

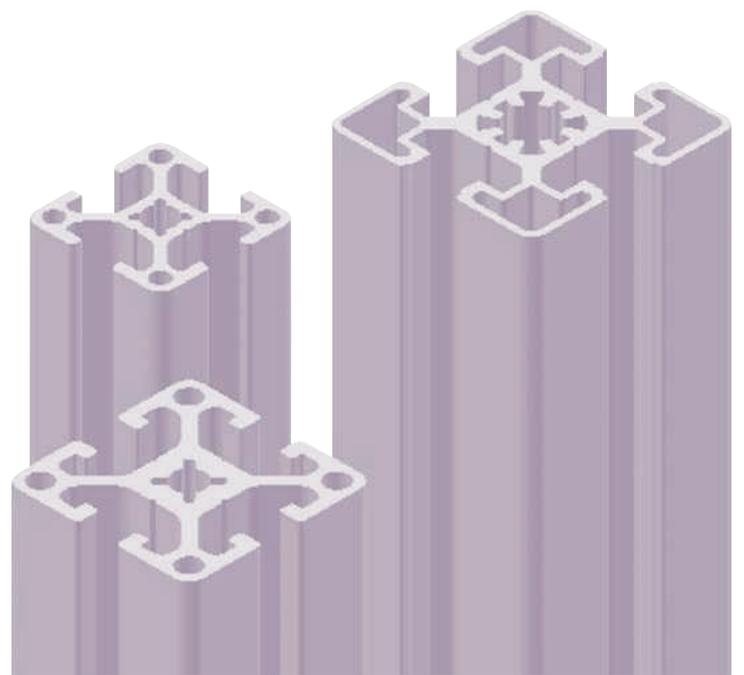


SYSTEM

KOMPATIBLE PROFILREIHEN

COMPATIBLE PROFILE RANGES
SÉRIES DE PROFILÉS COMPATIBLES

ALUPROFIL



INHALT
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DER WEG ZUM RICHTIGEN PROFIL...
FINDING THE RIGHT PROFILE...
POUR TROUVER LE BON PROFILE...



Profilreihe

Profile series · Série de profilés

16 / 20

30 / 40 / 45 / 50

Weiter mit Profilgröße
 Continue with profile dimension
 Dimension du profilé

Weiter mit Profilausführung
 Continue with profile designs
 Version du profilé

Profilausführung

Profile design · Version de profilé



Masse
 I_x / I_y
 W_x / W_y
 Berechnung

30

0,85 kg/m
 $2,86 \text{ cm}^4$
 $1,91 \text{ cm}^3$
 ■ 2.13

30-10K

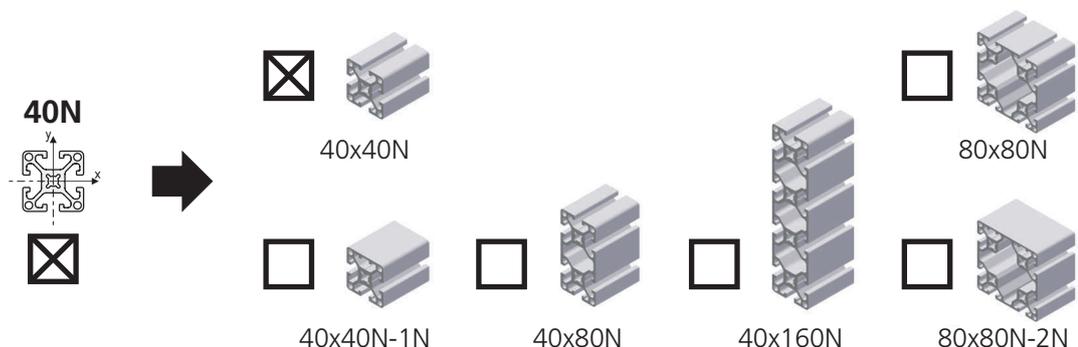
1,00 kg/m
 $3,22 \text{ cm}^4$
 $2,15 \text{ cm}^3$
 ■ 2.19

		40EL-1.4 	40L-1.55 	40-10K 	40N 	40MS 	40S
Masse		1,40 kg/m	1,55 kg/m	1,65 kg/m	1,75 kg/m	1,90 kg/m	2,45 kg/m
I_x / I_y		$6,77 \text{ cm}^4$	$8,69 \text{ cm}^4$	$9,75 \text{ cm}^4$	$9,66 \text{ cm}^4$	$10,52 \text{ cm}^4$	$14,18 \text{ cm}^4$
W_x / W_y		$3,39 \text{ cm}^3$	$4,34 \text{ cm}^3$	$4,87 \text{ cm}^3$	$4,83 \text{ cm}^3$	$5,26 \text{ cm}^3$	$7,09 \text{ cm}^3$
Berechnung		■ 2.23	■ 2.23	■ 2.39	■ 2.29	■ 2.43	■ 2.47

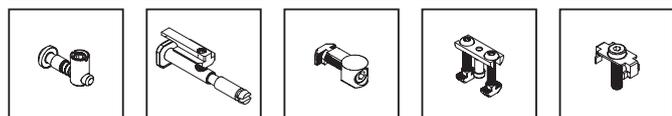
		45EL-1.5 	45L-1.7 	45N-2.0 	45MS-2.25 	45S
Masse		1,50 kg/m	1,70 kg/m	2,00 kg/m	2,25 kg/m	2,65 kg/m
I_x / I_y		$8,58 \text{ cm}^4$	$10,54 \text{ cm}^4$	$13,03 \text{ cm}^4$	$15,92 \text{ cm}^4$	$19,32 \text{ cm}^4$
W_x / W_y		$3,43 \text{ cm}^3$	$4,69 \text{ cm}^3$	$5,79 \text{ cm}^3$	$7,08 \text{ cm}^3$	$8,59 \text{ cm}^3$
Berechnung		■ 2.57	■ 2.57	■ 2.65	■ 2.65	■ 2.69

Profilgröße

Profil dimension · Taille de profilé



Weiter mit Verbinderauswahl
 Continue with connector selection
 Choix de la fixation



Technische Änderungen vorbehalten

...UND ZUM PASSENDEN VERBINDER
...AND THE RIGHT CONNECTOR
...ET POUR TROUVER LA FIXATION OPTIMALE



Verbinderauswahl

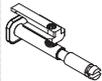
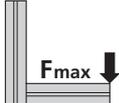
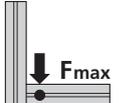
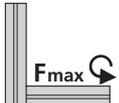
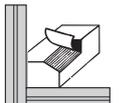
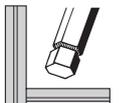
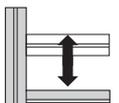
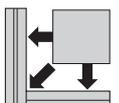
FM Systeme bietet Ihnen eine große Vielzahl von Verbindern mit unterschiedlichen Merkmalen und Eigenschaften. Mit Hilfe dieser Tabelle können Sie eine Vorauswahl treffen, ob der Verbinder die für Ihre Anwendung notwendigen Eigenschaften erfüllt.

Connector selection

FM Systems offers you a large selection of connectors with a variety of properties and characteristics. With the help of this table you can decide whether a connector fulfils the requirements for your application.

Choix de fixations

FM vous propose une gamme très diversifiée de fixations présentant des caractéristiques et spécificités variées. Ce tableau vous permet de vérifier quelles fixations correspondent aux exigences des applications souhaitées, et donc de réaliser une première sélection.

	 ➔ ■ 3.02	 ➔ ■ 3.04	 ➔ ■ 3.11	 ➔ ■ 3.06	 ➔ ■ 3.08	 ➔ ■ 3.10	 ➔ ■ 3.13	 ➔ ■ 3.05	 ➔ ■ 3.15	 ➔ ■ 3.16	
	 	   	   	  	  	 	   	   	  	 	
	+++	+++	+	+++	+++	++	-	++	+++	+++	
	+++	+++	+++	+++	+++	+++	+	+++	+++	+++	
	-	++	++	++	+++	++	++	++	-	+++	
	+	++	+	+	+++	+++	+++	+++	++	++	
	+++	++	+	++	+	+	+	++	+++	+++	
	+++	+++	++	++	++	+++	+	++	-	-	
	++	++	-	-	-	+	-	-	++	+++	
+++	empfohlen			+++	recommended			+++	conseillé		
++	geeignet			++	suitable			++	adapté		
+	funktionsfähig			+	functionable			+	fonctionnel		
-	ungeeignet			-	unsuitable			-	inadapté		

Technische Änderungen vorbehalten



BESCHREIBUNG DES SYSTEMS

DESCRIPTION OF THE SYSTEM

DESCRIPTION DU SYSTEME



• **Umfangreich**

Das FM-Profilsystem ist ein modularer Baukasten mit Grundelementen für den Bau von Rationalisierungs- und Automatisierungseinrichtungen sowie -anlagen. Mehr als 150 Standard-Strebenprofile bilden die Basis. Profile in Sonderausführung ergänzen das System.

• **Kompatibel**

Die Profile der Baureihe 20 mit Nut 5, der Baureihe 30/40/80 mit Nut 8 sowie die Baureihen 45/60/90 und 50/100 mit Nut 10 sind kompatibel zu den am Markt gängigen Ausführungen.

• **Wirtschaftlich**

Auf Grund der umfangreichen Anzahl an Aluprofilen kann entsprechend der technischen Aufgabenstellung das jeweils wirtschaftlichste Profil gewählt werden.

• **Flexibel**

Ein flexibles, wirtschaftliches und modulares Verbindersystem gewährleistet den Zusammenbau aller vorhandenen Profile. Besonderheit: einige Verbinder ermöglichen die Kombination unterschiedlicher Profilgrößen sowie Nuttypen.

• **Vielfältig**

Mit den standardisierten und modular aufgebauten Elementen ist es möglich, nahezu allen konstruktiven Herausforderungen gerecht zu werden.

• **Hochwertig**

Die stabilen Profilquerschnitte, die kräftige Nutausführung, die hohe Eloxlstärke sowie die stabile und montagefreundliche Verbindertechnik garantieren eine hohe Qualität.

• **Wiederverwendbar**

Die hohe Qualität sowie die Beständigkeit ermöglichen die Wiederverwendbarkeit der Elemente. Die flexiblen Baukästen garantieren einen stetigen Weiterbau und eine jederzeitige Anpassung der Einrichtungen an geänderte Aufgabenstellungen.

• **Comprehensive modular system**

The FM profile system is a modular concept of basic elements for the construction of rationalisation and automatic systems and equipment.

• **Profile series 20 / 30 / 40 / 80 / 45 / 60 / 90 / 180 / 50 / 100**

The profiles of the 20 series with groove widths of 5 mm, the 30/40/80 series with a groove width of 8 mm and the 45/60/90 and 50/100 series with groove width of 10 mm, offer an extremely economical choice according to individual requirements.

• **Universal connector system**

Flexible, economical and modular connector system guaranteeing the assembly of all profiles in the system. Many connectors can be used fully in both groove types.

• **Numerous possibilities for use**

The diversity of the standardised and modular design elements allows virtually unlimited possibilities for construction applications.

• **High quality**

Sturdy profiles, strong grooves, high anodising strength and a sturdy, easy to assemble connector system offer a high quality of installations.

• **Flexible application and reusability**

This level of quality and resistance ensures longevity, reusability and flexibility of our elements. The modular concept guarantees consistent extension and modification of installations at all times to changes in requirements and situations.

• **Un gamme importante de produits**

Avec plus de 150 profils standard complétés par des profils spéciaux, le système FM offre une grande modularité permettant la construction de systèmes de rationalisation et d'automation performants.

• **Compatibilité**

Les profils de la série 20 rainure 5, de la série 30/40/80 rainure 8 ainsi que les séries 45/60/90 et 50/100 rainure 10 sont compatibles avec la plupart des profils sur le marché. Ils répondent aux impératifs techniques les plus pointus.

• **Un gamme particulière étendue**

La large gamme de profils aluminium permet de trouver la solution la plus adaptée à vos besoins techniques et économiques.

• **Système de raccordement universel**

Un système de raccordement flexible, économique et modulaire permet une variété presque infinie de constructions. De nombreuses fixations s'adaptent aux deux types de rainures.

• **Nombreuses possibilités d'utilisation**

La diversité des éléments standardisés et de conception modulaire permet une variété presque infinie de constructions.

• **Haute qualité**

La haute qualité repose sur une conception alliant les atouts suivants : sections particulièrement stables, notamment au niveau des rainures, Anodisation haut de gamme, technique d'assemblage solide, rationnelle et conviviale.

• **Flexibilité d'utilisation et récupérabilité**

La grande qualité et la robustesse de nos éléments est le garant de leur longévité. La conception modulaire offre la possibilité d'assembler ces éléments sur des structures déjà existantes, et de permettre de nouvelles adaptations en fonction de l'évolution des impératifs de construction.

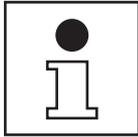
PROFIL-ÜBERSICHT

OVERVIEW OF PROFILES

PANORAMA DES PROFILES

<p>■ 2.02</p>	<p>■ 2.03</p>	<p>■ 2.07</p>	<p>■ 2.11</p>
<p>■ 2.17</p>	<p>■ 2.21</p>		<p>■ 2.29</p>
<p>■ 2.39</p>		<p>■ 2.43</p>	
<p>■ 2.47</p>		<p>■ 2.55</p>	
<p>■ 2.63</p>	<p>■ 2.67</p>	<p>■ 2.73</p>	<p>■ 2.77</p>
<p>■ 2.81</p>			

Technische Änderungen vorbehalten



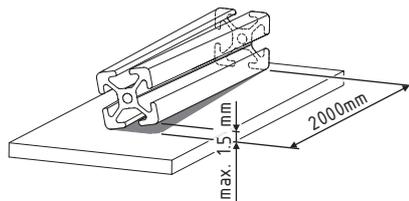
TECHNISCHE DATEN

TECHNICAL DATA

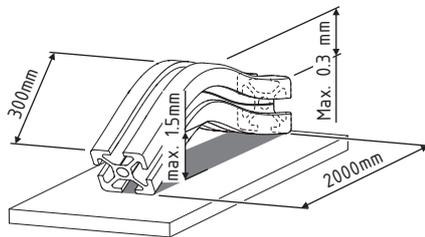
DONNEES TECHNIQUES



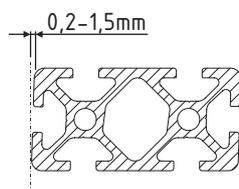
• Strangpressprofile nach DIN EN 12020 (Ersatz für DIN 17615)		• Extruded profiles in compliance with DIN EN 12020 (Replacement for DIN 17615)		• Profilés extrudés selon DIN EN 12020 (remplace la norme DIN 17615)	
Werkstoff	Al Mg Si 0,5 F25	Material:	Al Mg Si 0,5 F25	Matière	Al Mg Si 0,5 F25
Werkstoff-Nr.	3.3206.72 (warmausgehärtet)	Material no.:	3.3206.72 (furnace aged)	No. matière	3.3206.72 (thermodurci)
• Lieferlänge (falls nicht anders angegeben) 6040 mm Funktionslänge (falls nicht anders angegeben) 6000 mm		• Supplied length (unless otherwise specified) 6040 mm Functional length (unless otherwise specified) 6000 mm		• Longueur livrée (sauf spécification contraire) 6040 mm Longueur fonctionnelle (sauf spécification contraire) 6000 mm	
• Mechanische Daten (in Pressrichtung)		• Mechanical data (in pressing direction)		• Caractéristiques mécaniques (sens d'extrusion)	
Zugfestigkeit		Tensile strength		Résistance à la traction	
R _m min.	250 N/mm ²	R _m min.	250 N/mm ²	R _m min.	250 N/mm ²
Streckgrenze		Yield strength		Limite d'élasticité	
R _{p0,2} min.	200 N/mm ²	R _{p0,2} min.	200 N/mm ²	R _{p0,2} min.	200 N/mm ²
Bruchdehnung		Ductile yield		Allongement à la rupture	
A 5 min.	10 %	A 5 min.	10 %	A 5 min.	10 %
Bruchdehnung		Ductile yield		Allongement à la rupture	
A10 min.	8 %	A10 min.	8 %	A10 min.	8 %
E-Modul		E-module		Coefficient d'élasticité	
ca.	70 000 N/mm ²	approx.	70 000 N/mm ²	env.	70 000 N/mm ²
Härte nach Brinell ca.	75 HB	Brinell hardness approx.	75 HB	Dureté selon Brinell env.	75 HB
Längenausdehnungskoeffizient (bei 20-100°C)	23,6 x 10 ⁻⁶ 1/K	Linear expansion coefficient (at 20-100°C)	23,6 x 10 ⁻⁶ 1/K	Coefficient de dilatation thermique Linéaire (de 20-100°C)	23,6 x 10 ⁻⁶ 1/K
• Oberfläche Mattgebeizt E6 / Ev1 Eloxal-Schichtdicke ca. 15 µm Eloxal-Schichthärte ca. 270-320 HV		• Surface Dead-dipped E6 / Ev1 Anodizing layer thickness approx. 15µm Anodizing layer strength approx. 270-320 HV		• Surface Décapé au mat E6 / Ev1 Epaisseur couche anodisation env. 15 µm Dureté anodisation env. 270-320 HV	



Verwindungstoleranz in Profillängsrichtung
 Longitudinal torsional tolerance of profile
 Tolérance de torsion dans le sens de la longueur du profilé



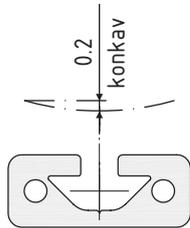
Geradheitstoleranz in Profillängsrichtung
 Longitudinal straightness tolerance of profile
 Tolérance rectiligne dans le sens de la longueur du profilé



Winkeltoleranz (Neigungstoleranz)
 Angle tolerance (inclination tolerance)
 Tolérance angulaire (tolérance inclinaison)



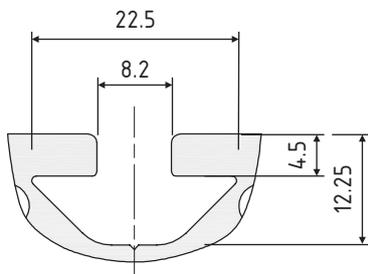
Konkavität



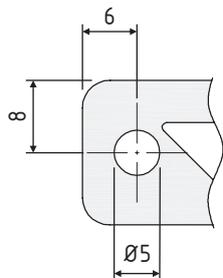
16x40S	16x80S	16x120S	16x160
■ 2.05	■ 2.05	■ 2.05	■ 2.06

2

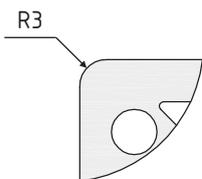
Nut



Kernloch



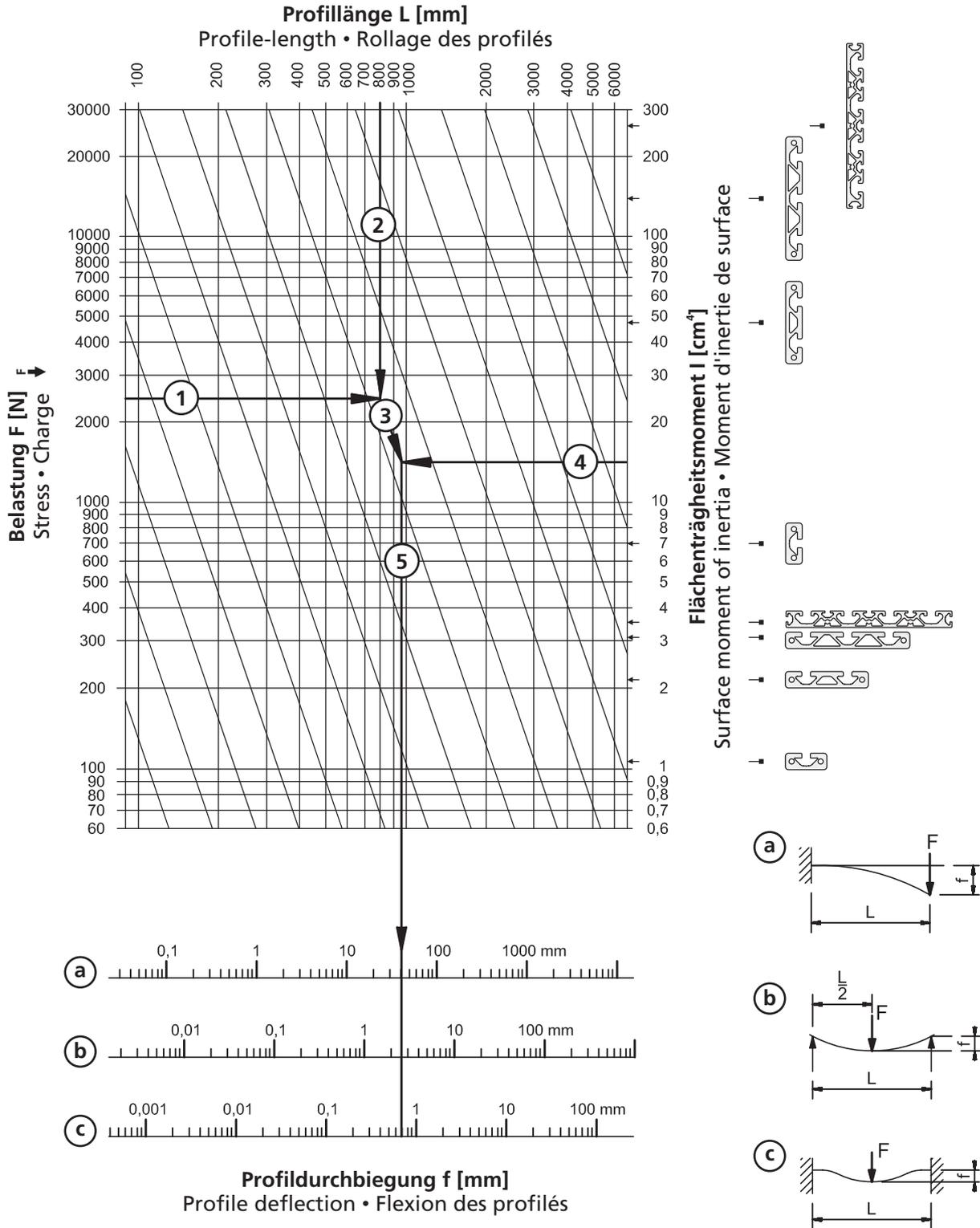
Außenkante



Technische Änderungen vorbehalten



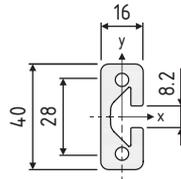
Durchbiegung der Profile
Profile deflection
Flexion des profilés



Technische Änderungen vorbehalten



16x40 S

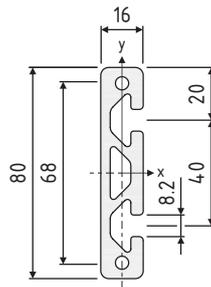


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M = 1,16 kg/m
 $I_x = 7,12 \text{ cm}^4$
 $W_x = 3,56 \text{ cm}^3$
 $I_y = 1,13 \text{ cm}^4$
 $W_y = 1,41 \text{ cm}^3$
 PE (m)
 6 / 60 / 120



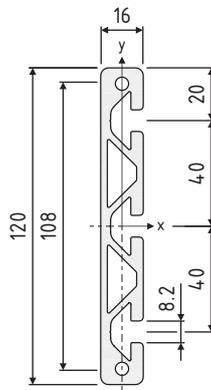
16x80 S



05.01813.00

M = 2,16 kg/m
 $I_x = 49,02 \text{ cm}^4$
 $W_x = 12,25 \text{ cm}^3$
 $I_y = 2,24 \text{ cm}^4$
 $W_y = 2,80 \text{ cm}^3$
 PE (m)
 6 / 60 / 120

16x120 S



05.01806.00

M = 2,82 kg/m
 $I_x = 149,32 \text{ cm}^4$
 $W_x = 24,89 \text{ cm}^3$
 $I_y = 3,13 \text{ cm}^4$
 $W_y = 3,91 \text{ cm}^3$
 PE (m)
 6 / 60 / 120



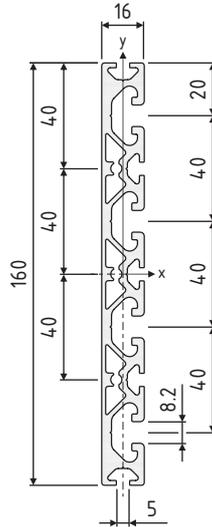
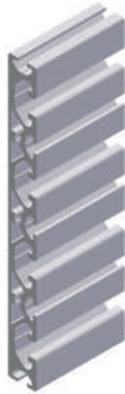
ALU-PROFILE

PROFILES

PROFILES



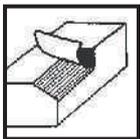
16x160 S



05.01805.00

M = 3,14 kg/m
 $I_x = 270,99 \text{ cm}^4$
 $W_x = 33,87 \text{ cm}^3$
 $I_y = 3,54 \text{ cm}^4$
 $W_y = 4,43 \text{ cm}^3$

PE (m)
 6 / 60 / 120



PROFILBEARBEITUNG

PROFILE FINISHING

USINAGE DE PROFILES

↓

16x40

↓ ↓

16x80

↓ ↓ ↓

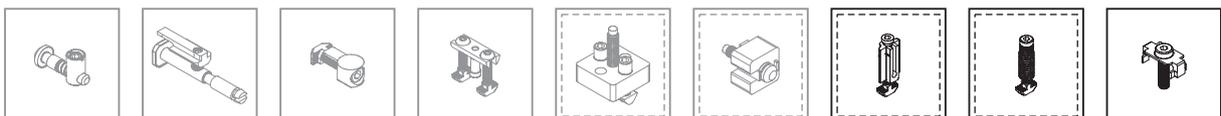
16x120

↓ ↓ ↓ ↓

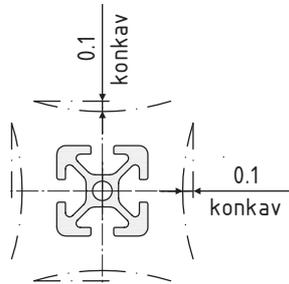
16x160

		05.xxxxx.09		
VSI 7		05.xxxxx.15 ■ 3.17	VSA 14	
VSI 7		05.xxxxx.16	VSA 14	
			VSA 14	05.xxxxx.45 ■ 3.16
			VSA 14	05.xxxxx.46

Technische Änderungen vorbehalten

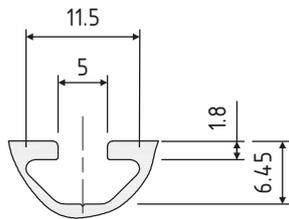


Konkavität

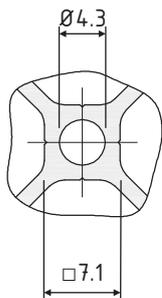


20x20	20x40	40x40
■ 2.09	■ 2.09	■ 2.09

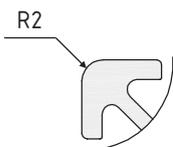
Nut



Kernloch

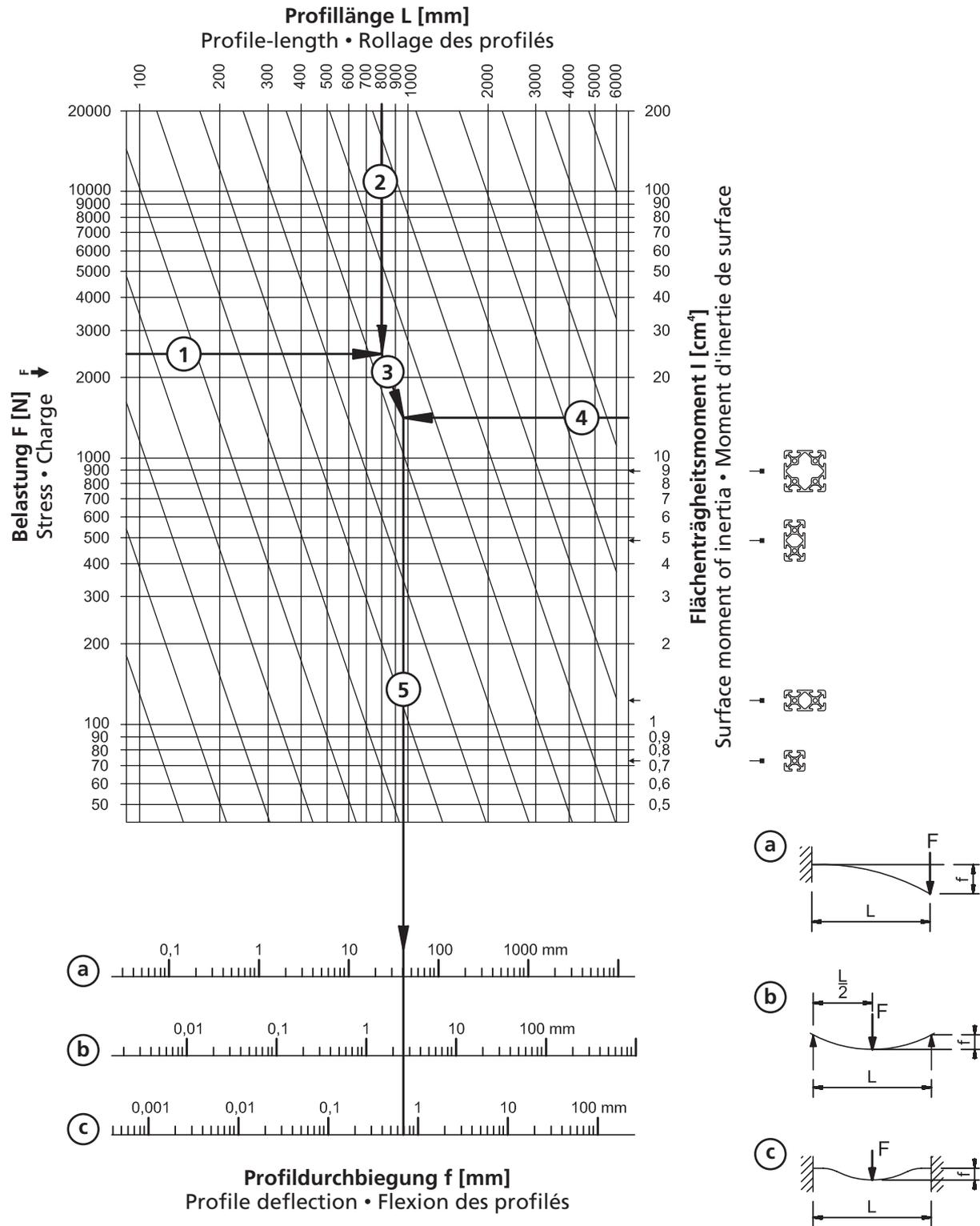


Außenkante





Durchbiegung der Profile
Profile deflection
Flexion des profilés

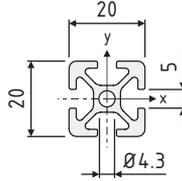


Technische Änderungen vorbehalten

ALU-PROFILE
PROFILES
PROFILES



20x20

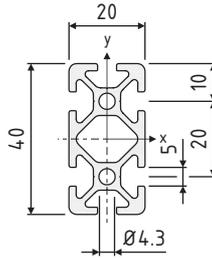


05.01605.00

M = 0,48 kg/m
 $I_x = 0,75 \text{ cm}^4$
 $W_x = 0,75 \text{ cm}^3$
 $I_y = 0,75 \text{ cm}^4$
 $W_y = 0,75 \text{ cm}^3$
 PE (m)
 6 / 96 / 192



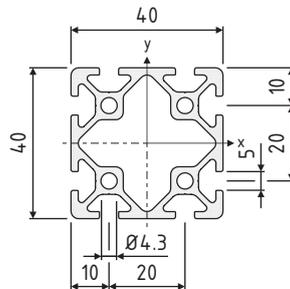
20x40



05.01606.00

M = 0,86 kg/m
 $I_x = 5,08 \text{ cm}^4$
 $W_x = 2,54 \text{ cm}^3$
 $I_y = 1,40 \text{ cm}^4$
 $W_y = 1,40 \text{ cm}^3$
 PE (m)
 6 / 96 / 192

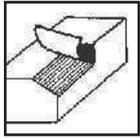
40x40



05.01607.00

M = 1,35 kg/m
 $I_x = 9,11 \text{ cm}^4$
 $W_x = 4,55 \text{ cm}^3$
 $I_y = 9,11 \text{ cm}^4$
 $W_y = 4,55 \text{ cm}^3$
 PE (m)
 6 / 48 / 96

Technische Änderungen vorbehalten



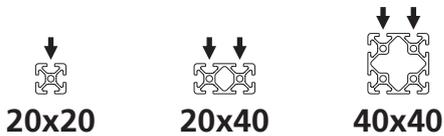
PROFILBEARBEITUNG

PROFILE FINISHING

USINAGE DE PROFILES



		05.xxxxx.09
M5x20		05.xxxxx.10
M5x20		05.xxxxx.11

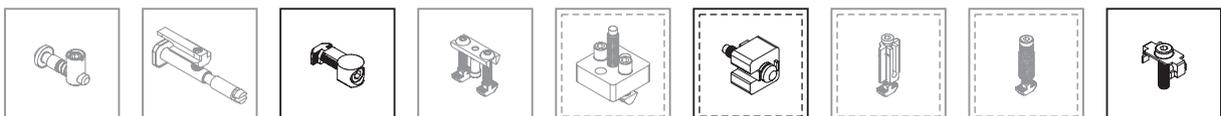


VSI 4.3		05.xxxxx.15 ■ 3.17	VSA 10		05.xxxxx.45 ■ 3.16
VSI 4.3		05.xxxxx.16	VSA 10		05.xxxxx.46
UNI		05.xxxxx.40 ■ 3.11			
UNI		05.xxxxx.41			



UNI		05.xxxxx.43 ■ 3.11
UNI		05.xxxxx.44

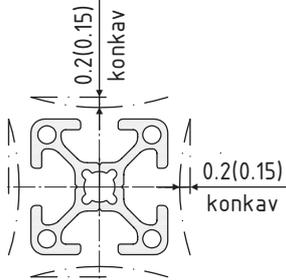
Technische Änderungen vorbehalten



ALU-PROFILE PROFILES PROFILES



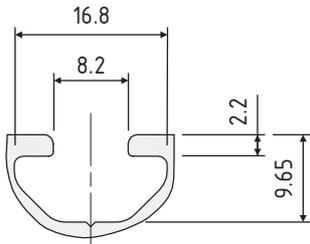
Konkavität



30x30	30x30-1N	30x30-2N90	30x30-R
■ 2.13	■ 2.13	■ 2.13	■ 2.13

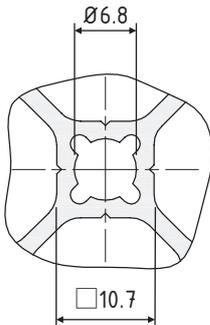
30x45	30x60		
■ 2.13	■ 2.14		

Nut

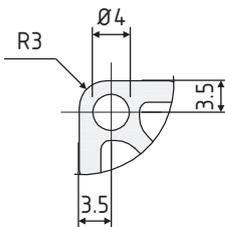


30x30KL	30x30KL-180°
➔ ■ 2.15	➔ ■ 2.15

Kernloch



Außenkante

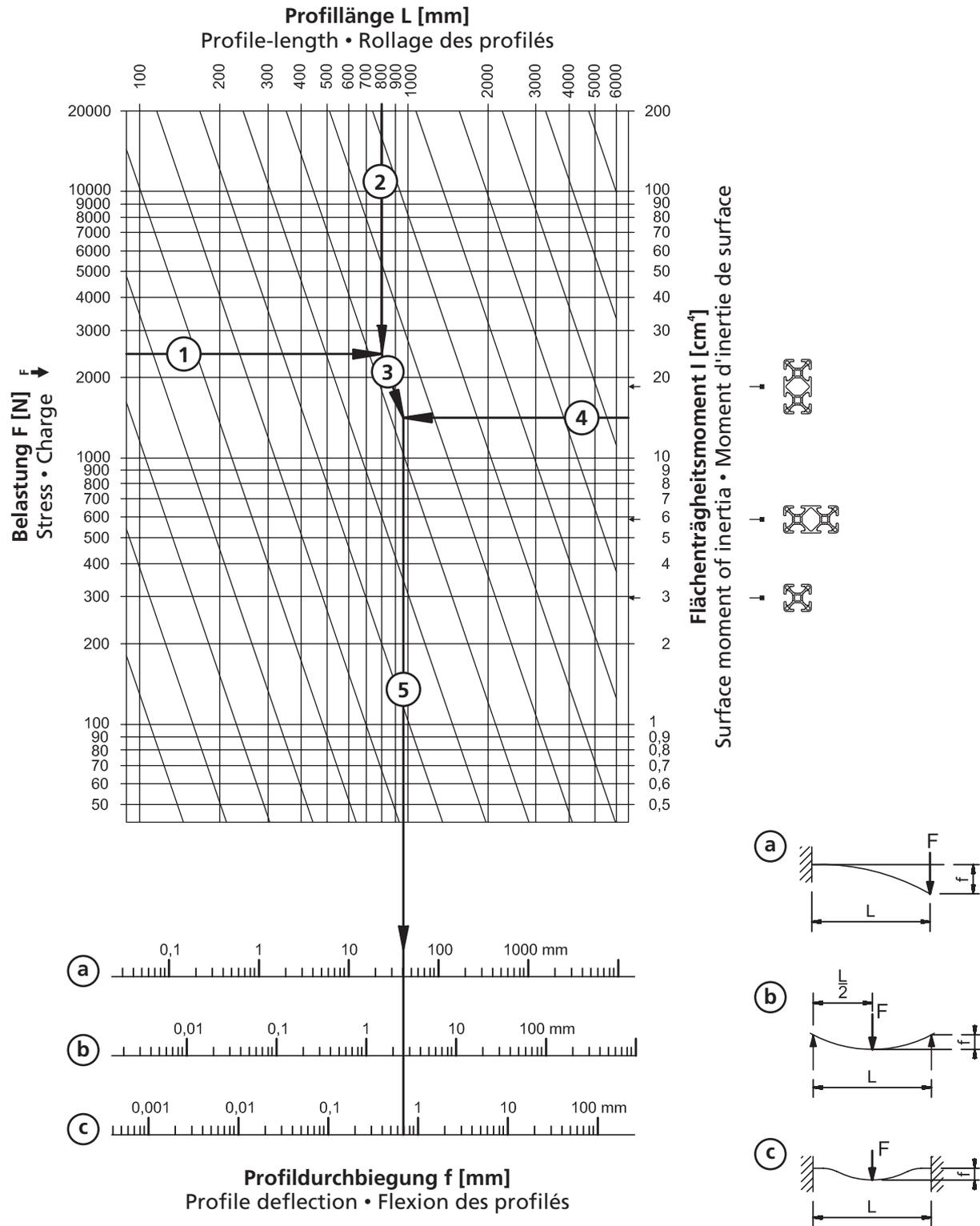


2

Technische Änderungen vorbehalten



Durchbiegung der Profile
Profile deflection
Flexion des profilés

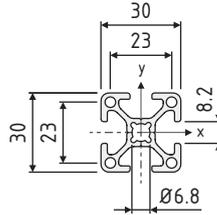
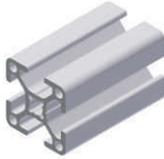


Technische Änderungen vorbehalten

ALU-PROFILE
PROFILES
PROFILES



30x30

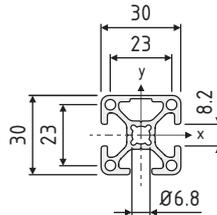
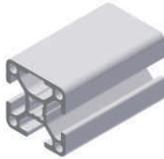


05.01025.00

M = 0,83 kg/m
I_x = 2,86 cm⁴
W_x = 1,91 cm³
I_y = 2,86 cm⁴
W_y = 1,91 cm³

PE (m)
6 / 72 / 144

30x30 -1N

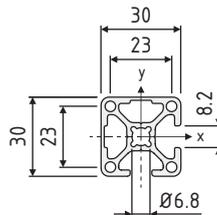
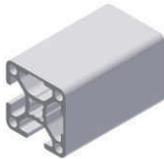


05.01915.00

M = 0,86 kg/m
I_x = 3,08 cm⁴
W_x = 2,05 cm³
I_y = 2,87 cm⁴
W_y = 1,91 cm³

PE (m)
6 / 72 / 144

30x30 -2N90

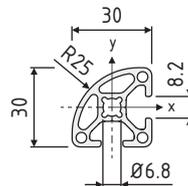


05.01916.00

M = 0,88 kg/m
I_x = 3,08 cm⁴
W_x = 2,06 cm³
I_y = 3,08 cm⁴
W_y = 2,06 cm³

PE (m)
6 / 72 / 144

30x30 -R

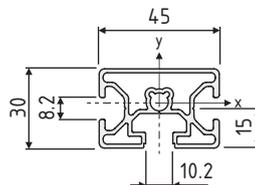
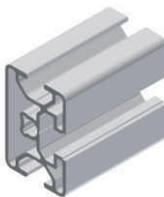


05.01925.00

M = 0,82 kg/m
I_x = 2,50 cm⁴
W_x = 1,67 cm³
I_y = 2,50 cm⁴
W_y = 1,67 cm³

PE (m)
6 / 72 / 144

30x45



05.01923.00

M = 1,05 kg/m
I_x = 7,97 cm⁴
W_x = 3,54 cm³
I_y = 3,75 cm⁴
W_y = 2,51 cm³

PE (m)
6 / 24 / 48 / 72

2



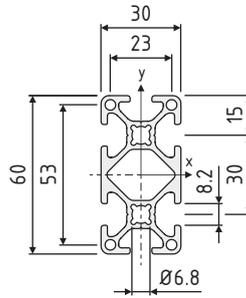
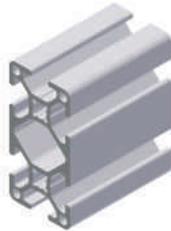
ALU-PROFILE

PROFILES

PROFILES



30x60



05.01924.00

- M = 1,56 kg/m
- $I_x = 19,57 \text{ cm}^4$
- $W_x = 6,52 \text{ cm}^3$
- $I_y = 5,84 \text{ cm}^4$
- $W_y = 3,89 \text{ cm}^3$

PE (m)
6 / 36 / 72 / 108

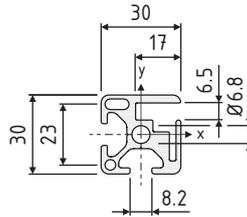
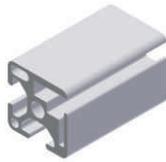
KLEMMPROFILE

CLAMPING PROFILES

PROFILE DE SERRAGE KL



30x30 KL

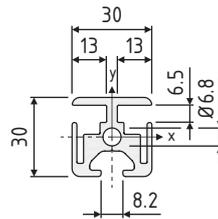
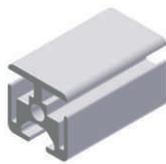


05.01919.00

M = 1,05 kg/m
 $I_x = 3,43 \text{ cm}^4$
 $W_x = 2,29 \text{ cm}^3$
 $I_y = 3,14 \text{ cm}^4$
 $W_y = 2,09 \text{ cm}^3$

PE (m)
 6 / 72 / 144

30x30 KL-180°



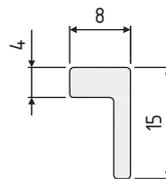
05.01921.00

M = 1,16 kg/m
 $I_x = 3,64 \text{ cm}^4$
 $W_x = 2,43 \text{ cm}^3$
 $I_y = 3,46 \text{ cm}^4$
 $W_y = 2,31 \text{ cm}^3$

PE (m)
 6 / 72 / 144

Klemmleiste

Clamping strips · Baguette

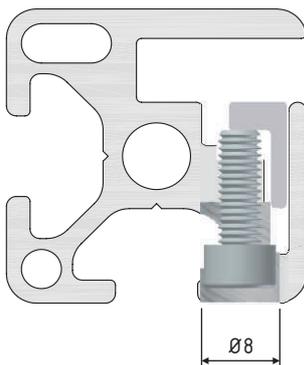


05.01922.00

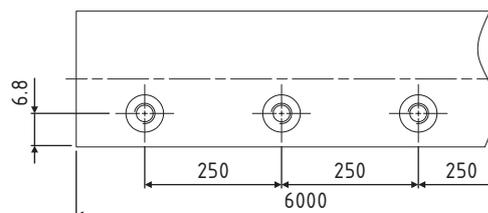
PE (m)
 6



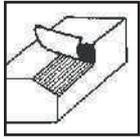
99.00066.00



M4x12, DIN 7984
 Bitte separat bestellen
 Please order separately
 Commander séparément



Bohrungen bereits im Profil vorhanden
 Holes already provided in profiles
 Profilés déjà usinés



PROFILBEARBEITUNG

PROFILE FINISHING

USINAGE DE PROFILES



1x
30x30

2x
30x60

		05.xxxxx.09
M8x30		05.xxxxx.10
M8x30		05.xxxxx.11

↓
30x30

↓ ↓
30x60

VSI 7		05.xxxxx.15	■ 3.17
VSI 7		05.xxxxx.16	
BV11		05.xxxxx.25	■ 3.06
BV11		05.xxxxx.26	
GV10.5		05.xxxxx.30	■ 3.02
GV10.5		05.xxxxx.31	

UNI		05.xxxxx.40	■ 3.11
UNI		05.xxxxx.41	
VSA 14		05.xxxxx.45	■ 3.16
VSA 14		05.xxxxx.46	

←
30x60

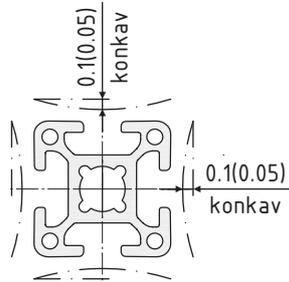
BV11V		05.xxxxx.85	■ 3.06
BV11V		05.xxxxx.86	

UNI		05.xxxxx.43	■ 3.11
UNI		05.xxxxx.44	

Technische Änderungen vorbehalten



Konkavität

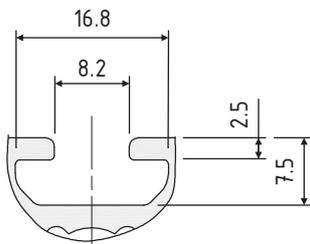


30x30-10K

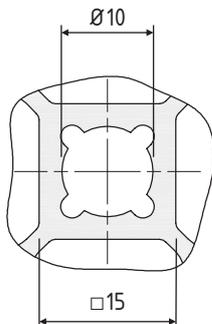
30x60-10K



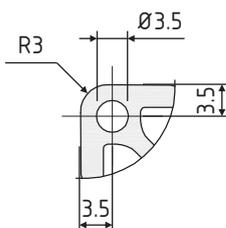
Nut



Kernloch

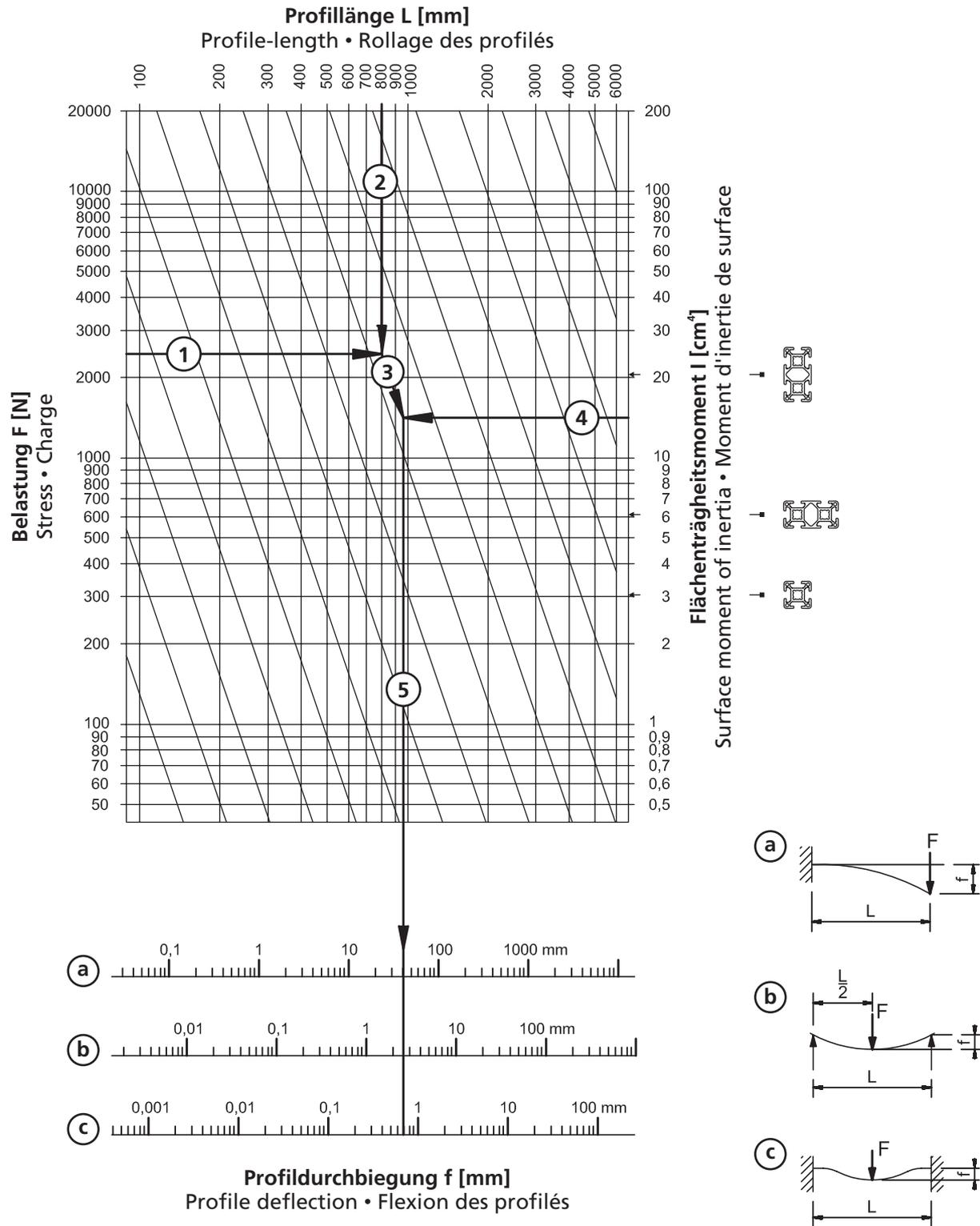


Außenkante





Durchbiegung der Profile
Profile deflection
Flexion des profilés

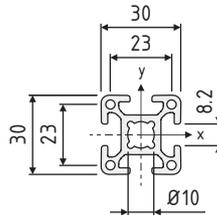


Technische Änderungen vorbehalten

ALU-PROFILE
PROFILES
PROFILES



30x30 -10K

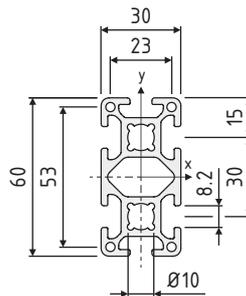
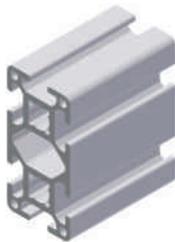


05.01926.00

M = 0,98 kg/m
 $I_x = 3,22 \text{ cm}^4$
 $W_x = 2,15 \text{ cm}^3$
 $I_y = 3,22 \text{ cm}^4$
 $W_y = 2,15 \text{ cm}^3$
 PE (m)
 6 / 72 / 144

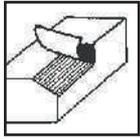


30x60 -10K



05.01927.00

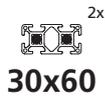
M = 1,83 kg/m
 $I_x = 22,79 \text{ cm}^4$
 $W_x = 7,60 \text{ cm}^3$
 $I_y = 6,41 \text{ cm}^4$
 $W_y = 4,28 \text{ cm}^3$
 PE (m)
 6 / 36 / 72 / 108



PROFILBEARBEITUNG

PROFILE FINISHING

USINAGE DE PROFILES



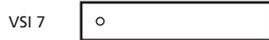
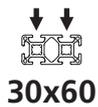
05.xxxxx.09



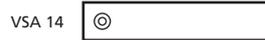
05.xxxxx.10



05.xxxxx.11



05.xxxxx.15 ■ 3.17



05.xxxxx.45 ■ 3.16



VSI 7 05.xxxxx.16



05.xxxxx.46



05.xxxxx.25 ■ 3.06



BV11 05.xxxxx.26



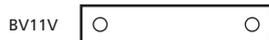
05.xxxxx.35 ■ 3.04



05.xxxxx.36

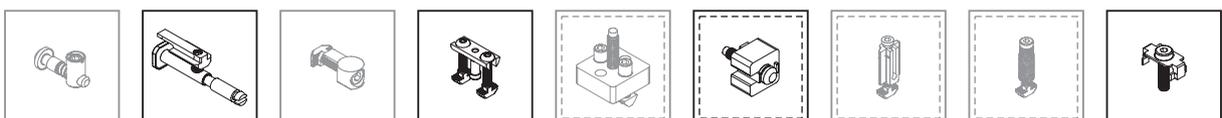


05.xxxxx.85 ■ 3.06



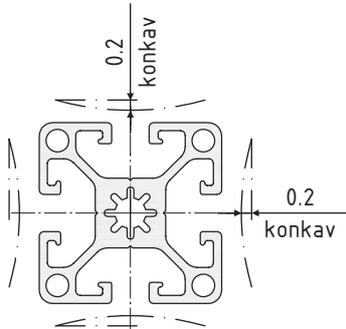
BV11V 05.xxxxx.86

Technische Änderungen vorbehalten





Konkavität

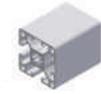


40x40EL-1.4

40x40L-1.55

40x40L-1N

40x40L-2N90



■ 2.23

■ 2.23

■ 2.23

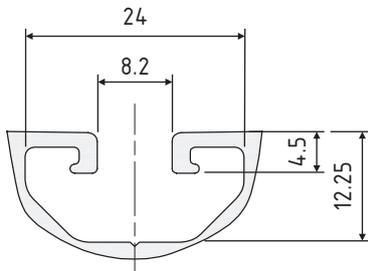
■ 2.23

40x40L-2N180



■ 2.23

Nut



40x80L-2.45

40x80L-2.65

40x80L-2N

40x80L-3N



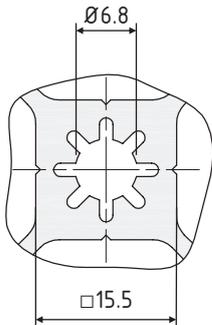
■ 2.24

■ 2.24

■ 2.24

■ 2.25

Kernloch



40x120L

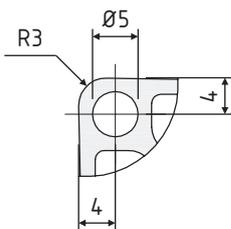
80x80L



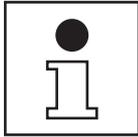
■ 2.25

■ 2.26

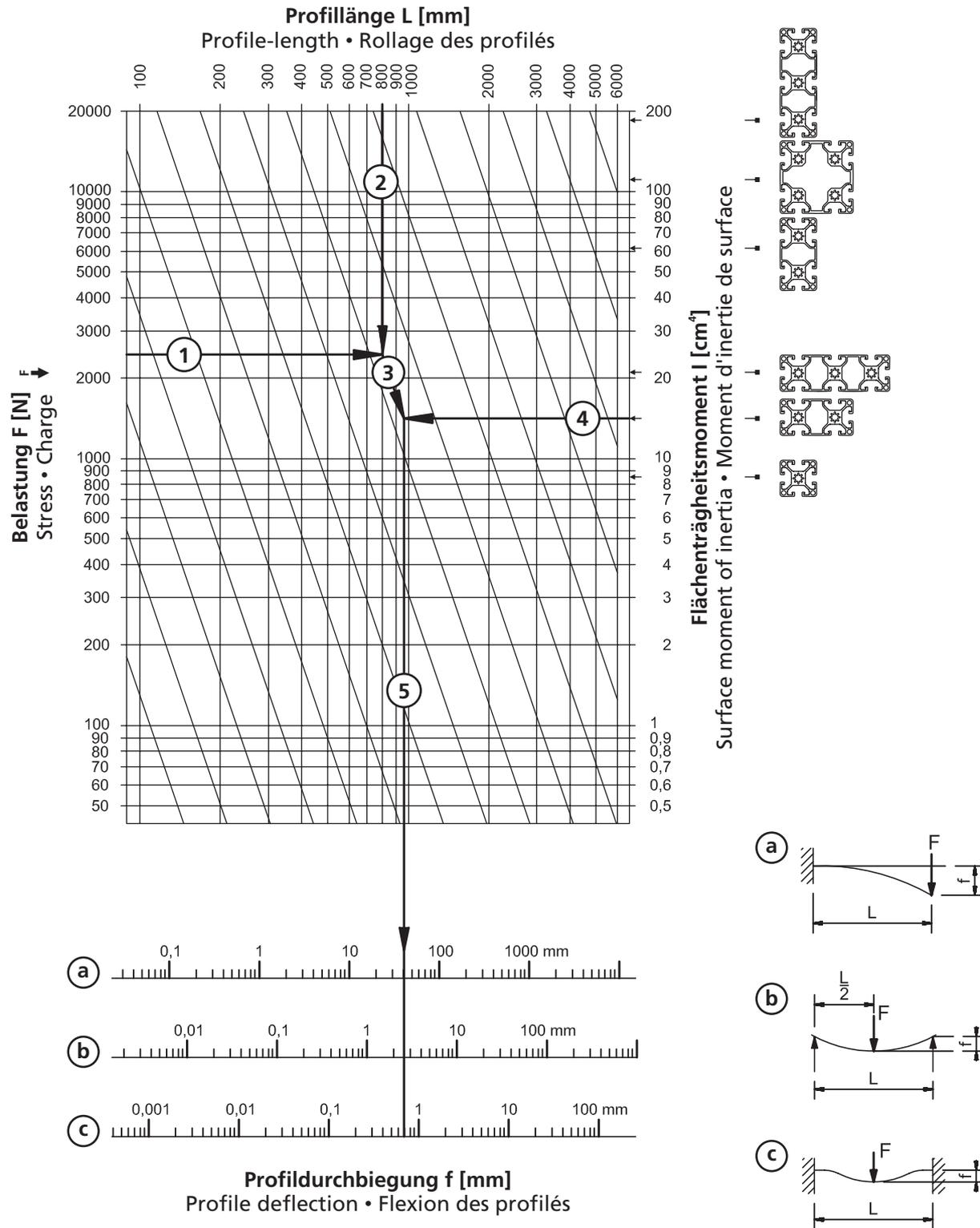
Außenkante



Technische Änderungen vorbehalten



Durchbiegung der Profile
Profile deflection
Flexion des profilés

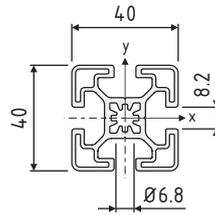
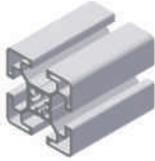


Technische Änderungen vorbehalten

ALU-PROFILE PROFILES PROFILES



40x40 EL-1.4

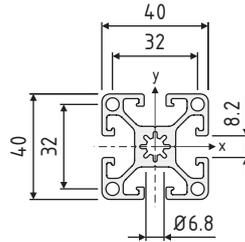


05.01513.00

M = 1,40 kg/m
 $I_x = 7,48 \text{ cm}^4$
 $W_x = 3,74 \text{ cm}^3$
 $I_y = 7,48 \text{ cm}^4$
 $W_y = 3,74 \text{ cm}^3$

PE (m)
 6 / 48 / 96 / 144

40x40 L-1.55

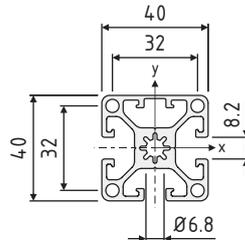


05.01035.00

M = 1,55 kg/m
 $I_x = 8,69 \text{ cm}^4$
 $W_x = 4,34 \text{ cm}^3$
 $I_y = 8,69 \text{ cm}^4$
 $W_y = 4,34 \text{ cm}^3$

PE (m)
 6 / 48 / 96 / 144

40x40 L-1N

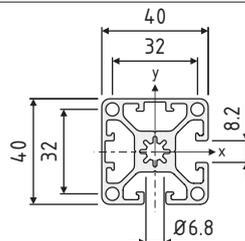


05.01130.00

M = 1,56 kg/m
 $I_x = 9,08 \text{ cm}^4$
 $W_x = 4,54 \text{ cm}^3$
 $I_y = 8,69 \text{ cm}^4$
 $W_y = 4,34 \text{ cm}^3$

PE (m)
 6 / 48 / 96 / 144

40x40 L-2N90

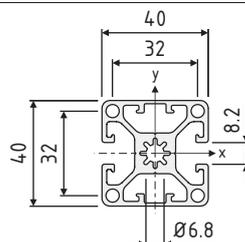


05.01131.00

M = 1,59 kg/m
 $I_x = 9,08 \text{ cm}^4$
 $W_x = 4,54 \text{ cm}^3$
 $I_y = 9,08 \text{ cm}^4$
 $W_y = 4,54 \text{ cm}^3$

PE (m)
 6 / 48 / 96 / 144

40x40 L-2N180



05.01132.00

M = 1,55 kg/m
 $I_x = 9,47 \text{ cm}^4$
 $W_x = 4,73 \text{ cm}^3$
 $I_y = 8,70 \text{ cm}^4$
 $W_y = 4,35 \text{ cm}^3$

PE (m)
 6 / 48 / 96 / 144

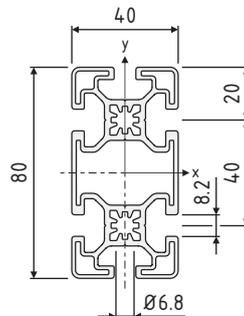
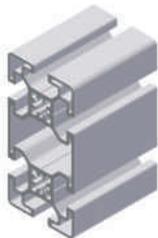
2



ALU-PROFILE
PROFILES
PROFILES



40x80 EL-2.45

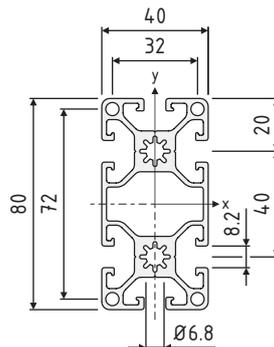
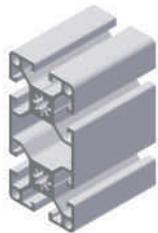


05.01514.00

M = 2,45 kg/m
 $I_x = 55,70 \text{ cm}^4$
 $W_x = 13,93 \text{ cm}^3$
 $I_y = 14,57 \text{ cm}^4$
 $W_y = 7,29 \text{ cm}^3$

PE (m)
 6 / 24 / 48 / 72

40x80 L-2.65

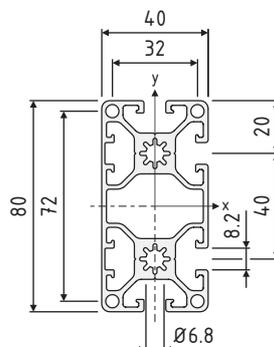
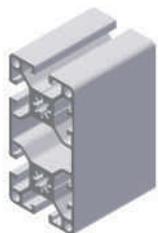


05.01036.00

M = 2,65 kg/m
 $I_x = 62,74 \text{ cm}^4$
 $W_x = 15,68 \text{ cm}^3$
 $I_y = 15,45 \text{ cm}^4$
 $W_y = 7,72 \text{ cm}^3$

PE (m)
 6 / 24 / 48 / 72

40x80 L-2N



05.01037.00

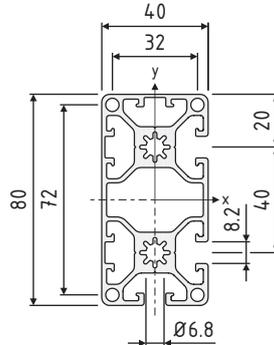
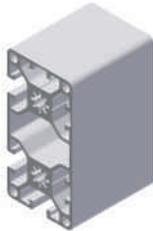
M = 2,69 kg/m
 $I_x = 63,58 \text{ cm}^4$
 $W_x = 15,89 \text{ cm}^3$
 $I_y = 16,23 \text{ cm}^4$
 $W_y = 8,11 \text{ cm}^3$

PE (m)
 6 / 24 / 48 / 72

ALU-PROFILE
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40x80 L-3N



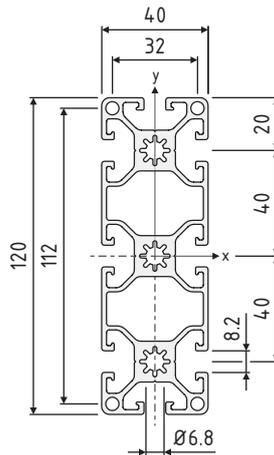
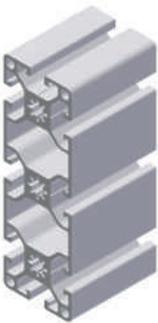
05.01038.00

M = 2,72 kg/m
 $I_x = 65,18 \text{ cm}^4$
 $W_x = 16,29 \text{ cm}^3$
 $I_y = 16,22 \text{ cm}^4$
 $W_y = 8,11 \text{ cm}^3$

PE (m)
 6 / 24 / 48 / 72



40x120 L

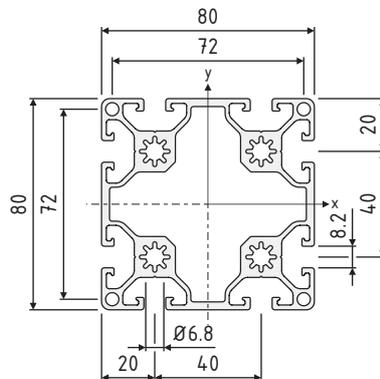
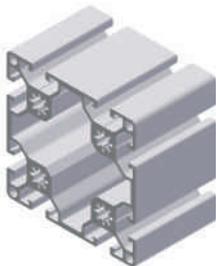


05.01046.00

M = 3,73 kg/m
 $I_x = 194,83 \text{ cm}^4$
 $W_x = 32,47 \text{ cm}^3$
 $I_y = 22,21 \text{ cm}^4$
 $W_y = 11,10 \text{ cm}^3$

PE (m)
 6 / 24 / 48 / 72

80x80 L-4.3

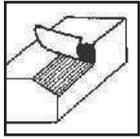


05.01039.00

M = 4,30 kg/m
 $I_x = 112,00 \text{ cm}^4$
 $W_x = 28,00 \text{ cm}^3$
 $I_y = 112,00 \text{ cm}^4$
 $W_y = 28,00 \text{ cm}^3$

PE (m)
 6 / 24 / 48 / 72

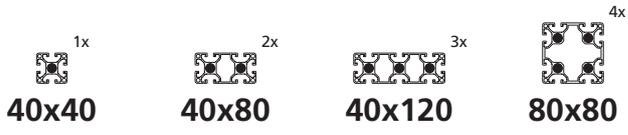
Technische Änderungen vorbehalten



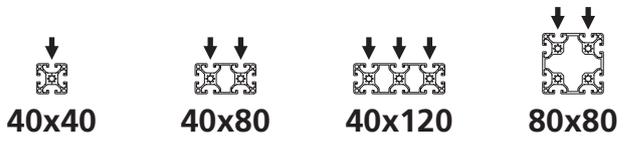
PROFILBEARBEITUNG

PROFILE FINISHING

USINAGE DE PROFILES



		05.xxxxx.09			
M8x40		05.xxxxx.10		M12x60	
M8x40		05.xxxxx.11		M12x60	

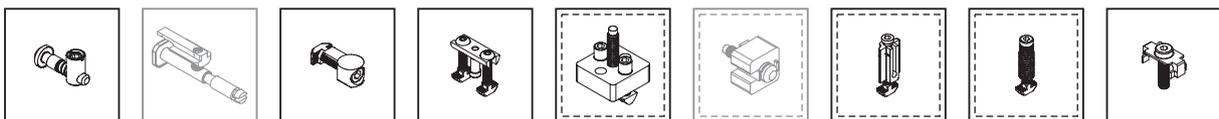


VSI 7		05.xxxxx.15	■ 3.17	UNI		05.xxxxx.40	■ 3.11
VSI 7		05.xxxxx.16		UNI		05.xxxxx.41	
BV14		05.xxxxx.25	■ 3.06	VSA 14		05.xxxxx.45	■ 3.16
BV14		05.xxxxx.26		VSA 14		05.xxxxx.46	
GV14		05.xxxxx.30	■ 3.02				
GV14		05.xxxxx.31					

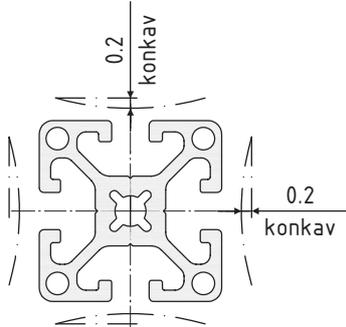


BV14V		05.xxxxx.85	■ 3.06	UNI		05.xxxxx.43	■ 3.11
BV14V		05.xxxxx.86		UNI		05.xxxxx.44	

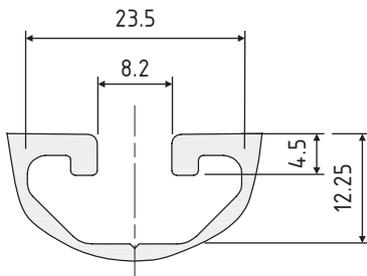
Technische Änderungen vorbehalten



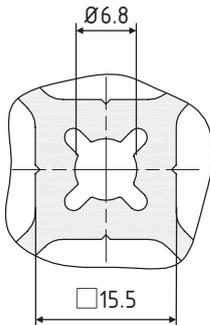
Konkavität



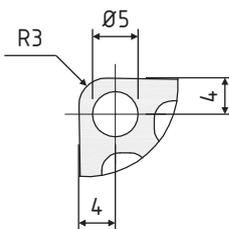
Nut



Kernloch

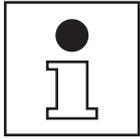


Außenkante

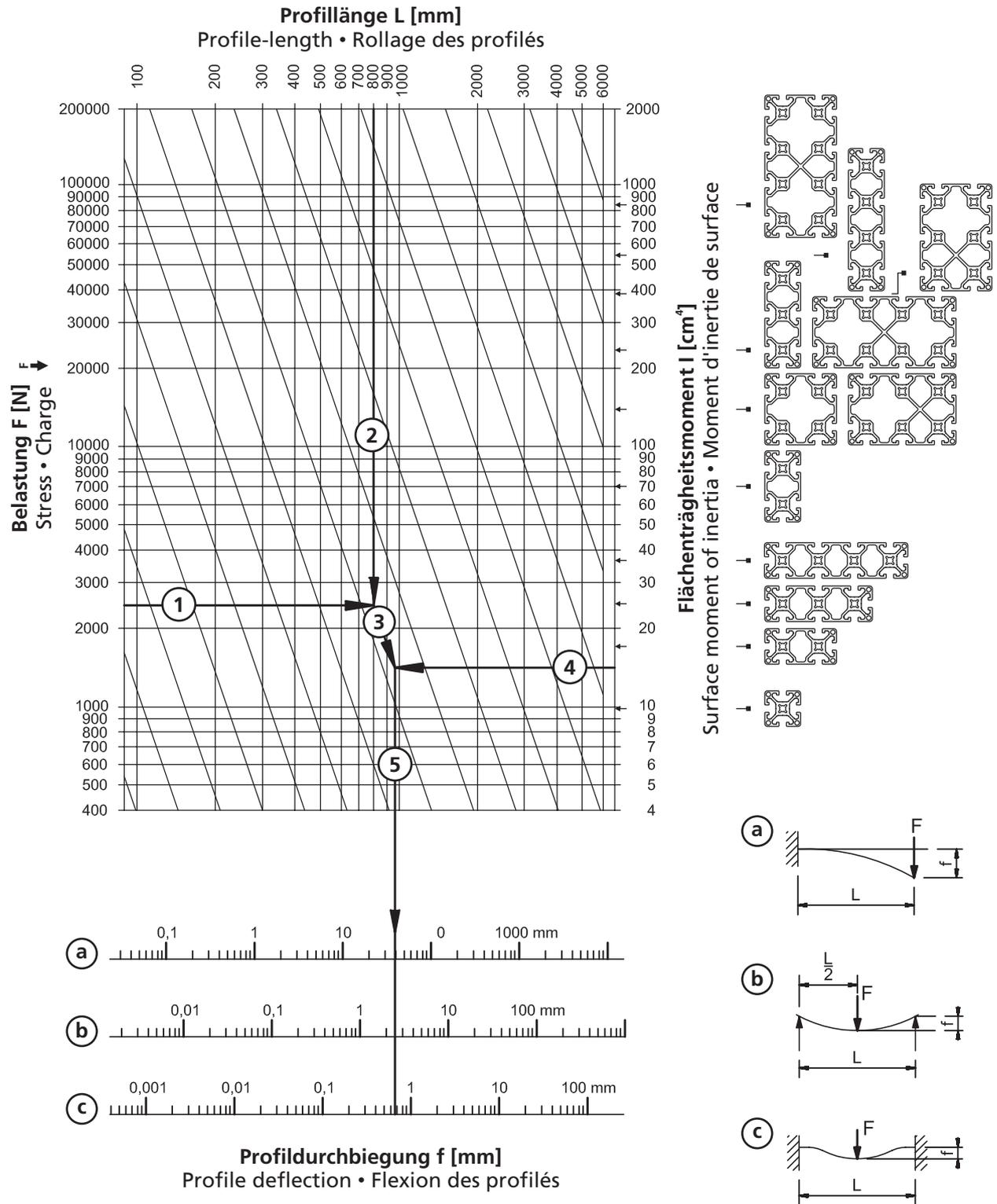


40x40N	40x40-1N	40x40-2N90	40x40-2N180
■ 2.31	■ 2.31	■ 2.31	■ 2.31
40x40N-45°	40x40N-R		
■ 2.32	■ 2.32		
40x80N	40x120N	40x160N	40x160N-4N
■ 2.32	■ 2.32	■ 2.33	■ 2.33
80x80N	80x80N-2N	80x80N-4N90	
■ 2.34	■ 2.34	■ 2.34	
80x120N	80x160N	40x40 KL	40x40 KL-180°
■ 2.35	■ 2.35	➔ ■ 2.37	➔ ■ 2.37
40R80-30°	40R80-45°	40R80-60°	40R80-90°
■ 2.36	■ 2.36	■ 2.36	■ 2.36

Technische Änderungen vorbehalten



Durchbiegung der Profile
Profile deflection
Flexion des profilés



Technische Änderungen vorbehalten

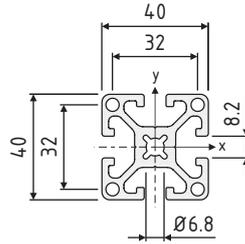
ALU-PROFILE

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40x40 N

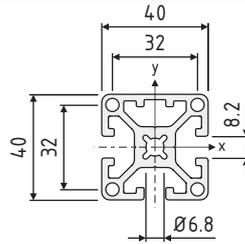


05.01002.00

$M = 1,75 \text{ kg/m}$
 $I_x = 9,66 \text{ cm}^4$
 $W_x = 4,83 \text{ cm}^3$
 $I_y = 9,66 \text{ cm}^4$
 $W_y = 4,83 \text{ cm}^3$

PE (m)
 6 / 48 / 96 / 144

40x40 N-1N

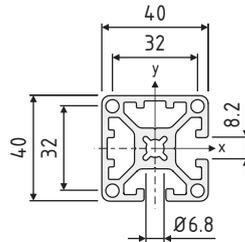
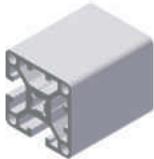


05.01026.00

$M = 1,75 \text{ kg/m}$
 $I_x = 10,06 \text{ cm}^4$
 $W_x = 5,03 \text{ cm}^3$
 $I_y = 9,52 \text{ cm}^4$
 $W_y = 4,76 \text{ cm}^3$

PE (m)
 6 / 48 / 96 / 144

40x40 N-2N90

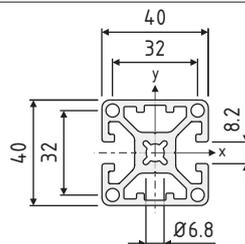


05.01027.00

$M = 1,79 \text{ kg/m}$
 $I_x = 10,07 \text{ cm}^4$
 $W_x = 5,04 \text{ cm}^3$
 $I_y = 10,07 \text{ cm}^4$
 $W_y = 5,04 \text{ cm}^3$

PE (m)
 6 / 48 / 96 / 144

40x40 N-2N180



05.01028.00

$M = 1,79 \text{ kg/m}$
 $I_x = 10,61 \text{ cm}^4$
 $W_x = 5,31 \text{ cm}^3$
 $I_y = 9,53 \text{ cm}^4$
 $W_y = 4,77 \text{ cm}^3$

PE (m)
 6 / 48 / 96 / 144



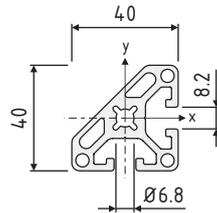
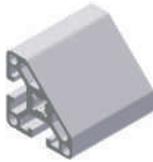
ALU-PROFILE

PROFILES

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40x40 N-45°

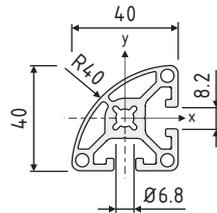


05.01029.00

M = 1,52 kg/m
 $I_x = 7,64 \text{ cm}^4$
 $W_x = 3,82 \text{ cm}^3$
 $I_y = 7,64 \text{ cm}^4$
 $W_y = 3,82 \text{ cm}^3$

PE (m)
 6 / 48 / 96 / 144

40x40 N-R

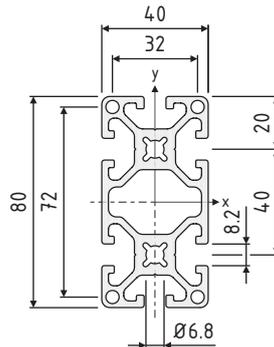
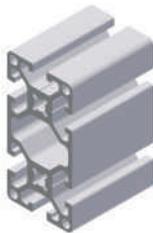


05.01943.00

M = 1,42 kg/m
 $I_x = 7,10 \text{ cm}^4$
 $W_x = 3,55 \text{ cm}^3$
 $I_y = 7,10 \text{ cm}^4$
 $W_y = 3,55 \text{ cm}^3$

PE (m)
 6 / 48 / 96 / 144

40x80 N

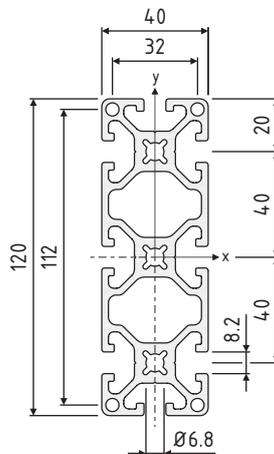
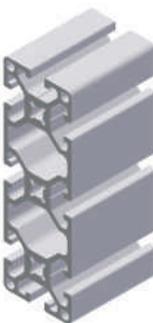


05.01003.00

M = 3,20 kg/m
 $I_x = 71,84 \text{ cm}^4$
 $W_x = 14,96 \text{ cm}^3$
 $I_y = 18,91 \text{ cm}^4$
 $W_y = 9,45 \text{ cm}^3$

PE (m)
 6 / 24 / 48 / 72

40x120 N



05.01047.00

M = 4,47 kg/m
 $I_x = 225,86 \text{ cm}^4$
 $W_x = 37,64 \text{ cm}^3$
 $I_y = 27,87 \text{ cm}^4$
 $W_y = 13,94 \text{ cm}^3$

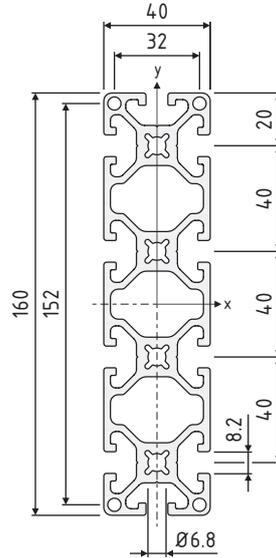
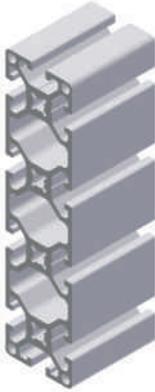
PE (m)
 6 / 24 / 48 / 72

Technische Änderungen vorbehalten

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40x160 N



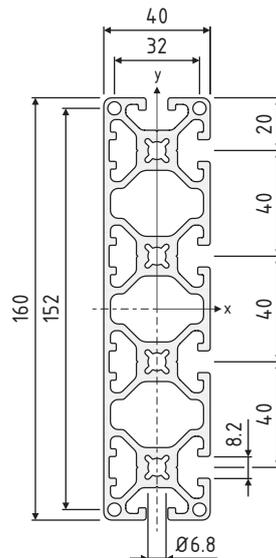
05.01820.00

M = 6,14 kg/m
 $I_x = 541,60 \text{ cm}^4$
 $W_x = 67,70 \text{ cm}^3$
 $I_y = 36,82 \text{ cm}^4$
 $W_y = 18,41 \text{ cm}^3$

PE (m)
 6 / 24 / 48 / 72

2

40x160 N-4N



05.01819.00

M = 6,42 kg/m
 $I_x = 564,20 \text{ cm}^4$
 $W_x = 70,53 \text{ cm}^3$
 $I_y = 40,36 \text{ cm}^4$
 $W_y = 20,18 \text{ cm}^3$

PE (m)
 6 / 24 / 48 / 72

Technische Änderungen vorbehalten



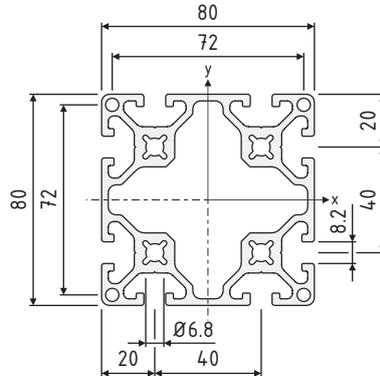
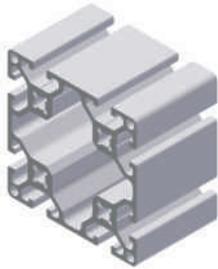
ALU-PROFILE

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80x80 N

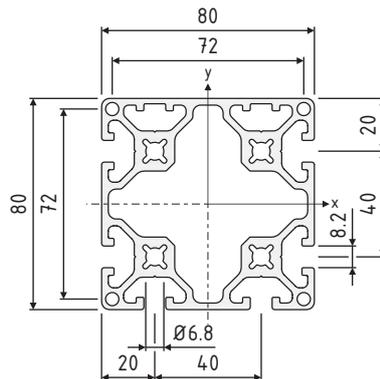
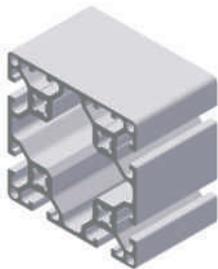


05.01004.00

M = 5,00 kg/m
 $I_x = 128,38 \text{ cm}^4$
 $W_x = 32,09 \text{ cm}^3$
 $I_y = 128,38 \text{ cm}^4$
 $W_y = 32,09 \text{ cm}^3$

PE (m)
6 / 24 / 48 / 72

80x80 N-2N

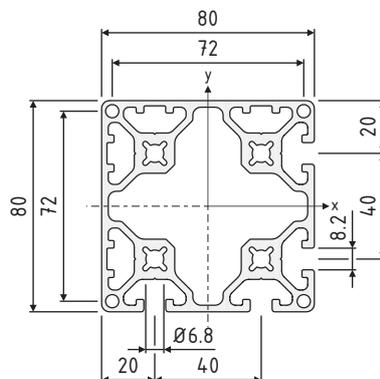
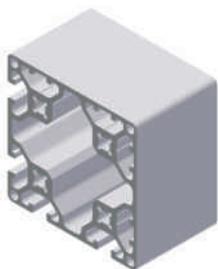


05.01931.00

M = 4,96 kg/m
 $I_x = 133,53 \text{ cm}^4$
 $W_x = 33,38 \text{ cm}^3$
 $I_y = 129,75 \text{ cm}^4$
 $W_y = 32,44 \text{ cm}^3$

PE (m)
6 / 24 / 48 / 72

80x80 N-4N90



05.01932.00

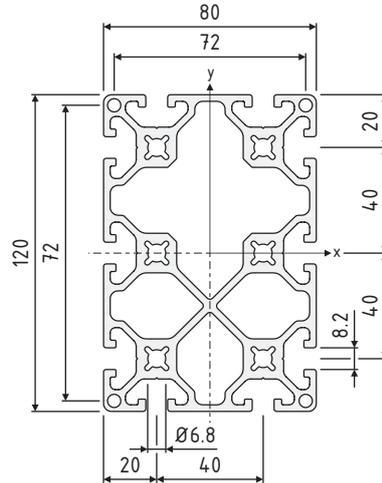
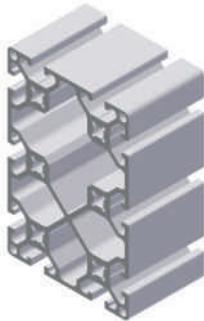
M = 5,05 kg/m
 $I_x = 134,91 \text{ cm}^4$
 $W_x = 33,73 \text{ cm}^3$
 $I_y = 134,91 \text{ cm}^4$
 $W_y = 33,73 \text{ cm}^3$

PE (m)
6 / 24 / 48 / 72

ALU-PROFILE
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80x120 N



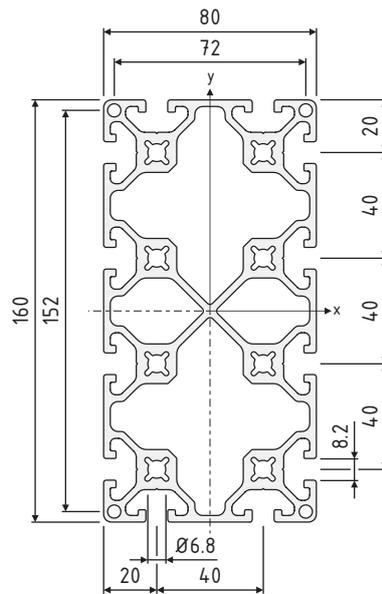
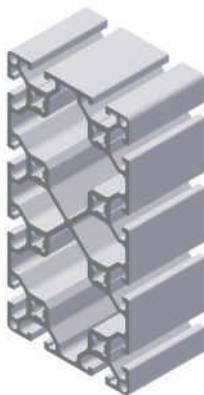
05.01823.00

M = 7,22 kg/m
 $I_x = 392,49 \text{ cm}^4$
 $W_x = 65,42 \text{ cm}^3$
 $I_y = 186,57 \text{ cm}^4$
 $W_y = 46,64 \text{ cm}^3$

PE (m)
 6 / 12 / 24 / 36

2

80x160 N



05.01824.00

M = 8,98 kg/m
 $I_x = 834,03 \text{ cm}^4$
 $W_x = 104,25 \text{ cm}^3$
 $I_y = 243,19 \text{ cm}^4$
 $W_y = 60,80 \text{ cm}^3$

PE (m)
 6 / 12 / 24 / 36

Technische Änderungen vorbehalten



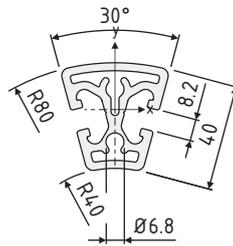
ALU-PROFILE

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40R80 - 30°

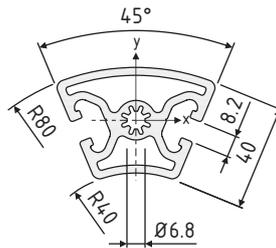


05.01866.00

M = 1,62 kg/m
 $I_x = 9,98 \text{ cm}^4$
 $W_x = 4,80 \text{ cm}^3$
 $I_y = 6,38 \text{ cm}^4$
 $W_y = 3,19 \text{ cm}^3$

PE (m)
 6 / 48 / 96 / 144

40R80 - 45°

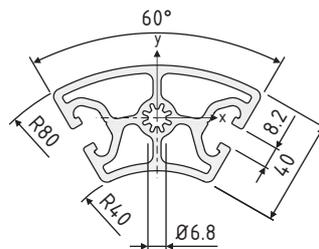


05.01867.00

M = 2,20 kg/m
 $I_x = 12,50 \text{ cm}^4$
 $W_x = 5,63 \text{ cm}^3$
 $I_y = 19,36 \text{ cm}^4$
 $W_y = 6,53 \text{ cm}^3$

PE (m)
 6 / 36 / 72 / 108

40R80 - 60°

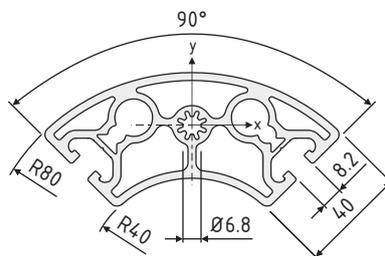


05.01868.00

M = 2,78 kg/m
 $I_x = 16,45 \text{ cm}^4$
 $W_x = 6,76 \text{ cm}^3$
 $I_y = 41,28 \text{ cm}^4$
 $W_y = 10,62 \text{ cm}^3$

PE (m)
 6 / 24 / 48 / 72

40R80 - 90°



05.01869.00

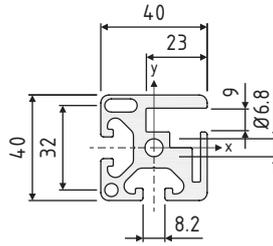
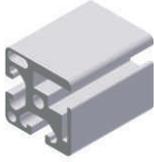
M = 3,92 kg/m
 $I_x = 27,49 \text{ cm}^4$
 $W_x = 9,00 \text{ cm}^3$
 $I_y = 123,94 \text{ cm}^4$
 $W_y = 22,42 \text{ cm}^3$

PE (m)
 6 / 18 / 36 / 54

ALU-PROFILE PROFILES PROFILES



40x40 KL

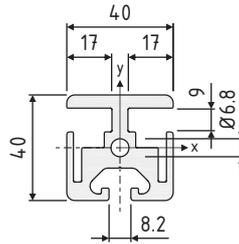


05.01940.00

M = 2,10 kg/m
I_x = 12,12 cm⁴
W_x = 6,06 cm³
I_y = 10,89 cm⁴
W_y = 5,45 cm³

PE (m)
6 / 48 / 96 / 144

40x40 KL-180°



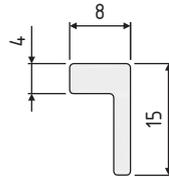
05.01942.00

M = 2,26 kg/m
I_x = 13,16 cm⁴
W_x = 6,58 cm³
I_y = 11,54 cm⁴
W_y = 5,77 cm³

PE (m)
6 / 48 / 96 / 144

Klemmleiste

Clamping strips · Baguette

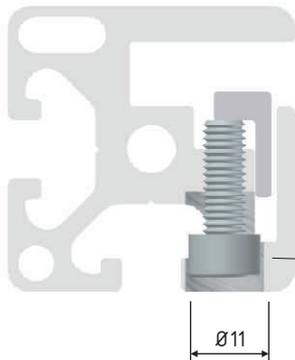


05.01922.00

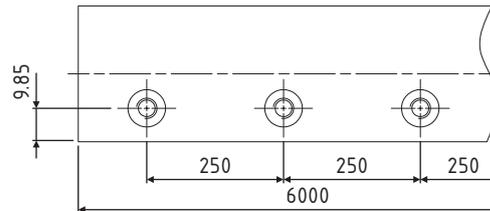
PE (m)
6



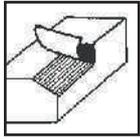
99.00070.00



M6x16, DIN 7984
Bitte separat bestellen
Please order separately
Commander séparément



Bohrungen bereits im Profil vorhanden
Holes already provided in profiles
Profils déjà usinés



PROFILBEARBEITUNG

PROFILE FINISHING

USINAGE DE PROFILES



1x	2x	3x	4x	4x	6x	8x
40x40	40x80	40x120	40x160	80x80	80x120	80x160

	05.xxxxx.09		05.xxxxx.10		05.xxxxx.12
M8x40		M8x40		M12x60	
	05.xxxxx.11		05.xxxxx.13		
M8x40		M12x60			

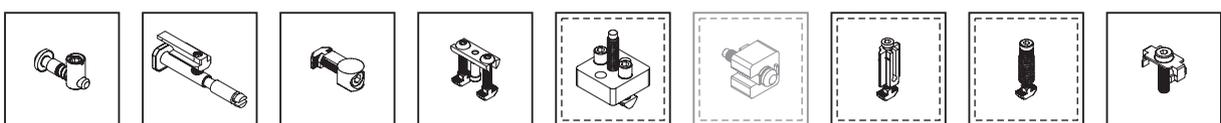
1x	2x	3x	4x	4x	6x	8x
40x40	40x80	40x120	40x160	80x80	80x120	80x160

VSI 7		05.xxxxx.15	■ 3.17	UNI		05.xxxxx.40	■ 3.11
VSI 7		05.xxxxx.16		UNI		05.xxxxx.41	
BV14		05.xxxxx.25	■ 3.06	VSA 14		05.xxxxx.45	■ 3.16
BV14		05.xxxxx.26		VSA 14		05.xxxxx.46	
GV14		05.xxxxx.30	■ 3.02				
GV14		05.xxxxx.31					

← 40x80

BV14V		05.xxxxx.85	■ 3.06	UNI		05.xxxxx.43	■ 3.11
BV14V		05.xxxxx.86		UNI		05.xxxxx.44	

Technische Änderungen vorbehalten



ALU-PROFILE

PROFILES

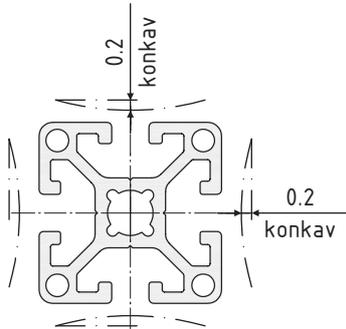
PROFILES



Konkavität

40x40 N-10K

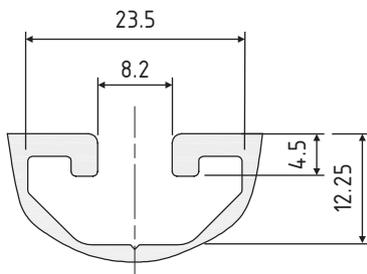
40x80 N-10K



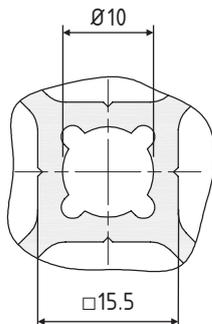
■ 2.41

■ 2.41

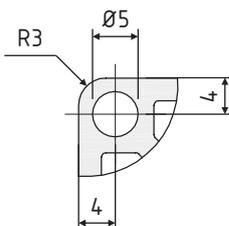
Nut



Kernloch



Außenkante

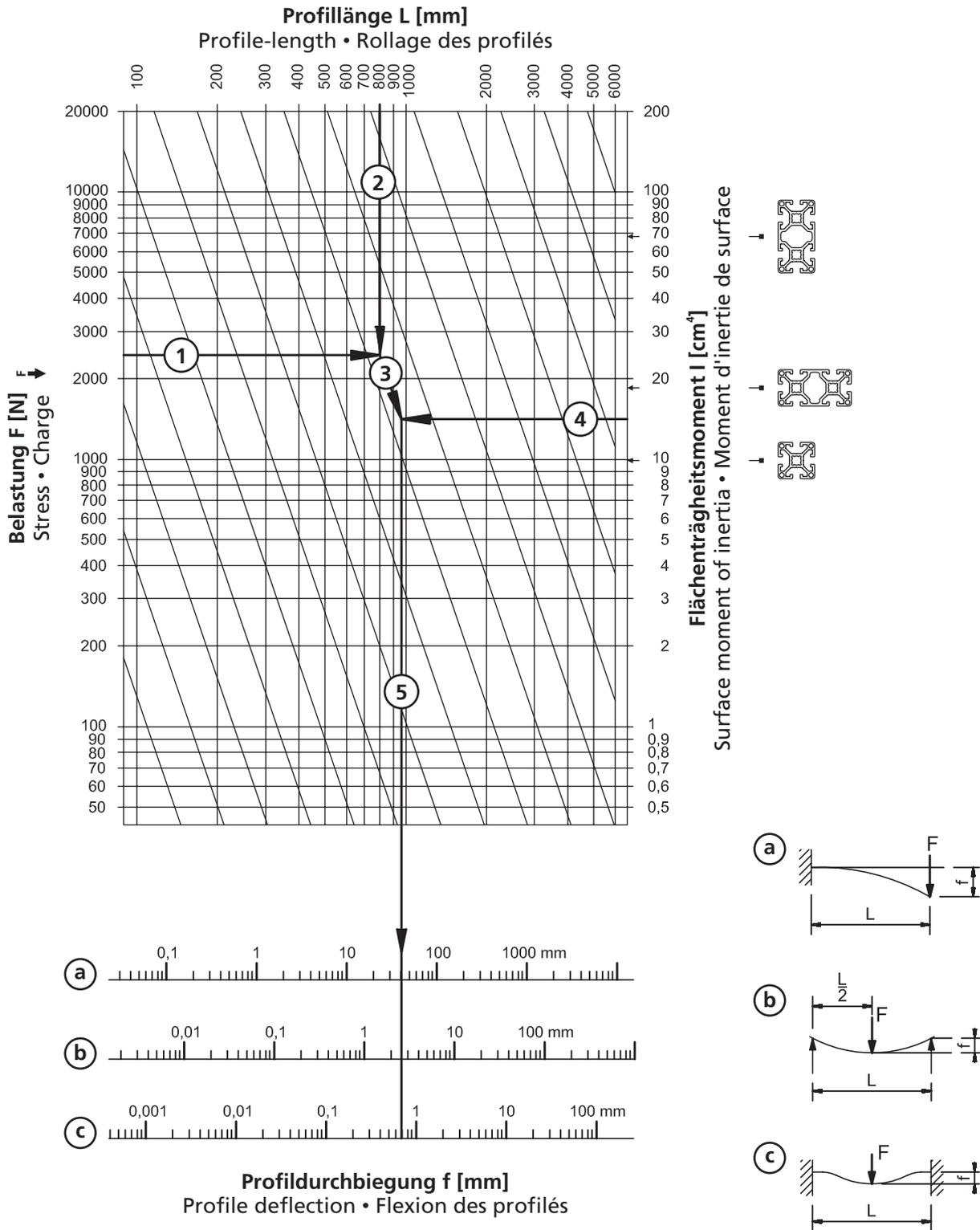


2

Technische Änderungen vorbehalten



Durchbiegung der Profile
Profile deflection
Flexion des profilés

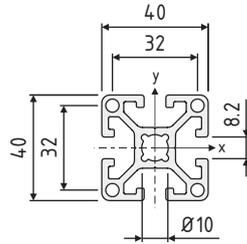
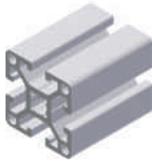


Technische Änderungen vorbehalten

ALU-PROFILE
PROFILES
PROFILES



40x40 N-10K



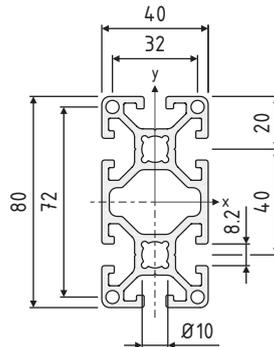
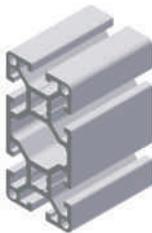
05.01133.00

M = 1,65 kg/m
 $I_x = 9,75 \text{ cm}^4$
 $W_x = 4,87 \text{ cm}^3$
 $I_y = 9,75 \text{ cm}^4$
 $W_y = 4,87 \text{ cm}^3$

PE (m)
 6 / 48 / 96 / 144



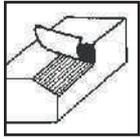
40x80 N-10K



05.01134.00

M = 3,00 kg/m
 $I_x = 67,98 \text{ cm}^4$
 $W_x = 16,99 \text{ cm}^3$
 $I_y = 18,98 \text{ cm}^4$
 $W_y = 9,49 \text{ cm}^3$

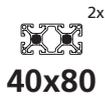
PE (m)
 6 / 24 / 48 / 72



PROFILBEARBEITUNG

PROFILE FINISHING

USINAGE DE PROFILES



05.xxxxx.09

M12x60



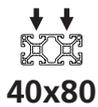
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M12x60

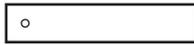


M12x60

05.xxxxx.13



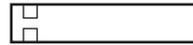
VSI 7



05.xxxxx.15

■ 3.17

UNI



05.xxxxx.40

■ 3.11

VSI 7



VSI 7

05.xxxxx.16

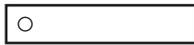
UNI



UNI

05.xxxxx.41

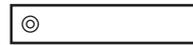
BV14



05.xxxxx.25

■ 3.06

VSA 14



05.xxxxx.45

■ 3.16

BV14



BV14

05.xxxxx.26

VSA 14



VSA 14

05.xxxxx.46

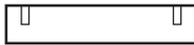
AGV



05.xxxxx.35

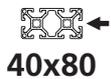
■ 3.04

AGV

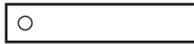


AGV

05.xxxxx.36



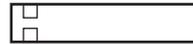
BV14V



05.xxxxx.85

■ 3.06

UNI



05.xxxxx.43

■ 3.11

BV14V



BV14V

05.xxxxx.86

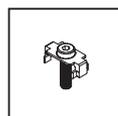
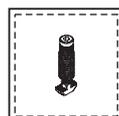
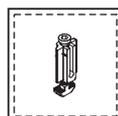
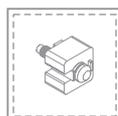
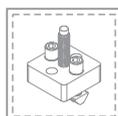
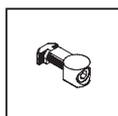
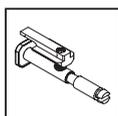
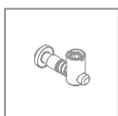
UNI



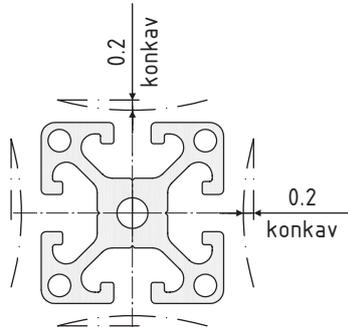
UNI

05.xxxxx.44

Technische Änderungen vorbehalten



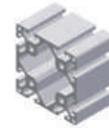
Konkavität



40x40MS

40x80MS

80x80MS

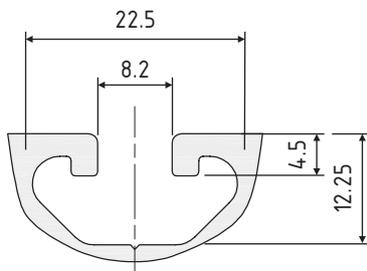


■ 2.45

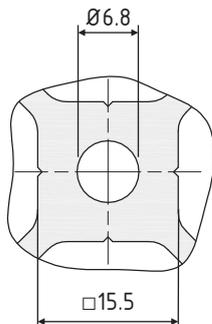
■ 2.45

■ 2.45

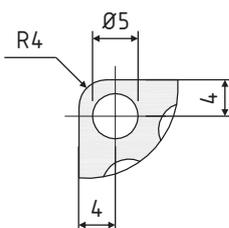
Nut



Kernloch

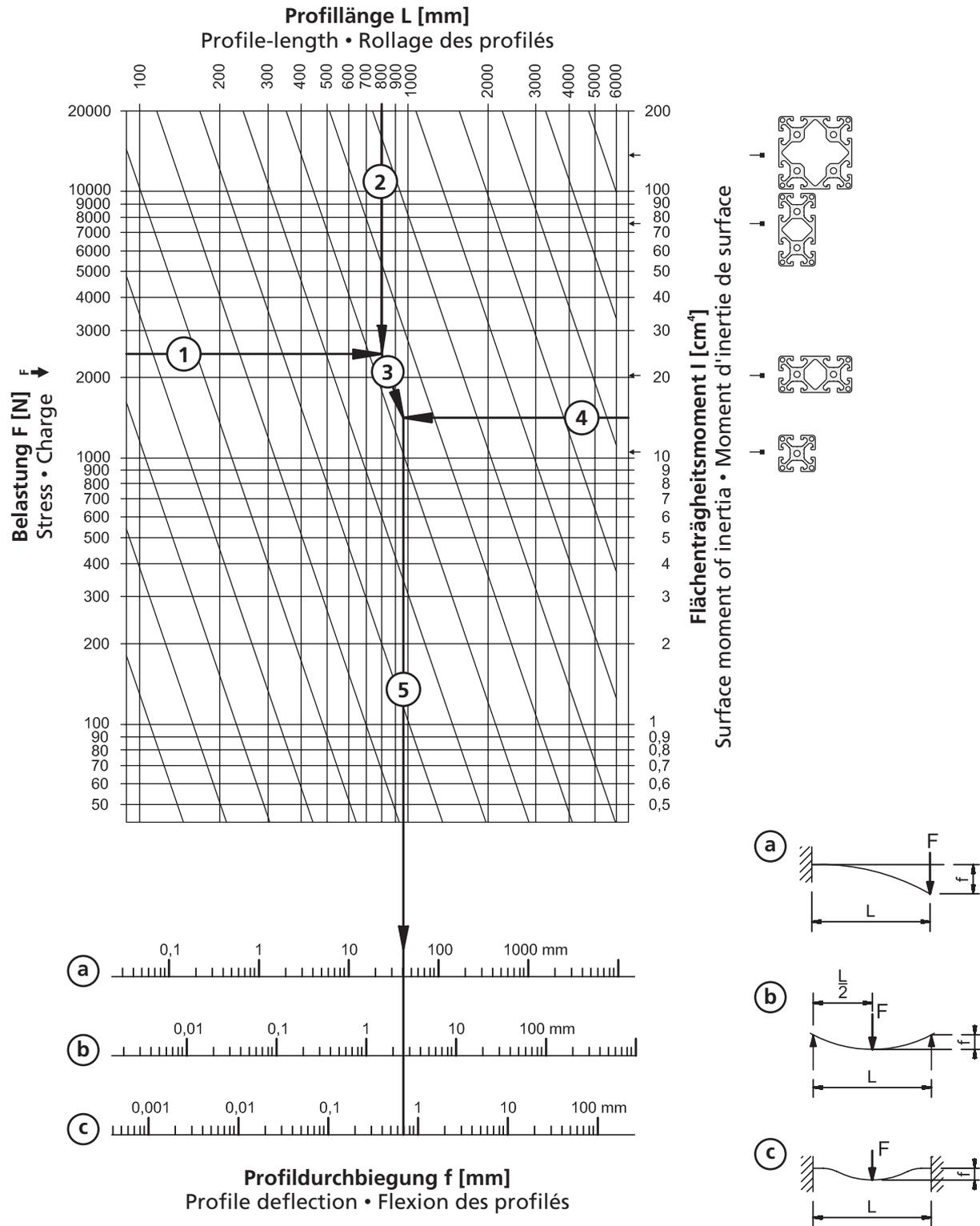


Außenkante





Durchbiegung der Profile
Profile deflection
Flexion des profilés

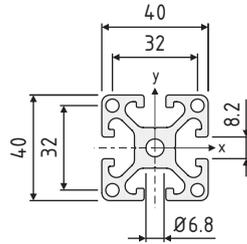
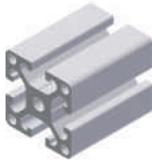


Technische Änderungen vorbehalten

ALU-PROFILE
PROFILES
PROFILES



40x40 MS



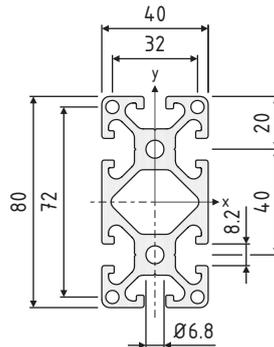
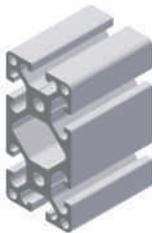
05.01114.00

M = 1,90 kg/m
 $I_x = 10,52 \text{ cm}^4$
 $W_x = 5,26 \text{ cm}^3$
 $I_y = 10,52 \text{ cm}^4$
 $W_y = 5,26 \text{ cm}^3$

PE (m)
 6 / 48 / 96 / 144



40x80 MS

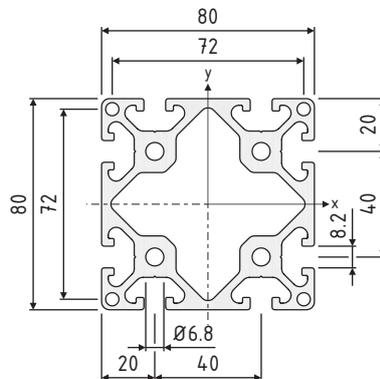
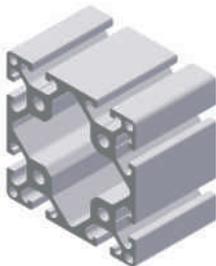


05.01115.00

M = 3,60 kg/m
 $I_x = 77,44 \text{ cm}^4$
 $W_x = 19,36 \text{ cm}^3$
 $I_y = 21,35 \text{ cm}^4$
 $W_y = 10,67 \text{ cm}^3$

PE (m)
 6 / 24 / 48 / 72

80x80 MS

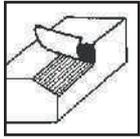


05.01116.00

M = 5,75 kg/m
 $I_x = 146,70 \text{ cm}^4$
 $W_x = 36,67 \text{ cm}^3$
 $I_y = 146,70 \text{ cm}^4$
 $W_y = 36,67 \text{ cm}^3$

PE (m)
 6 / 24 / 48 / 72

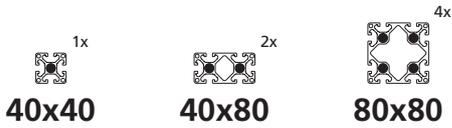
Technische Änderungen vorbehalten



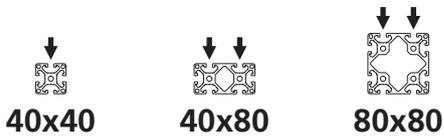
PROFILBEARBEITUNG

PROFILE FINISHING

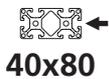
USINAGE DE PROFILES



		05.xxxxx.09			
M8x40		05.xxxxx.10		M12x60	05.xxxxx.12
M8x40		05.xxxxx.11	M8x40	M12x60	05.xxxxx.13

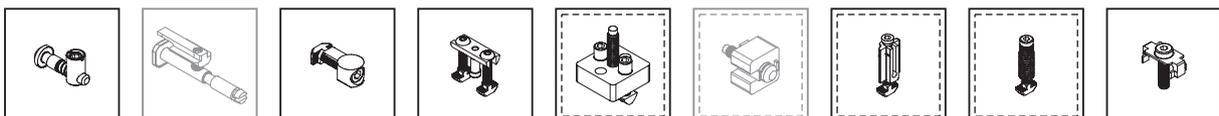


VSI 7		05.xxxxx.15 ■ 3.17	UNI		05.xxxxx.40 ■ 3.11
VSI 7		05.xxxxx.16	UNI		05.xxxxx.41
BV14		05.xxxxx.25 ■ 3.06	VSA 14		05.xxxxx.45 ■ 3.16
BV14		05.xxxxx.26	VSA 14		05.xxxxx.46
GV14		05.xxxxx.30 ■ 3.02			
GV14		05.xxxxx.31			



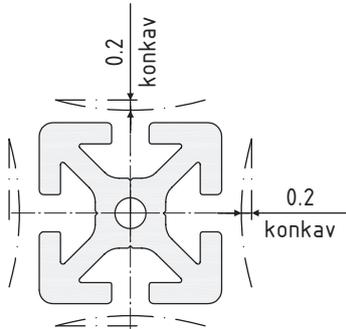
BV14V		05.xxxxx.85 ■ 3.06	UNI		05.xxxxx.43 ■ 3.11
BV14V		05.xxxxx.86	UNI		05.xxxxx.44

Technische Änderungen vorbehalten

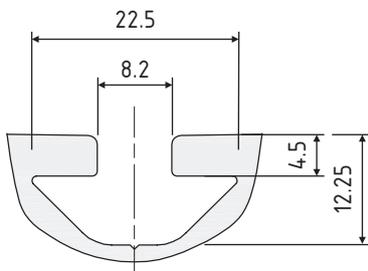




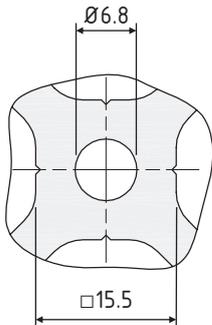
Konkavität



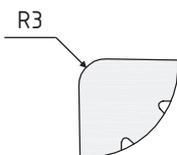
Nut



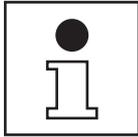
Kernloch



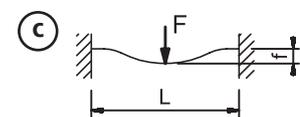
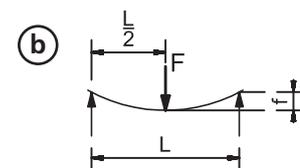
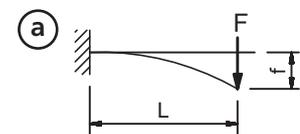
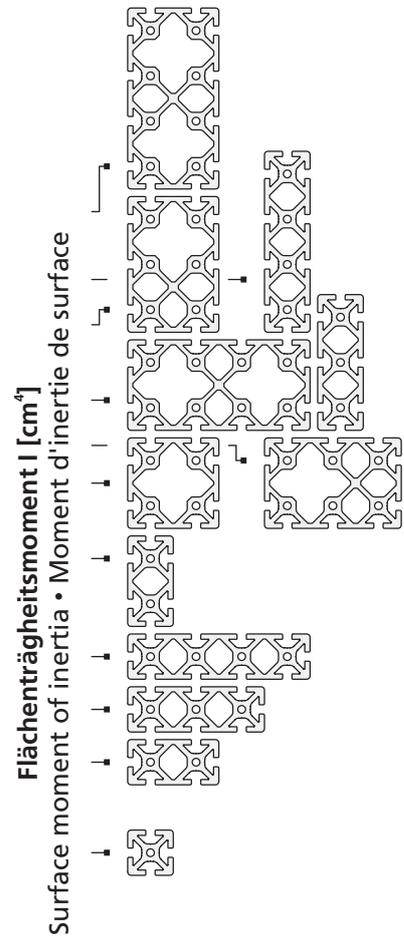
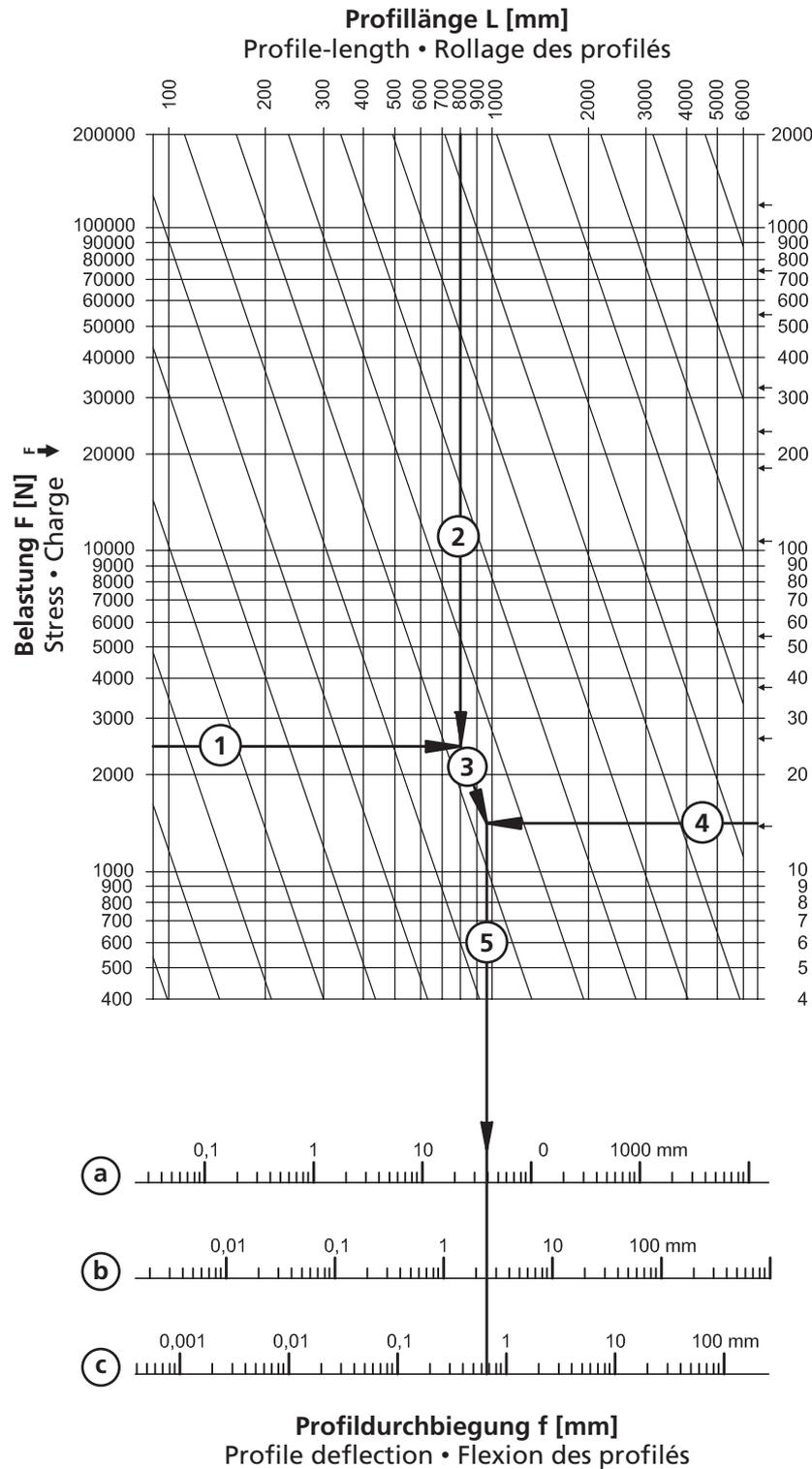
Außenkante



40x40S	40x80S	40x120S	40x160S
■ 2.49	■ 2.49	■ 2.49	■ 2.50
80x80S	80x120S	80x160S	
■ 2.50	■ 2.51	■ 2.51	
120x120S	120x160S		
■ 2.52	■ 2.52		

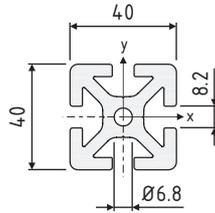
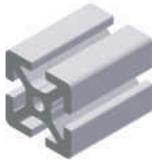


Durchbiegung der Profile
Profile deflection
Flexion des profilés





40x40 S



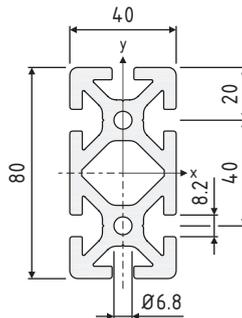
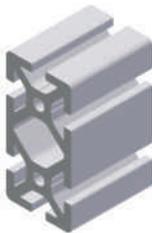
05.01005.00

M = 2,45 kg/m
 $I_x = 14,18 \text{ cm}^4$
 $W_x = 7,09 \text{ cm}^3$
 $I_y = 14,18 \text{ cm}^4$
 $W_y = 7,09 \text{ cm}^3$

PE (m)
 6 / 48 / 96 / 144



40x80 S

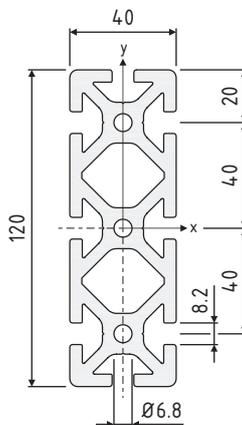


05.01006.00

M = 4,45 kg/m
 $I_x = 101,00 \text{ cm}^4$
 $W_x = 25,25 \text{ cm}^3$
 $I_y = 26,89 \text{ cm}^4$
 $W_y = 13,44 \text{ cm}^3$

PE (m)
 6 / 24 / 48 / 72

40x120 S



05.01008.00

M = 6,40 kg/m
 $I_x = 319,03 \text{ cm}^4$
 $W_x = 53,17 \text{ cm}^3$
 $I_y = 39,60 \text{ cm}^4$
 $W_y = 19,80 \text{ cm}^3$

PE (m)
 6 / 24 / 48 / 72



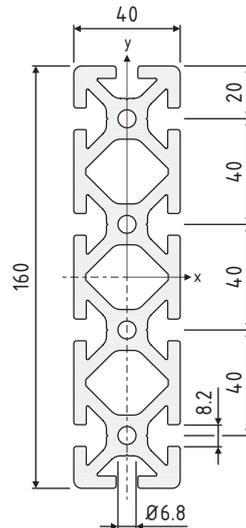
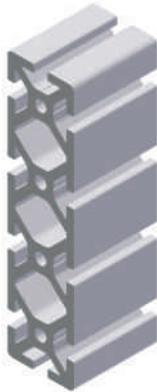
ALU-PROFILE

PROFILES

PROFILES



40x160 S

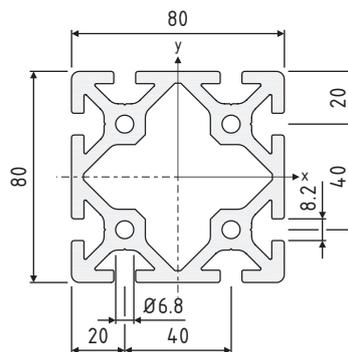
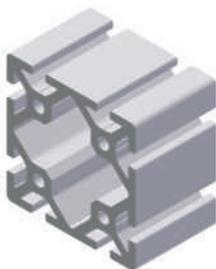


05.01814.00

M = 8,38 kg/m
 $I_x = 726,75 \text{ cm}^4$
 $W_x = 90,84 \text{ cm}^3$
 $I_y = 52,30 \text{ cm}^4$
 $W_y = 26,15 \text{ cm}^3$

PE (m)
6 / 24 / 48 / 72

80x80 S



05.01007.00

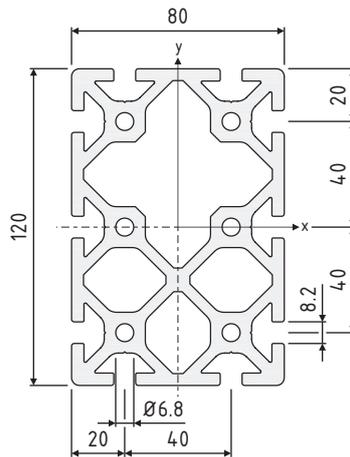
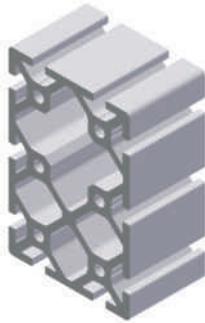
M = 6,88 kg/m
 $I_x = 182,12 \text{ cm}^4$
 $W_x = 45,53 \text{ cm}^3$
 $I_y = 182,12 \text{ cm}^4$
 $W_y = 45,53 \text{ cm}^3$

PE (m)
6 / 24 / 48 / 72

ALU-PROFILE
PROFILES
PROFILES



80x120 S



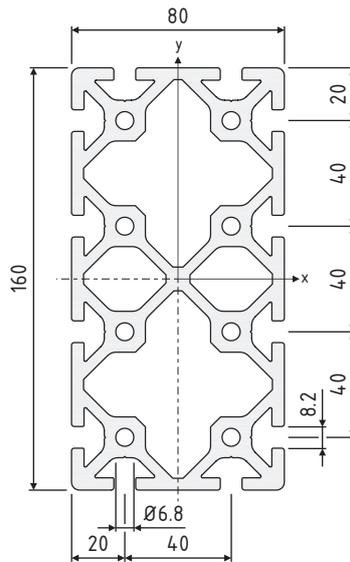
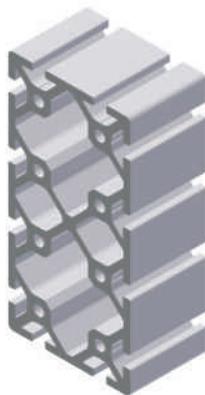
05.01817.00

M = 9,94 kg/m
 $I_x = 544,71 \text{ cm}^4$
 $W_x = 90,79 \text{ cm}^3$
 $I_y = 258,99 \text{ cm}^4$
 $W_y = 64,75 \text{ cm}^3$

PE (m)
 6 / 12 / 24 / 36

2

80x160 S



05.01818.00

M = 12,29 kg/m
 $I_x = 1153,53 \text{ cm}^4$
 $W_x = 144,19 \text{ cm}^3$
 $I_y = 336,91 \text{ cm}^4$
 $W_y = 84,23 \text{ cm}^3$

PE (m)
 6 / 12 / 24 / 36

Technische Änderungen vorbehalten



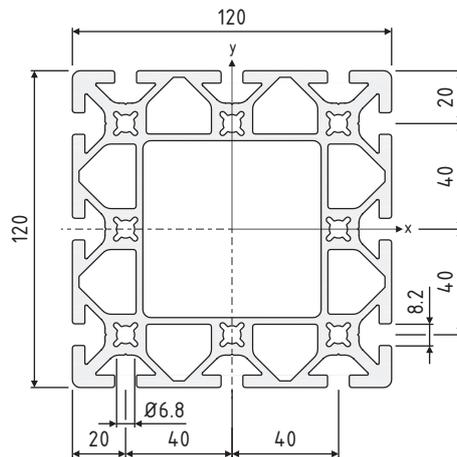
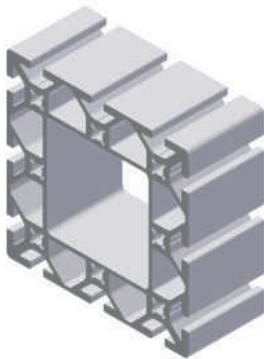
ALU-PROFILE

PROFILES

PROFILES



120x120 S

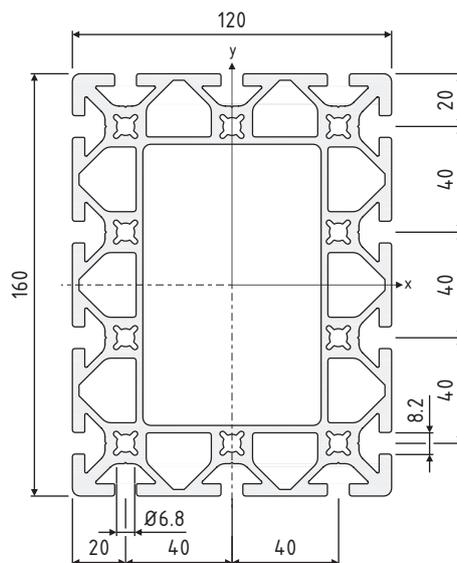
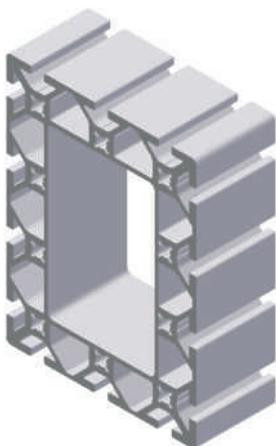


05.01709.00

M = 11,24 kg/m
 $I_x = 701,72 \text{ cm}^4$
 $W_x = 116,95 \text{ cm}^3$
 $I_y = 701,72 \text{ cm}^4$
 $W_y = 116,95 \text{ cm}^3$

PE (m)
6 / 12 / 24 / 36

120x160 S



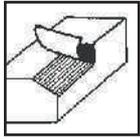
05.01710.00

M = 13,61 kg/m
 $I_x = 1509,61 \text{ cm}^4$
 $W_x = 188,70 \text{ cm}^3$
 $I_y = 895,66 \text{ cm}^4$
 $W_y = 149,28 \text{ cm}^3$

PE (m)
6 / 12 / 24 / 36

ALU-PROFILE
PROFILES
PROFILES





PROFILBEARBEITUNG

PROFILE FINISHING

USINAGE DE PROFILES



1x	2x	3x	4x	4x	6x	8x
40x40	40x80	40x120	40x160	80x80	80x120	80x160

	05.xxxxx.09		
M8x40	05.xxxxx.10	M12x60	05.xxxxx.12
M8x40 M8x40	05.xxxxx.11	M12x60 M12x60	05.xxxxx.13

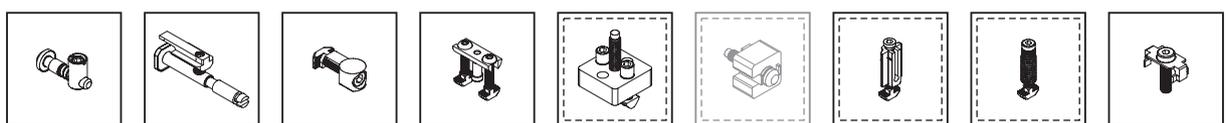
40x40	40x80	40x120	40x160	80x80	80x120	80x160

VSI 7	05.xxxxx.15 ■ 3.17	UNI	05.xxxxx.40 ■ 3.11
VSI 7 VSI 7	05.xxxxx.16	UNI UNI	05.xxxxx.41
BV14	05.xxxxx.25 ■ 3.06	VSA 14	05.xxxxx.45 ■ 3.16
BV14 BV14	05.xxxxx.26	VSA 14 VSA 14	05.xxxxx.46
GV14	05.xxxxx.30 ■ 3.02		
GV14 GV14	05.xxxxx.31		

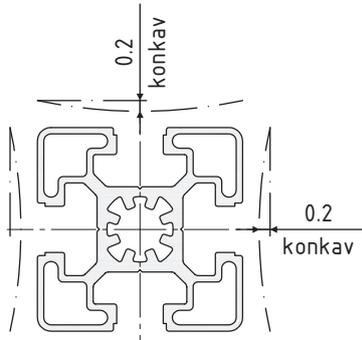
← 40x80

BV14V	05.xxxxx.85 ■ 3.06	UNI	05.xxxxx.43 ■ 3.11
BV14V BV14V	05.xxxxx.86	UNI UNI	05.xxxxx.44

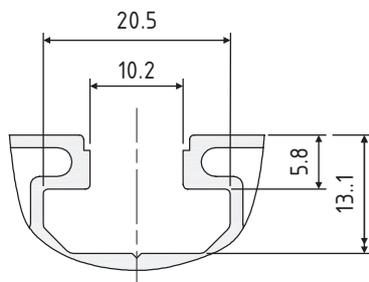
Technische Änderungen vorbehalten



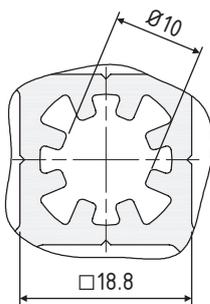
Konkavität



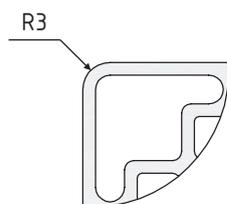
Nut



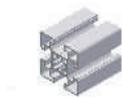
Kernloch



Außenkante



45x45EL-1.5



■ 2.57

45x45L-1.7



■ 2.57

45x45L-1N



■ 2.57

45x45L-2N90



■ 2.57

45x45L-2N180



■ 2.57

45x45L-3N



■ 2.57

45x45L-R



■ 2.58

45x60L



■ 2.58

45x90EL-2.9



■ 2.58

45x90L-3.4



■ 2.58

45x180L



■ 2.59

60x60L



■ 2.60

90x90L-5.9

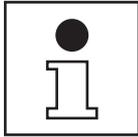


■ 2.60

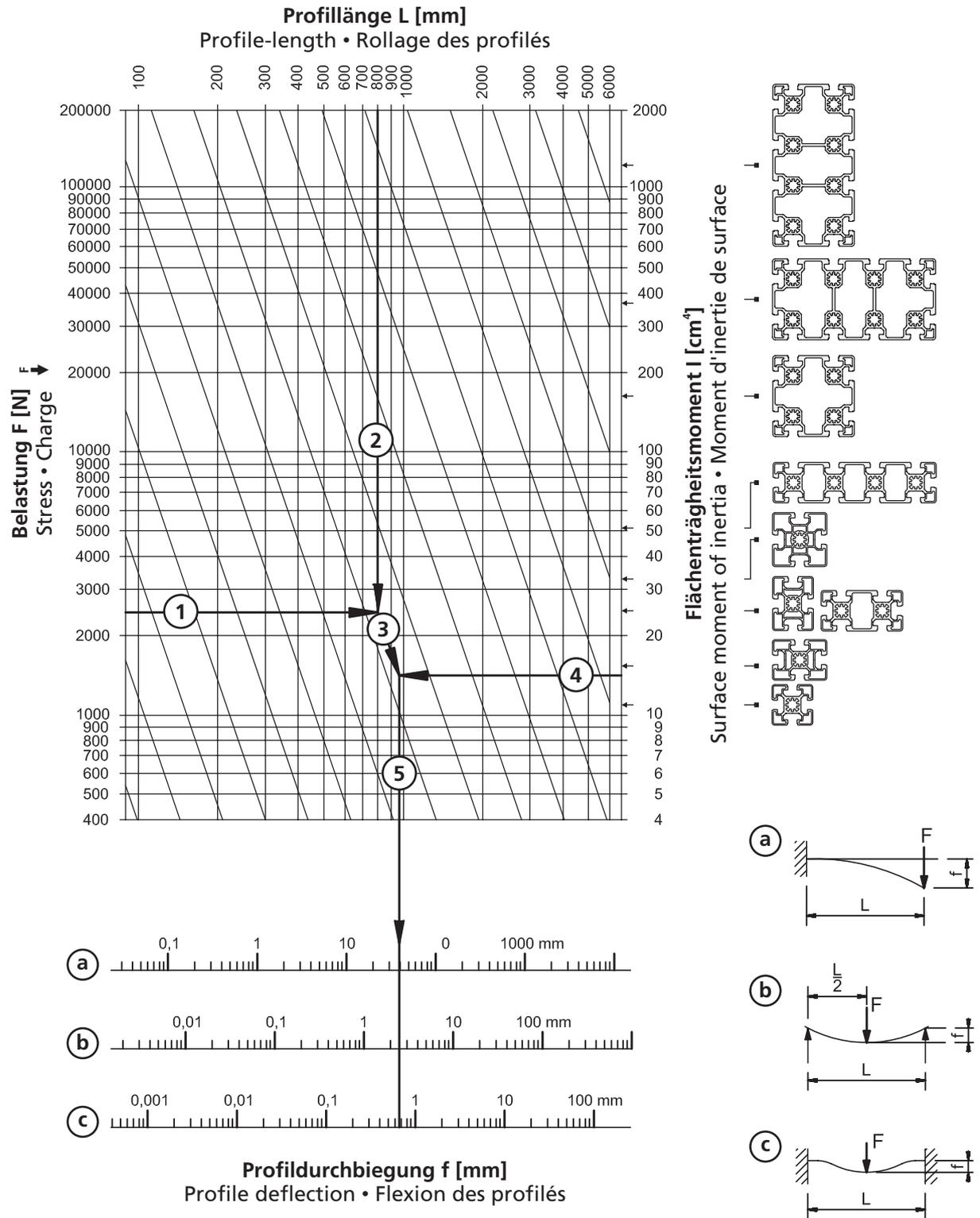
90x180L



■ 2.61



Durchbiegung der Profile
Profile deflection
Flexion des profilés

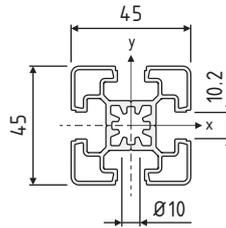
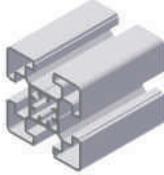


Technische Änderungen vorbehalten

ALU-PROFILE PROFILES PROFILES



45x45 EL-1.5

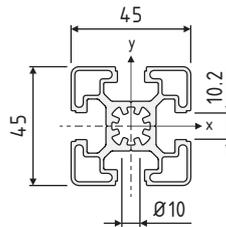
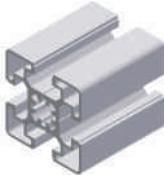


05.01517.00

M = 1,50 kg/m
 $I_x = 9,57 \text{ cm}^4$
 $W_x = 4,25 \text{ cm}^3$
 $I_y = 9,57 \text{ cm}^4$
 $W_y = 4,25 \text{ cm}^3$

PE (m)
 6 / 48 / 96 / 144

45x45 L-1.7

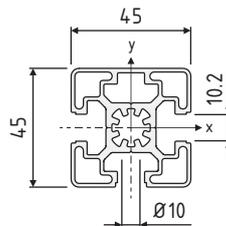
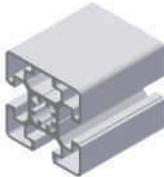


05.01041.00

M = 1,70 kg/m
 $I_x = 10,54 \text{ cm}^4$
 $W_x = 4,69 \text{ cm}^3$
 $I_y = 10,54 \text{ cm}^4$
 $W_y = 4,69 \text{ cm}^3$

PE (m)
 6 / 48 / 96 / 144

45x45 L-1N

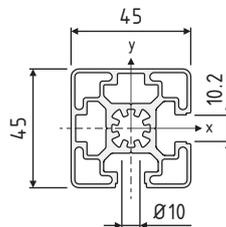
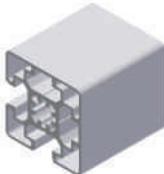


05.01900.00

M = 1,69 kg/m
 $I_x = 11,47 \text{ cm}^4$
 $W_x = 5,10 \text{ cm}^3$
 $I_y = 10,57 \text{ cm}^4$
 $W_y = 4,70 \text{ cm}^3$

PE (m)
 6 / 48 / 96 / 144

45x45 L-2N90

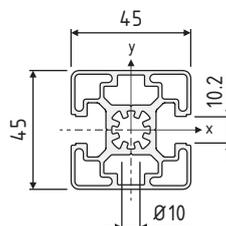
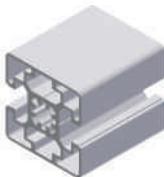


05.01901.00

M = 1,74 kg/m
 $I_x = 11,49 \text{ cm}^4$
 $W_x = 5,11 \text{ cm}^3$
 $I_y = 11,49 \text{ cm}^4$
 $W_y = 5,11 \text{ cm}^3$

PE (m)
 6 / 48 / 96 / 144

45x45 L-2N180

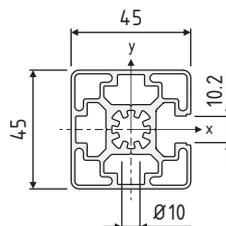
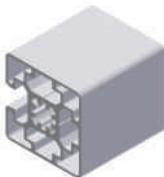


05.01902.00

M = 1,74 kg/m
 $I_x = 12,40 \text{ cm}^4$
 $W_x = 5,51 \text{ cm}^3$
 $I_y = 10,59 \text{ cm}^4$
 $W_y = 4,71 \text{ cm}^3$

PE (m)
 6 / 48 / 96 / 144

45x45 L-3N



05.01903.00

M = 1,79 kg/m
 $I_x = 12,42 \text{ cm}^4$
 $W_x = 5,52 \text{ cm}^3$
 $I_y = 11,51 \text{ cm}^4$
 $W_y = 5,12 \text{ cm}^3$

PE (m)
 6 / 48 / 96 / 144



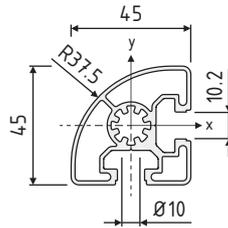
ALU-PROFILE

PROFILES

PROFILES



45x45 L-R

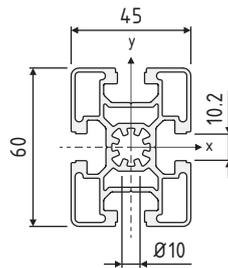
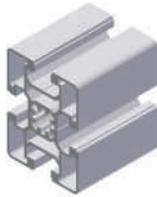


05.01904.00

M = 1,33 kg/m
 $I_x = 8,37 \text{ cm}^4$
 $W_x = 3,72 \text{ cm}^3$
 $I_y = 8,37 \text{ cm}^4$
 $W_y = 3,72 \text{ cm}^3$

PE (m)
 6 / 48 / 96 / 144

45x60 L

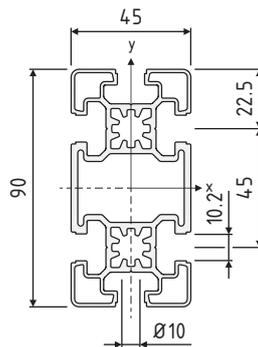
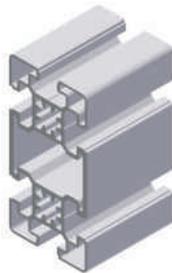


05.01043.00

M = 2,63 kg/m
 $I_x = 25,87 \text{ cm}^4$
 $W_x = 8,62 \text{ cm}^3$
 $I_y = 15,30 \text{ cm}^4$
 $W_y = 6,80 \text{ cm}^3$

PE (m)
 6 / 24 / 48 / 72

45x90 EL-2.9

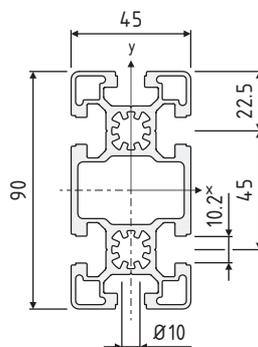
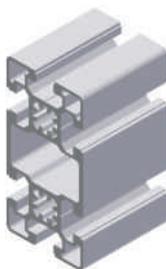


05.01518.00

M = 2,90 kg/m
 $I_x = 73,10 \text{ cm}^4$
 $W_x = 16,25 \text{ cm}^3$
 $I_y = 21,03 \text{ cm}^4$
 $W_y = 9,35 \text{ cm}^3$

PE (m)
 6 / 24 / 48 / 72

45x90 L-3.4



05.01013.00

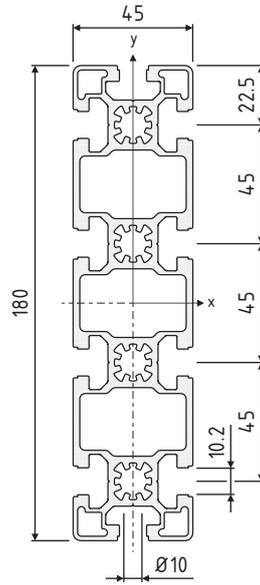
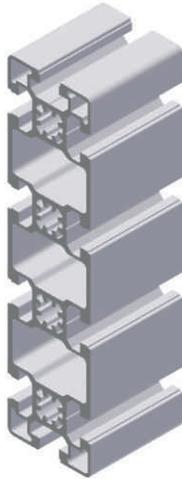
M = 3,40 kg/m
 $I_x = 96,77 \text{ cm}^4$
 $W_x = 21,51 \text{ cm}^3$
 $I_y = 25,64 \text{ cm}^4$
 $W_y = 11,40 \text{ cm}^3$

PE (m)
 6 / 24 / 48 / 72

ALU-PROFILE PROFILES PROFILES



45x180 L



05.01044.00

M = 6,33 kg/m
 $I_x = 700,29 \text{ cm}^4$
 $W_x = 77,81 \text{ cm}^3$
 $I_y = 51,06 \text{ cm}^4$
 $W_y = 22,69 \text{ cm}^3$

PE (m)
6 / 12 / 24 / 36

2



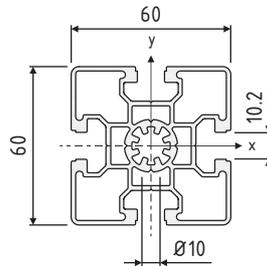
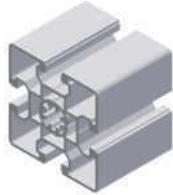
ALU-PROFILE

PROFILES

PROFILES



60x60 L

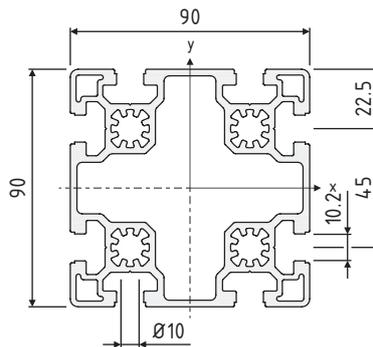
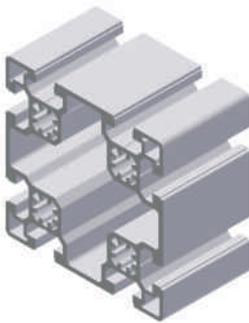


05.01012.00

M = 2,64 kg/m
 $I_x = 31,10 \text{ cm}^4$
 $W_x = 10,37 \text{ cm}^3$
 $I_y = 31,10 \text{ cm}^4$
 $W_y = 10,37 \text{ cm}^3$

PE (m)
6 / 24 / 48 / 72

90x90 L-5.9



05.01014.00

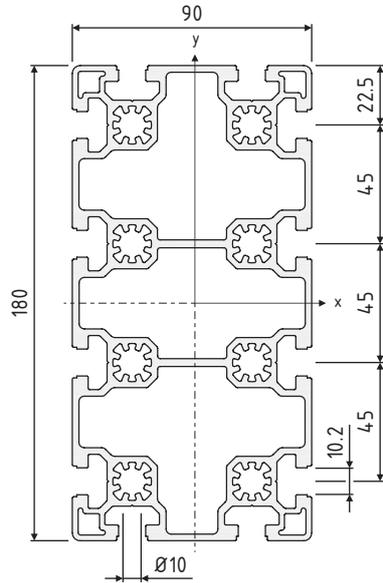
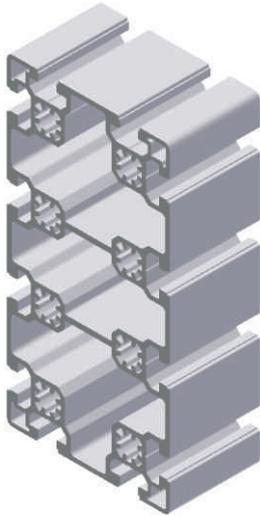
M = 5,90 kg/m
 $I_x = 193,58 \text{ cm}^4$
 $W_x = 43,02 \text{ cm}^3$
 $I_y = 193,58 \text{ cm}^4$
 $W_y = 43,02 \text{ cm}^3$

PE (m)
6 / 24 / 48 / 72

ALU-PROFILE
PROFILES
PROFILES



90x180 L



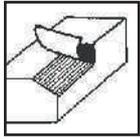
05.01910.00

- M = 10,34 kg/m
- $I_x = 1256,83 \text{ cm}^4$
- $W_x = 139,65 \text{ cm}^3$
- $I_y = 363,53 \text{ cm}^4$
- $W_y = 80,78 \text{ cm}^3$

PE (m)
 6 / 12 / 24 / 36

2

Technische Änderungen vorbehalten



PROFILBEARBEITUNG

PROFILE FINISHING

USINAGE DE PROFILES



1x 45x45	1x 45x60	2x 45x90	4x 45x180	1x 60x60	4x 90x90	8x 90x180
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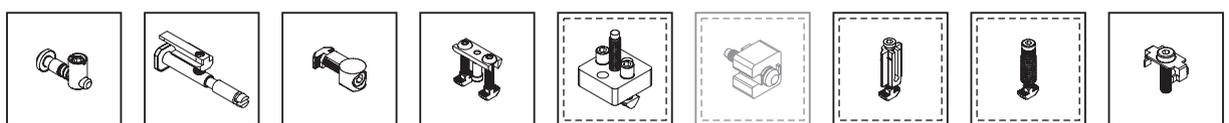
05.xxxxx.09	05.xxxxx.10	05.xxxxx.11	05.xxxxx.12	05.xxxxx.13
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45x45	45x60	45x90	45x180	60x60	90x90	90x180
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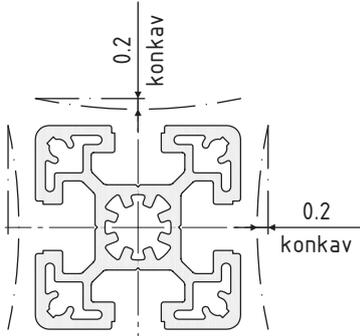
VSI 9.5 05.xxxxx.15 ■ 3.17	AGV 05.xxxxx.35 ■ 3.04
VSI 9.5 05.xxxxx.16	AGV 05.xxxxx.36
BV17 05.xxxxx.25 ■ 3.06	UNI 05.xxxxx.40 ■ 3.11
BV17 05.xxxxx.26	UNI 05.xxxxx.41
GV16 05.xxxxx.30 ■ 3.02	VSA 20 05.xxxxx.45 ■ 3.16
GV16 05.xxxxx.31	VSA 20 05.xxxxx.46

45x60	45x90
BV17V 05.xxxxx.85 ■ 3.06	UNI 05.xxxxx.43 ■ 3.11
BV17V 05.xxxxx.86	UNI 05.xxxxx.44

Technische Änderungen vorbehalten



Konkavität



45x45N-2.0

45x45MS-2.25

45x60N

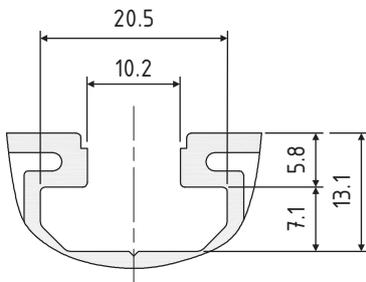


■ 2.65

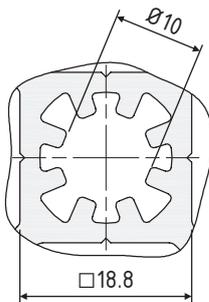
■ 2.65

■ 2.65

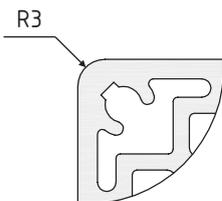
Nut

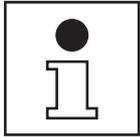


Kernloch

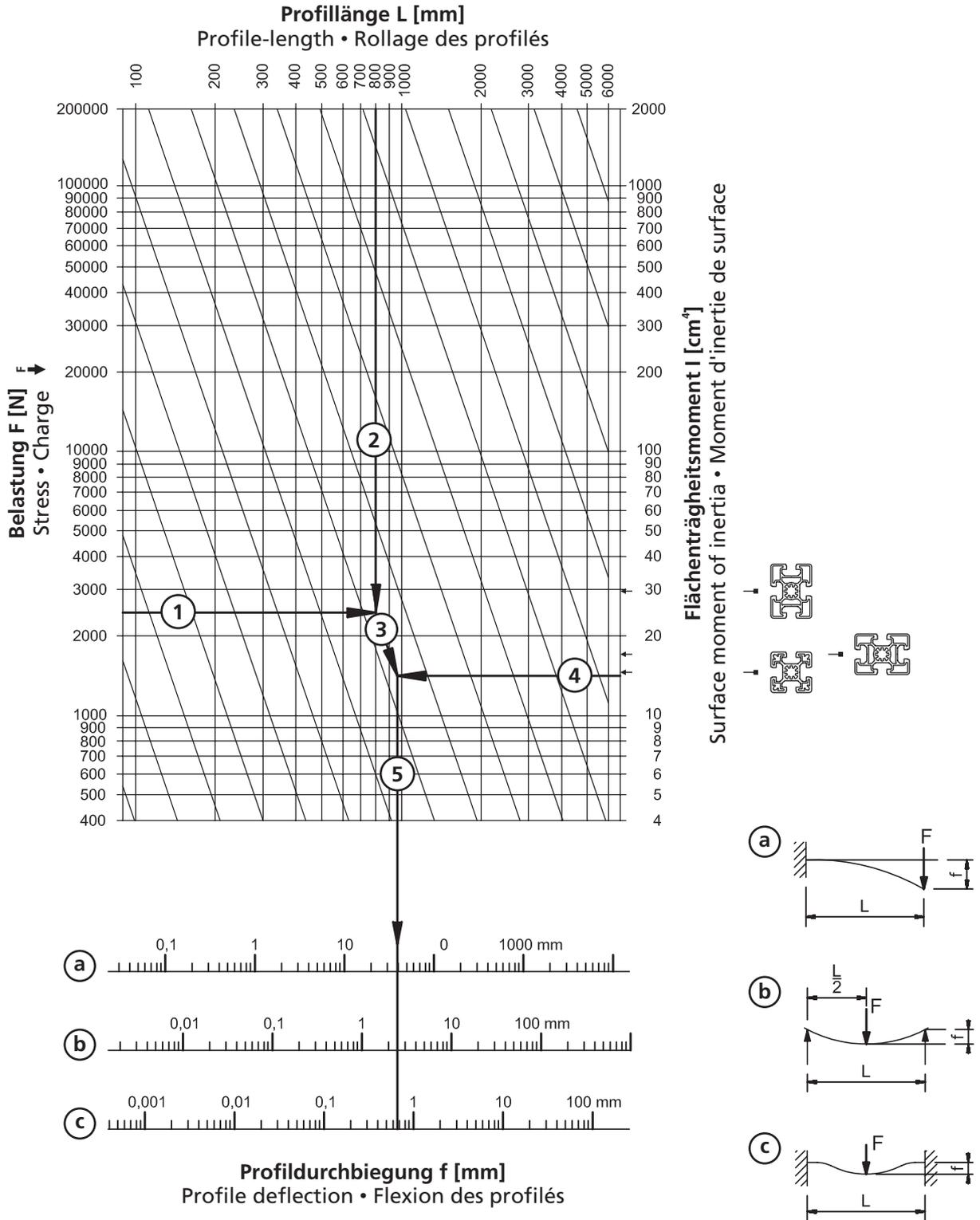


Außenkante





Durchbiegung der Profile
Profile deflection
Flexion des profilés

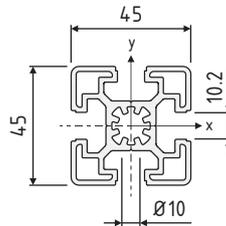
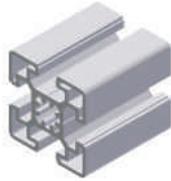


Technische Änderungen vorbehalten

ALU-PROFILE PROFILES PROFILES



45x45 N-2.0



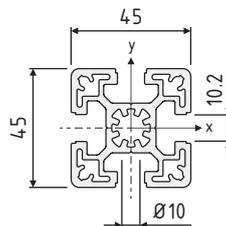
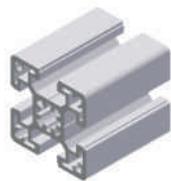
05.01498.00

$M = 2,00 \text{ kg/m}$
 $I_x = 13,03 \text{ cm}^4$
 $W_x = 5,79 \text{ cm}^3$
 $I_y = 13,03 \text{ cm}^4$
 $W_y = 5,79 \text{ cm}^3$

PE (m)
 6 / 48 / 96 / 144



45x45 MS-2.25

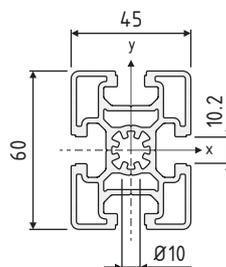
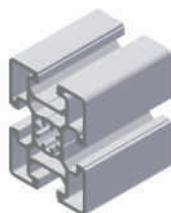


05.01009.00

$M = 2,25 \text{ kg/m}$
 $I_x = 15,92 \text{ cm}^4$
 $W_x = 7,08 \text{ cm}^3$
 $I_y = 15,92 \text{ cm}^4$
 $W_y = 7,08 \text{ cm}^3$

PE (m)
 6 / 48 / 96 / 144

45x60 N-2.85

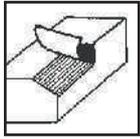


05.01499.00

$M = 2,85 \text{ kg/m}$
 $I_x = 29,98 \text{ cm}^4$
 $W_x = 9,99 \text{ cm}^3$
 $I_y = 17,83 \text{ cm}^4$
 $W_y = 7,92 \text{ cm}^3$

PE (m)
 6 / 24 / 48 / 72

Technische Änderungen vorbehalten



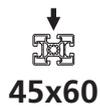
PROFILBEARBEITUNG

PROFILE FINISHING

USINAGE DE PROFILES

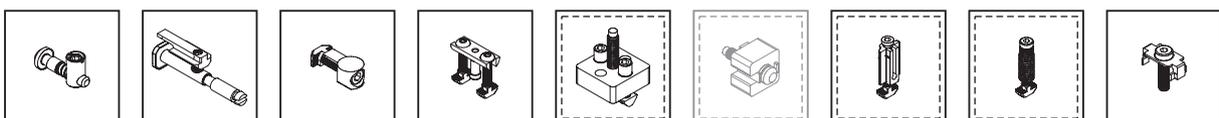


		05.xxxxx.09			
M12x60		05.xxxxx.10		M16x115	
M12x60		05.xxxxx.11	M12x60	M16x115	
				M16x115	

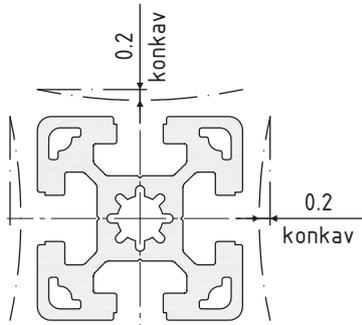


VSI 9.5		05.xxxxx.15	■ 3.17	AGV		05.xxxxx.35	■ 3.04
VSI 9.5		05.xxxxx.16		AGV		05.xxxxx.36	
BV17		05.xxxxx.25	■ 3.06	UNI		05.xxxxx.40	■ 3.11
BV17		05.xxxxx.26		UNI		05.xxxxx.41	
GV16		05.xxxxx.30	■ 3.02	VSA 20		05.xxxxx.45	■ 3.16
GV16		05.xxxxx.31		VSA 20		05.xxxxx.46	

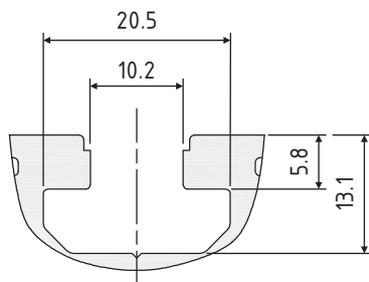
Technische Änderungen vorbehalten



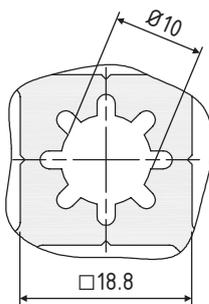
Konkavität



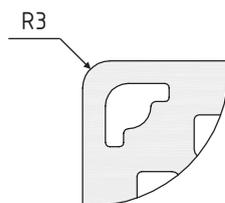
Nut



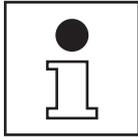
Kernloch



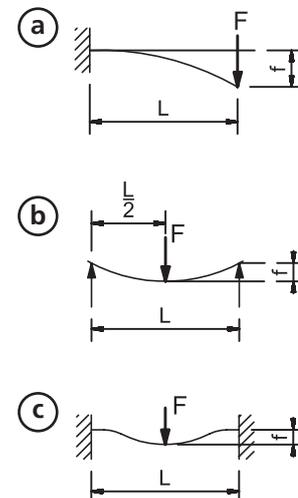
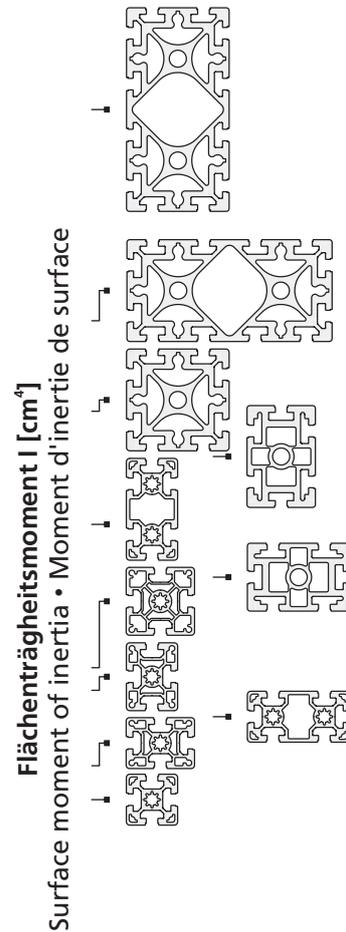
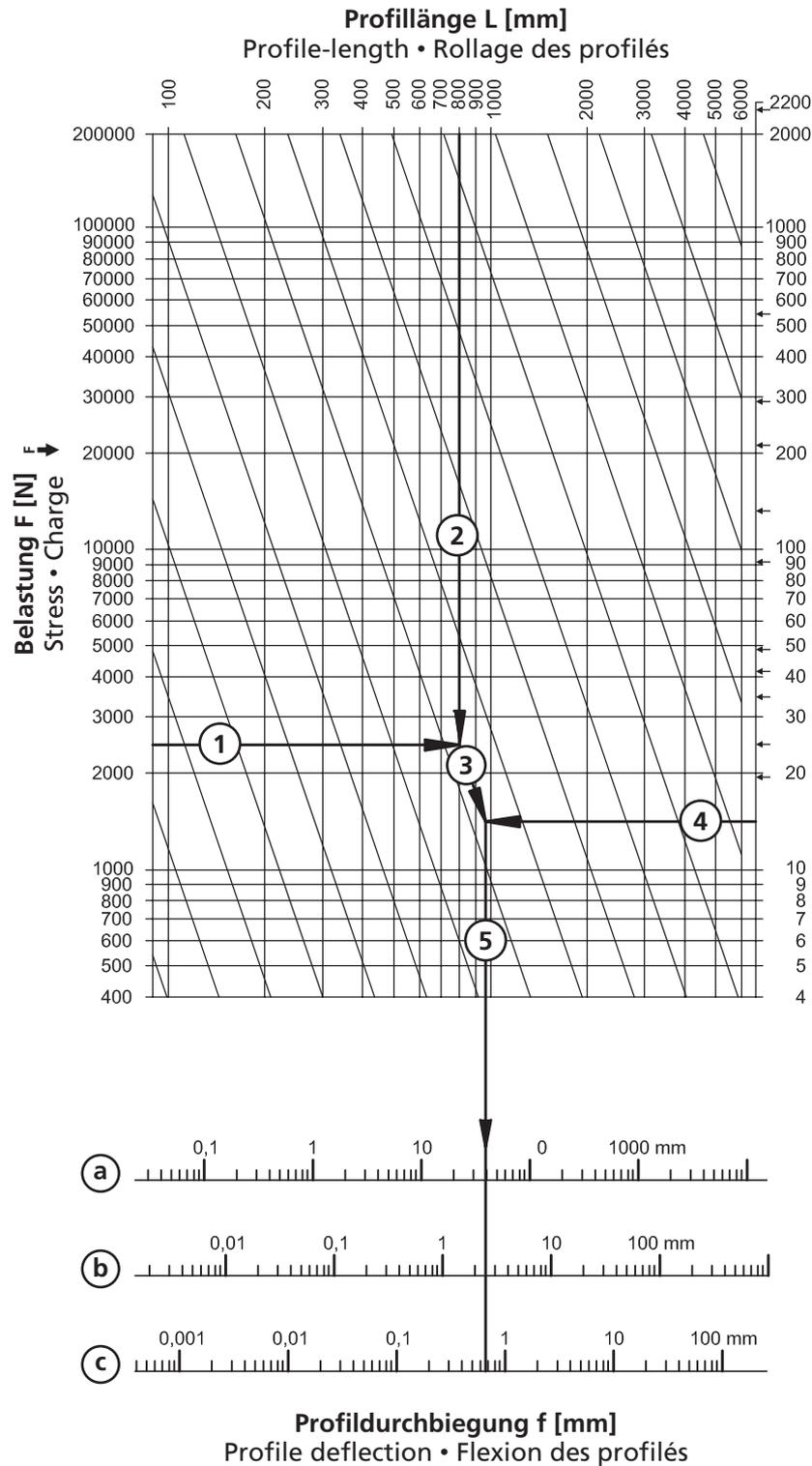
Außenkante



45x45S	45x60S	45x90S	
■ 2.69	■ 2.69	■ 2.69	
60x60S	60x90S	90x90S	90x180S
■ 2.70	■ 2.70	■ 2.70	■ 2.71

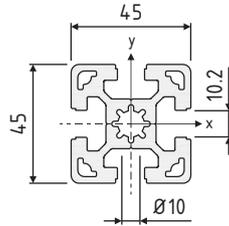
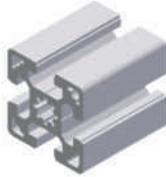


Durchbiegung der Profile
Profile deflection
Flexion des profilés



Technische Änderungen vorbehalten

45x45 S



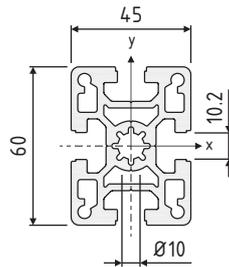
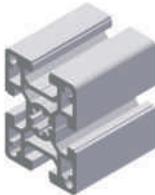
05.01010.00

M = 2,65 kg/m
 $I_x = 19,32 \text{ cm}^4$
 $W_x = 8,59 \text{ cm}^3$
 $I_y = 19,32 \text{ cm}^4$
 $W_y = 8,59 \text{ cm}^3$

PE (m)
 6 / 48 / 96 / 144



45x60 S

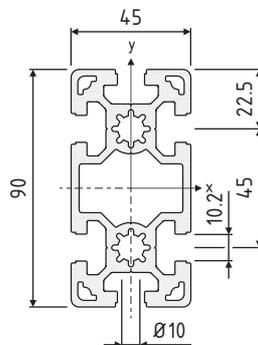
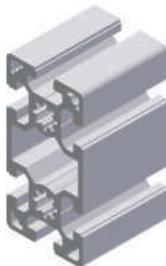


05.01011.00

M = 3,30 kg/m
 $I_x = 41,79 \text{ cm}^4$
 $W_x = 13,93 \text{ cm}^3$
 $I_y = 24,25 \text{ cm}^4$
 $W_y = 10,78 \text{ cm}^3$

PE (m)
 6 / 24 / 48 / 72

45x90 S



05.01015.00

M = 4,40 kg/m
 $I_x = 136,89 \text{ cm}^4$
 $W_x = 30,42 \text{ cm}^3$
 $I_y = 34,02 \text{ cm}^4$
 $W_y = 15,12 \text{ cm}^3$

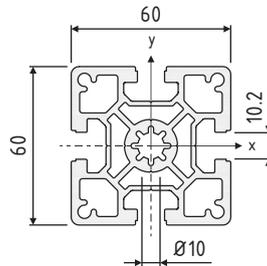
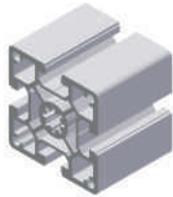
PE (m)
 6 / 24 / 48 / 72



ALU-PROFILE
PROFILES
PROFILES



60x60 S

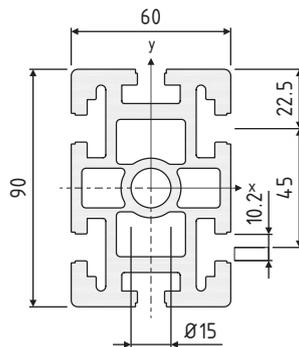
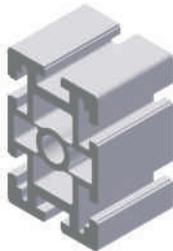


05.01017.00

M = 3,82 kg/m
 $I_x = 49,44 \text{ cm}^4$
 $W_x = 16,48 \text{ cm}^3$
 $I_y = 49,44 \text{ cm}^4$
 $W_y = 16,48 \text{ cm}^3$

PE (m)
 6 / 18 / 36 / 54

60x90 S

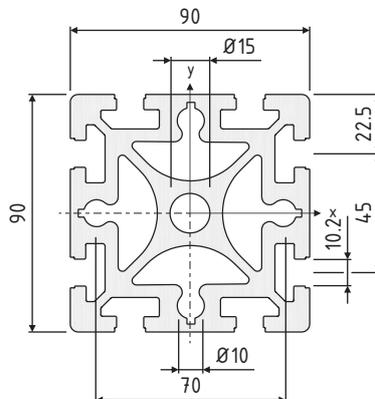
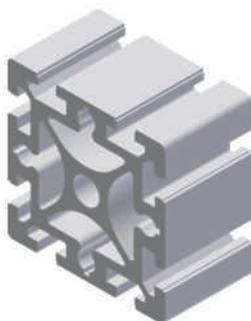


05.01016.00

M = 6,87 kg/m
 $I_x = 215,97 \text{ cm}^4$
 $W_x = 47,99 \text{ cm}^3$
 $I_y = 91,41 \text{ cm}^4$
 $W_y = 30,47 \text{ cm}^3$

PE (m)
 6 / 18 / 36 / 54

90x90 S



05.01018.00

M = 10,43 kg/m
 $I_x = 298,12 \text{ cm}^4$
 $W_x = 66,25 \text{ cm}^3$
 $I_y = 298,12 \text{ cm}^4$
 $W_y = 66,25 \text{ cm}^3$

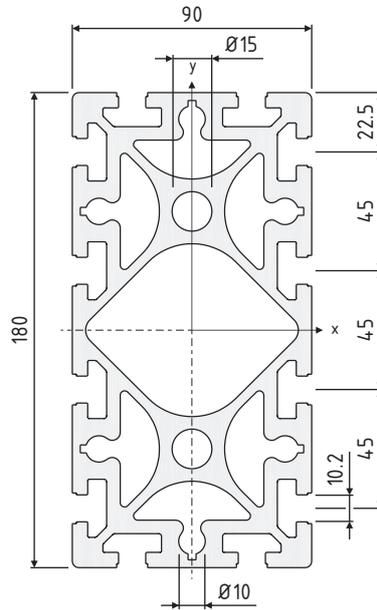
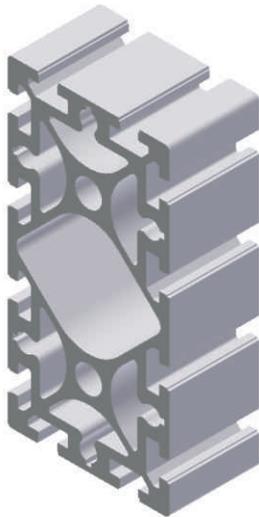
PE (m)
 6 / 24 / 48 / 72

Technische Änderungen vorbehalten

ALU-PROFILE
PROFILES
PROFILES



90x180 S

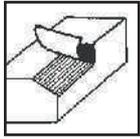


05.01019.00

- M = 17,57 kg/m
- $I_x = 2180,42 \text{ cm}^4$
- $W_x = 242,27 \text{ cm}^3$
- $I_y = 557,95 \text{ cm}^4$
- $W_y = 123,99 \text{ cm}^3$

PE (m)
 6 / 12 / 24 / 36

2



PROFILBEARBEITUNG

PROFILE FINISHING

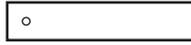
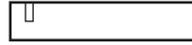
USINAGE DE PROFILES



 1x	 1x	 2x	 1x	 1x	 1x	 2x
45x45	45x60	45x90	60x60	60x90	90x90	90x180

	05.xxxxx.09		05.xxxxx.10		05.xxxxx.12
M12x60		M12x60		M16x115	
	05.xxxxx.11		05.xxxxx.13		
M12x60		M12x60		M16x115	

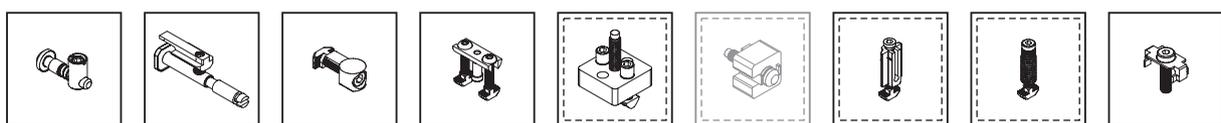
						
45x45	45x60	45x90	60x60	60x90	90x90	90x180

VSI 9.5 	05.xxxxx.15 ■ 3.17	AGV 	05.xxxxx.35 ■ 3.04
VSI 9.5 	05.xxxxx.16	AGV 	05.xxxxx.36
BV17 	05.xxxxx.25 ■ 3.06	UNI 	05.xxxxx.40 ■ 3.11
BV17 	05.xxxxx.26	UNI 	05.xxxxx.41
GV16 	05.xxxxx.30 ■ 3.02	VSA 20 	05.xxxxx.45 ■ 3.16
GV16 	05.xxxxx.31	VSA 20 	05.xxxxx.46

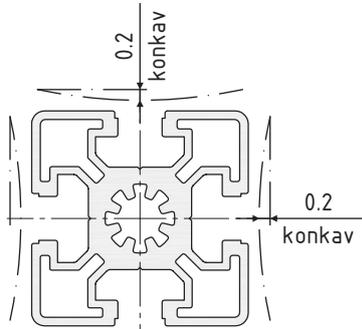
45x90

BV17V 	05.xxxxx.85 ■ 3.06	UNI 	05.xxxxx.43 ■ 3.11
BV17V 	05.xxxxx.86	UNI 	05.xxxxx.44

Technische Änderungen vorbehalten

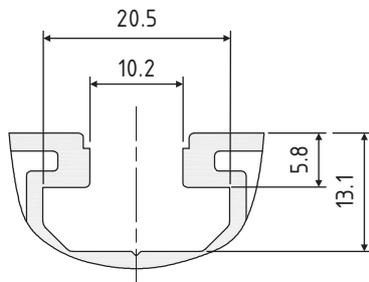


Konkavität

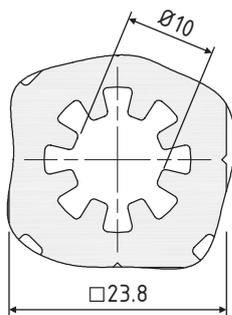


50x50L	50x100L	100x100L
■ 2.75	■ 2.75	■ 2.75

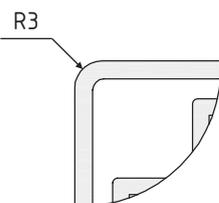
Nut



Kernloch

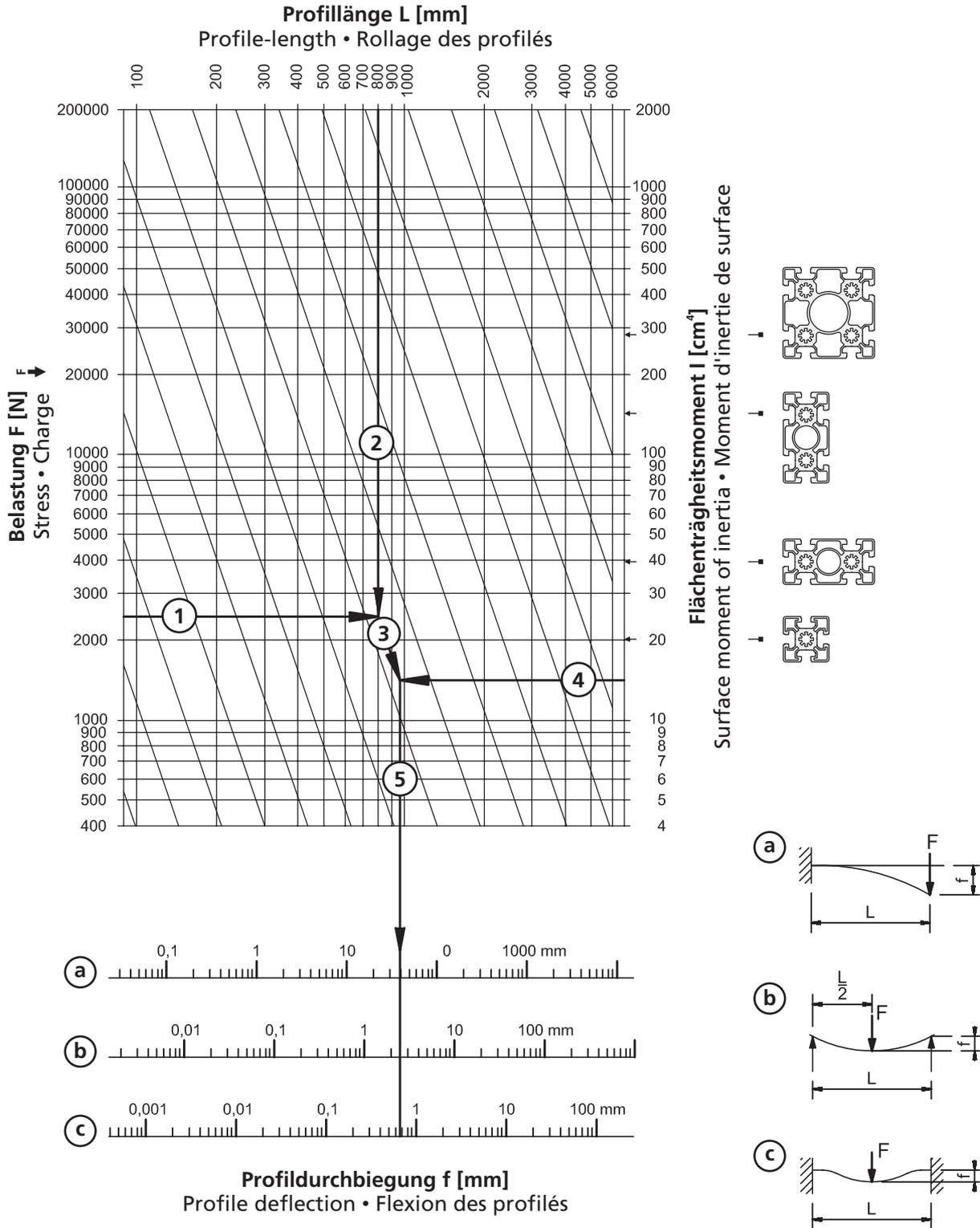


Außenkante





Durchbiegung der Profile
Profile deflection
Flexion des profilés

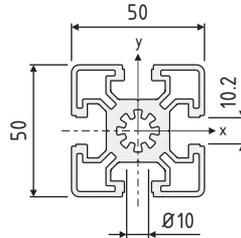
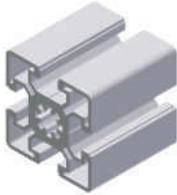


Technische Änderungen vorbehalten

ALU-PROFILE
PROFILES
PROFILES



50x50 L



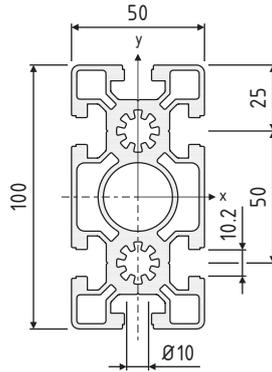
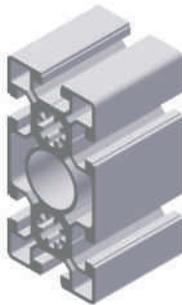
05.01700.00

M = 2,56 kg/m
 $I_x = 19,73 \text{ cm}^4$
 $W_x = 7,89 \text{ cm}^3$
 $I_y = 19,73 \text{ cm}^4$
 $W_y = 7,89 \text{ cm}^3$

PE (m)
 6 / 48 / 96 / 144



50x100 L

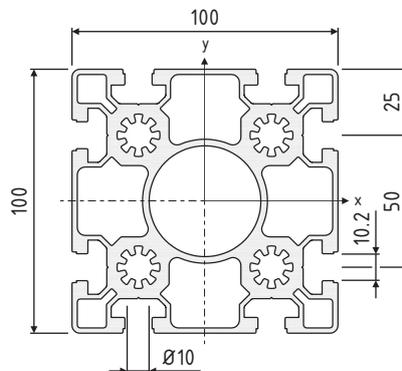
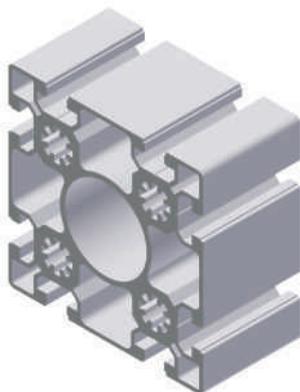


05.01702.00

M = 5,00 kg/m
 $I_x = 166,60 \text{ cm}^4$
 $W_x = 33,32 \text{ cm}^3$
 $I_y = 39,75 \text{ cm}^4$
 $W_y = 15,90 \text{ cm}^3$

PE (m)
 6 / 24 / 48 / 72

100x100 L

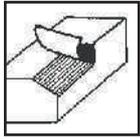


05.01703.00

M = 8,36 kg/m
 $I_x = 293,00 \text{ cm}^4$
 $W_x = 58,60 \text{ cm}^3$
 $I_y = 293,00 \text{ cm}^4$
 $W_y = 58,60 \text{ cm}^3$

PE (m)
 6 / 24 / 48 / 72

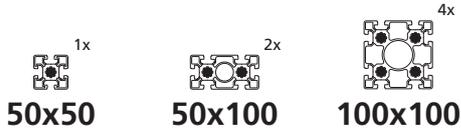
Technische Änderungen vorbehalten



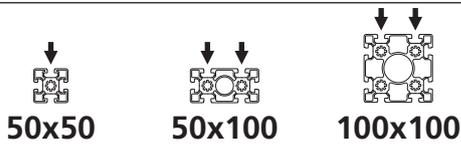
PROFILBEARBEITUNG

PROFILE FINISHING

USINAGE DE PROFILES



		05.xxxxx.09			
M12x60		05.xxxxx.10		M16x115	05.xxxxx.12
M12x60		05.xxxxx.11		M16x115	05.xxxxx.13

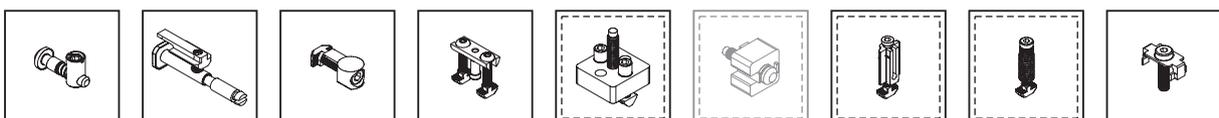


VSI 9.5		05.xxxxx.15	■ 3.17	AGV		05.xxxxx.35	■ 3.04
VSI 9.5		05.xxxxx.16		AGV		05.xxxxx.36	
BV17		05.xxxxx.25	■ 3.06	UNI		05.xxxxx.40	■ 3.11
BV17		05.xxxxx.26		UNI		05.xxxxx.41	
GV16		05.xxxxx.30	■ 3.02	VSA 20		05.xxxxx.45	■ 3.16
GV16		05.xxxxx.31		VSA 20		05.xxxxx.46	

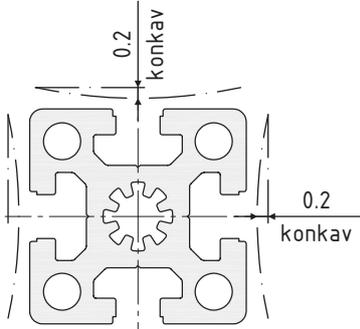


BV17V		05.xxxxx.85	■ 3.06	UNI		05.xxxxx.43	■ 3.11
BV17V		05.xxxxx.86		UNI		05.xxxxx.44	

Technische Änderungen vorbehalten



Konkavität



50x50S



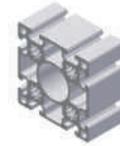
■ 2.79

50x100S



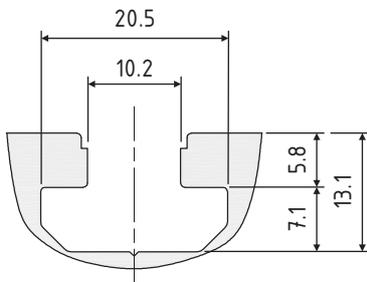
■ 2.79

100x100S

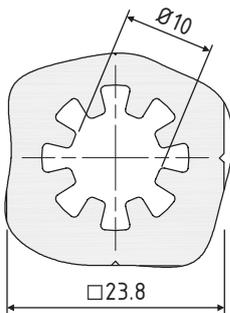


■ 2.79

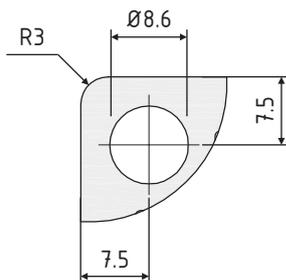
Nut



Kernloch

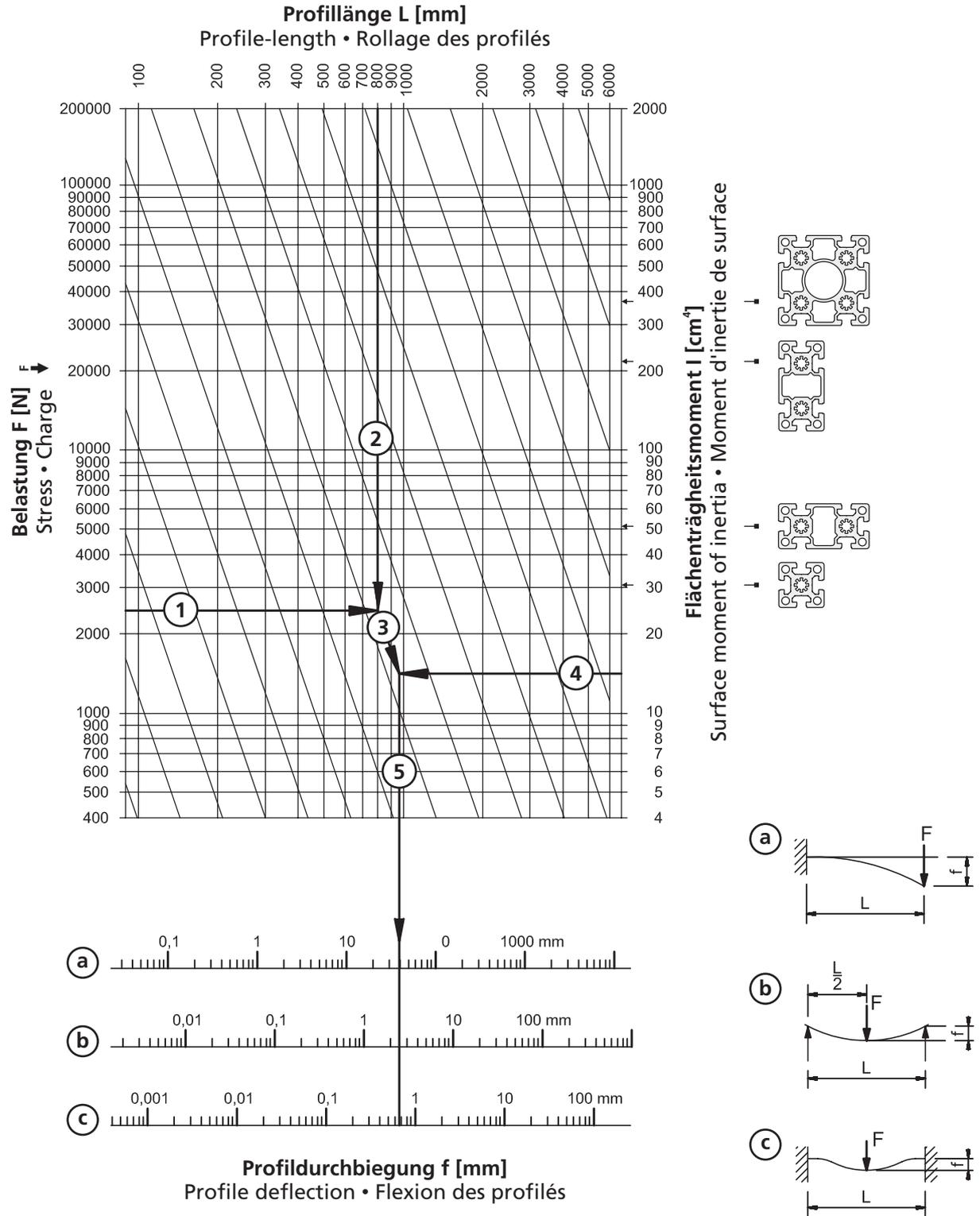


Außenkante

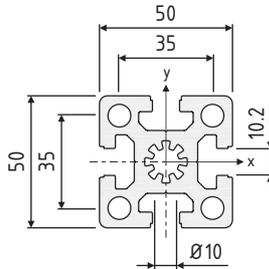




Durchbiegung der Profile
Profile deflection
Flexion des profilés



50x50 S

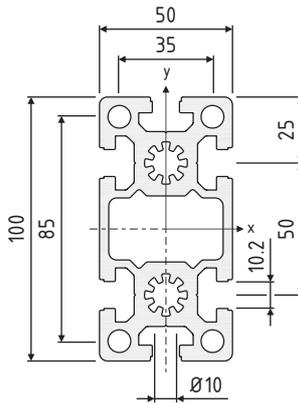
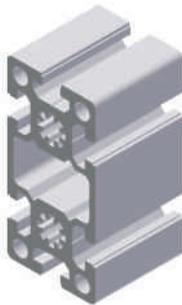


05.01705.00

M = 3,54 kg/m
 $I_x = 30,18 \text{ cm}^4$
 $W_x = 12,07 \text{ cm}^3$
 $I_y = 30,18 \text{ cm}^4$
 $W_y = 12,07 \text{ cm}^3$

PE (m)
 6 / 48 / 96 / 144

50x100 S

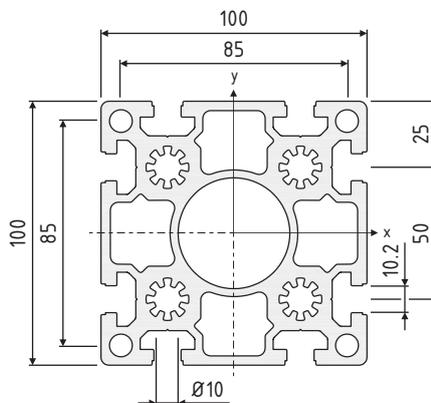
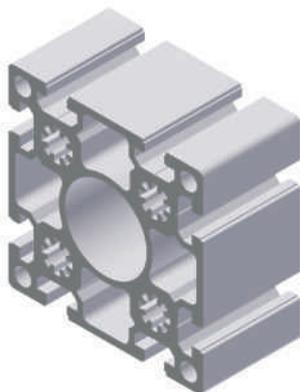


05.01706.00

M = 5,92 kg/m
 $I_x = 222,75 \text{ cm}^4$
 $W_x = 44,55 \text{ cm}^3$
 $I_y = 53,23 \text{ cm}^4$
 $W_y = 21,29 \text{ cm}^3$

PE (m)
 6 / 24 / 48 / 72

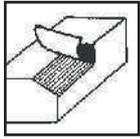
100x100 S



05.01707.00

M = 10,45 kg/m
 $I_x = 387,40 \text{ cm}^4$
 $W_x = 77,48 \text{ cm}^3$
 $I_y = 387,40 \text{ cm}^4$
 $W_y = 77,48 \text{ cm}^3$

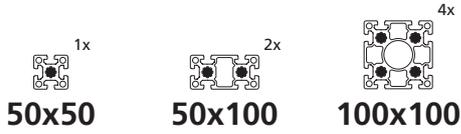
PE (m)
 6 / 24 / 48 / 72



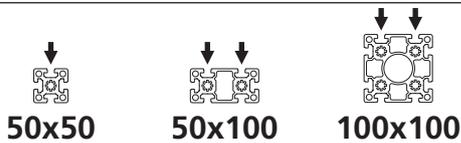
PROFILBEARBEITUNG

PROFILE FINISHING

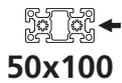
USINAGE DE PROFILES



		05.xxxxx.09			
M12x60		05.xxxxx.10		M16x115	
M12x60		05.xxxxx.11		M16x115	

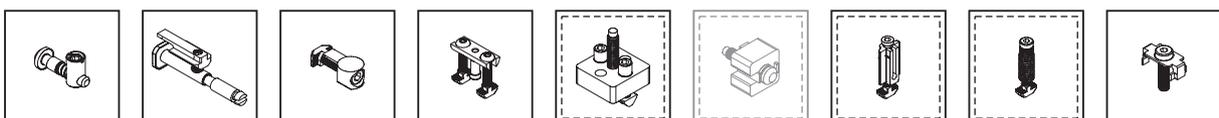


VSI 9.5		05.xxxxx.15 ■ 3.17	AGV		05.xxxxx.35 ■ 3.04
VSI 9.5		05.xxxxx.16	AGV		05.xxxxx.36
BV17		05.xxxxx.25 ■ 3.06	UNI		05.xxxxx.40 ■ 3.11
BV17		05.xxxxx.26	UNI		05.xxxxx.41
GV16		05.xxxxx.30 ■ 3.02	VSA 20		05.xxxxx.45 ■ 3.16
GV16		05.xxxxx.31	VSA 20		05.xxxxx.46



BV17V		05.xxxxx.85 ■ 3.06	UNI		05.xxxxx.43 ■ 3.11
BV17V		05.xxxxx.86	UNI		05.xxxxx.44

Technische Änderungen vorbehalten



ZUSATZ-PROFILE

ADDITIONAL PROFILES

PROFILES COMPLEMENTAIRES

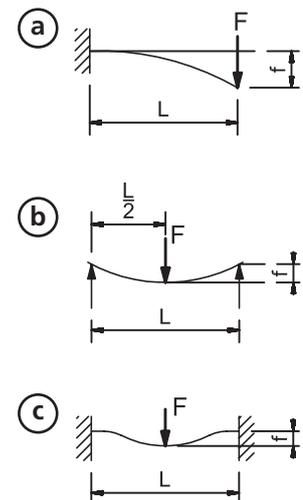
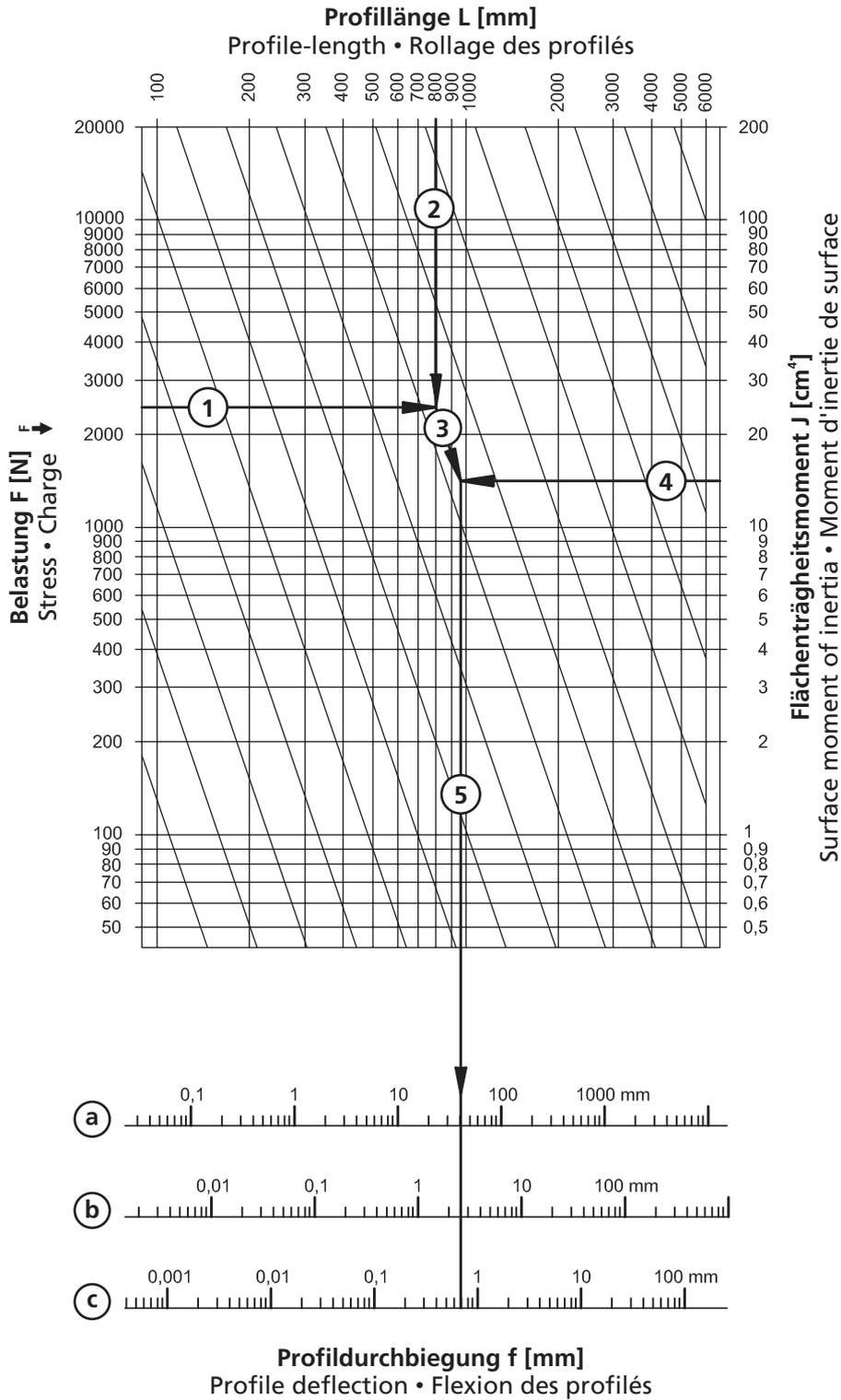


					
■ 2.83	■ 2.83	■ 2.84	■ 2.84	■ 2.84	
					
➔ ■ 8.10	➔ ■ 8.36	➔ ■ 8.15	➔ ■ 8.29	➔ ■ 8.29	➔ ■ 8.30
					
➔ ■ 9.06	➔ ■ 9.06	➔ ■ 9.06	➔ ■ 9.07	➔ ■ 9.07	➔ ■ 9.07
					
➔ ■ 11.05	➔ ■ 11.05	➔ ■ 11.05	➔ ■ 11.15	➔ ■ 11.20	
					
➔ ■ 12.02	➔ ■ 12.05	➔ ■ 12.05	➔ ■ 12.05	➔ ■ 12.07	➔ ■ 7.07
					
➔ ■ 13.02	➔ ■ 13.13	➔ ■ 13.13	➔ ■ 13.15		

Technische Änderungen vorbehalten



Durchbiegung der Profile
Profile deflection
Flexion des profilés

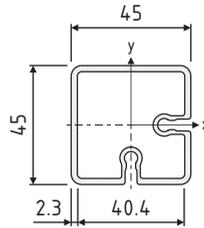
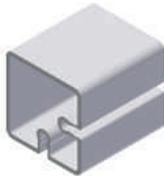


Technische Änderungen vorbehalten

TELESKOPPROFILE
TELESCOPE PROFILES
PROFILES TELESCOPIQUES



40/45

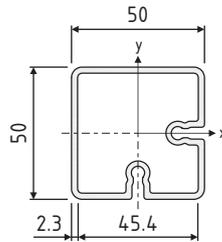
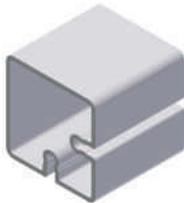


05.01946.00

M = 1,20 kg/m
 $I_x = 11,80 \text{ cm}^4$
 $W_x = 5,24 \text{ cm}^3$
 $I_y = 11,80 \text{ cm}^4$
 $W_y = 5,24 \text{ cm}^3$
 PE (m)
 6 / 48 / 96



45/50



05.01947.00

M = 1,40 kg/m
 $I_x = 17,07 \text{ cm}^4$
 $W_x = 7,59 \text{ cm}^3$
 $I_y = 17,07 \text{ cm}^4$
 $W_y = 7,59 \text{ cm}^3$
 PE (m)
 6 / 48 / 96

A

M8 L=65mm
05.01971.00

40 1x **05.01652.00**

45 1x **05.01064.00**

B

M8 x 14
05.01436.00

40 1x **05.01652.00**

45 1x **05.01064.00**

Technische Änderungen vorbehalten



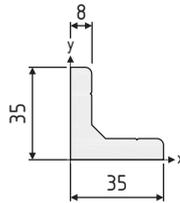
WINKELPROFILE

ANGLE PROFILES

PROFILES D'EQUERRE



35x35

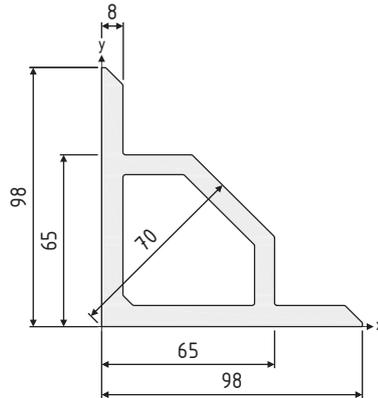
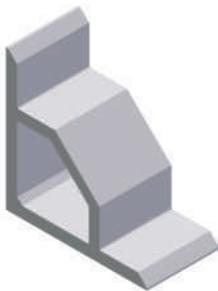


05.01150.00

M = 1,37 kg/m
 $I_x = 11,84 \text{ cm}^4$
 $W_x = 6,77 \text{ cm}^3$
 $I_y = 11,84 \text{ cm}^4$
 $W_y = 6,77 \text{ cm}^3$

PE (m)
 6 / 48 / 96

98x98

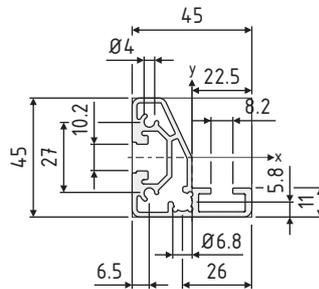


05.01154.00

M = 5,78 kg/m
 $I_x = 380,13 \text{ cm}^4$
 $W_x = 77,58 \text{ cm}^3$
 $I_y = 380,13 \text{ cm}^4$
 $W_y = 77,58 \text{ cm}^3$

PE (m)
 6 / 24 / 48

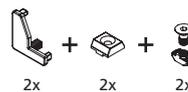
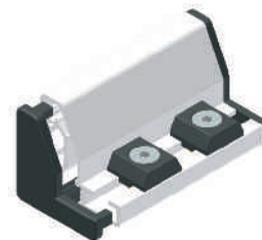
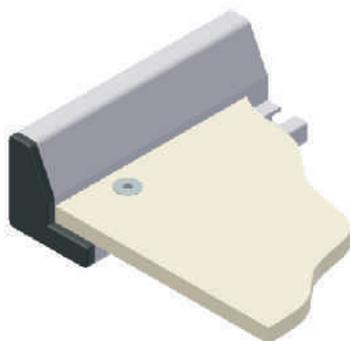
45x45



05.01034.00

M = 1,19 kg/m
 $I_x = 9,74 \text{ cm}^4$
 $W_x = 4,33 \text{ cm}^3$
 $I_y = 9,28 \text{ cm}^4$
 $W_y = 4,13 \text{ cm}^3$

PE (m)
 6 / 48 / 96



05.01478.00

Technische Änderungen vorbehalten

VERBINDER CONNECTION JUNCTION



■ 3.02



■ 3.04



■ 3.05



■ 3.06



■ 3.08



■ 3.10



■ 3.11



■ 3.12



■ 3.13



■ 3.14



■ 3.15



■ 3.16



■ 3.18



■ 3.20



■ 3.22



■ 3.23



■ 3.24



■ 3.28



■ 3.29



■ 3.30



■ 3.30



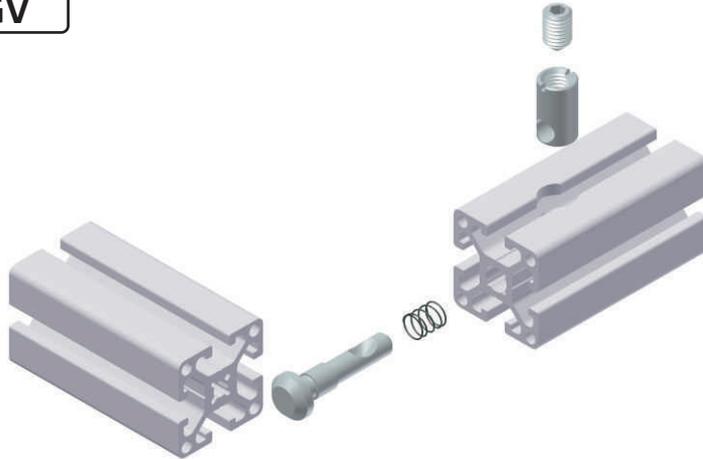
GRUNDVERBINDER

BASE CONNECTOR

JONCTION DE BASE



GV



Bestehend aus:
 Hammerbolzen St, vz.
 Hülse St, vz.
 Feder
 Gewindestift

Consisting of:
 Hammerhead bolt St, galv.
 Sleeve St, galv.
 Spring
 Setscrew

Comprenant:
 Pièce d'ancrage Ac, zing.
 Barillet GV Ac, zing.
 Ressort
 Vis pointeau

Innovative Vorteile

- Einfache und schnelle Montage
- Ringschneiden an Verbinderkopf (GV-0)
- Elektrisch leitfähige Verbindung
- Hohe Vielfalt der Verbinderfamilie
- Als Außen- und Innenverbindung einsetzbar.

Innovative advantages

- Easy and fast fitting
- Cutting edge on connector head (GV-0)
- Electrical conductive connector
- Highly versatile connector family
- Can be used as inner-fitting and outerfitting connector

Atouts novateurs

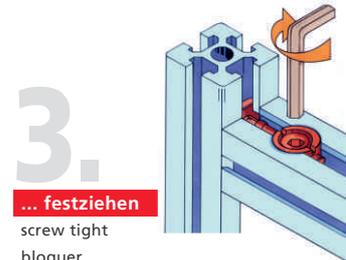
- Montage rapide et simple
- Empreinte anti-glissement (GV-0)
- Assemblage conducteur
- Positionnement réglable et universel
- Etude simplifiée



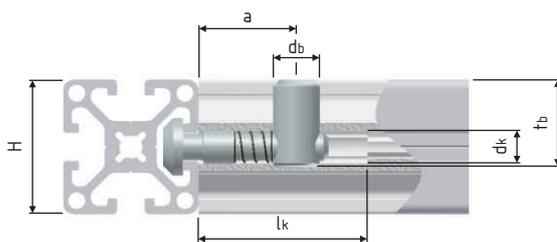
1. ... einsetzen
 insert
 insérer



2. ... einfädeln
 position
 glisser



3. ... festziehen
 screw tight
 bloquer



Innenliegende Verbindung
 Inner-fitting connector
 Positionnement interne

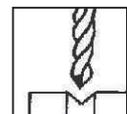


Außenliegende Verbindung
 Outer-fitting connector
 Positionnement externe

H	d _b	d _k	a	t _b	l _k
	Ø10,5	(Ø 6,8)	18	22	-
	Ø14,2	(Ø10,2)	29	20,5	-
	Ø14,2	Ø10,2 *	29	26	45
	Ø14,2	(Ø10,2)	29	26	-
	Ø16,2	(Ø10,2)	29	30	-
	Ø16,2	(Ø10,2)	29	32,5	-

* = Aufbohren des Kernlochs mit dk

➔ ■ 14.01



GRUNDVERBINDER

BASE CONNECTOR

JONCTION DE BASE



GV-0



	28Nm	05.02150.00
	30Nm	05.01596.00
	33Nm	05.01351.00
	38Nm	05.01352.00
	38Nm	05.01270.00

GV-01



	30Nm	05.01597.00
	33Nm	05.01110.00
	38Nm	05.01112.00
	38Nm	05.01271.00

GV-02



	30Nm	05.01598.00
	33Nm	05.01111.00
	38Nm	05.01113.00
	38Nm	05.01272.00

GS-01



	10Nm	05.02243.00
	12Nm	05.01353.00
	15Nm	05.01357.00
	13Nm	05.01357.50

GS-02



	10Nm	05.02244.00
	12Nm	05.01354.00
	15Nm	05.01358.00
	13Nm	05.01361.00

GGV-01



	10Nm	05.02245.00
	12Nm	05.01585.00
	15Nm	05.01553.00
	13Nm	05.01557.00

GGV-02



	10Nm	05.02246.00
	12Nm	05.01586.00
	15Nm	05.01554.00
	13Nm	05.01555.00

GST



	30Nm	05.02247.00
	33Nm	05.01355.00
	38Nm	05.01359.00
	38Nm	05.01359.50

GSR



	30Nm	05.02248.00
	33Nm	05.01356.00
	38Nm	05.01360.00
	38Nm	05.01360.50

GVP



	30Nm	05.02249.00
	33Nm	05.01445.00
	38Nm	05.01556.00
	38Nm	05.01556.50



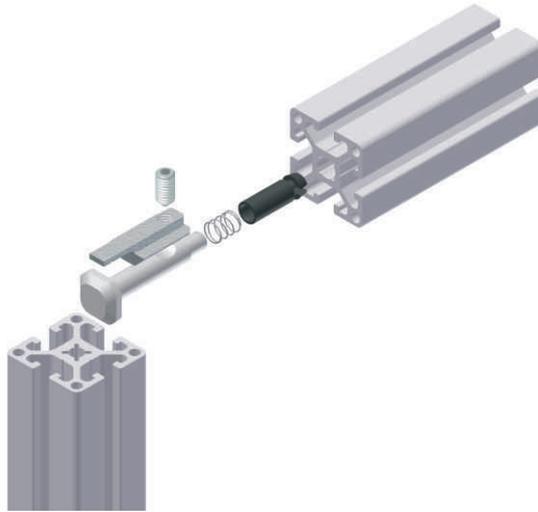
AUTOMATIK-GV

AUTOMATIC - BC (BASIC CONNECTOR)

GV AUTOMATIQUE



AGV



Bestehend aus:
 AGV-Stein GD-Zn
 Druckfeder PA
 Federhülse PA
 Hammerbolzen St, vz.
 Gewindestift

Consisting of:
 AGV block GD-Zn
 Compression spring PA
 Spring sleeve PA
 Hammerhead bolts St, galv.
 Setscrew

Comprenant:
 Pièce d'ancrage AGV GD-Zn
 Ressort PA
 Manchon sur ressort PA
 Coulisseau AGV Ac, zing.
 Vis pointeau

Innovative Vorteile

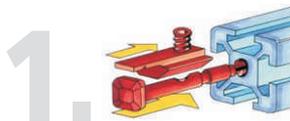
- Sehr einfache und schnelle Montage
- Automatische Zentrierung
- Geringe Profilbearbeitung
- Verdrehgesichert durch Kopfform
- Ringschneide an Verbinderkopf
- Elektrische Leitfähigkeit
- Positionsgerechte, automatische Fügstellung

Innovative advantages

- Quick and easy to fit
- Automatic centring
- Minimum work on profile
- Head design prevents twisting
- Cutting edge on connector head
- Electrically conductive
- Automatic correct joint positioning

Atouts novateurs

- Montage très simple et rapide
- Auto-positionnement de l'ancrage
- Usinage minime du profilé
- Anti-rotation du profilé
- Empreinte anti-glissement
- Assemblage conducteur
- Autocentrage



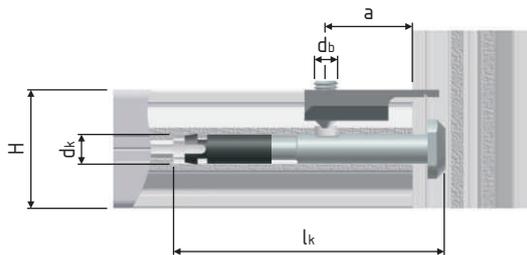
1. ... einschieben
 push in
 insérer



2. ... platzieren
 position
 positioner



3. ... festziehen
 screw tight
 bloquer

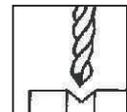


H	d _b	d _k	a	l _k	Nm
30 8E	Ø7,6	(Ø6,8)	18	-	10
10K 30 8K	Ø7,6	(Ø10,2)	30	-	12
40 8	Ø7,6	Ø10*	30	80	15
10K 40 8	Ø7,6	(Ø10,2)	30	-	15
45 10	Ø9,6	(Ø10,2)	30	-	25

30 8E	05.01780.00
10K 30 8K	05.02242.00
40 10K 40 8	05.01781.10
45 10	05.01782.10

* = Aufbohren des Kernlochs mit d_k

➔ ■ 14.01



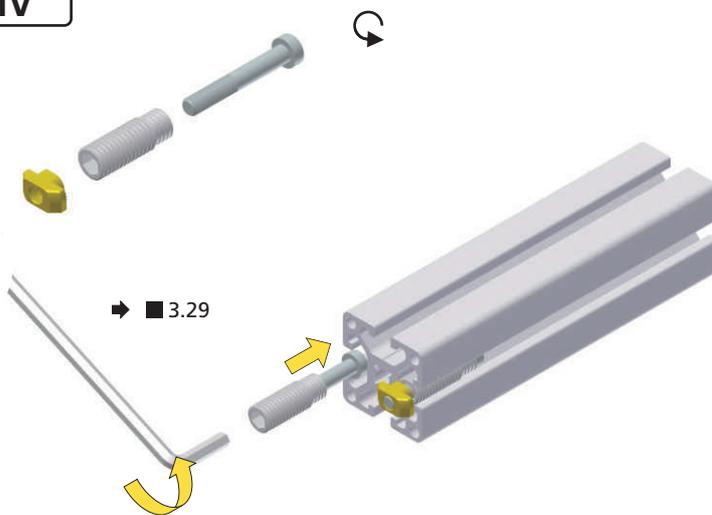
HÜLSENVERBINDER

SLEEVE CONNECTORS

FIXATION - HV



HV



Bestehend aus:
Hülse, SF St, vz.
ISO-Schraube St, vz.
Hammermutter St, vz.

Consisting of:
Sleeve, SF St, galv.
ISO screw St, galv.
Hammer nut St, galv.

Comprenant:
Douilles-insert Ac, zing.
Vis ISO Ac, zing.
Ecrrou de rainure Ac, zing.

3

Innovative Vorteile

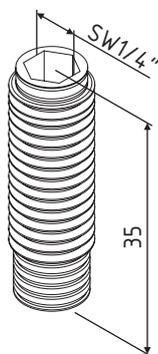
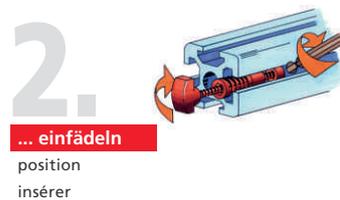
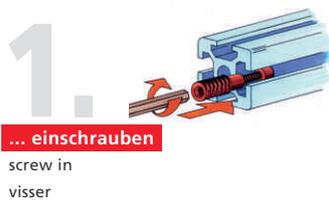
- Hülse selbstzentrierend durch langen Zentrierschaft
- Keine Profilbearbeitung
- Leichtes Eindrehen der Hülse durch Selbstfurchende Gewindeform "FM-Spezial" und Gleit-Mo-Beschichtung
- Hohe Verbindungsfestigkeit
- Stabile, verdrehgesicherte Verbindung
- Elektrische Leitfähigkeit

Innovative advantages

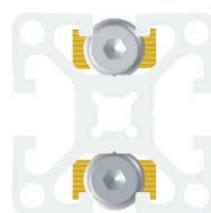
- Sleeve self-centring with long centring shaft
- No work on profiles
- Self-tapping thread "FM-Spezial" and Gleit-Mo coating make it easier to screw in sleeves
- High connecting strength
- Sturdy, non-twisting connection
- Electrically conductive

Atouts novateurs

- Insert autocentreur
- Aucun usinage du profilé
- Vissage facile par insert autotaraudeur "FM-Spezial" et enduction GleitMo
- Stabilité impeccable
- Antirotation du profilé
- Assemblage conducteur



18 Nm	 	05.02127.00
22 Nm	 	05.02128.00
25 Nm	 	05.02129.00



Hülsenverbinder müssen grundsätzlich **PAARWEISE** eingesetzt werden.

Sleeve connectors must be used in **PAIRS**

Utilisation impérative par **PAIRE**

Technische Änderungen vorbehalten



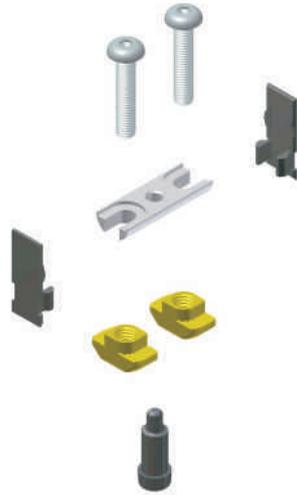
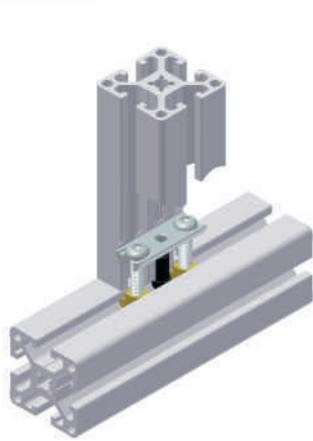
BOLZENVERBINDER

BOLT CONNECTOR

JONCTION A BOULONS



BV



- Bestehend aus:
- Bolzen St, vz.
 - ISO-Schrauben
 - Hammermuttern
 - Fixierbolzen PA
 - Abdeckkappen
- Consisting of:
- Bolts St, galv.
 - ISO screws
 - Hammer nuts
 - Fastening bolts PA
 - Caps
- Comprenant:
- Ancrage demi-lune Ac, zing.
 - Vis ISO
 - Ecrou de rainure
 - Centreur PA
 - Capuchon

Innovative Vorteile

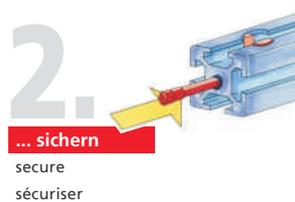
- Sehr hohe Verbindungs- und Verdrehfestigkeit
- Selbstzentrierend durch Zentrierzapfen
- Beidseitig gleichmäßiger Anzug über Hammermuttern
- Leitfähige Verbindung durch Riefen an Hammermutter

Innovative advantages

- High connecting strength and twist resistance
- Centring pin for self-centring
- Even tightening on both sides with hammer nuts
- Ribbing on hammer nuts for conductive connection

Atouts novateurs

- Stabilité et blocage impeccables
- Autocentrage par pion axial
- Serrage bilatéral uniforme par vis et écrou de rainure
- Assemblage conducteur



Ausführung

- A** Stahl, verzinkt
Zugfestigkeit ca. 550N/mm²
- B** Zinkdruckguss
Zugfestigkeit ca. 300N/mm²

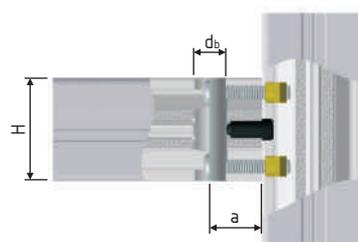
Design

- A** Galvanized steel, high tensile strength 550N/mm²
- B** Zinc diecast, high tensile strength 300N/mm²

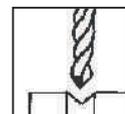
Matières

- A** Acier zingué,
Résistance 550N/mm²
- B** Zamak,
Résistance 300N/mm²

H	d _s	a	Nm
30	Ø11,2	18	6
30	Ø11,2	18	6
40	Ø14,2	20	22
45	Ø17,2	22,5	25
50	Ø17,2	22,5	25



➔ ■ 14.01



Technische Änderungen vorbehalten

BOLZENVERBINDER

BOLT CONNECTOR

JONCTION A BOULONS



8E

8

10

BV Ø11 L=30



30

B

05.02100.01

30

B

05.02100.51

BV Ø11 L=60



30

B

05.02241.01

30

B

05.02241.51

BV Ø14 L=40



40

B

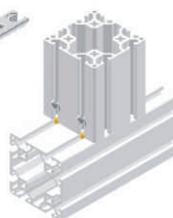
05.02101.01

40

B

05.02101.51

BV Ø14 L=80



40

B

05.02102.01

40

B

05.02102.51

BV Ø17 L=45



45

A

05.01282.01

B

05.02103.01

BV Ø17 L=60



60

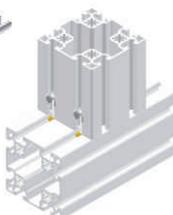
A

05.01283.01

B

05.02104.01

BV Ø17 L=90



45

A

05.01284.01

B

05.02105.01

Artikel auf dieser Seite:
PE (St.) = 10

BV Ø17 L=50

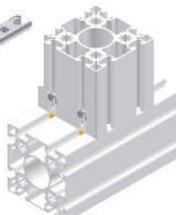


50

A

05.01678.01

BV Ø17 L=100



50

A

05.01679.01

Technische Änderungen vorbehalten



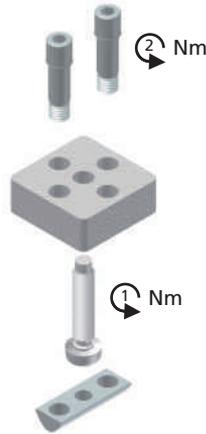
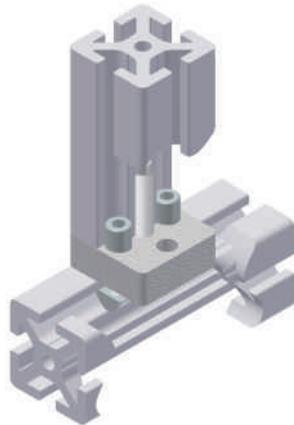
PLATTENVERBINDER

PLATE CONNECTOR

FIXATION PV



PV



- Bestehend aus:
- | | |
|--------------|---------|
| Platte | GD-Zn |
| Passschraube | St, vz. |
| FM-Schraube | |
| Nutenstein | |
- Consisting of:
- | | |
|---------------|-----------|
| Plate | GD-Zn |
| Set screw | St, galv. |
| FM screw | |
| Sliding block | |
- Comprenant:
- | | |
|-----------------------|-----------|
| Platine | GD-Zn |
| Vis épaulée | Ac, zing. |
| Vis FM autotaraudeuse | |
| Barrette écrou | |

Innovative Vorteile

- Einfaches Verbinden ohne Profilbearbeitung
- Leichtes Eindrehen durch selbst-furchende Verbinderschraube mit "Spiralform Plus"
- Exakte und automatische Zentrierung
- Schnelle Montage durch vormontierte Einheit
- Leitfähige Verbindung

Innovative advantages

- Easy connection without work on profile
- Self-tapping connector screw with "Spiralform plus" for easy screwing in
- Exact and automatic centring
- Pre-assembled unit for quick fitting
- Conductive connection

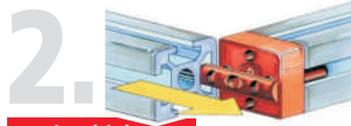
Atouts novateurs

- Fixation aisée - aucune opération d'usinage
- Vissage facile par vis autotaraudeuse
- Autocentrage automatique
- Assemblage conducteur
- Compatibilité avec tous profilés et rainures existants



1. ... eindrehen

screw in
visser



2. ... einschieben

push in
insérer



3. ... festschrauben

tighten
bloquer

Ausführung

- A** Zinkdruckguß
Zugfestigkeit ca. 300N/mm²
- B** RAL 9006

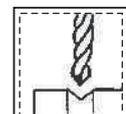
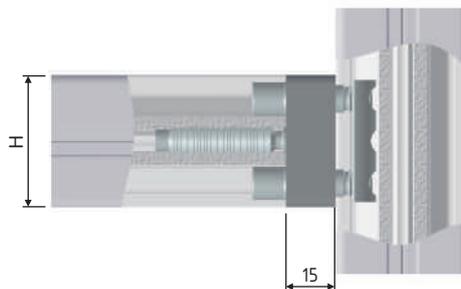
Design

- A** Diecast zinc
Tensile strenght
ca. 300N/mm²
- B** RAL 9006

Matières

- A** Zamak
Résistance à la traction
ca. 300N/mm²
- B** RAL 9006

H	① Nm	② Nm
40	25	22
45	35	26
50	35	26



Technische Änderungen vorbehalten

PLATTENVERBINDER

PLATE CONNECTOR

FIXATION PV

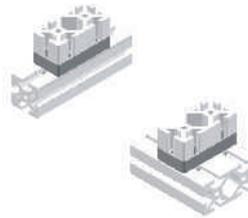


40x40



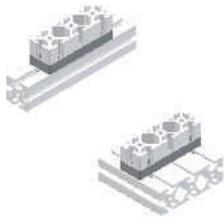
	A	05.01760.00
	B	05.01760.20

40x80



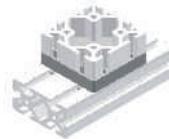
	A	05.01762.00
	B	05.01762.20
	A	05.01762.02
	B	05.01762.22

40x120



	A	05.01689.00
	B	05.01689.20
	A	05.01689.02
	B	05.01689.22

80x80



	A	05.01764.00
	B	05.01764.20

45x45



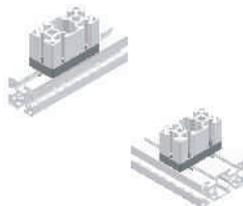
	A	05.01766.00
	B	05.01766.20

45x60



	A	05.01699.00
	B	05.01699.20
	A	05.01768.00
	B	05.01768.20

45x90



	A	05.01769.00
	B	05.01769.20
	A	05.01769.02
	B	05.01769.22

60x60



	A	05.01770.00
	B	05.01770.20

90x90



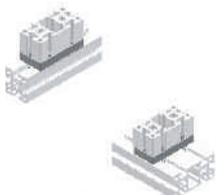
	A	05.01772.00
	B	05.01772.20

50x50



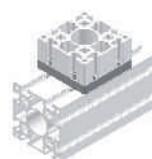
	A	05.01680.00
	B	05.01680.20

50x100



	A	05.01682.00
	B	05.01682.20
	A	05.01682.02
	B	05.01682.22

100x100



	A	05.01683.00
	B	05.01683.20

3

Technische Änderungen vorbehalten



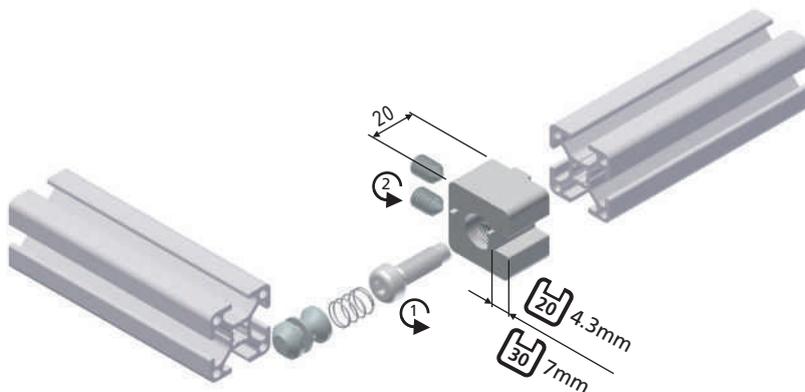
END-VERBINDER

END CONNECTOR

NOIX TERMINALE - END



END



Bestehend aus:	
Grundkörper	GD-Zn
FM-Schraube	St, vz.
Feder	
Gewindestift	
Bolzen	
Consisting of:	
Basic unit	GD-Zn
FM screw	St, galv.
Spring	
Set screw	
Bolts	
Comprenant:	
Noix	GD-Zn
Vis FM autotaraudeuse	
Ressort	Ac, zing.
Pion de guidage	
Vis pointeau	

Innovative Vorteile

- Einfaches Verbinden ohne Profilbearbeitung
- Leichtes eindrehen durch Selbstfurchende Schraube
- Aufnahme von Flächenelementen

Innovative advantages

- Easy to connect without work on profile
- Easy to screw in self-tapping connecting screw
- Attachment of panel elements

Atouts novateurs

- Fixation aisée - aucun usinage
- Vissage facile par vis autotaraudeuse
- Adaptation de panneaux de remplissage

Ausführung

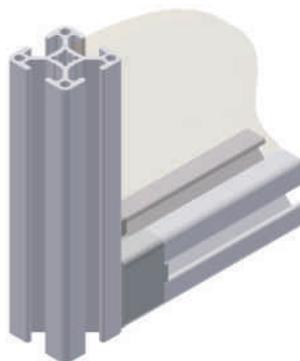
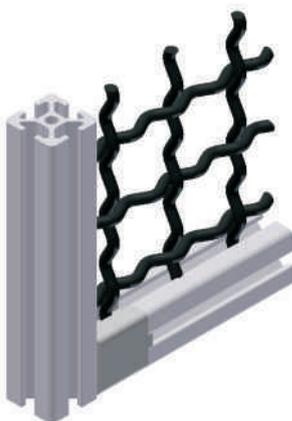
- A** GD-Zn, natur
- B** GD-Zn, RAL 9006

Design

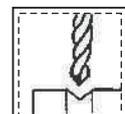
- A** Zinc diecast (GD-Zn), natural
- B** Zinc diecast (GD-Zn), RAL 9006

Matières

- A** Zamak, nature
- B** Zamak, RAL 9006



		A	05.01640.00
		B	05.01642.00
			15 Nm
			15 Nm
		A	05.01641.00
		B	05.01643.00
			25 Nm
			18 Nm



Technische Änderungen vorbehalten

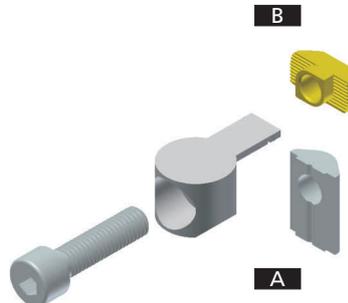
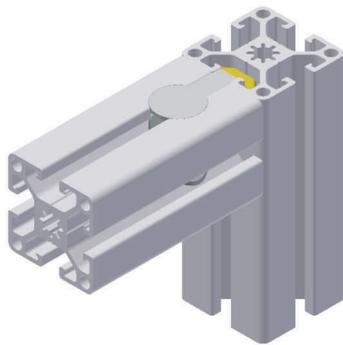
UNI-VERBINDER

UNI CONNECTOR

FIXATION UNI



UNI



Bestehend aus:
UNI-Verbinderstück GD-Zn
ISO-Schraube St, vz.
Hammermutter oder
Nutenstein

Consisting of:
UNI connector GD-Zn
ISO screw St, galv.
Hammer nuts or
Sliding block

Comprenant:
Barillet UNI GD-Zn
Vis ISO Ac, zing.
Ecroû de rainure ou
Barrette écrou

3

Innovative Vorteile

- Für alle Profilmuten einsetzbar
- Nachträglicher Einbau
- Verdrehgesicherte Verbindung
- Leitfähige Verbindung durch Riefen an der Hammermutter
- Universell einsetzbar, da kombinierbar mit allen Nuten

Innovative advantages

- Suitable for all profile slots
- Retrofittable
- Non-twisting connector
- Ribbing on hammer nut for conductive connection
- Combinable with all slots for universal application

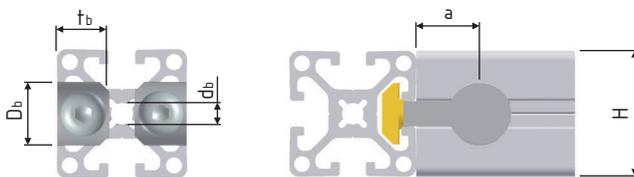
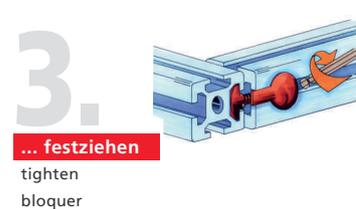
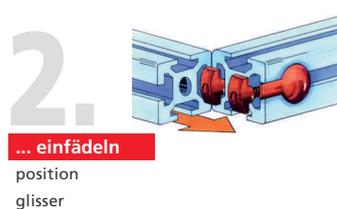
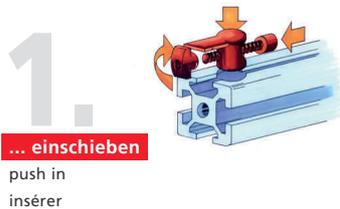
Atouts novateurs

- Positionnement réglable et universel
- Insérable dans une structure sans redémontage
- Anti-rotation du profilé
- Assemblage conducteur
- Compatibilité avec tous profilés et rainures existants

Verbinder sollten **PAARWEISE** eingesetzt werden

Connectors should be used in **PAIRS**

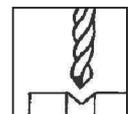
Résistance optimale par **PAIRE**



H	D _e	d _b	a	t _b	Nm
20 5	Ø12	Ø4,3	10	8,5	5
30 8E	Ø16	Ø5,5	15	12,7	15
40 8	Ø20	Ø7	20	16	25
45 10	Ø20	Ø7	20	16	30

20 5	A	05.01608.00
30 8E	A	05.01609.00
	B	05.01609.50
40 8	A	05.01610.00
	B	05.01610.50
45 10	A	05.01644.00
	B	05.01644.50

➔ ■ 14.01



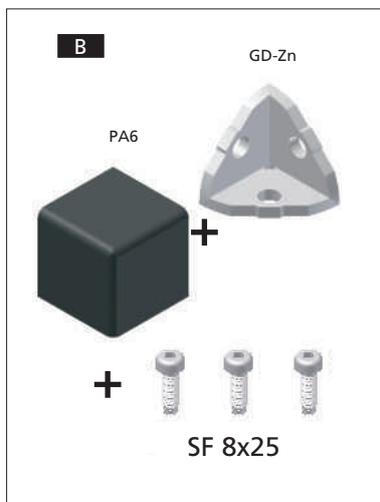
Technische Änderungen vorbehalten



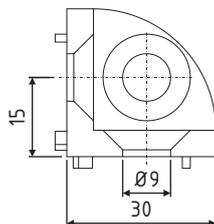
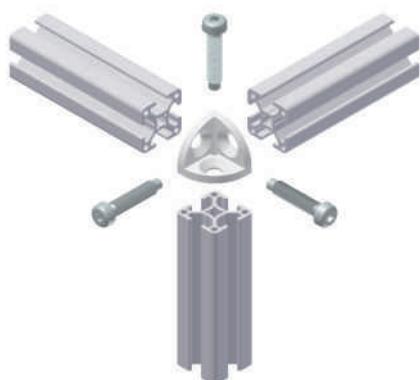
ECKWINKEL 30, 40

3-WAY CONNECTION ANGLE 30, 40

CORNIERE D'ANGLE 30, 40



30



A

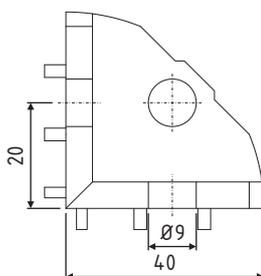
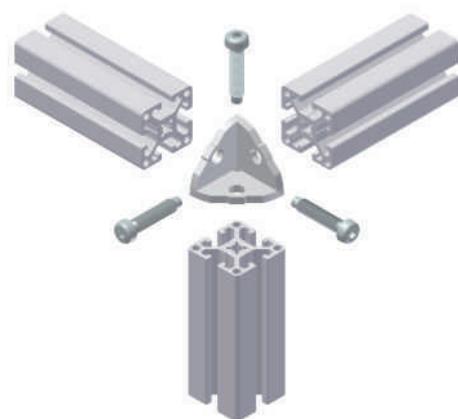
05.02146.00



B

05.02146.10

40



A

05.02147.00



B

05.02147.10



C

05.02147.20

Technische Änderungen vorbehalten

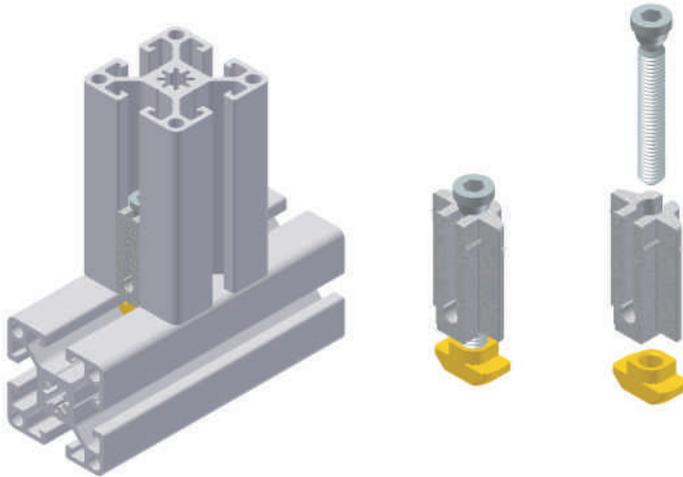
KLEMMVERBINDER

CLAMP CONNECTOR

FIXATION KV



KV



Bestehend aus:
 Klemmkörper GD-Zn
 Schraube St, vz.
 Hammermutter

Consisting of:
 Clamping unit GD-Zn
 Screw St, galv.
 Hammer nut

Comprenant:
 Coulisseau à expansion GD-Zn
 Vis Ac, zing.
 Ecroû de rainure

3

Innovative Vorteile

- Für leichte Belastungen
- Keine Profilbearbeitung
- Nachträglicher Einbau möglich
- Speziell für Zwischenstreben
- Elektrische Leitfähigkeit
- Automatische Profilverzerrung
- Verdrehgesicherte Verbindung

Innovative advantages

- For light loads
- No work on profiles
- Retrofittable
- Specially for connecting struts
- Electrically conductive
- Automatic profile centring
- Non-twisting connection

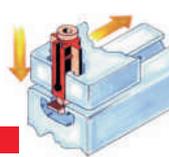
Atouts novateurs

- Montage hyperrapide et simple, sans usinage du profilé
- Essentiel pour insérer une barre entretoisée dans un ensemble monté
- Assemblage conducteur
- Autocentrage du profilé
- Antirotation du profilé

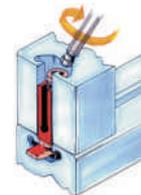
1.
... einschieben
 insert
 insérer



2.
... platzieren
 position
 positionner



3.
... festziehen
 tighten
 visser



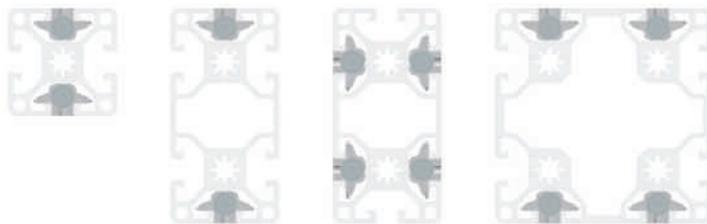
Klemmverbinder müssen grundsätzlich **PAARWEISE** eingesetzt werden
 Clamp connectors must always be ordered in **PAIRS**
 Montage impératif par **PAIRE**



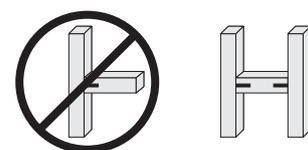
05.01332.00



05.01333.00



Nicht einseitig belasten.
 Do not put under stress on just one side.
 Eviter les montages arqueboutés.



Technische Änderungen vorbehalten



GEHRUNGSVERBINDER

MITRE CONNECTOR

JOINT A ONGLET



Innovative Vorteile

- Gehrungsverbindung von Profilen die unter 30° bzw. 45° gesägt sind
- Vibrationsfreie Verbindung durch Spezialschrauben

Innovative advantages

- Mitre connector of profiles that are sawn below 30° or 45°
- Special screws for non-vibrating connection

Atouts novateurs

- Assemblages coupés d'onglet à 30° et 45°
- Aucun usinage

Ausführung

Stahlblech, verzinkt

Design

Sheet steel, galv.

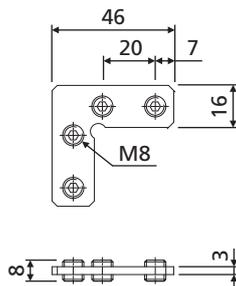
Version

Plaque d'acier zinguée

Anwendungsbeispiele
Applications • Applications



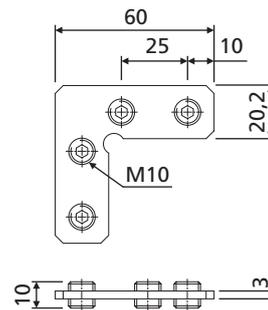
GEV-8



6 Nm

05.01290.00

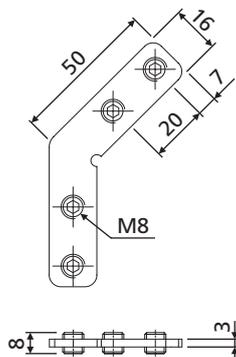
GEV-10



10 Nm

05.01291.00

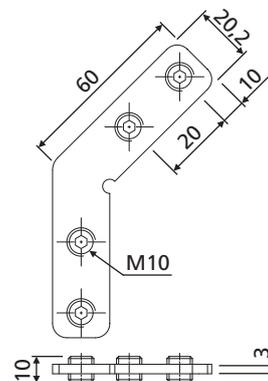
GEV-8-45°



6 Nm

05.01253.00

GEV-10-45°



10 Nm

05.01254.00

Technische Änderungen vorbehalten



Innovative Vorteile

- Kein Gewinde schneiden
- Selbstfurchende Gewindeform
- Hohe Verbindungsfestigkeit
- Perfektes Handling durch tiefen Innensechskant
- Hohe Sicherung durch starke Sperrverzahnung am Schraubenkopf
- Elektrisch leitfähig

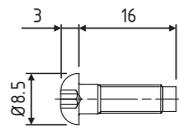
Innovative advantages

- No thread cutting
- Self-tapping thread form
- High connecting strength
- Deep hexagon socket for perfect handling
- Strong lock toothing on screw head for high safety
- Electrically conductive

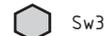
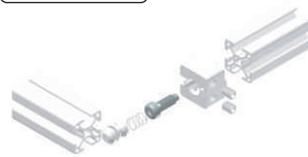
Atouts novateurs

- Taraudage superflu
- Vissage facile autotaraudeur
- Blocage impeccable
- Serrage optimum - profondeur accentuée du six pans creux
- Blocage grip sous la tête de vis
- Assemblage conducteur

SF 5x16



END

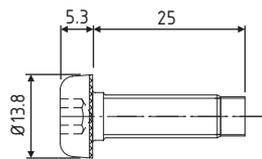


15 Nm

Festigkeitsklasse 8.8
Strength class 8.8
Classification de résistance 8.8

05.01126.00

SF 8x25

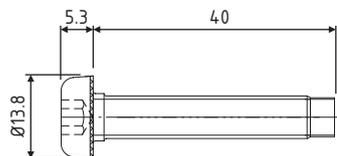


25 Nm

Festigkeitsklasse 8.8
Strength class 8.8
Classification de résistance 8.8

05.01124.00

SF 8x40



VSA

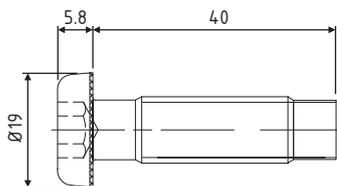


25 Nm

Festigkeitsklasse 8.8
Strength class 8.8
Classification de résistance 8.8

05.01125.00

SF 12x40



PV

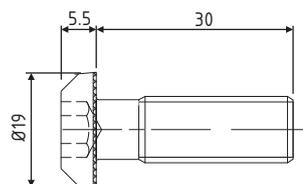
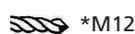


35 Nm

Festigkeitsklasse 8.8
Strength class 8.8
Classification de résistance 8.8

05.01127.00

M12x30*



VSI



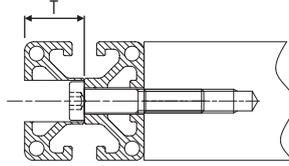
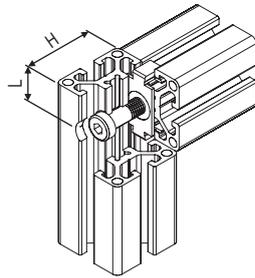
40 Nm

Festigkeitsklasse 8.8
Strength class 8.8
Classification de résistance 8.8

05.01083.00

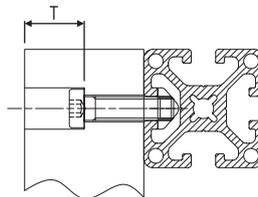
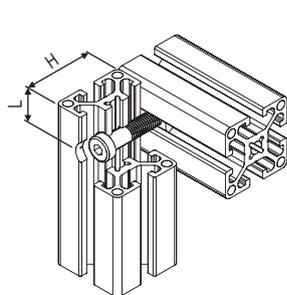


VERBINDERSCHRAUBE AUßEN
CONNECTOR SCREW EXTERNAL
VIS DE JONCTION EXTERIEUR



Verdrehsicherung
 Anti-torsion element
 Securite anti-torsion

		H	T	L		 DIN 7984	 + DIN 7984	
VSA 10		20x20	6.3	10	M 5 x 25	05.01497.00	05.02279.00	
		40x40	6.3	10	M 5 x 50	05.01618.00	05.01560.00	
VSA 14		30x30	9.5	15	M 8 x 40	05.01505.00	05.01137.00	
			40x40	20	20	M 8 x 40	05.01505.00	05.01561.00
			80x80	60	20	M 8 x 40	05.01505.00	05.01561.00
VSA 20		45x45	13.5	22.5	M12 x 60	05.01508.00	05.01562.00	
		60x60	13.5	30	M12 x 80	05.01619.00	05.01563.00	
		90x90	57.5	22.5	M12 x110	05.01509.00	05.01368.00	



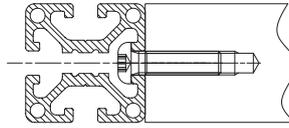
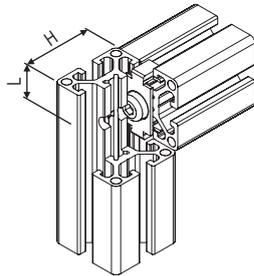
		H	T	L		 DIN 7984			
VSA 10		20x20	5.5	10	M 5 x 20	05.01496.00	05.01656.00		
		40x40	5.5	10	M 5 x 40	05.01419.00	05.01656.00		
VSA 14		30x30	9.5	15	M 8 x 25	05.01503.00	05.01870.00		
			40x40	20	20	M 8 x 30	05.01504.00	05.01652.00	
			80x80	60	20	M 8 x 30	05.01504.00	05.01652.00	
VSA 14		45x45	27	22.5	M 8 x 30	05.01504.00	05.01064.00	05.01107.00	
		60x60	13.5	30	M 8 x 55	05.01649.00	05.01064.00	05.01107.00	
		90x90	58.5	22.5	M 8 x 40	05.01505.00	05.01064.00	05.01107.00	

Technische Änderungen vorbehalten

VERBINDERSCHRAUBE INNEN

CONNECTOR SCREW INTERNAL

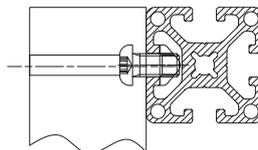
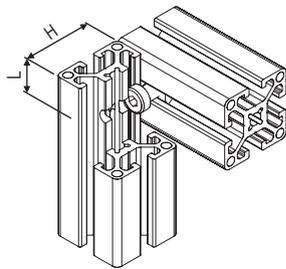
VIS DE JONCTION INTERIEUR



Verdrehsicherung
Anti-torsion element
Securite anti-torsion

3

		H		SF	FM-Schraube		ISO 7380	
VSI Ø4.3		5	20x20	XXXX	SF 5 x 16	05.01362.00	M 5x 16	05.01365.00
			40x40	XXXX	SF 5 x 16	05.01362.00	M 5x 16	05.01365.00
VSI Ø7		8E	30x30	XXXX	SF 8 x 25	05.01135.00	M 8x 25	05.01136.00
		8	40x40	XXXX	SF 8 x 25	05.01363.00	M 8x 25	05.01366.00
			80x80	XXXX	SF 8 x 25	05.01363.00	M 8x 25	05.01366.00
VSI Ø9.5		10	45x45	XXXX	SF12 x 40	05.01364.00	M12x 30	05.01367.00
			60x60	XXXX	SF12 x 40	05.01364.00	M12x 30	05.01367.00
			90x90	XXXX	SF12 x 40	05.01364.00	M12x 30	05.01367.00



		H	L		ISO 7380			
VSI Ø4.3		5	20x20	10	M 5 x 8	05.01400.00	05.01656.00	
			40x40	10	M 5 x 8	05.01400.00	05.01656.00	
VSI Ø7		8E	30x30	15	M 8 x 12	05.01419.00	05.01870.00	
		8	40x40	20	M 8 x 16	05.01412.00	05.01652.00	
			80x80	20	M 8 x 16	05.01412.00	05.01652.00	
VSI Ø9.5		10	45x45	22.5	M 8 x 16	05.01412.00	05.01064.00	05.01107.00
			60x60	30	M 8 x 16	05.01412.00	05.01064.00	05.01107.00
			90x90	22.5	M 8 x 16	05.01412.00	05.01064.00	05.01107.00

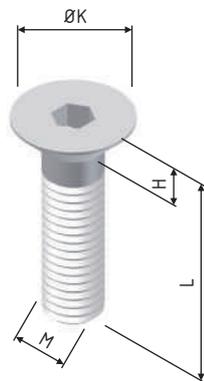
Technische Änderungen vorbehalten



DIN / ISO-SCHRAUBEN

DIN / ISO-SCREWS

DIN / ISO-VISSER



SW3 - M5
SW4 - M6
SW5 - M8

St, vz. - Festigkeitsklasse 8.8
Steel, galvanized - Strength class 8.8
Acier, galvanisé - Classification de résistance 8.8

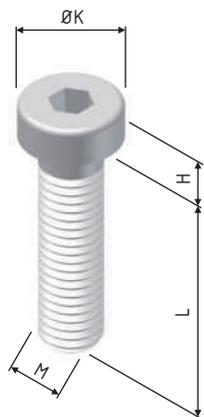
ISO 10642 (DIN 7991)

M x L **ØK** **H**

M5 x 8	9.5	2.75	05.02357.00
M5 x 10	9.5	2.75	05.02358.00
M5 x 12	9.5	2.75	05.02359.00

M x L **ØK** **H**

M5 x 16	9.5	2.75	05.02342.00
M5 x 20	9.5	2.75	05.02343.00
M5 x 25	9.5	2.75	05.02344.00
M6 x 12	10.5	3.3	05.02345.00
M6 x 16	10.5	3.3	05.01758.00
M6 x 20	10.5	3.3	05.02346.00
M6 x 25	10.5	3.3	05.02347.00
M6 x 30	10.5	3.3	05.02348.00
M8 x 14	14	4.4	05.02349.00
M8 x 16	14	4.4	05.02350.00
M8 x 20	14	4.4	05.02351.00
M8 x 25	14	4.4	05.02352.00
M8 x 30	14	4.4	05.02353.00
M8 x 40	14	4.4	05.02354.00
M8 x 60	14	4.4	05.02355.00
M8 x 80	14	4.4	05.02356.00



SW3 - M5
SW4 - M6
SW5 - M8

St, vz. - Festigkeitsklasse 8.8
Steel, galvanized - Strength class 8.8
Acier, galvanisé - Classification de résistance 8.8

DIN 7984

M x L **ØK** **H**

M5 x 10	8.5	3.5	05.01494.00
M5 x 16	8.5	3.5	05.01495.00
M5 x 20	8.5	3.5	05.01496.00

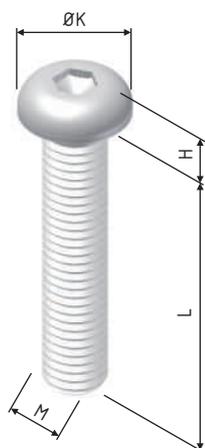
M x L **ØK** **H**

M5 x 25	8.5	3.5	05.01497.00
M6 x 40	10	4	05.01523.00
M8 x 16	13	5	05.01500.00
M8 x 20	13	5	05.01502.00
M8 x 25	13	5	05.01503.00
M8 x 30	13	5	05.01504.00
M8 x 40	13	5	05.01505.00
M8 x 50	13	5	05.01620.00
M8 x 55	13	5	05.01649.00
M8 x 60	13	5	05.01506.00
M8 x 80	13	5	05.01507.00
M12x 60	18	7	05.01508.00
M12x 80	18	7	05.01619.00
M12x110	18	7	05.01509.00
M16x100	24	9	05.01621.00

ISO-SCHRAUBEN

ISO-SCREWS

ISO-VISSER



SW3 - M5
SW4 - M6
SW5 - M8

St, vz. - Festigkeitsklasse 10.9
Steel, galvanized - Strength class 10.9
Acier, galvanisé - Classification de résistance 10.9

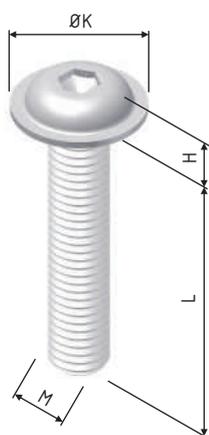
ISO 7380

M x L **ØK** **H**

M5 x 8	9.5	2.75	05.01400.00
M5 x 10	9.5	2.75	05.01401.00
M5 x 12	9.5	2.75	05.01402.00

M x L **ØK** **H**

M5 x 16	9.5	2.75	05.01403.00
M5 x 20	9.5	2.75	05.01404.00
M5 x 25	9.5	2.75	05.01405.00
M6 x 12	10.5	3.3	05.01406.00
M6 x 16	10.5	3.3	05.01407.00
M6 x 20	10.5	3.3	05.01408.00
M6 x 25	10.5	3.3	05.01409.00
M6 x 30	10.5	3.3	05.01410.00
M8 x 14	14	4.4	05.01411.00
M8 x 16	14	4.4	05.01412.00
M8 x 20	14	4.4	05.01413.00
M8 x 25	14	4.4	05.01414.00
M8 x 30	14	4.4	05.01415.00
M8 x 40	14	4.4	05.01081.00
M8 x 60	14	4.4	05.01417.00
M8 x 80	14	4.4	05.01418.00



SW3 - M5
SW4 - M6
SW5 - M8

St, vz. - Festigkeitsklasse 10.9
Steel, galvanized - Strength class 10.9
Acier, galvanisé - Classification de résistance 10.9

ähnlich ISO 7380

M x L **ØK** **H**

M5 x 8	11.1	2.7	05.01425.00
M5 x 10	11.1	2.7	05.01426.00
M5 x 12	11.1	2.7	05.01427.00

M x L **ØK** **H**

M5 x 16	11.1	2.7	05.01428.00
M5 x 20	11.1	2.7	05.01429.00
M5 x 25	11.1	2.7	05.01430.00
M6 x 12	13.3	3.2	05.01431.00
M6 x 16	13.3	3.2	05.01432.00
M6 x 20	13.3	3.2	05.01433.00
M6 x 25	13.3	3.2	05.01434.00
M6 x 30	13.3	3.2	05.01435.00
M8 x 14	17.8	4.3	05.01436.00
M8 x 16	17.8	4.3	05.01437.00
M8 x 20	17.8	4.3	05.01438.00
M8 x 25	17.8	4.3	05.01439.00
M8 x 30	17.8	4.3	05.01082.00
M8 x 40	17.8	4.3	05.01441.00
M8 x 60	17.8	4.3	05.01442.00
M8 x 80	17.8	4.3	05.01443.00



VERBINDERLASCHEN CONNECTING STRAP PLAQUES

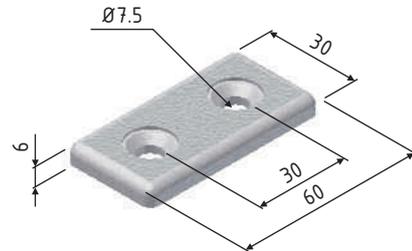


Erforderliche Verbinder:
Connectors required:
Fixations recommandées:

- A** Hammerschraube M8x15  **05.01050.00**
- B** Hammerschraube M8x20  **05.01051.00**
- C** ISO 10642 M6x12  **05.02345.00**
- D** ISO 10642 M6x16  **05.01758.00**
- E** ISO 10642 M8x16  **05.02350.00**
- F** FM-Schraube SF8x25  **05.01124.00**

30x60x6

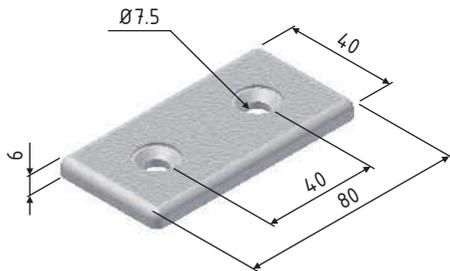
8E



 → ■ 11.04 **C B** GD-Zn **05.02073.00**

40x80x6

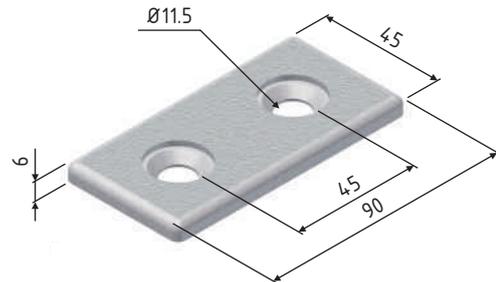
8



 → ■ 11.04 **D B** GD-Zn **05.02033.00**

45x90x6

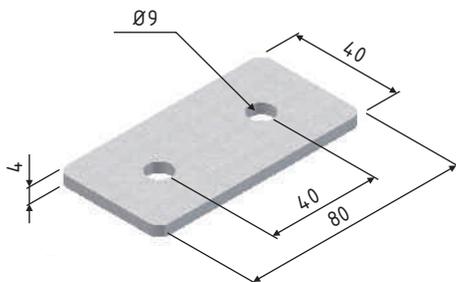
10



 → ■ 11.04 **E B** GD-Zn **05.02074.00**

40x80x4

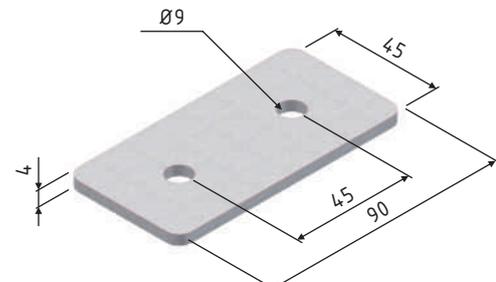
8



B St, vz 4 mm **05.01570.00**

45x90x4

10



B St, vz 4 mm **05.01571.00**

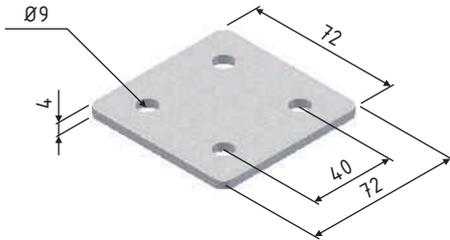
Technische Änderungen vorbehalten

VERBINDERLASCHEN CONNECTING STRAP PLAQUES



Knotenplatte 80

Plate 80 · Plaque de renfort 80

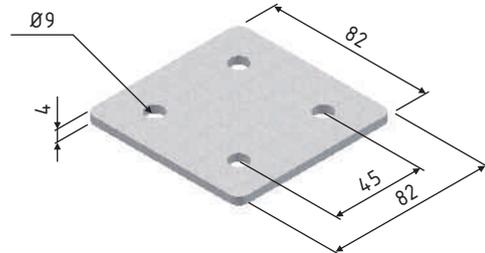


St, vz 4 mm

B 05.01568.00

Knotenplatte 90

Plate 90 · Plaque de renfort 90

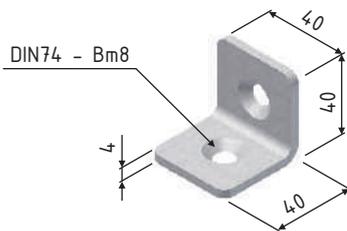


St, vz 4 mm

B 05.01569.00

Winkel 40

Bracket 40 · Equerre 40

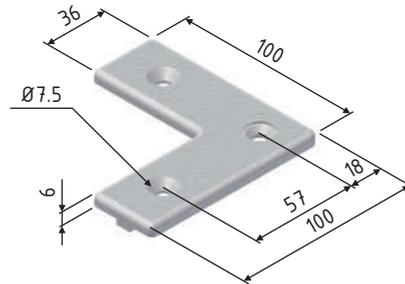


St, vz 4 mm

E 05.01572.00

SZ-Winkel 100x100x6

Bracket 100x100x6 · Equerre 100x100x6



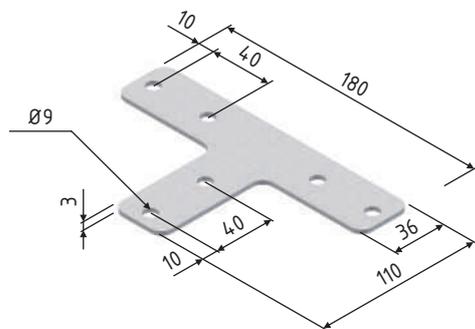
mit Zentrierfahnen
with centering lugs
avec ergots de centrage

GD-Zn

D B 05.02032.00

T-Platte

T-plate · T-plaque

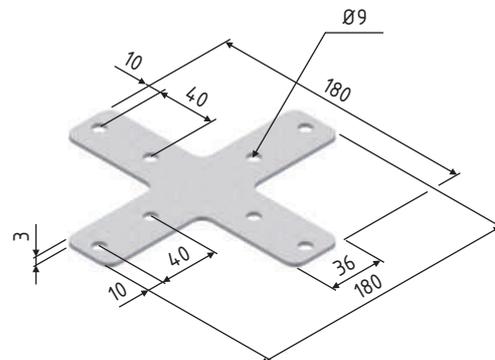


St, vz 3 mm

B 05.01161.00

Kreuzplatte

cross plate · croix-plaque



St, vz 3 mm

B 05.01162.00

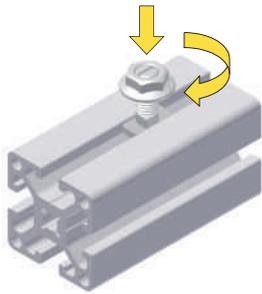
Technische Änderungen vorbehalten

3



HAMMERSCHRAUBE

T-BOLT VIS 1/4 DE TOUR



Innovative Vorteile

- Für nachträgliche Befestigungen in Alu-Profilen.
- Für leichte bis mittlere Belastungen
- Leichte und schnelle Montage
- Kostengünstige Verbindung

Innovative advantages

- For later fastening to aluminium profiles
- For light to medium loads
- Quick and easy to fit
- Economic connector

Atouts novateurs

- Pour un montage ultérieur dans le profilé
- Pour charges légères et moyennes
- Montage aisé et rapide par 1/4 de tour
- Utilisation universelle

Ausführung

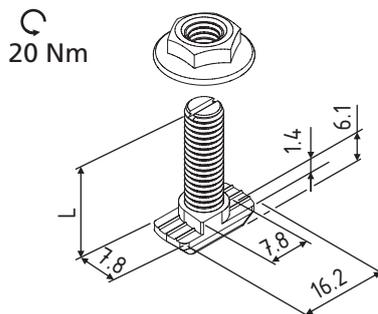
Stahl, verzinkt
Festigkeitsklasse 8.8

Design

Galvanized steel
Strength class 8.8

Matière

Acier zingué
Classe de résistance 8.8



8E	8	
		M6x16
		M6x20
		M6x25

St, vz

05.02140.00

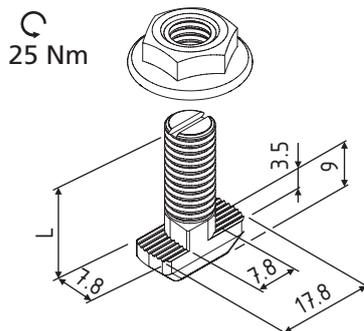
05.02141.00

05.02142.00

VA

05.02141.50

05.02142.50



8	10	
		M8x15
		M8x20
		M8x25
		M8x30
		M8x40
		M8x50
		M8x60
		M8x80

St, vz

05.01050.00

05.01051.00

05.01052.00

05.01053.00

05.01054.00

05.01055.00

05.01056.00

05.01057.00

VA

05.01051.50

05.01052.50

05.01053.50

05.01054.50



Abdeckkappe für Flanschmutter M8 - PE
Cap for flange nut M8 - PE
Cache pour écrou M8 - PE

05.01059.00

Flanschmutter M6 - St, vz.
Flange nut M6 - steel, galvanised
Ecrou M6 - acier, galvanisé

05.02237.00

Flanschmutter M8 - St, vz.
Flange nut M8 - steel, galvanised
Ecrou M8 - acier, galvanisé

05.02238.00

HAMMERMUTTER

T-NUT

ECROUS 1/4 DE TOUR



Innovative Vorteile

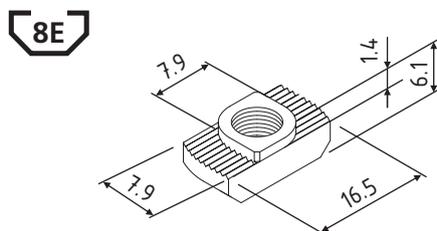
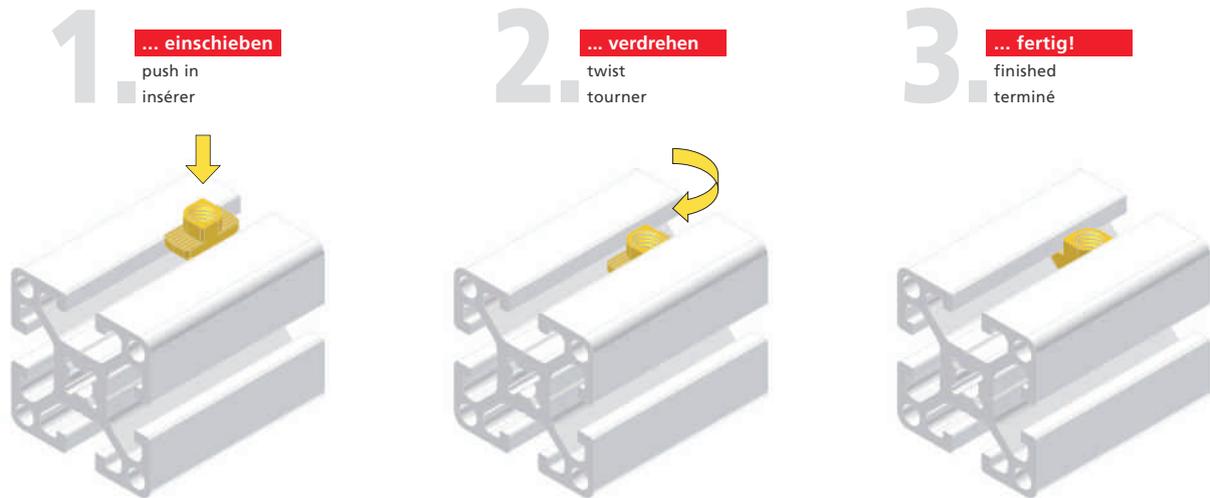
- Universell einsetzbarer Verbinder
- Einlegbar an beliebiger Stelle in Profilmutter
- Geriffelte Oberfläche zum Durchbrechen der Eloxalschicht

Innovative advantages

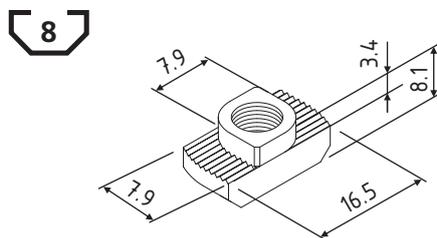
- Connector for universal applications
- Can be inserted at any point in profile groove
- Ribbed surface to break through the anodized layer

Atouts novateurs

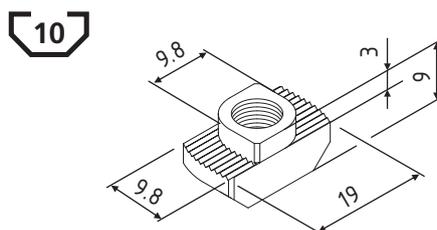
- Éléments de jonction universels
- positionnables quel que soit l'emplacement dans la rainure
- Assemblage conducteur



		St, vz	VA
M4	4 Nm	05.01102.00	
M5	6 Nm	05.01103.00	
M6	10 Nm	05.01104.00	05.01104.50



M4	4 Nm	05.01660.00
M5	6 Nm	05.01661.00
M6	10 Nm	05.01662.00



M4	4 Nm	05.01138.00	
M5	6 Nm	05.01105.00	
M6	10 Nm	05.01106.00	05.01106.50
M8	25 Nm	05.01107.00	05.01107.50

Technische Änderungen vorbehalten



Gewindeplättchen 5

- Für leichte Belastungen
- Stirnseitig in Profil einlegbar

Ausführung: Stahl vergütet
M4 = blau verzinkt
M5 = schwarz verzinkt

Threaded plate 5

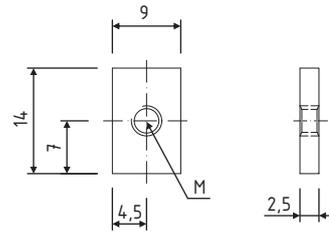
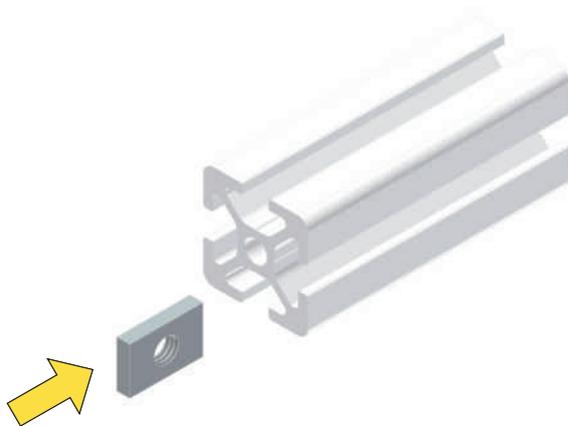
- For light loads
- Insertable in profile on front side

Design: galvanized steel
M4 = blue galvanized
M5 = black galvanized

Ecrou plat 5

- Pour charges légères
- Insérable en bout de profilé

Matière: Acier zingué
M4 = bleu zingué
M5 = noir zingué



		⌚	St, vz.
	M4	3 Nm	05.01842.00
	M5	3 Nm	05.01843.00

Einschiebemutter 5

- Für leichte Belastungen
- Stirnseitig in das Profil einlegbar

Ausführung: Stahl vergütet
M4 = blau verzinkt
M5 = schwarz verzinkt

Insert nut 5

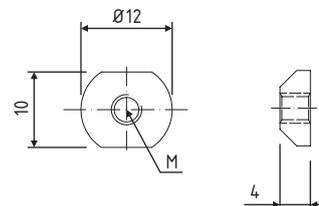
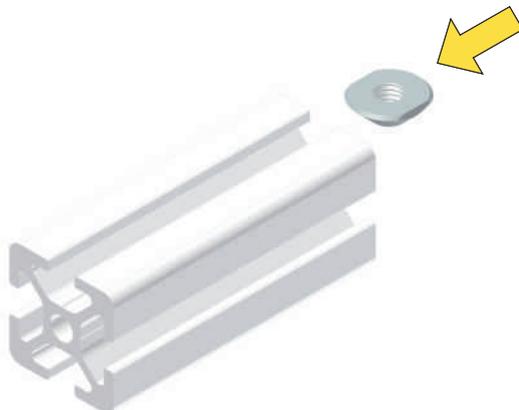
- For light loads
- Insertable in profile on front side

Design: galvanized steel
M4 = blue galvanized
M5 = black galvanized

Ecrou demi-lune 5

- Pour charges légères
- Insérable en bout de profilé

Matière: Acier zingué
M4 = bleu zingué
M5 = noir zingué



		⌚	St, vz.
	M4	3 Nm	05.01840.00
	M5	3 Nm	05.01841.00

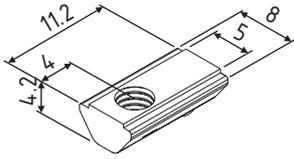
NUTENSTEIN 20, 30

SLIDING BLOCK 20, 30

COULISSEAU 20, 30



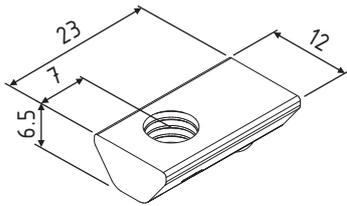
Nutenstein halbrund



		St, vz
M4	3 Nm	05.01655.00
M5	4,5 Nm	05.01656.00

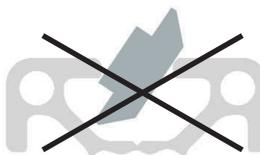
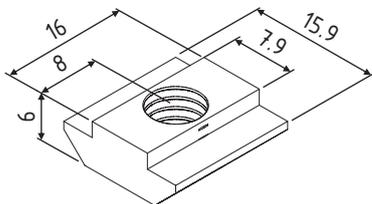
3

Nutenstein halbrund



		St, vz
M5	6 Nm	05.01872.00
M6	12 Nm	05.01871.00
M8	23 Nm	05.01870.00

Nutenstein T-Form



		St, vz
M4	4 Nm	05.01472.10
M5	8 Nm	05.01471.10
M6	10 Nm	05.01470.10
M8	30 Nm	05.01469.10

Technische Änderungen vorbehalten



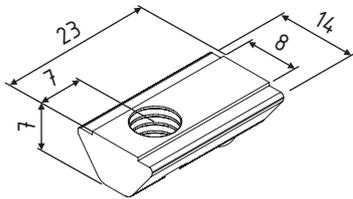
NUTENSTEIN 40

SLIDING BLOCK 40

COULISSEAU 40



Nutenstein halbrund

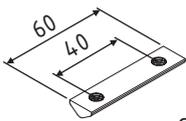


St, vz

VA

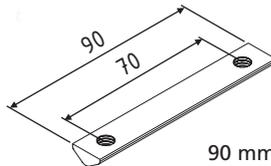
M4	4 Nm	05.01063.00	
M5	8 Nm	05.01654.00	05.01654.50
M6	14 Nm	05.01653.00	05.01653.50
M8	25 Nm	05.01652.00	05.01652.50

8E* Nur stirnseitig einsetzbar
Insertable on front side
insérable en bout de profilé



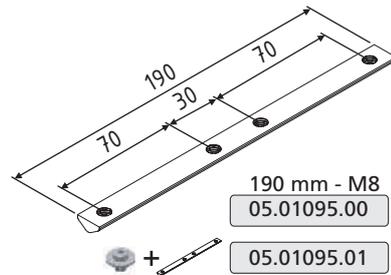
60 mm - M8

05.01093.00



90 mm - M8

05.01094.00

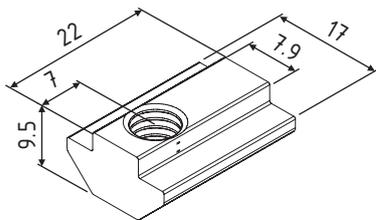


190 mm - M8

05.01095.00

05.01095.01

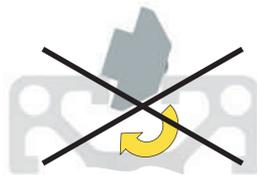
Nutenstein halbrund - schwer



St, vz

VA

M6	14 Nm	05.01088.00	
M8	34 Nm	05.01089.00	05.01089.50



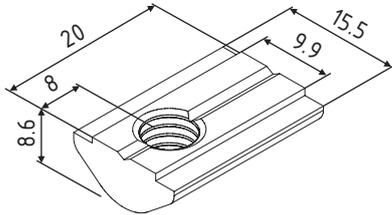
NUTENSTEIN 45

SLIDING BLOCK 45

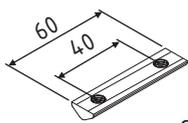
COULISSEAU 45



Nutenstein halbrund

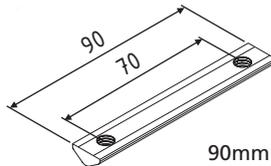


		⌚	St, vz	VA
10	M5	10 Nm	05.01066.00	05.01066.50
	M6	16 Nm	05.01065.00	05.01065.50
	M8	28 Nm	05.01064.00	05.01064.50



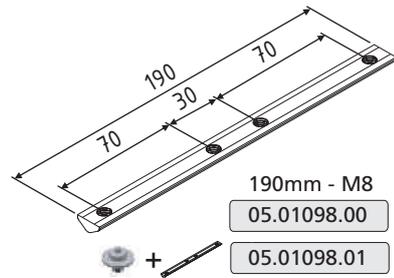
60mm - M8

05.01096.00



90mm - M8

05.01097.00

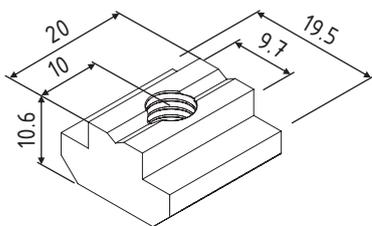


190mm - M8

05.01098.00

05.01098.01

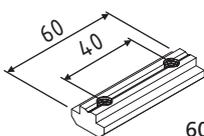
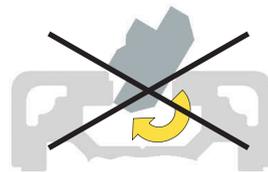
Nutenstein T-Form



		⌚	St, vz	VA
10	M5	12 Nm	05.01069.00	
	M6	21 Nm	05.01068.00	
	M8	42 Nm	05.01067.00	05.01067.50

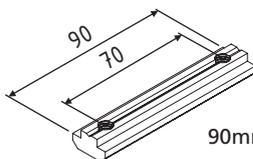
Feder • Spring • Ressort

05.01080.00



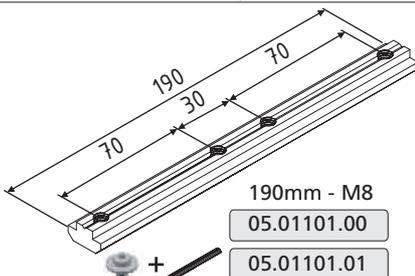
60mm - M8

05.01099.00



90mm - M8

05.01100.00



190mm - M8

05.01101.00

05.01101.01

Technische Änderungen vorbehalten



VERBINDER CONNECTOR JONCTION



Einschiebemutter

- Hoher Traganteil der Auflagefläche
- Durch Feder in der Nut fixiert
- Universelles Element für 3-Nut-Typen
- Stirnseitig in Profil einziehbar

Ausführung
Stahl, verzinkt

Insert nut

- High bearing section of resting surface
- Fastened in slot by spring
- Universal element for 3-slot versions
- Push into profile from front

Design
Steel, galvanized

Ecrou plat

- Grande surface d'appui
- Fixation par ressort dans la rainure
- Élément universel pour 3 types de rainures
- Insérable en bout de profilé

Matière
Acier zingué

				A + B		
A		8E 8 10	M4	3 Nm	05.01885.00	05.01885.10
			M5	5 Nm	05.01886.00	05.01886.10
			M6	10 Nm	05.01887.00	05.01887.10
			M8	15 Nm	05.01888.00	05.01888.10
B				Feder • Spring • Ressort	05.01889.00	

Nutenstein flach

				St, vz	
	8E 8 10	M4	5 Nm	05.01221.00	
		M5	10 Nm	05.01072.00	
		M6	14 Nm	05.01071.00	
		M8	26 Nm	05.01070.00	
				Feder • Spring • Ressort	05.01080.00

<p>60mm - M8</p> <p>05.01090.00</p>	<p>90mm - M8</p> <p>05.01091.00</p>	<p>190mm - M8</p> <p>05.01092.00</p> <p>05.01092.01</p>
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Technische Änderungen vorbehalten

Gewindehülse SF

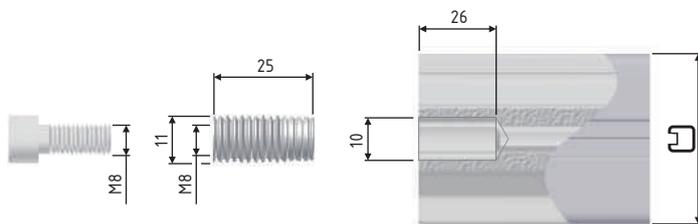
- Kein Gewindeschneiden
- Selbstfurchende Gewindeform "Spiralform Plus" erleichtert das Eindrehen
- Selbstzentrierend durch Zentrierschaft
- Einfache Montage durch Inbus-schlüssel
- Innengewinde metrisch

Threaded sleeve SF

- No thread cutting
- Self-tapping thread "Spiralform Plus" makes it easier to screw in
- Self-centring with centring shaft
- Allen key for easy fitting
- Metric inner thread

Douilles-insert autotaraudeuses centrees

- Taraudage superflu
- Vissage facile par vis autotaraudeuse à filetage spiralé "Spiralform Plus" et enduction GleitMo
- Autocentrage par pion axial
- Montage aisé par clé 6 pans
- Taraudage métrique



lock 30 lock 40 45 50

05.01369.00

05.01040.00

Gewindeeinsätze

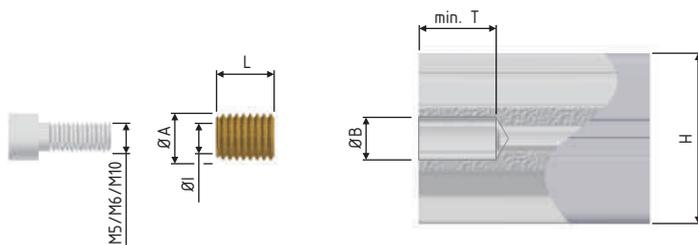
- Kein Gewindeschneiden
- Außengewinde metrisch
- Stahl, einsatzgehärtet, verzinkt

Thread inserts

- No thread cutting
- Metric outer thread
- Steel, case hardened, galvanized

Inserts taraudes

- Taraudage superflu
- Taraudage métrique
- Acier zingué



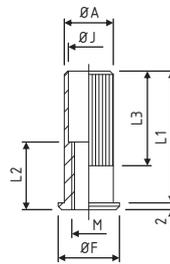
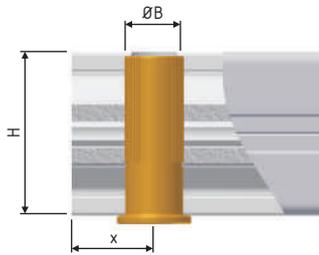
H	ØA	ØI	L	ØB	min.T		
lock 30	8	M5	10	6,8	13	05.01370.00	05.01374.00
lock 40	10	M6	14	8,6	17	05.01371.00	05.01375.00
lock 40 lock 45	12	M8	15	10	19	05.01372.00	05.01376.00
lock 45	14	M10	18	13	22	05.01373.00	05.01377.00



Gewindehülse

Threaded sleeve

Douilles-insert canele



* ohne Bund
without collar
sans epaulement

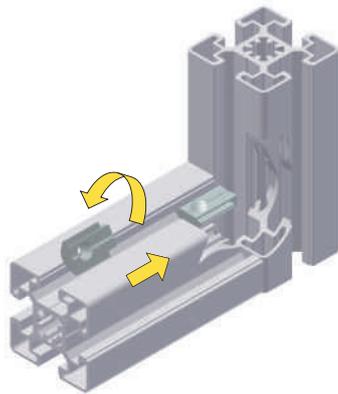
**durchgehend
Continuous
traversant

H	M	ØB	ØA	ØJ	ØF	L1	L2	L3	
30	M 8	11	11,3	9	15	29	15	16	05.01421.00
40	M10	14	14,4	12	18	39	20	26	05.01422.00
45	M12	14	14,4	13	18	39	20	26	05.01423.00
45	M12	17	17,4	13	20	44	20	32	05.01424.00
45	M16	20	20,4	17	-*	54	32	-**	05.01420.00

Verdrehsicherung

Non-twisting

Ecrou antirotation



DIN 916

St, vz.

05.02271.00

DIN 916

St, vz.

05.02273.00

DIN 916

St, vz.

05.02275.00

Technische Änderungen vorbehalten

WINKEL UND GELENKE

BRACKETS AND JOINTS

EQUERRES ET ARTICULATIONS



■ 4.02



■ 4.02



■ 4.03



■ 4.03



■ 4.03



■ 4.04



■ 4.04



■ 4.04



■ 4.05



■ 4.06



■ 4.06



■ 4.06



■ 4.07



■ 4.07



■ 4.08



■ 4.08



■ 4.09



■ 4.10



■ 4.12



■ 4.12



■ 4.12



■ 4.13



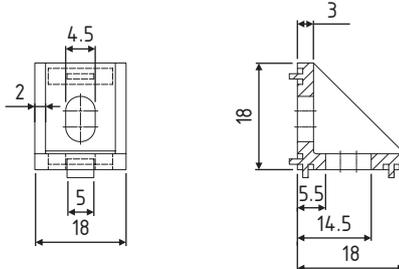
■ 4.13



WINKEL 20, 30
BRACKETS 20, 30
EQUERRES 20, 30



18x18x18



05.01222.00



05.01222.05

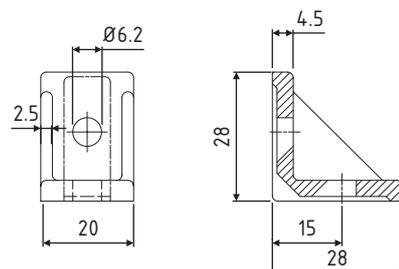


05.01285.00



05.01222.10

20x28x28



05.01255.00



05.01255.20



05.01255.05



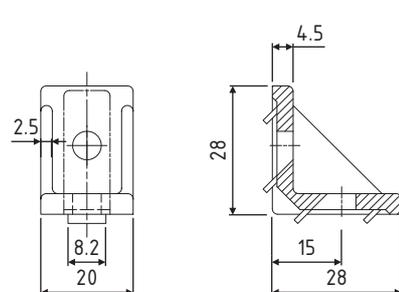
05.01255.05



05.01255.15

20x28x28 mit Zentrierfahnen

with centering lugs · avec ergots de centrage



05.01257.00



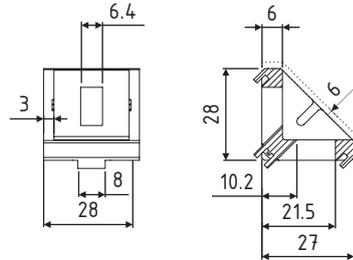
05.01257.05

Technische Änderungen vorbehalten

WINKEL 30, 40
BRACKETS 30, 40
EQUERRES 30, 40



28x27x27



05.01108.00



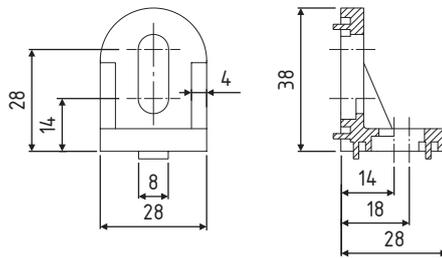
05.01109.00



05.01108.05



R 28x38

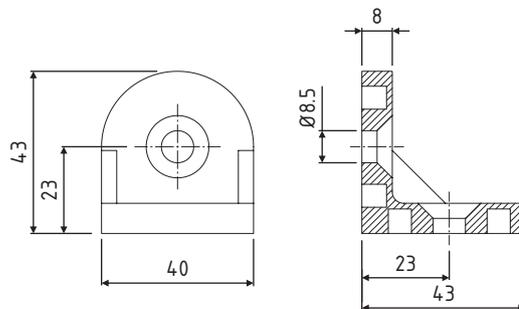


05.01129.00



05.01129.05

R 40x43



05.01085.00



05.01085.05

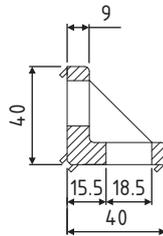
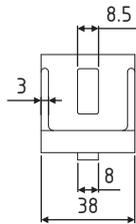
Technische Änderungen vorbehalten



WINKEL 40
BRACKETS 40
EQUERRES 40



38x40x40

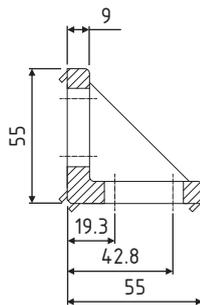
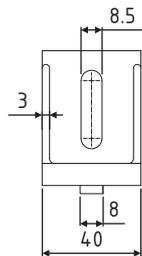


05.01250.00



05.01250.05

40x55x55

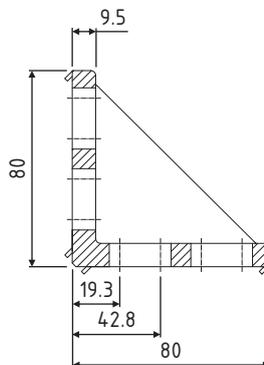
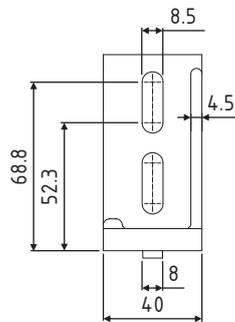


05.01251.00



05.01251.05

40x80x80



05.01252.00



05.01252.05

Technische Änderungen vorbehalten

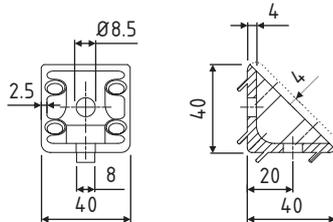
WINKEL MIT ABDECKKAPPE

BRACKETS WITH CAP

EQUERRES AVEC CACHE



40x40x40



05.01980.00

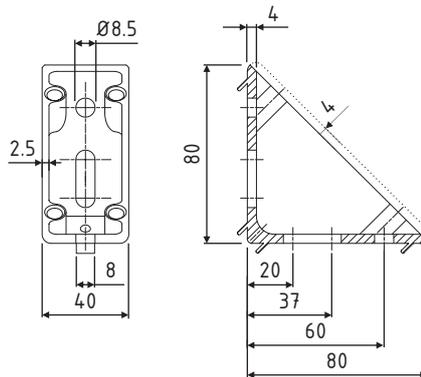


05.01985.00



05.01980.05

40x80x80



05.01981.00

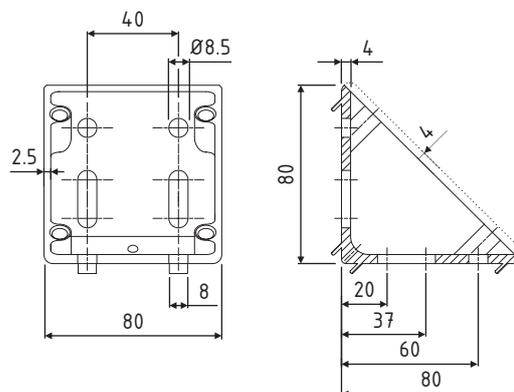


05.01986.00



05.01981.05

80x80x80



05.01982.00



05.01987.00



05.01982.05

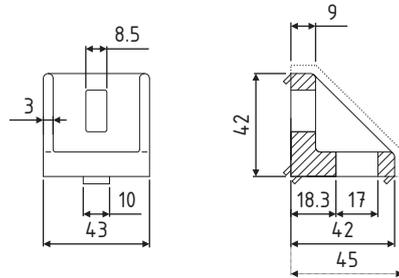
Technische Änderungen vorbehalten



WINKEL 45
BRACKETS 45
EQUERRES 45



43x42x42



05.01144.00



05.01144.05

2x



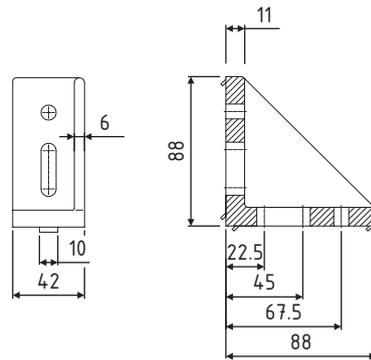
05.01140.00



05.01144.10

2x

42x88x88



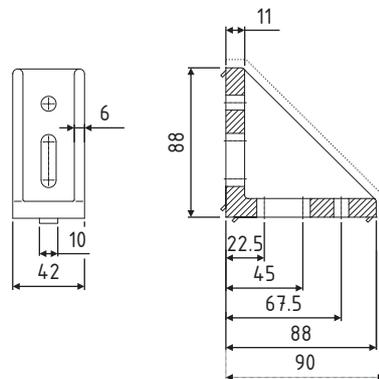
05.01152.00



05.01152.05

4x

42x88x88 2-stegig



05.01142.00



05.01142.05

4x



05.01143.00



05.01142.10

4x

Technische Änderungen vorbehalten

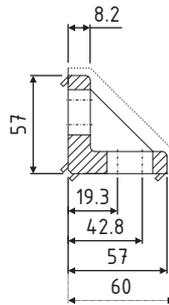
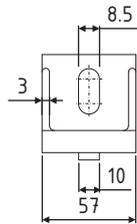
WINKEL 45

BRACKETS 45

EQUERRES 45



57x57x57



05.01148.00



05.01148.05

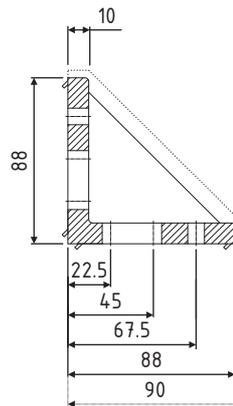
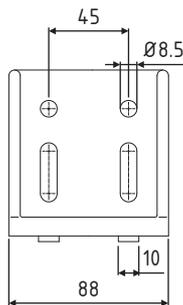


05.01141.00



05.01148.10

88x88x88



05.01153.00



05.01153.05



05.01139.00



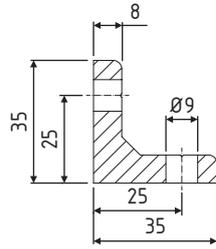
05.01153.10



ALUWINKEL
ALUBRACKET
EQUERRE DE ALU



35x35



A

05.01157.00

B

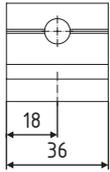
05.01158.00

C

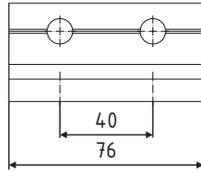
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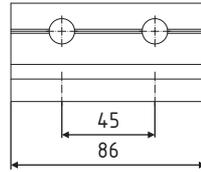
A



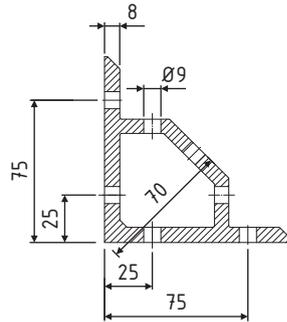
B



C



98x98



A

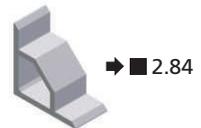
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B

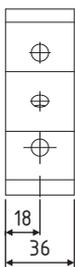
05.01156.00

C

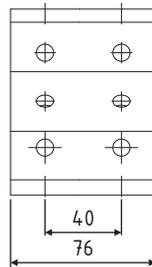
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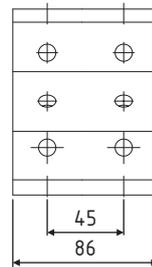
A



B



C



Ermittlung der Strebenlänge:

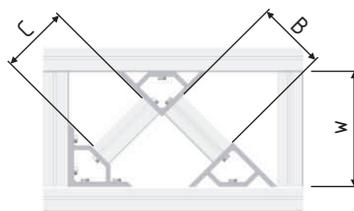
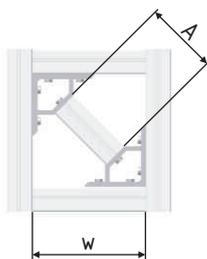
Determination of the prop length:

Détermination longueur de jambe:

$$A = \sqrt{2W^2} - 140$$

$$B = \sqrt{2W^2} - 148$$

$$C = \sqrt{2W^2} - 148$$

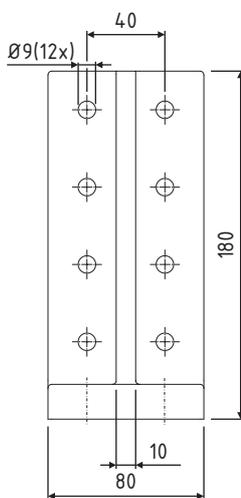


Technische Änderungen vorbehalten

WINKELKONSOLE
ANGLE CONSOLE
CONSOLE D'ANGLE

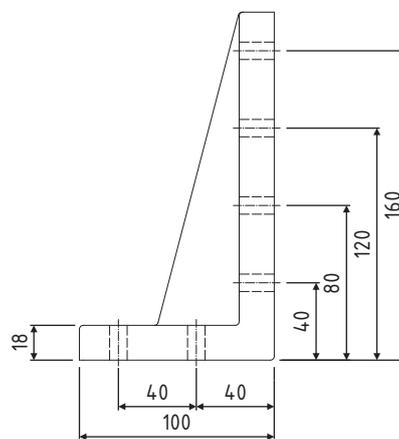


80x180



Gd-Al

05.02252.00





WINKELVERBINDERELEMENT-2

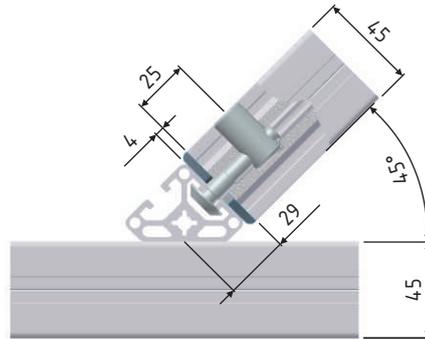
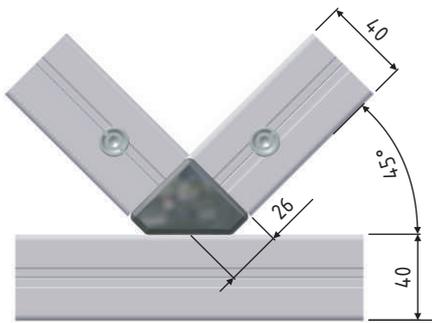
ANGLE ELEMENT-2

ELEMENTS D'ANGLE-2

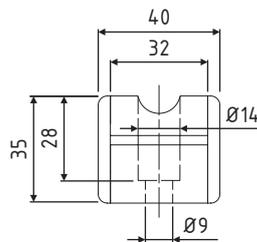


8 Beidseitige Anwendung möglich
Reciprocal application possible
Application mutuelle possible

10 Nur einseitige Anwendung möglich
Only one-sided application possible
Application seulement unilatérale possible



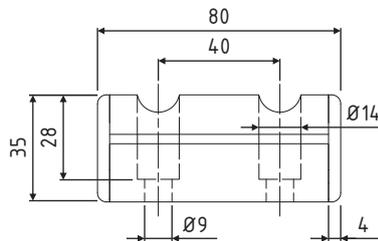
8/40-2



8 05.01574.00

- 1x
- 2x
- 1x
- 1x

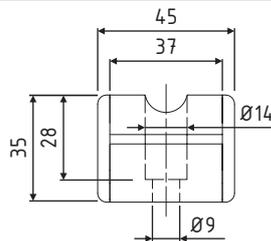
8/80-2



8 05.01575.00

- 1x
- 2x
- 2x
- 2x

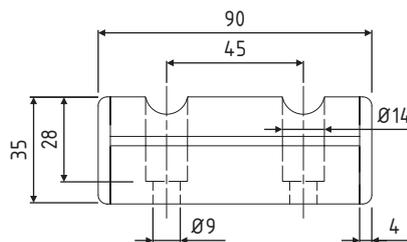
10/45-2



10 05.01576.00

- 1x
- 2x
- 1x
- 1x

10/90-2



10 05.01577.00

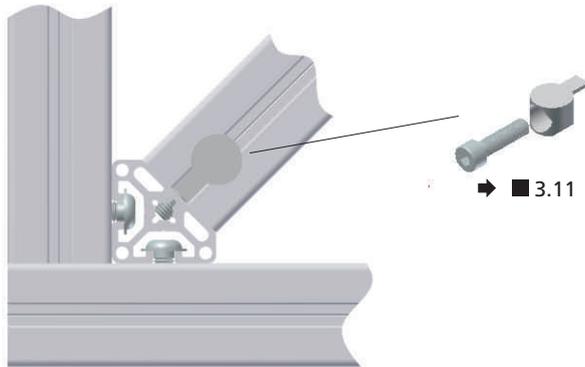
- 1x
- 2x
- 2x
- 2x

Technische Änderungen vorbehalten

WINKELVERBINDERELEMENT-1

ANGLE ELEMENT-1

ELEMENTS D'ANGLE-1



Die Querstrebe wird durch zwei UNI-Verbinder (Zentrierfahnen abgebrochen) befestigt.

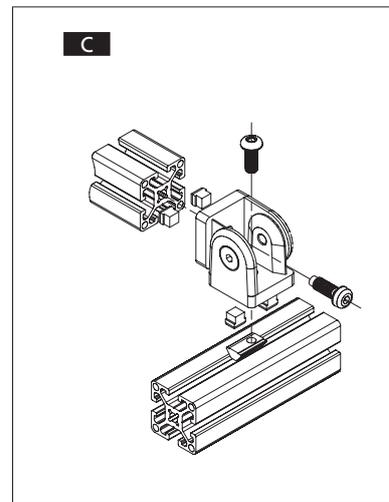
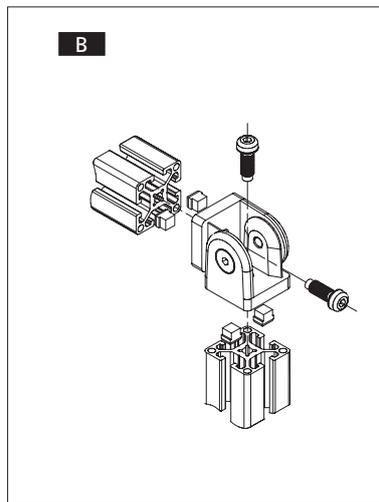
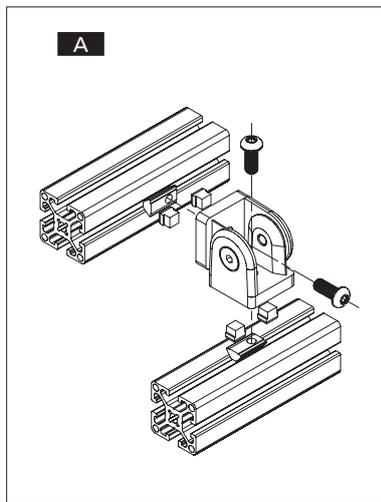
The cross-struts are fastened in place by two UNI connectors (centering lugs broken off).

La traverse est fixée par deux fixations UNI.

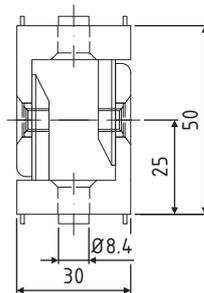
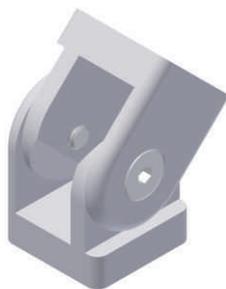
8/40-1			05.01578.00	<ul style="list-style-type: none"> 1x 2x 2x 2x
8/80-1			05.01579.00	<ul style="list-style-type: none"> 1x 2x 4x 4x



GELENKE
JOINTS
ARTICULATIONS

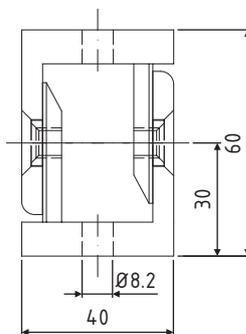
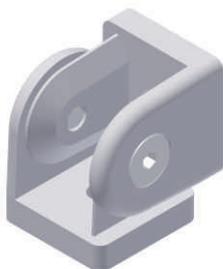


30x30



		05.01855.00
	A	05.01855.05
	B	05.01855.06
	C	05.01855.07
	Universal	05.01855.20
		05.01852.00
	+	05.01856.50
	+	05.01852.50

40x40



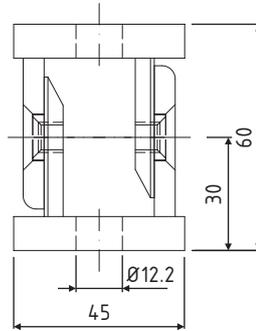
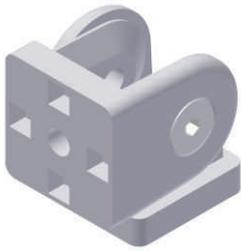
		05.01856.00
	A	05.01856.05
	B	05.01856.06
	C	05.01856.07
	Universal	05.01856.20
		05.01853.00
	+	05.01856.50
	+	05.01853.50

Technische Änderungen vorbehalten

GELENKE
JOINTS
ARTICULATIONS



45x45



- 
05.01857.00
- 
A
05.01857.05
- 
B
05.01857.06
- 
C
05.01857.07
- Universal**
05.01857.20
- 
05.01854.00
- 
- 
+

05.01857.50
- 
+

05.01854.50



Technische Änderungen vorbehalten



WINKEL UND GELENKE BRACKETS AND JOINTS EQUERRES ET ARTICULATIONS



Innovative Vorteile:

- Mit einstellbarer Friktion zur stufenlosen Regulierung des Reibungswiderstandes bzw. zur Fixierung in einer definierten Position

Innovative advantages:

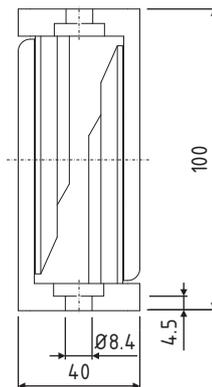
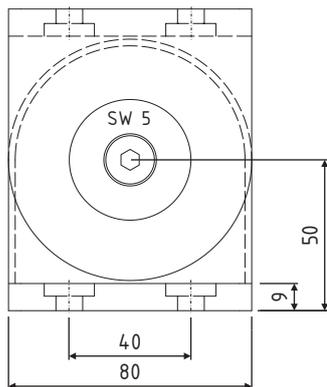
- With adjustable friction for step-free regulation of frictional resistance or To fasten in a specific position

Atouts novateurs:

- Avec friction réglable, permettant la régulation progressive de la résistance à la friction ou pour la Fixation à une position définie.

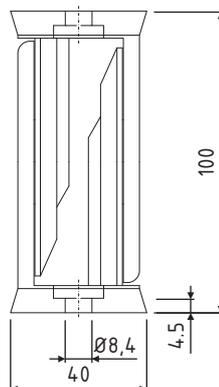
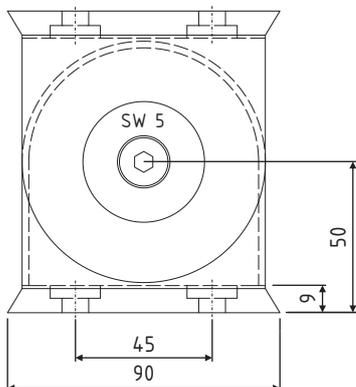


40x80



	05.01475.00
A	05.01475.05
B	05.01475.06
C	05.01475.07
	Auf Anfrage On request Sur demande
+	05.01475.50
+	Auf Anfrage On request Sur demande

45x90



	05.01476.00
A	05.01476.05
B	05.01476.06
C	05.01476.07
	05.01565.00
+	05.01476.50
+	05.01565.50

Technische Änderungen vorbehalten

BODENELEMENTE (RÄDER, FÜSSE), PLATTEN
FEET, WHEELS, PLATES
PIEDS, ROUES, EMBASES



■ 5.02



■ 5.04



■ 5.06



■ 5.08



■ 5.10



■ 5.12



■ 5.13



■ 5.13



■ 5.14



■ 5.17



■ 5.18



■ 5.20



GEWINDEFÜSSE KUNSTSTOFFTELLER

BASE CONNECTORS WITH PLASTIC PLATE

PIEDS ARTICULES A EMBASE POLYAMIDE



Ø30

M 8 x 69	05.01480.00
M 8 x 109	05.01481.00
M10 x 74	05.01482.00
M10 x 119	05.01483.00

Ø40

M 8 x 69	05.01484.00
M 8 x 109	05.01485.00
M10 x 74	05.01486.00
M10 x 119	05.01487.00
M12 x 95	05.01488.00
M12 x 129	05.01489.00

Ø58

M12 x 95	05.01490.00
M12 x 129	05.01491.00
M16 x 95	05.01492.00
M16 x 129	05.01493.00

Ø80

M12 x 95	05.01625.00
M12 x 129	05.01626.00
M16 x 95	05.01627.00
M16 x 129	05.01628.00

GewindefüÙe mit Kunststoffteller

Base connector with plastic plate

Pieds articulés à embase polyamide

• Ausführungen

Teller PA, schwarz
 Gewindestindel Stahl, verzinkt

• Designs

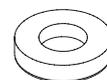
Plate PA, black
 Threaded spindle steel, galvanized

• Matières

Embase PA, noir
 Tige acier, zingué

F_{max} ↓

M8 = 4000 N
 M10 = 6000 N
 M12 = 8000 N
 M16 = 10000 N



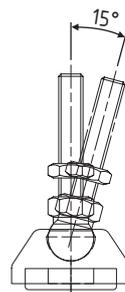
Dämpfungsring
 Damper ring
 Semelle caoutchouc

Ø30 05.01480.90

Ø40 05.01484.90

Ø58 05.01490.90

Ø80 05.01625.90



Neigung bis zu 15° möglich

Angles up to 15° possible

Inclinaison max. 15°

GEWINDEFÜSSE STAHLTELLER

BASE CONNECTORS WITH STEEL PLATE

PIEDS ARTICULES A EMBASE ACIER



Ø30

M 8 x 65

A 05.01450.00

Ø44

M12 x 85

A 05.01204.00

B 05.01452.00

M12 x 145

A 05.01205.00

B 05.01453.00

M16 x 85

A 05.01235.00

B 05.01237.00

M16 x 145

A 05.01236.00

B 05.01238.00

Ø58

M12 x 85

A 05.01454.00

B 05.01458.00

M12 x 145

A 05.01455.00

B 05.01459.00

M16 x 85

A 05.01456.00

B 05.01460.00

M16 x 145

A 05.01457.00

B 05.01461.00

Ø90

M16 x 85

A 05.01206.00

B 05.01462.00

M16 x 145

A 05.01207.00

B 05.01463.00

GewindefüÙe mit Stahlteiler
Base connector with steel plate
Pieds articulés à embase acier

- Ausführungen**
 - Teller **A** Stahl, verzinkt
 - B** Stahl, schwarz beschichtet
 - Gewindespindel Stahl verzinkt
- Designs**
 - Plate **A** steel, galvanized
 - B** steel, black coated
 - Threaded spindle steel, galvanized
- Matières**
 - Embase **A** acier, zingué
 - B** acier, peinture noire
 - Tige acier, zingué

Ø44 05.01465.00

Ø58 05.01466.00

Ø90 05.01467.00

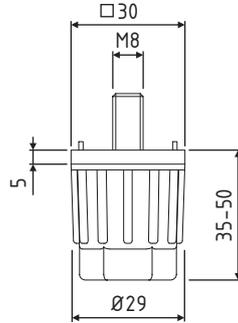
Dämpfungsring
Damper ring
Semelle PU



HÖHENVERSTELLER

HEIGHT ADJUSTER

PIEDS VERINS



A



05.01468.00

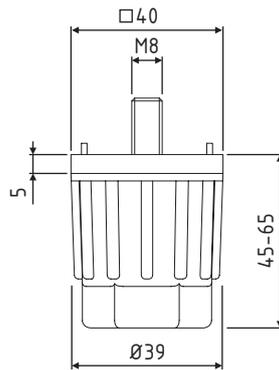
B



1x

05.01870.00

PA 6
schwarz
black
noir



A



05.01464.00

B



1x

05.01652.00

PA 6
schwarz
black
noir

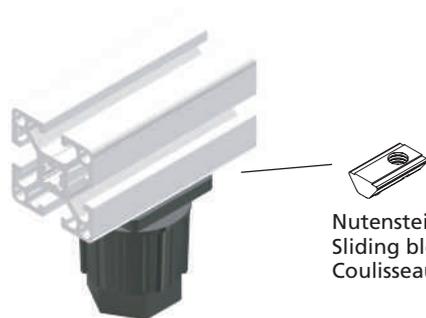
Anbau an Profilstirnseite
Connection on profile front side
Montage en bout de profilé

A



Anbau an Profilnut
Connection to profile slot
Montage parallèle

B



Nutenstein
Sliding block
Coulisseau

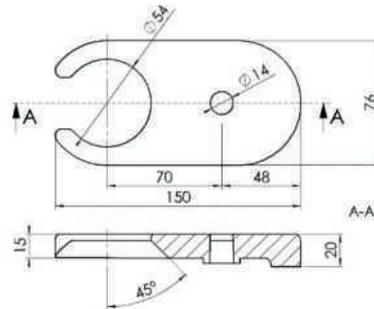
Technische Änderungen vorbehalten

BODENELEMENTE (RÄDER, FÜSSE), PLATTEN
FEET, WHEELS, PLATES
PIEDS, ROUES, EMBASES



Klemmlasche

Clamping strap · Fixation au sol



Ø 60 05.01346.00

Ø 80 05.01347.00



TRANSPORT- UND FUSSPLATTEN

TRANSPORT AND BASE PLATES

EMBASES D'EXTREMITE



20x40

* M5x20 (2x) St, vz.

M8 05.01826.00

40x40

* M5x20 (4x) St, vz.

M8 05.01827.00

M10 05.01828.00

M12 05.01829.00

30x60

* M8x20 (2x) St, vz.

M8 05.01844.00

M10 05.01845.00

M12 05.01846.00

60x60

* M8x20 (4x) St, vz.

M8 05.01695.00

M10 05.01696.00

M12 05.01697.00

40x80

* M8x30 (2x) GD-Zn

M10 05.01225.00

M12 05.01226.00

M16 05.01227.00

80x80

* M8x30 (4x) GD-Zn

M10 05.01228.00

M12 05.01229.00

M16 05.01230.00

Technische Änderungen vorbehalten

TRANSPORT- UND FUSSPLATTEN

TRANSPORT AND BASE PLATES

EMBASES D'EXTREMITE



45x90

GD-Zn

M10	05.01294.00
M12	05.01295.00
M16	05.01296.00

* M12x40 (2x)

90x90

GD-Zn

M10	05.01297.00
M12	05.01298.00
M16	05.01299.00

* M12x40 (4x)

50x100

St, vz.

M12	05.01685.00
M16	05.01686.00

* M12x40 (2x)

100x100

St, vz.

M12	05.01687.00
M16	05.01688.00

* M12x40 (4x)

Anbausatz
Adapter Kit
Kit de Montage

DIN 7984

A

B

Die Senkungen der einzelnen Platten sind für Zylinderschrauben DIN 7984 ausgelegt.
Countersinking on the individual plates designed for DIN 7984 cylinder screws.
Le lagage des plaques est DIN 7984.

A → ■ 3.18 + → ■ 3.26

B → ■ 3.18

→ ■ 3.18 + → ■ 3.29

Technische Änderungen vorbehalten



FUNDAMENTWINKEL

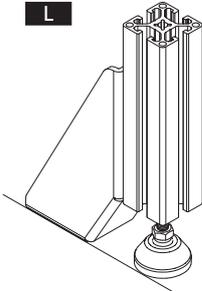
FOUNDATION BRACKET

EQUERRES D'ANCRAGE AU SOL



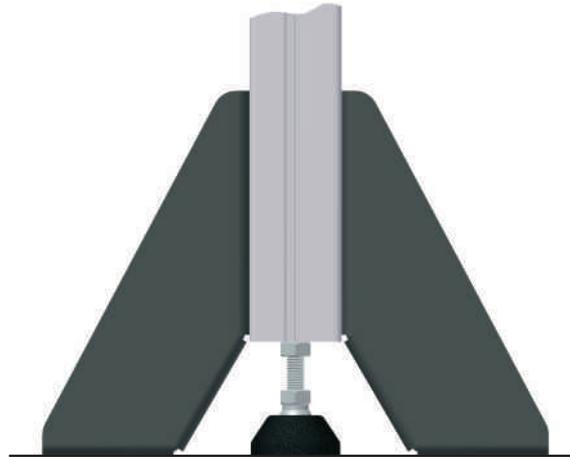
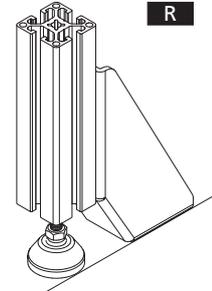
Ausführung links
Design left
Version gauche

L



Ausführung rechts
Design right
Version droite

R



Stahl, schwarz beschichtet
Steel, black coated
Acier, peinture noire



Befestigung mit
Hammerschrauben

Fastened with
hammerhead screws

Fixation par vis 1/4
de tour

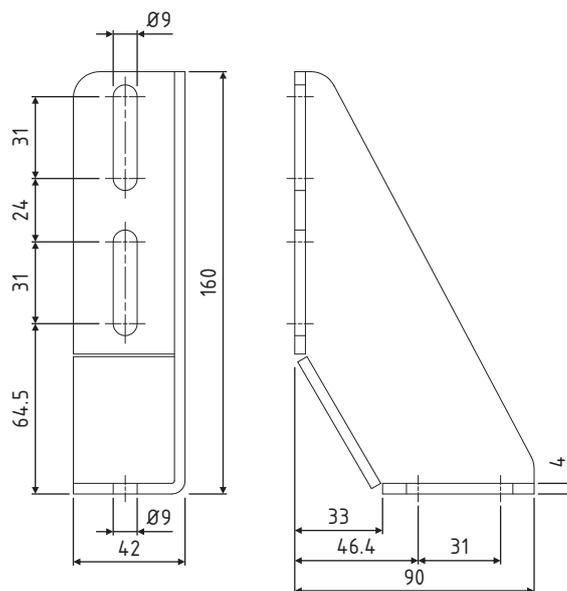


Fundamentschraube
separat bestellen

Foundation screw
order separately

Cheville d'ancrage
commander séparément

160



R 05.01168.00

R + 2x 05.01168.05

L 05.01169.00

L + 2x 05.01169.05

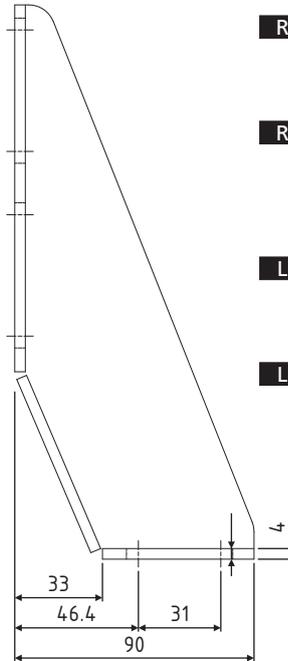
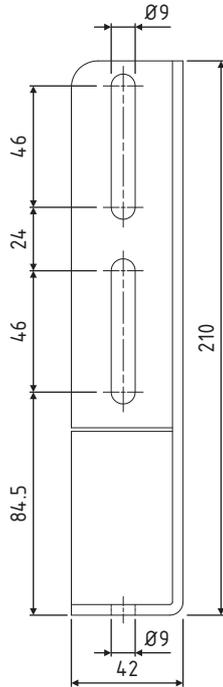
1x 05.01172.00

Technische Änderungen vorbehalten

FUNDAMENTWINKEL FOUNDATION BRACKET EQUERRES D'ANCRAGE AU SOL



210



R 05.01170.00

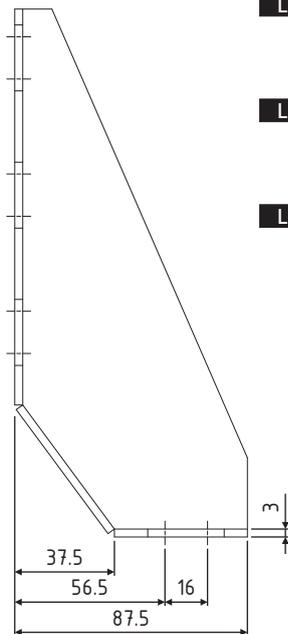
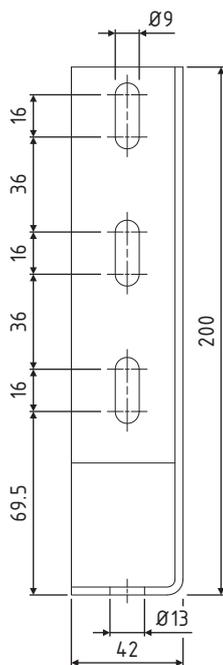
R + 2x 05.01170.05

L 05.01171.00

L + 2x 05.01171.05

1x 05.01172.00

ECO



L 05.01174.00

L + 3x 05.01174.05

L + 3x + 1x 05.01174.50

1x 05.01172.00

Stahl, verzinkt
Steel, galvanized
Acier, zingué

5

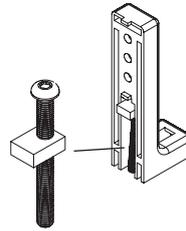
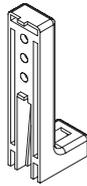
Technische Änderungen vorbehalten



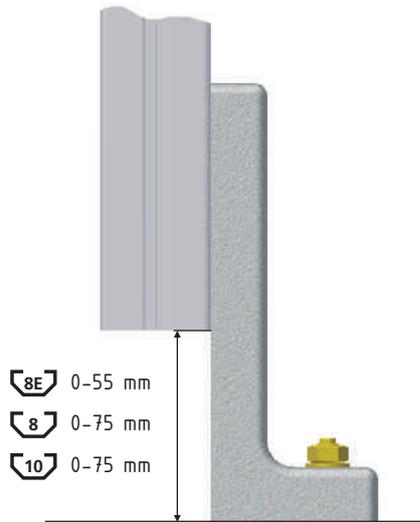
BODENWINKEL FLOOR BRACKETS EQUERRES D'ANCRAGE AU SOL



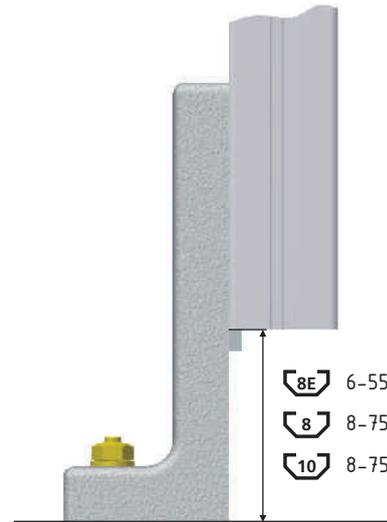
Bodenwinkel ohne Stellschraube
Floor bracket without adjusting screw
Equerre d'ancrage sans vis de réglage



Bodenwinkel mit Stellschraube
Floor bracket with adjusting screw
Equerre d'ancrage avec vis de réglage



Befestigung mit
Verbinderschraube
Fastening with
connector screw
Fixation par vis ISO
et écrou à bille



GD-Zn blank
bare nature

schwarz
black noir

05.xxxxx.0x

05.xxxxx.1x



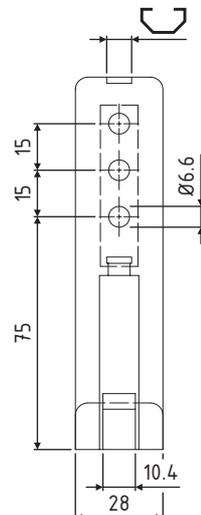
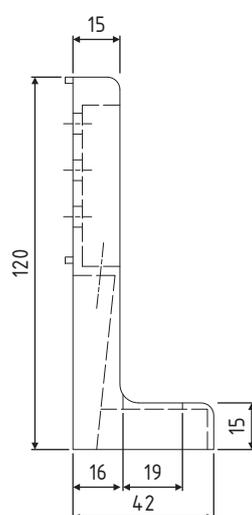
Fundamentschraube
separat bestellen

Foundation screw
order separately

Cheville d'ancrage
commander séparément

05.01172.00

30x120



05.02225.x0



05.02225.x5



05.02225.x6



05.02199.x0



05.02199.x5

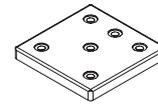
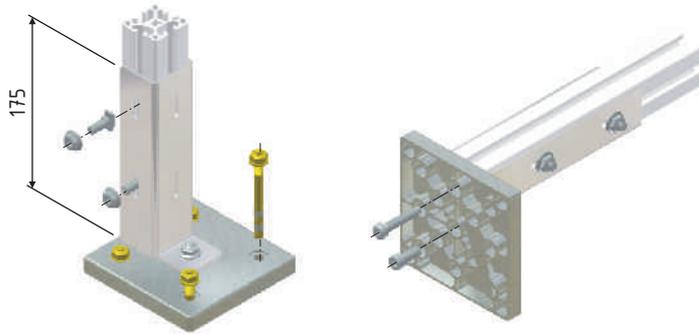
Technische Änderungen vorbehalten



BODENPLATTEN

BASE PLATES

EMBASES DE PIÈTEMENT



Bodenplatte
Base Plate
Embase de piètement

GD-Zn



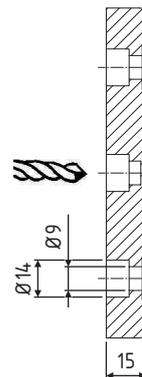
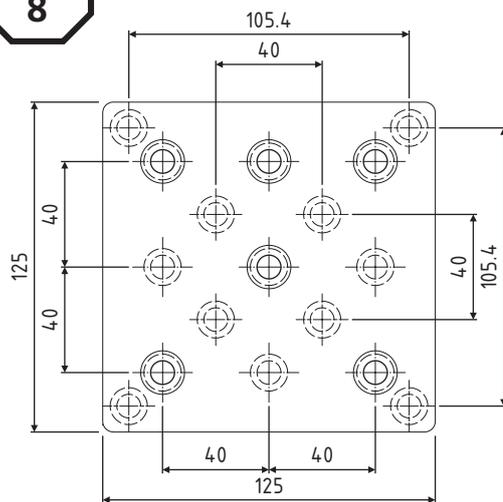
Stützwinkel
Support Bracket
Fourreau

St, vz

Vielseitige Anordnung der Profile
40x40, 40x80 und 80x80 bzw.
45x45, 45x90 und 90x90 möglich.

Versatile arrangement of profiles
40x40, 40x80 and 80x80 or
45x45, 45x90 and 90x90 possible.

Nombreuses possibilités d'agencement
des profilés 40x40, 40x80 und 80x80 ou
45x45, 45x90 et 90x90.



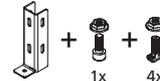
05.02040.00



05.01125.00



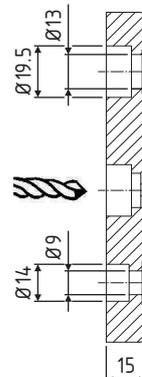
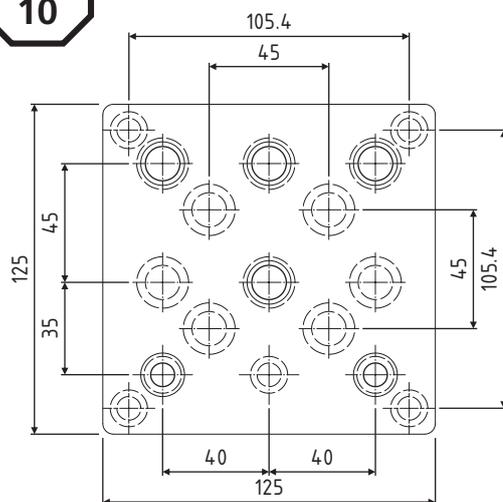
05.02042.00



05.02042.05



05.01172.00



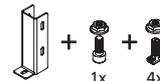
05.02041.00



05.01127.00



05.02043.00



05.02043.05



05.01172.00

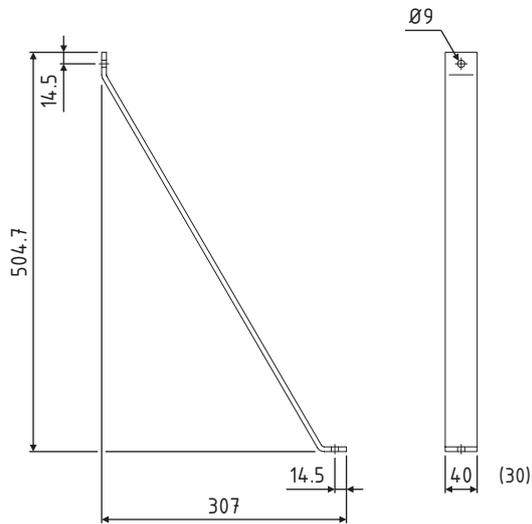
Technische Änderungen vorbehalten

BODENELEMENTE (RÄDER, FÜSSE), PLATTEN FEET, WHEELS, PLATES PIEDS, ROUES, EMBASES

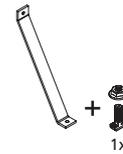


Stützstrebe

Support strut · Bras de renfort



Stahl, verzinkt
Steel, galvanized
Acier, zingué



B=30mm

05.02376.00

05.02376.05

B=40mm

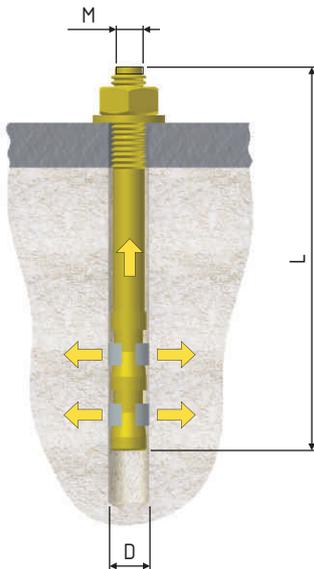
05.02038.00

05.02038.05

5

Fundamentschraube

Foundation screw · Cheville d'ancrage



Stahl, verzinkt
Steel, galvanized
Acier, zingué

M	L	D	
M8	86	Ø9	05.01172.00
M12	156	Ø13	05.01033.00

Technische Änderungen vorbehalten



TRANSPORT- UND LENKROLLEN

TRANSPORT AND GUIDE ROLLERS

ROULETTES DE TRANSPORT ET ROUES GUIDE



A



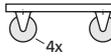
[mm]

F_{max} ↓



[N]

F_{max} ↓



[N]

Varianten
Versions
Variantes

Ø50

500

1500

➔ ■ 5.17



B



Ø75

600

1800

➔ ■ 5.18



Ø100

700

2100

➔ ■ 5.18



C



Ø80

600

1800

➔ ■ 5.19



Ø125

1000

3000

➔ ■ 5.19



D



Ø125

1500

4500

➔ ■ 5.20



Ø160

3000

9000

➔ ■ 5.20



E



Ø75

3000

9000

➔ ■ 5.23

Ø80

2000

6000

➔ ■ 5.23



Ø125

4500

13500

➔ ■ 5.23

Technische Änderungen vorbehalten

TRANSPORT- UND LENKROLLEN

TRANSPORT AND GUIDE ROLLERS

ROULETTES DE TRANSPORT ET ROUES GUIDE



Rolle für geringe Lasten und ebenenglatte Böden geeignet.

Ausführung: Kunststoff PA6

Roller suitable for small loads and level smooth surfaces.

Finish: Plastic PA 6

Roulette adaptée pour faibles charges et sols plans.

Matière: Pa6

Kostengünstige Rolle für leichte bis mittlere Lasten bei Industrieböden.
Gehäuse: stabiles Stahlblech, gepresst, verzinkt-chromatiert
Drehkranz: zweifache Kugellagerung, minimales Spiel, für leichtgängigen Lauf
Achse: Stahl verzinkt, Gleitlagerung
Rad: Vollgummi, grau, 80° Shore A
Radkörper: Polyamid, schwarz

Economical rollers for light to medium loads on industrial floors.
Housing: Sturdy sheet steel, Pressed, zinc-chromatised
Bearing ring: Twin ball Bearing, minimum play for easy running
Axle: Steel galvanised, slide
Bearing Wheel: Solid rubber, grey, 80° Shore A
Wheel casing: Polyamide, black

Roulettes de prix avantageux pour charges légères à moyennes sur sols industriels.
Carter: tôle d'acier robuste, matricé, zingué, chromaté
Couronne de pivotement: double roulement à billes, jeu minime, pour une grande souplesse de roulement
Axe: Acier zingué, coussinet lisse
Roue: Caoutchouc plein, gris 80° shore A
Corps de roue: Polyamide, noir

Rolle in guter Qualität für leichte bis mittlere Lasten bei Industrieböden.
Gehäuse: stabiles Stahlblech, gepresst, verzinkt-chromatiert
Drehkranz: zweifache Kugellagerung, minimales Spiel, für leichtgängigen Lauf
Achse: Stahl verzinkt, Kugellagerung
Rad: Vollgummi, grau, 80° Shore A
Radkörper: Polyamid, schwarz

Good quality rollers for light to medium loads on industrial floors.
Housing: Sturdy sheet steel, pressed, zinc-chromatised
Bearing ring: Twin ball bearing, minimum play for easy running
Axle: Steel galvanised, ball bearing
Wheel: Solid rubber, grey, 80° Shore A
Wheel casing: Polyamide, black

Roulette de bonne qualité pour charges légères à moyennes sur sols industriels.
Carter: tôle d'acier robuste, matricé, zingué
Couronne de pivotement: double roulement à billes, faible jeu, grande souplesse de roulement
Axe: Acier zingué, roulement à billes
Roue: Caoutchouc plein, gris 80° shore A
Corps de roue: Polyamide, noir

Stabile, robuste Rolle für mittlere bis schwere Lasten.
Gehäuse: stabiles Stahlblech, gepresst, verzinkt-chromatiert
Drehkranz: zweifache Kugellagerung, minimales Spiel, für leichtgängigen Lauf
Achse: Stahl verzinkt, Gleitlagerung
Rad: Vollgummi, grau, 98° Shore A, abriebfest
Radkörper: Polyamid, hellgrau

Sturdy and rugged rollers for medium to heavy loads.
Housing: Sturdy sheet steel, pressed, zinc-chromatised
Bearing ring: Twin ball bearing, minimum play for easy running
Axle: Steel galvanised, slide
Bearing Wheel: Polyurethane, grey 98° Shore A, abrasion-proof
Wheel casing: Polyamide, light grey

Roulette stable et robuste pour charges moyennes à lourdes
Carter: Tôle d'acier robuste, Matricé, zingué
Couronne de pivotement: Double roulement à billes, faible jeu, grande souplesse de roulement
Axe: Acier zingué, coussinet lisse
Roue: Polyuréthane, gris 98° shore A, résistant à l'usure
Corps de roue: polyamide, gris clair

Fahr-Stopp-Rolle mit besten Laufeigenschaften und hoher Belastbarkeit für einen sicheren Stand.

Drive-Stop roller with top running characteristics and high load capacity, offering secure stand.

Roulette STOP&GO, excellentes propriétés de roulement et grande capacité de charge, offrant une grande stabilité.





TRANSPORT- UND LENKROLLEN

TRANSPORT AND GUIDE ROLLERS

ROULETTES DE TRANSPORT ET ROUES GUIDE



A



B



C



D



E



Technische Änderungen vorbehalten

DOPPELROLLE MIT / OHNE FESTSTELLER
DOUBLE ROLLER WITH / WITHOUT FASTENER
ROULETTE LEGERE AVEC / SANS BLOCAGE



Ø50 - stirnseitig

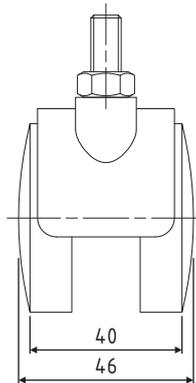
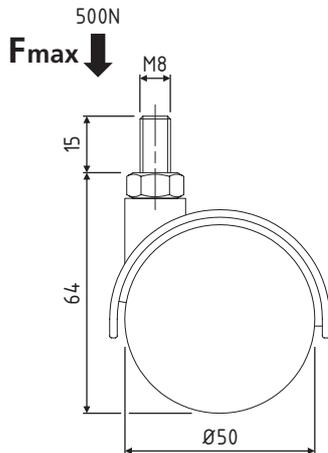
Ø50 front side · Ø50 coté frontal



05.01211.00



05.01213.00



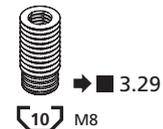
Anbausatz
 Adapter Kit
 Kit de montage



05.01248.00



05.01248.10



Ø50 - nutseitig

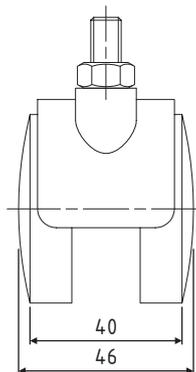
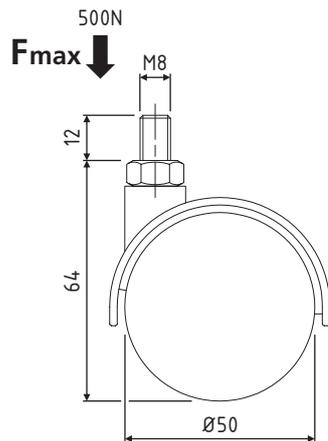
Ø50 groove side · Ø50 montage parallèle



05.01210.00



05.01212.00



Anbausatz
 Adapter kit
 Kit de montage



05.01249.00



Technische Änderungen vorbehalten



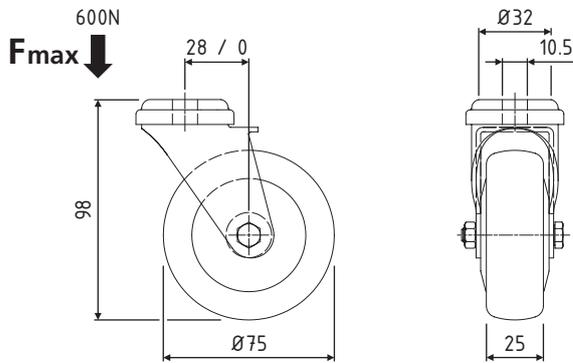
ROLLEN MIT RÜCKENLOCH

ROLLERS WITH REAR HOLE

ROULETTES AVEC TROU CENTRAL

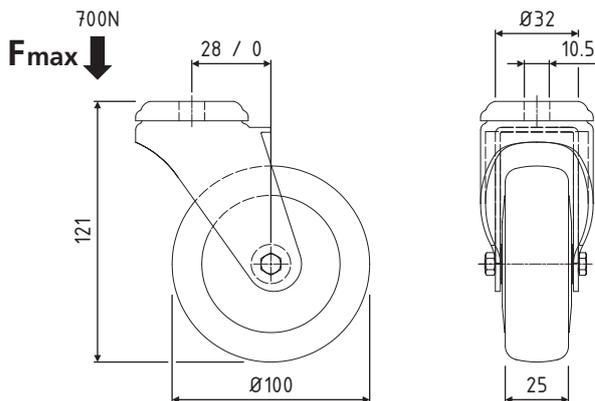


Ø75



- 05.01241.00**
- 05.01975.00**
- 05.01240.00**
- 05.01976.00**
- 05.01242.00**
- 05.01977.00**

Ø100

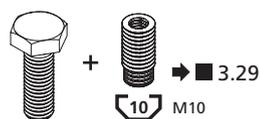


- 05.01244.00**
- 05.01978.00**
- 05.01243.00**
- 05.01979.00**

Anbausatz Profilstirnseite

Front-side profile adapter kit

Kit de montage en bout



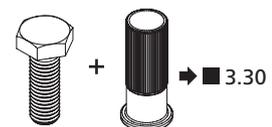
- M8x40
- M10x40

- 05.01998.00**
- 05.01999.00**

Anbausatz Profilnut

Groove profile adapter kit

Kit de montage parallèle



- M8x30
- M10x40

- 05.01681.00**
- 05.01997.00**

Technische Änderungen vorbehalten

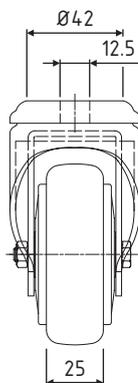
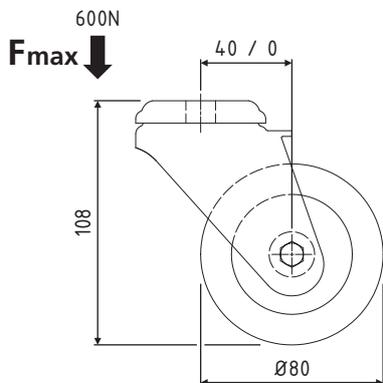
ROLLEN MIT RÜCKENLOCH

ROLLERS WITH REAR HOLE

ROULETTES AVEC TROU CENTRAL

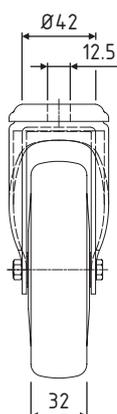
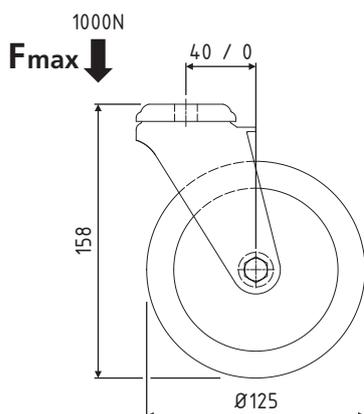


Ø80



- 05.01214.00**
- 05.01380.00**
- 05.01216.00**
- 05.01381.00**
- 05.01220.00**
- 05.01387.00**

Ø125



- 05.01215.00**
- 05.01382.00**
- 05.01217.00**
- 05.01383.00**
- 05.01219.00**
- 05.01386.00**

Anbausatz Profilstirnseite

Front-side profile adapter kit
Kit de montage en bout



M8x40

M12x45

05.01218.00

05.01218.10

Anbausatz Profilnut

Groove profile adapter kit
Kit de montage parallèle



+



→ ■ 3.30

M12x45

05.01384.00

Technische Änderungen vorbehalten



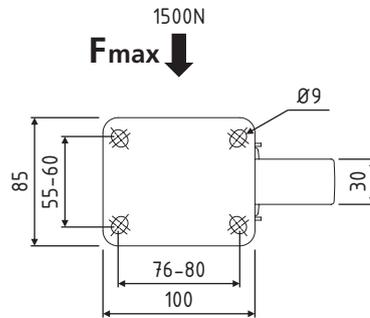
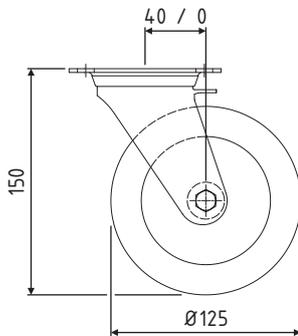
ROLLEN MIT ANSCHRAUBPLATTE

ROLLERS WITH SCREW ON PLATE

ROULETTES AVEC PLATINE



Ø125



05.01246.00

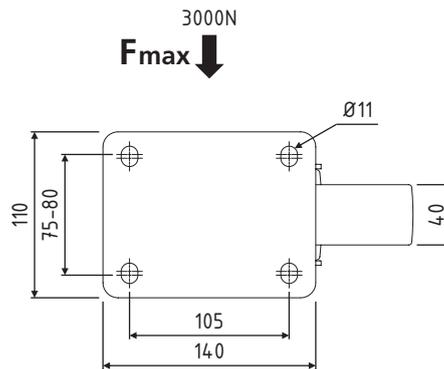
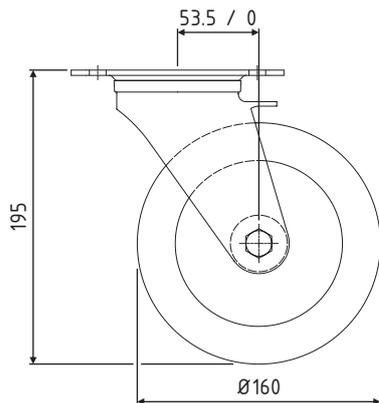


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05.01247.00

Ø160



05.01521.00

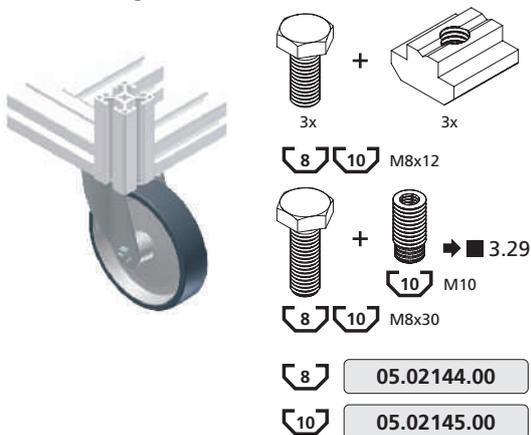


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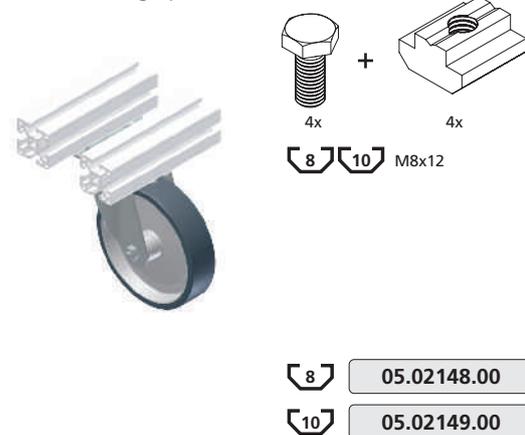


05.01522.00

Anbausatz Profilstirnseite Front-side profile adapter kit Kit de montage en bout



Anbausatz Profilnut Groove profile adapter kit Kit de montage parallèle



Technische Änderungen vorbehalten

FADENSCHUTZ
THREAD COVERS
PARE-FILS



Ø75 ➔ ■ 5.18

Stahl, verzinkt
 Steel, galvanized
 Acier, zingué

 **05.01524.00**

Ø80 ➔ ■ 5.19

Stahl, verzinkt
 Steel, galvanized
 Acier, zingué

 **05.01525.00**

Ø100 ➔ ■ 5.18

Stahl, verzinkt
 Steel, galvanized
 Acier, zingué

 **05.01526.00**

Ø125 ➔ ■ 5.19

Stahl, verzinkt
 Steel, galvanized
 Acier, zingué

 **05.01527.00**

Ø125 ➔ ■ 5.20

Stahl, verzinkt
 Steel, galvanized
 Acier, zingué

 **05.01529.00**

Ø160 ➔ ■ 5.20

Stahl, verzinkt
 Steel, galvanized
 Acier, zingué

 **05.01539.00**

Technische Änderungen vorbehalten



FAHR-STOPP-ROLLEN

STOP-GO CASTORS

ROULETTES STOP-GO



Lenkrollen mit integriertem, stabilem Maschinenfuß und NBR-Gummieinlage. Einsatz bei fahrbaren Apparaten, Maschinen und Transportgeräten, welche sicher in Standposition gebracht werden müssen.

Steering castors with integrated sturdy machine foot and NBR rubber insert. The lift castors are used wherever equipment, machinery and transport means have to be secured in a standing position.

Roulettes de guidage avec pied de machine robuste intégré et noyau de caoutchouc NBR. Les roulettes stop-go s'utilisent partout où il est nécessaire de pouvoir bloquer fiablement les appareils, machines et chariots mobile en position fixe.

Innovative Vorteile

- Stabile Ausführung
- Sichere Standfestigkeit
- Hohe Belastbarkeit
- Leichte Betätigung
- Verzinkte Ausführung
- Edelstahl-Ausführung mit verstärktem Gehäuse

Innovative advantages

- Sturdy design
- High stability
- Hard-wearing
- Easy to operate
- Galvanised steel design
- Stainless steel design with reinforced housing

Atouts novateurs

- Exécution robuste
- Stabilité fiable
- Capacité de charge élevée
- Maniement facile
- Version zinguée
- Version inox avec cadre renforcé

Ausführungen

Designs · Versions

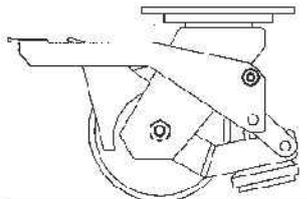
A Stahl, verzinkt mit PU-Rad
Steel, galvanized with polyurethane wheel
Acier, zingué avec roulette polyuréthane

B Stahl, verzinkt mit PA-Rad
Steel, galvanized with polyamide wheel
Acier, zingué avec roulette polyamide

C Edelstahl mit PA-Rad
Stainless steel with polyurethane wheel
Inox avec roulette polyuréthane

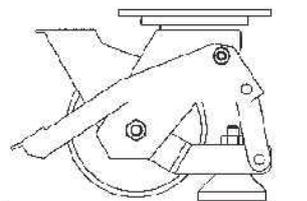
... fahren

go
mobile



... stoppen

stop
bloquée



Anbausatz ➔ ■ 5.20
Adapter kit
Kit de montage

Technische Änderungen vorbehalten

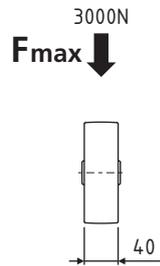
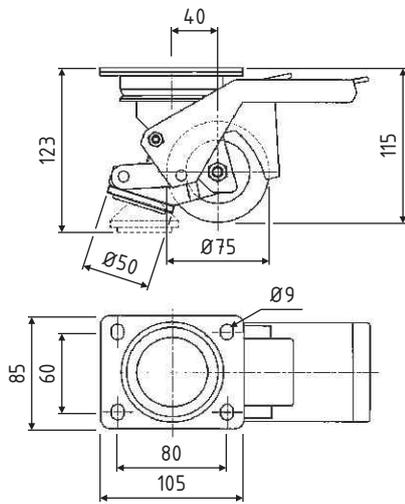
FAHR-STOPP-ROLLEN

STOP-GO CASTORS

ROULETTES STOP-GO



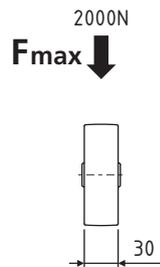
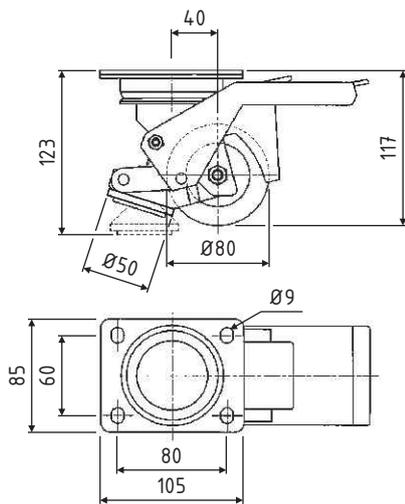
Ø75



A 08.80001.00

B 08.80003.00

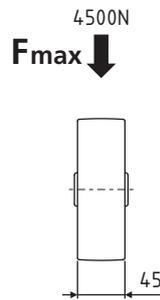
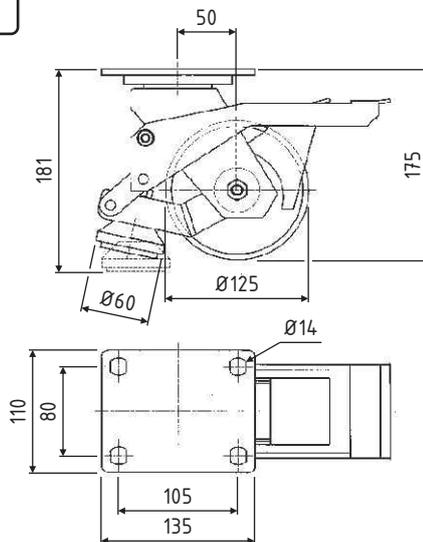
Ø80



A 08.80010.00

B 08.80011.00

Ø125



A 08.80002.00

B 08.80004.00

C 08.80005.00

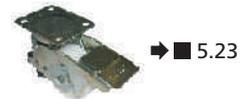
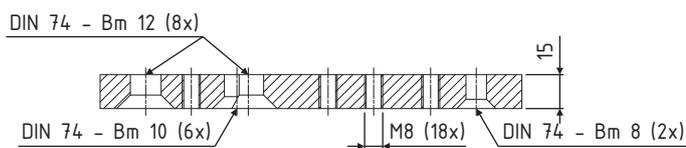
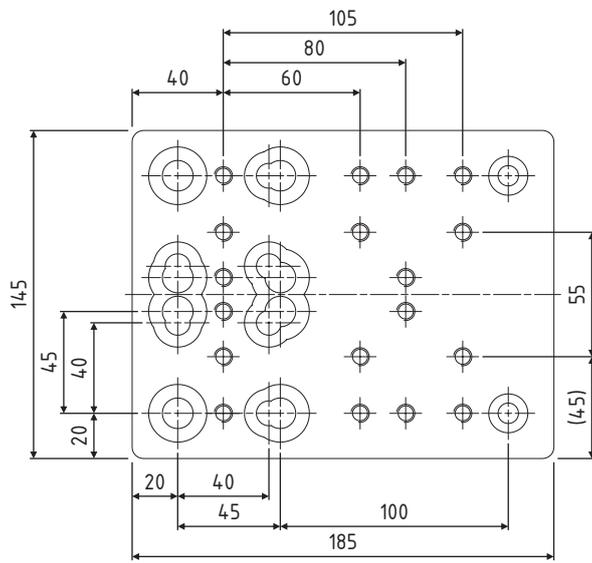
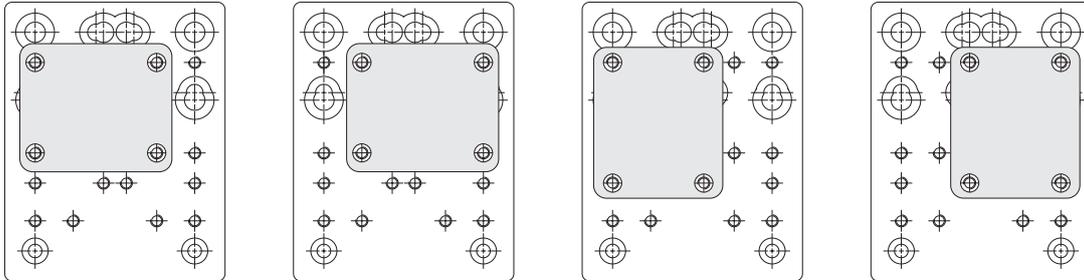
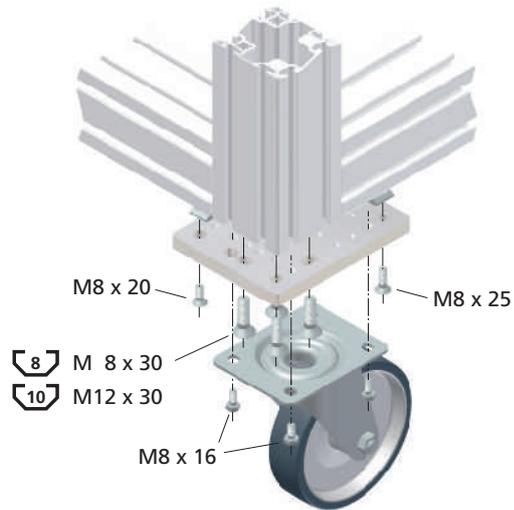


ANSCHRAUBPLATTE SCREW-ON PLATE INTERFACE ROULETTE

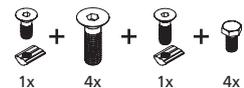


Anwendung

Application · Application

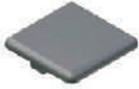


Anbausatz
Adapter kit
Kit de montage



Technische Änderungen vorbehalten

ZUBEHÖR
ACCESSOIRES
ACCESSOIRES



■ 6.02



■ 6.04



■ 6.05

NEW



■ 6.06



■ 6.07



■ 6.08



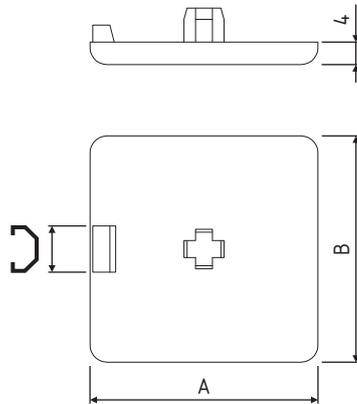
ABDECKKAPPEN KUNSTSTOFF

CAPS PLASTIC

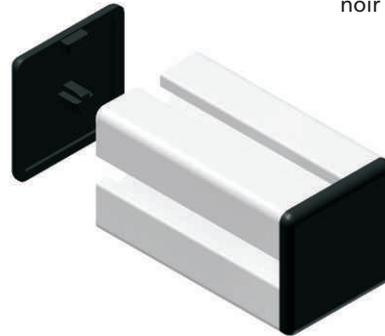
CACHES PLASTIQUE



Typ A



PA 6 schwarz
black
noir



16

8S



A x B

16 x 40 [05.01740.00](#)

16 x 80 [05.01741.00](#)

16 x 120 [05.01748.00](#)

16 x 160 [05.01747.00](#)

20

5



A x B

20 x 20 [05.01742.00](#)

20 x 40 [05.01743.00](#)

40 x 40 [05.01744.00](#)

30

8E

30 x 30 [05.01183.00](#)

30 x 60 [05.01587.00](#)

30 x 30-R [05.01773.00](#)

30^{10K}

8K

30 x 30 [05.01588.00](#)

30 x 60 [05.01589.00](#)

40

8

40 x 40 [05.01175.00](#)

40 x 80 [05.01176.00](#)

40 x 120 [05.01786.00](#)

40 x 160 [05.01188.00](#)

80 x 80 [05.01177.00](#)

80 x 120 [05.01787.00](#)

80 x 160 [05.01785.00](#)

40 x 40-R [05.01728.00](#)

40 x 40-45° [05.01745.00](#)

40^R

8

40R80-30° [05.01724.00](#)

40R80-45° [05.01725.00](#)

40R80-60° [05.01726.00](#)

40R80-90° [05.01727.00](#)

40^{10K}

8

40 x 40 [05.01311.00](#)

40 x 80 [05.01312.00](#)

Technische Änderungen vorbehalten

ABDECKKAPPEN KUNSTSTOFF

CAPS PLASTIC

CACHES PLASTIQUE



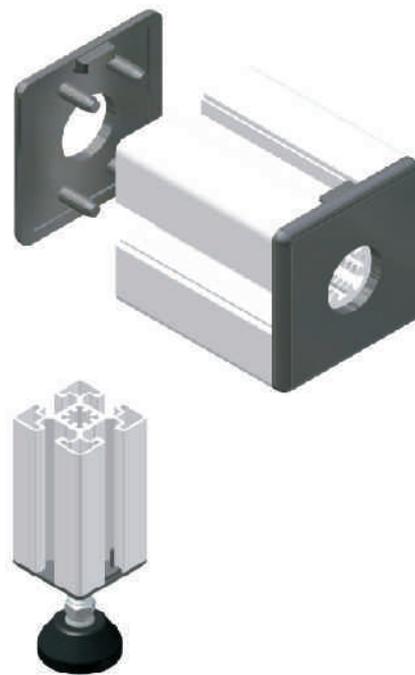
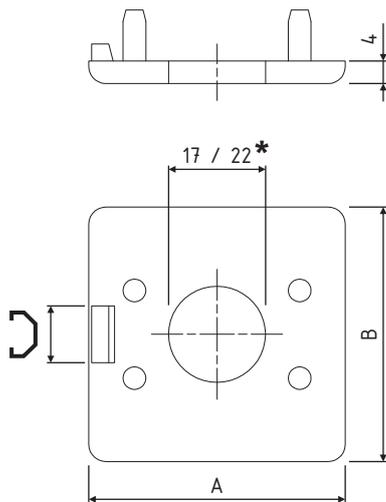
45 x 45	05.01178.00
45 x 60	05.01179.00
45 x 90	05.01180.00
45 x 180	05.02371.00
60 x 60	05.01181.00

60 x 90	05.01738.00
90 x 90	05.01182.00
90 x 90S	05.01739.00
45 x 45-R	05.01774.00



50 x 50	05.01720.00
50 x 100	05.01721.00
100x100	05.01722.00

Typ B



PA 6
schwarz
black
noir

6



A x B	
45 x 45	05.01184.00
45 x 60	05.01185.00
* 60 x 60	05.01345.00



A x B	
50 x 50	05.01723.00

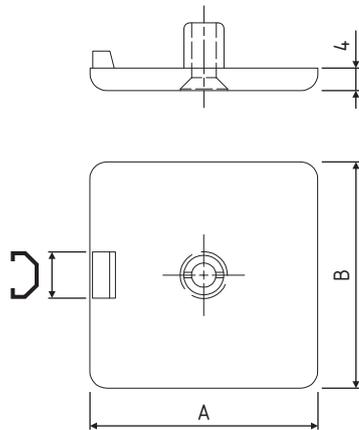
Technische Änderungen vorbehalten



ABDECKKAPPEN EINSCHLAGSCHRAUBE

CAPS WITH IMPACT SCREWS

CACHES AVEC A VIS



M4 x 16

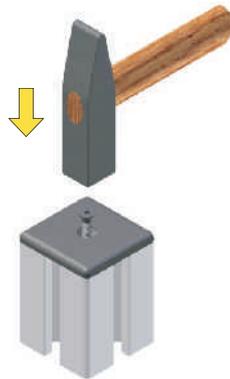


PA 6
schwarz
black
noir

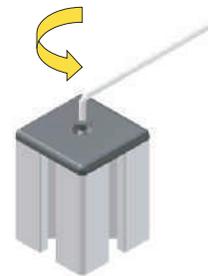
1. ... platzieren
position
positionner



2. ... einschlagen
knock in
enfonceur



... lösen
undo
dévissier



30

8E



A x B

30 x 30 [05.01775.00](#)

30 x 60 [05.01779.00](#)

40

8



A x B

40 x 40 [05.01776.00](#)

40 x 80 [05.01777.00](#)

80 x 80 [05.01778.00](#)

45

10

45 x 45 [05.01788.00](#)

45 x 60 [05.01789.00](#)

45 x 90 [05.01790.00](#)

60 x 60 [05.01791.00](#)

90 x 90 [05.01792.00](#)

Technische Änderungen vorbehalten

ABDECKKAPPEN ZINKDRUCKGUSS

CAPS DIECAST ZINC

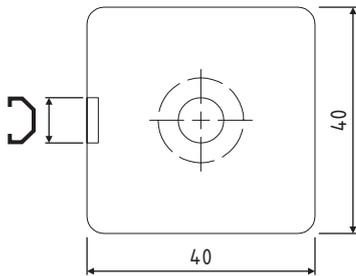
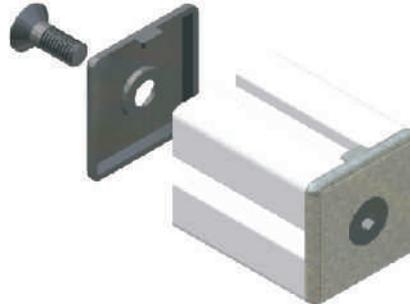
CACHES ZINC MOULE SOUS PRESSION



40

8

SF 7.1 x 16



A GD-Zn
natur
natural finish
naturel



+ 1x

05.01734.05

B GD-Zn
schwarz
black
noir



+ 1x

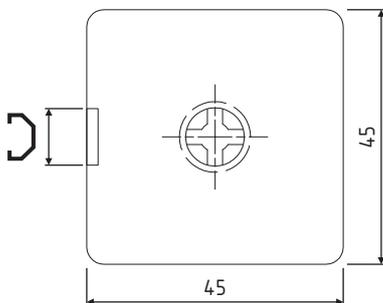
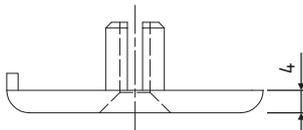
05.01735.05

6

45

10

M6 x 16



A GD-Zn
natur
natural finish
naturel



+ 1x

05.01736.05

B GD-Zn
schwarz
black
noir



+ 1x

05.01737.05

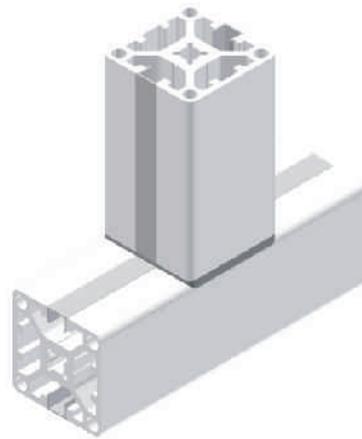
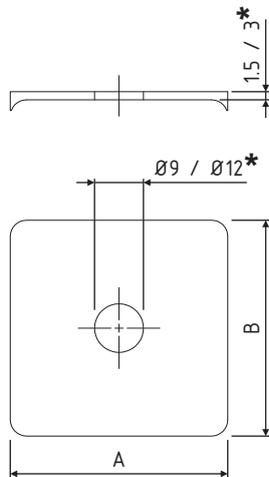
Technische Änderungen vorbehalten



RADIUSAUSGLEICH

RADIAL COMPENSATION

JOINT DE CONNEXION

**30****8E****A x B**

30 x 30

05.01690.00

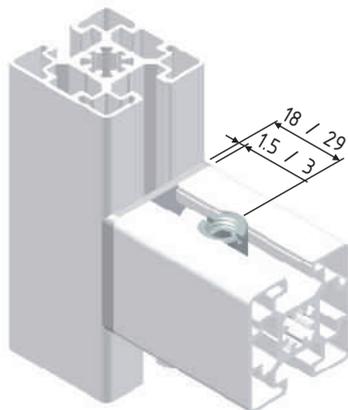
PA 6
lichtgrau
light grey
gris clair

40**8**

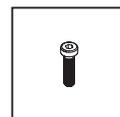
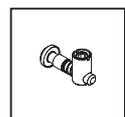
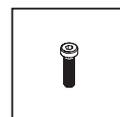
40 x 40

05.01691.00**45****10**

* 45 x 45

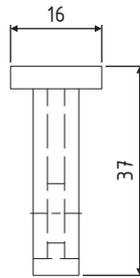
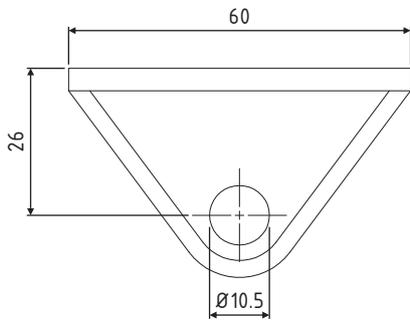
05.01719.00

Maße bei der Profilbearbeitung berücksichtigen
Take dimensions into account for profile processing
Cotes à prendre en compte pour l'usinage du profilé
➡ ■ 3.02 / ➡ ■ 3.16

30**40****45**

Technische Änderungen vorbehalten

SCHIENENGLEITER
SLIDE HANGER
COULISSEAU



PA 6
schwarz
black
noir

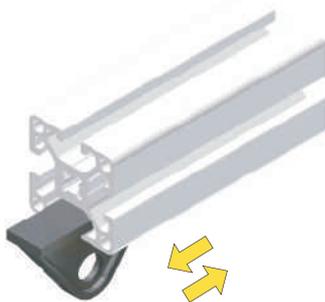
Schienenleiter

Slide hanger · Coulisseau



05.01192.00

6

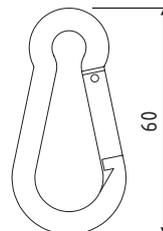


Karabinerhaken

Snap hook · Mousqueton



05.01193.00



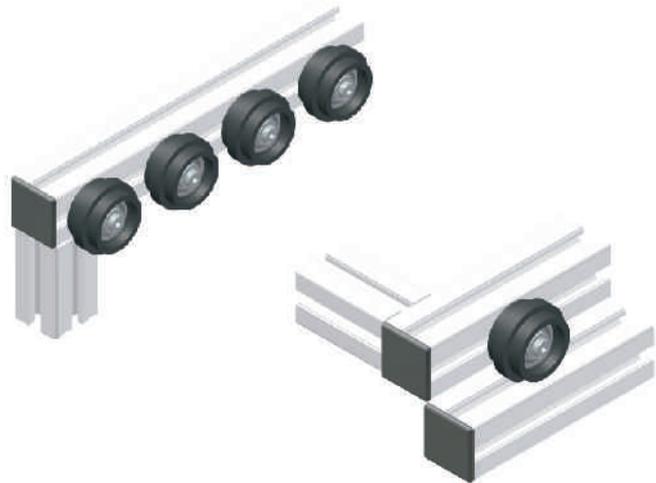
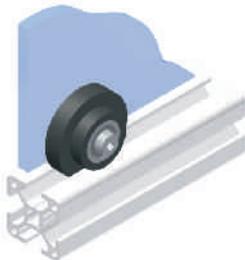
Technische Änderungen vorbehalten



LAUFROLLEN
ROLLERS
GALETS



PA 6
 schwarz
 black
 noir



Typ A

$F_{max} \downarrow$ 50N

Gleitlager
 Slide bearing
 Coussinet lisse

05.01624.00

Typ B

$F_{max} \downarrow$ 150N

Kugellager
 Ball bearing
 Roulement à billes

05.01622.00

Typ C

$F_{max} \downarrow$ 150N

Kugellager
 Ball bearing
 Roulement à billes

05.01623.00

Typ D

$F_{max} \downarrow$ 150N

Kugellager
 Ball bearing
 Roulement à billes

05.01638.00

Technische Änderungen vorbehalten

FLÄCHENELEMENTE

SURFACE ELEMENTS

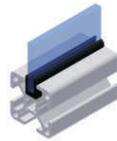
REEMPLISSAGE



■ 7.02



■ 7.03



■ 7.04



■ 7.05



■ 7.06



■ 7.06



■ 7.07



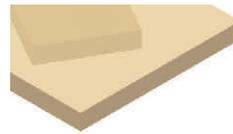
■ 7.08



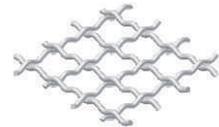
■ 7.09



■ 7.10



■ 7.11



■ 7.12



ABDECKPROFILE COVER PROFILES PROFILES DE PROTECTION



Innovative Vorteile

- Schließen der Profillfläche
- Verdeckte Kabel- bzw. Pneumatikschlauch-Durchführung
- Weitere Farben auf Anfrage

Innovative advantages

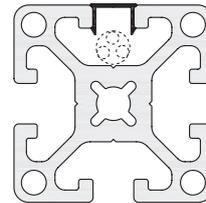
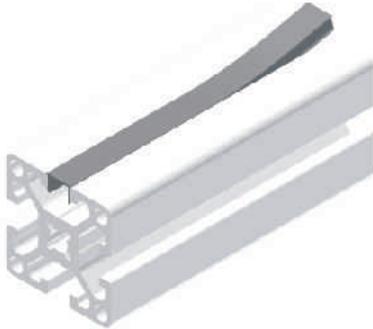
- Sealing profile surface
- Covered cable or pneumatic Hose channel
- Other colours on request

Atouts novateurs

- Obturer la rainure
- Recouvrir les passages de câbles ou flexibles pneumatiques
- Autres coloris sur demande

Anwendungsbeispiele

Sample applications • Exemples d'application



Kunststoff - Plastic - PVC

					RAL		
8E		PP	schwarz	black	noir	9011	05.02232.00
8K			lichtgrau	lightgrey	gris clair	7035	05.02233.00
			gelb	yellow	jaune	1018	05.02234.00
8		PP	schwarz	black	noir	9011	05.02235.00
			lichtgrau	lightgrey	gris clair	7035	05.02236.00
10		PVC	schwarz	black	noir	9011	05.01198.00
			lichtgrau	lightgrey	gris clair	7035	05.01698.00
			wasserblau	sea blue	bleu turquoise	5021	05.01197.10
			verkehrsblau	traffic blue	bleu	5017	05.01197.20

Aluminium

8E							05.01964.00
8K							
8							
10							
							05.01965.00

Technische Änderungen vorbehalten

ABDECK- UND EINFASSPROFILE

MOUNTING RIM PROFILES

PROFILES DE RECOUVREMENT ET D'ENCADREMENT



Innovative Vorteile

- Schließen der Profilfläche
- Sicherer Halt für Flächenelemente

Innovative advantages

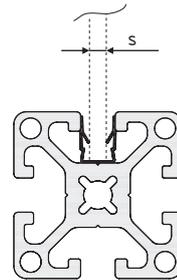
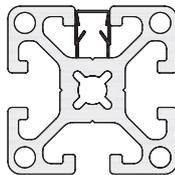
- Sealing the profile surfaces
- Secure hold for surface elements

Atouts novateurs

- Obturer la rainure
- Maintien sûr des éléments de Remplissage

Anwendungsbeispiele

Sample applications • Exemples d'application



							RAL	
5		PP	schwarz	black	noir	9011	05.01847.00	
			natur	natural	transparent		05.01848.00	
8E		PP	schwarz	black	noir	9011	05.01836.00	
8K			natur	natural	transparent		05.01832.00	
		PP+TPE	schwarz	black	noir	9011	05.01859.00	
			natur	natural	transparent		05.01833.00	
8		PP	schwarz	black	noir	9011	05.01837.00	
			natur	natural	transparent		05.01833.00	
			gelb	yellow	jaune	1023	05.01831.00	
		PP	natur	natural	transparent		05.01865.00	
10		PP+TPE	schwarz	black	noir	9011	05.01830.00	
			natur	natural	transparent		05.01865.00	
		PE	schwarz	black	noir	9011	05.01187.00	



DICHTPROFILE SEALING PROFILE PROFILES D'ISOLEMENT



Innovative Vorteile

- Aufnahme von Scheiben und Flächen-elementen
- Konstruktion von dichten Flächen-elementen
- Einfache und schnelle Montage
- Material: TPE, schwarz
- 65 Shore
- PE : 50m

Innovative advantages

- Locating panels and surface elements
- Construction of tight surface elements
- Quick and easy assembly
- Material: TPE, black
- 65 Shore
- PU (packing units): 50m

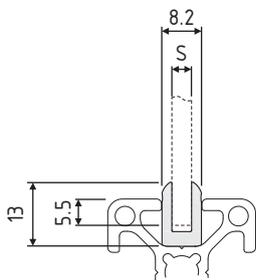
Atouts novateurs

- Insertion de panneaux de remplissage
- Isolement d'éléments de remplissage
- Montage rapide et aisé
- Matière: TPE, noir
- 65 Shore
- Conditionnement: 50m

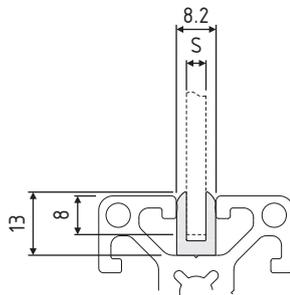
Anwendungsbeispiele

Sample applications • Exemples d'application

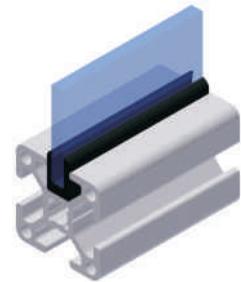
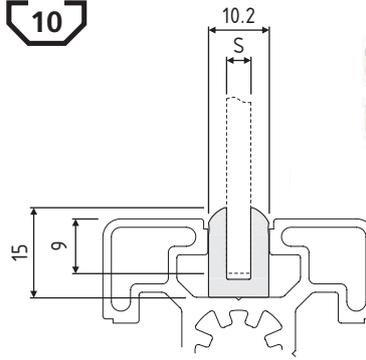
8E



8

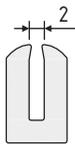


10



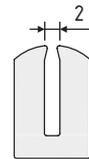
8E

8

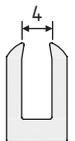


05.02067.00

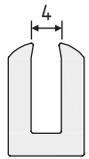
10



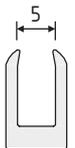
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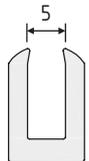
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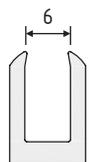
05.02071.00



05.02069.00



05.02072.00



05.02075.00

DICHTPROFILE

SEALING PROFILES

JOINTS ETANCHES



Innovative Vorteile

- Verhindern das Austreten von Staub
- Für den Einsatz in Schwenktüren geeignet
- Einfache und schnelle Montage
- Material: NBR, schwarz 60 Shore
- PE: 50m

Innovative advantages

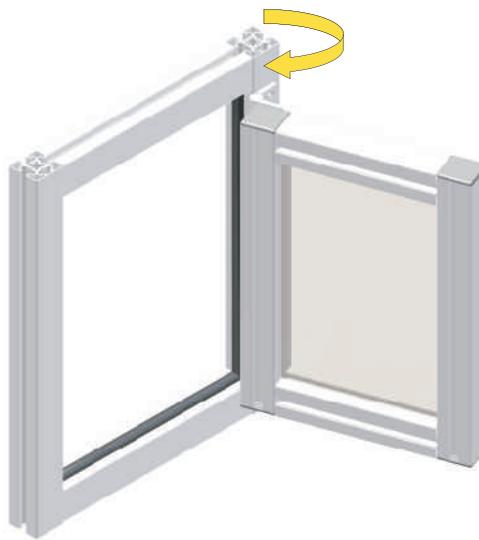
- Prevents dust emerging
- Suitable for use in swivel doors
- Quick and easy assembly
- Material: NBR, black 60 shore hardness
- PU (packing units): 50m

Atouts novateurs

- Etanchéité aux projections de Particules
- Adapté pour le montage de portes battantes
- Montage rapide et aisé
- Matière: NBR, noir 60 Shore
- Conditionnement: 50m

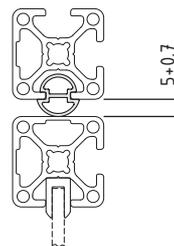
Anwendungsbeispiele

Sample applications • Exemples d'application



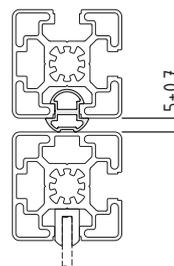
7

8E



05.01850.00

10



05.1851.00

Technische Änderungen vorbehalten



FLÄCHENELEMENTE SURFACE ELEMENTS ELEMENTS DE REMPLISSAGE



Dichtprofile

- Konstruktion von dichten Flächenelementen
- Einfache und schnelle Montage
- Material: TPE, schwarz
65 Shore
PE: 50m

Sealing profile

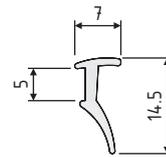
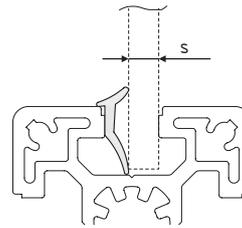
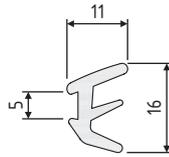
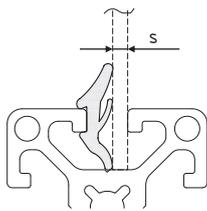
- Made of tight surface elements
- Quick and easy assembly
- Material: TPE, black
65 Shore
PU (packing unit): 50m

Joint s étanches

- Construction d'éléments de remplissage étanches
- Montage rapide et aisé
- Matière: TPE, noir
65 Shore
Conditionnement: 50m

Anwendungsbeispiele

Sample applications • Exemples d'application



8E



s = 2-4

05.01875.00

8



s = 2-4

05.02192.00

10



s = 4-6

05.02192.00



s = 4-6

05.02193.00



s = 6-8

05.02193.00

Abdeckprofil Riffelgummi

- Rutsichere Auflage
- Schutz des Profils vor Beschädigung
- Material: NBR, schwarz
65 Shore
PE: 50m

Fluted rubber cover profile

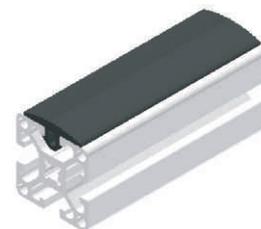
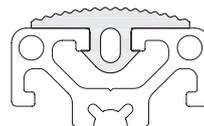
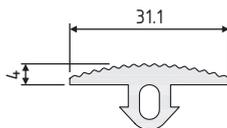
- Non-slip cover
- Profile protection against damage
- Material: NBR, black
65 Shore
PU (packing units): 50m

Profilés de protection caoutchouc cannelé

- Revêtement antidérapant
- Protection du profilé contre l'endommagement
- Matière: NBR, noir
65 Shore
Conditionnement: 50m

Anwendungsbeispiele

Sample applications • Exemples d'application



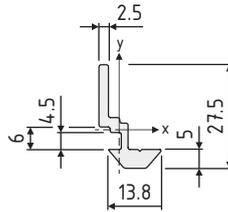
8



05.02194.00

Technische Änderungen vorbehalten

WINKELLEISTE ANGLE RAILS CORNIERE A PANNEAUX

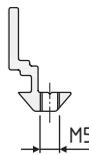
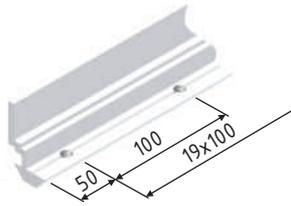


05.01874.00

M = 1,62 kg/m
I_x = 9,98 cm⁴
W_x = 4,80 cm³
I_y = 6,38 cm⁴
W_y = 3,19 cm³

PE (m)
6 / 48 / 96 / 144

Varianten



A

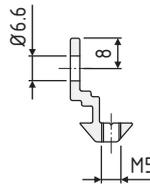
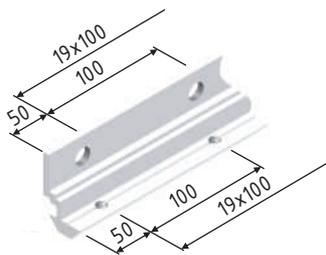
05.01874.50

Winkelleiste mit Gewindebohrungen

Angle rails with tapped holes

Profil support plateau avec taraudage

PE (m)
2



B

05.01874.51

Winkelleiste mit Gewinde- und Befestigungsbohrungen

Angle rails with tapped holes and fastening holes

Profil support plateau avec perçage et taraudage

PE (m)
2

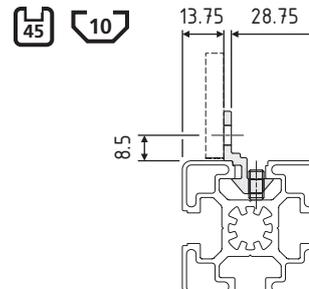
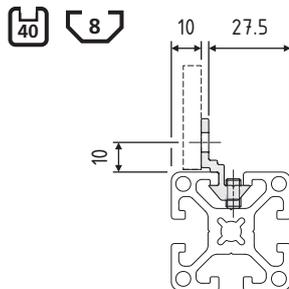
Befestigung mit Gewindestift
DIN 913 - M5x10

Fastening with setscrew
DIN 913 - M5x10

Fixation par vis sans tête
DIN 913 - M5x10

Anwendung

Application · Application



Technische Änderungen vorbehalten



ANSCHRAUBHALTER SCREW-ON BRACKET EQUERRE A PANNEAUX



Innovative Vorteile

- Besonders geeignet für leichte Bleche, Acrylscheiben usw.
- Unterschiedliche Abstände zur Profilkante durch Einsatz von Zwischenplatten
- Material: PA, schwarz

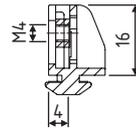
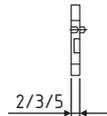
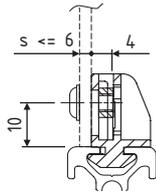
Innovative advantages

- Particularly suitable for lightweight metal panels, acrylic plates etc.
- Alternative spacing to profile edge by using spacing plates
- Material: PA, black

Atouts novateurs

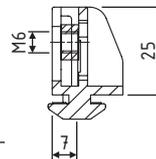
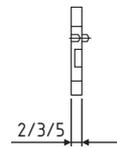
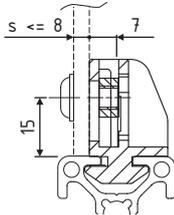
- Particulièrement adapté pour tôles légères, panneaux acryliques, etc.
- Calage différent par entretoises pour positionner le panneau
- Matière: PA, noir

5



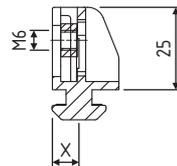
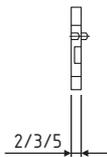
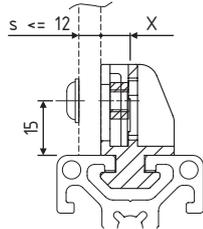
05.01838.00

8E



05.01314.00

8



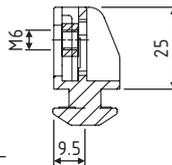
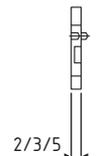
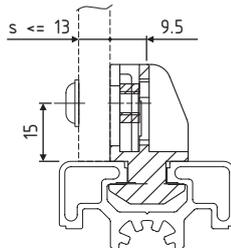
X = 8

05.01315.00

X = 14

05.01318.00

10

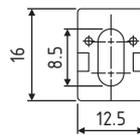


05.01316.00

Zwischenplatten

Spacing plates · Entretoises

5



a = 2

05.02195.00

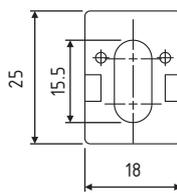
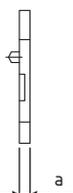
a = 3

05.02196.00

a = 5

05.02197.00

8E



a = 2

05.01324.00

a = 3

05.01317.00

a = 5

05.01325.00

Technische Änderungen vorbehalten

KLEMMHALTER CLAMPS EQUERRE A PANNEAUX CRANTEE



Innovative Vorteile

- Besonders geeignet für leichte Bleche, Acrylscheiben usw.
- Unterschiedliche Abstände zur Profilkante durch Einsatz des Schiebers
- Material: PA, schwarz

Innovative advantages

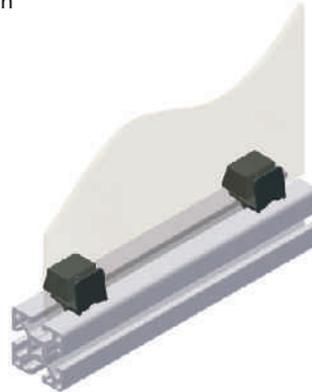
- Particularly suitable for lightweight panels, acrylic plates etc.
- Alternative spacing to profile edge by using slider
- Material: PA, black

Atouts novateurs

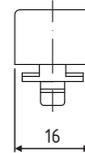
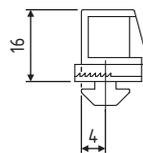
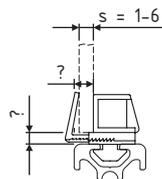
- Particulièrement adapté pour tôles légères, panneaux acryliques, etc.
- Système de pincement mobile pour différentes épaisseurs de panneau
- Matière: PA, noir

Anwendungsbeispiele

Sample applications • Exemples d'application

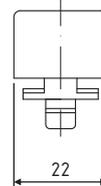
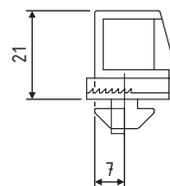
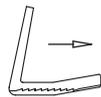
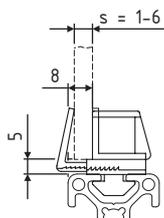


5



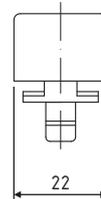
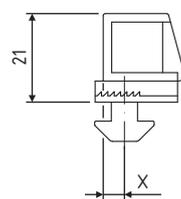
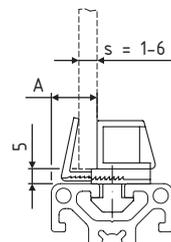
05.01839.00

8E



05.01319.00

8



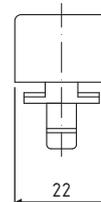
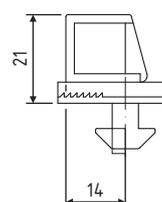
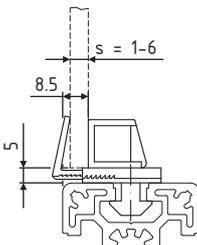
A = 15; X = 5

05.01320.00

A = 8.5; X = 11.5

05.01321.00

10



05.01322.00

Technische Änderungen vorbehalten

7



GITTEREINFASSPROFIL

MESH CLAMPING PROFILE

PROFIL D'ENCADREMENT



Innovative Vorteile:

- Aufnahme von Wellgitter 30x30x3 und 40x40x4
- Besonders stabil durch tiefen Einschub
- Einfache und schnelle Montage

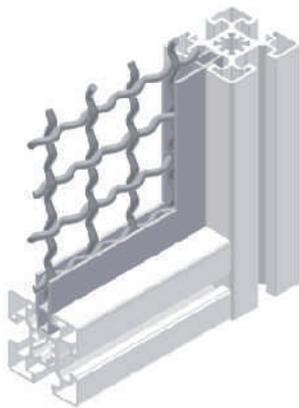
Innovative advantages:

- Fastener for woven mesh 30x30x3 and 40x40x4
- Deep cavity for greater sturdiness
- Easy and fast assembly

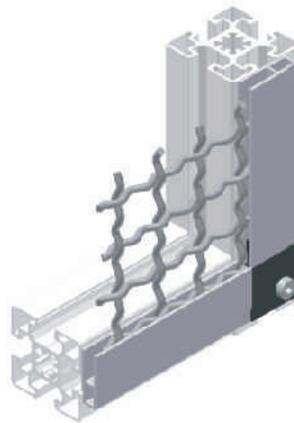
Atouts novateurs:

- Fixation de grillage ondulé 30x30x3 et 40x40x4
- Particulièrement robuste par introduction profonde
- Particulièrement robuste par introduction profonde

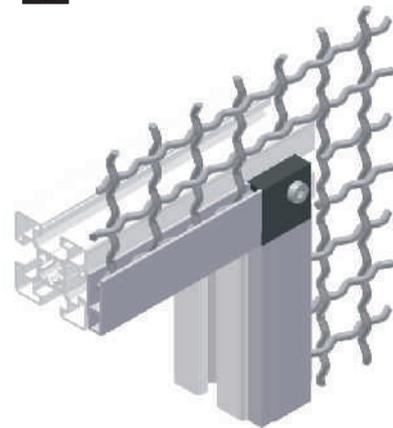
A



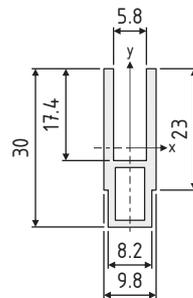
B



C



30x10



05.01117.00

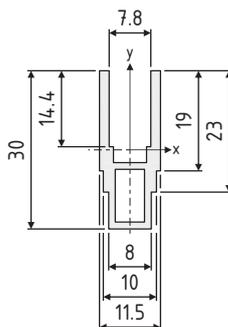
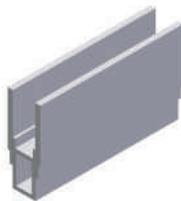
M = 0,32 kg/m

PE (m)
6 / 30 / 60



➔ 30x30x3

30x12



05.01118.00

M = 0,35 kg/m

Auf Anfrage
On Request
Sur demande

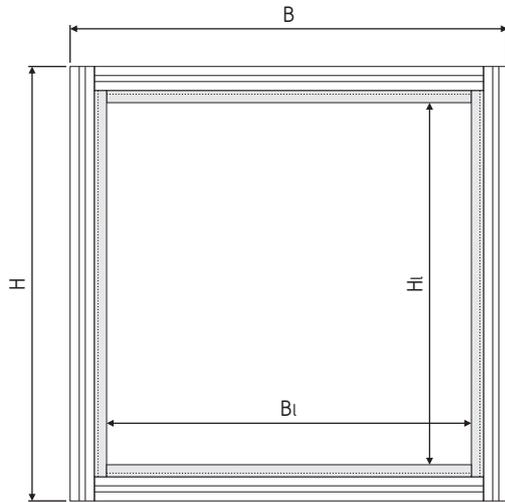


➔ 40x40x4

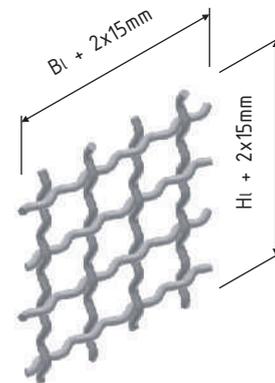
GITTEINFASSPROFIL

MESH CLAMPING PROFILE

PROFIL D'ENCADREMENT



	$B_I = B - 2 \times 63 \text{mm}$	$H_I = H - 2 \times 63 \text{mm}$
	$B_I = B - 2 \times 62 \text{mm}$	$H_I = H - 2 \times 62 \text{mm}$

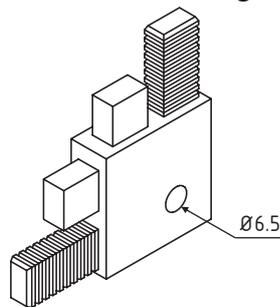


→ ■ 7.14

Eckelemente

Corner elements · Élément d'angle

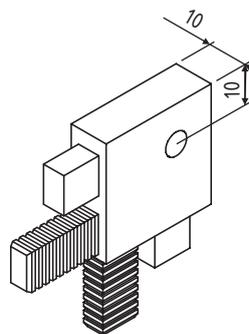
→ ■ B



05.01146.00

NBR, schwarz
60 Shore
NBR, black
60 Shore hardness
NBR, noir
60 Shore

→ ■ C



05.01147.00

NBR, schwarz
60 Shore
NBR, black
60 Shore hardness
NBR, noir
60 Shore



FLÄCHENELEMENTE

SURFACE ELEMENTS

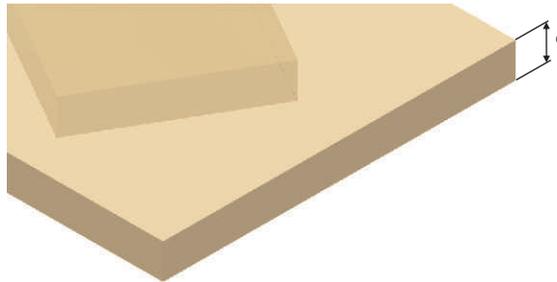
PANNEAUX DE REMPLISSAGE



Geschlossene Flächenelemente

Closed surface elements

Panneaux de remplissage fermé



Polycarbonat

- Markenname: Makrolon
- Gute Schlagfestigkeit und Zähigkeit
- Sehr gute optische Eigenschaften

- 1mm: $m = 1.2 \text{ kg/m}^2$
- Klar oder rauchfarben getönt

- Maße auf Anfrage

$s = 2, 3, 4, 5, 6, 8, 10, 12 \text{ mm}$

Polycarbonate

- Brand name: Makrolon
- Good impact resistance and resilience
- Very good optical properties

- 1mm: $m = 1.2 \text{ kg/m}^2$
- Transparent or smoke-tinted

- Dimensions on request

$s = 2, 3, 4, 5, 6, 8, 10, 12 \text{ mm}$

Polycarbonate

- Type: Makrolon, Lexan
- Bonne endurance et résistance aux chocs

- Très bonnes propriétés optiques

- 1mm: $m = 1.2 \text{ kg/m}^2$

- Transparent ou fumé

- Dimensions sur demande

$s = 2, 3, 4, 5, 6, 8, 10, 12 \text{ mm}$

PMMA

- Markenname: Plexiglas
- Gute chemische Beständigkeit
- 1mm: $m = 1.18 \text{ kg/m}^2$

- Klar oder rauchfarben getönt

- Maße auf Anfrage

$s = 2, 3, 4, 5, 6, 8, 10, 12 \text{ mm}$

PMMA

- Brand name: Plexiglas
- Good chemical resistance
- 1mm: $m = 1.18 \text{ kg/m}^2$

- Transparent or smoke-tinted

- Dimensions on request

$s = 2, 3, 4, 5, 6, 8, 10, 12 \text{ mm}$

PMMA

- Type: Plexiglas
- Bonne résistance chimique
- 1mm: $m = 1.18 \text{ kg/m}^2$

- Transparent ou fumé

- Dimensions sur demande

$s = 2, 3, 4, 5, 6, 8, 10, 12 \text{ mm}$

Vollkunststoff

- Hohe Abrieb- und Schlagfestigkeit
- geeignet für hochbeanspruchte Verkleidungen
- Hohe Temperaturbeständigkeit
- 1mm: $m = 1.4 \text{ kg/m}^2$

- Farben ähnlich RAL auf Anfrage

- Maße auf Anfrage

$s = 4, 8 \text{ mm}$

Full plastic

- Highly resistant to abrasion and knocks
- Suitable for highly stressed panelling
- Highly temperature resistant
- 1mm: $m = 1.4 \text{ kg/m}^2$

- RAL-similar colours on request

- Dimensions on request

$s = 4, 8 \text{ mm}$

Tout plastique

- Haute résistance à l'usure et aux chocs
- Adapté pour revêtements fortement sollicités

- Haute résistance thermique

- 1mm: $m = 1.4 \text{ kg/m}^2$

- Couleurs similaires RAL sur demande

- Dimensions sur demande

$s = 4, 8 \text{ mm}$

Hartfaserplatte

- Farbe: weiß
- Maße auf Anfrage

$s = 4, 5 \text{ mm}$

Hardboard

- Colour: white
- Dimensions on request

$s = 4, 5 \text{ mm}$

Panneau de fibres

- Couleur: blanc
- Dimensions sur demande

$s = 4, 5 \text{ mm}$

FOREX-platten

- Farbe: weiß / RAL-Farben auf Anfrage
- Maße auf Anfrage

$s = 3, 4, 5, 6, 8 \text{ mm}$

FOREX-board

- Colour: white / RAL-similar colours on request
- Dimensions on request

$s = 3, 4, 5, 6, 8 \text{ mm}$

PVC Expandé FOREX

- Couleur: blanc / couleurs similaires RAL sur demand
- Dimensions sur demande

$s = 3, 4, 5, 6, 8 \text{ mm}$

FLÄCHENELEMENTE

SURFACE ELEMENTS

REEMPLISSAGE



Spanplatte

- Preiswertes Flächenelement
- Mittlere mechanische Eigenschaften
- Farben: weiß, lichtgrau (RAL 7035)
- Maße auf Anfrage

s = 6, 8 mm

Chipboard

- Economical surface element
- Mean mechanical properties
- Colours: white, light grey (RAL 7035)
- Dimensions on request

s = 6, 8 mm

Panneaux d'agglomérés

- Élément de remplissage économique
- Propriétés mécaniques moyennes
- Couleurs: blanc, gris clair (RAL 7035)
- Dimensions sur demande

s = 6, 8 mm

Blech

- Werkstoff: Aluminium, Stahl, VA
- Oberflächen: blank, eloxiert oder beschichtet
- 1mm (Al): m = 2.7 kg/m²
- 1mm (St): m = 7.9 kg/m²
- 1mm (VA): m = 8.0 kg/m²
- Farben nach RAL auf Anfrage
- Maße auf Anfrage

s = 2, 3 mm

Metal sheet

- Material: Aluminium, steel, VA
- Surfaces: natural finish, anodised or coated
- 1mm (Al): m = 2.7 kg/m²
- 1mm (St): m = 7.9 kg/m²
- 1mm (VA): m = 8.0 kg/m²
- RAL colours on request
- Dimensions on request

s = 2, 3 mm

Tôle

- Matière: aluminium, acier, inox
- Surfaces: naturelle, anodisée ou enduite
- 1mm (Al): m = 2.7 kg/m²
- 1mm (St): m = 7.9 kg/m²
- 1mm (VA): m = 8.0 kg/m²
- Couleurs selon RAL sur demande
- Dimensions sur demande

s = 2, 3 mm



FLÄCHENELEMENTE SURFACE ELEMENTS REMPLISSAGE



Wellgitter

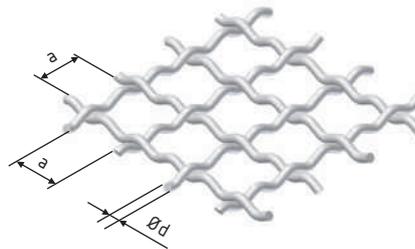
- Hohe Festigkeit des Stahldrahtes
- Geeignet für beanspruchte Sicherheitseinrichtungen
- Bieten nur Schutz vor Durchgreifen bzw. großen Teilen
- Oberfläche: verzinkt oder beschichtet
- Farben: schwarz;
weitere Farben auf Anfrage

Woven mesh

- High-strength steel wire
- Suitable for highly stressed safety installations
- Only offers protection against reaching in or for large parts
- Surfaces: galvanised or coated
- Colour: black,
other colours on request

Grille ondulée

- Résistance élevée du fil d'acier
- Adapté pour installations de sécurité fortement sollicitées
- Ne protège que contre l'intrusion ou contre les grandes pièces
- Surfaces: zinguée ou enduite
- Couleurs: noir,
autres couleurs sur demande



Wellgitter 30

- $a \times a \times \text{Ø}d$
30 x 30 x 3
- $m = 3.69 \text{ kg/m}^2$

- Maße auf Anfrage

Woven mesh 30

- $a \times a \times \text{Ø}d$
30 x 30 x 3
- $m = 3.69 \text{ kg/m}^2$

- Dimensions on request

Grille ondulée 30

- $a \times a \times \text{Ø}d$
30 x 30 x 3
- $m = 3.69 \text{ kg/m}^2$

- Dimensions sur demande

Wellgitter 40

- $a \times a \times \text{Ø}d$
40 x 40 x 4
- $m = 4.92 \text{ kg/m}^2$

- Maße auf Anfrage

Woven mesh 40

- $a \times a \times \text{Ø}d$
40 x 40 x 4
- $m = 4.92 \text{ kg/m}^2$

- Dimensions on request

Grille ondulée 40

- $a \times a \times \text{Ø}d$
40 x 40 x 4
- $m = 4.92 \text{ kg/m}^2$

- Dimensions sur demande

TÜREN UND TÜRELEMENTE

DOORS AND DOOR ELEMENTS

PORTES ET ACCESSOIRES



■ 8.02



■ 8.04



■ 8.08



■ 8.10



■ 8.12



■ 8.13



■ 8.14



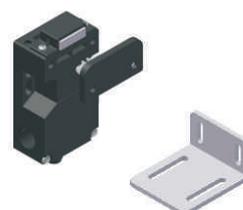
■ 8.15



■ 8.16



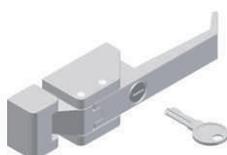
■ 8.19



■ 8.20



■ 8.21



■ 8.23



■ 8.24



■ 8.26



■ 8.28



■ 8.30



■ 8.32



■ 8.33



■ 8.34



■ 8.35



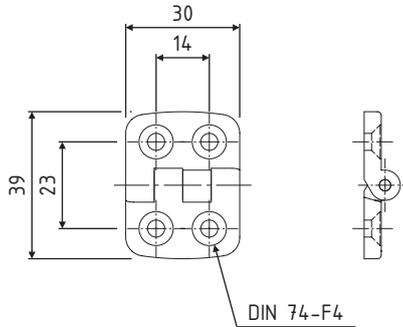
■ 8.36



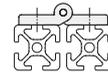
SCHARNIERE
HINGES
CHARNIERES



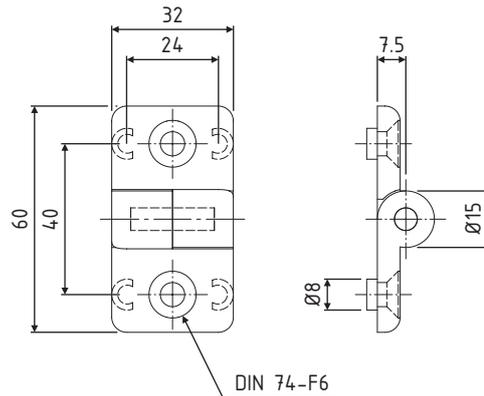
20x20



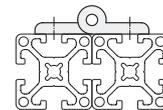
20 / 20



32x60



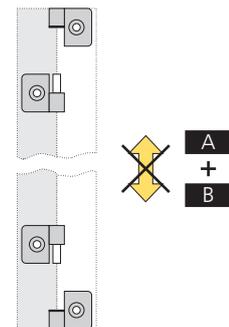
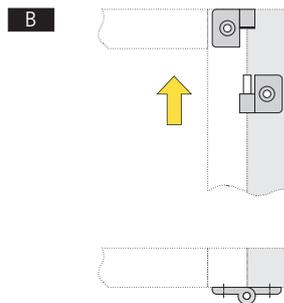
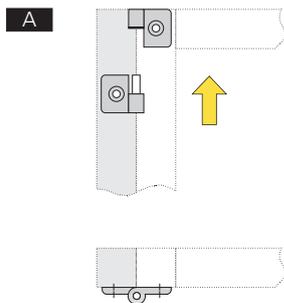
40 / 40



Aushängbare Tür
LINKS / LINKS
Demountable doors
LEFT / LEFT
Porte dégonnable
GAUCHE / GAUCHE

Aushängbare Tür
RECHTS / RECHTS
Demountable doors
RIGHT / RIGHT
Porte dégonnable
DROITE / DROITE

Nicht aushängbare Tür
LINKS / RECHTS
Non-demountable doors
LEFT / RIGHT
Porte non dégonnable
GAUCHE / DROITE

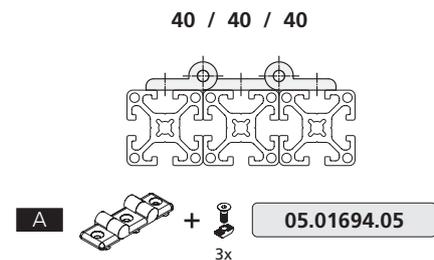
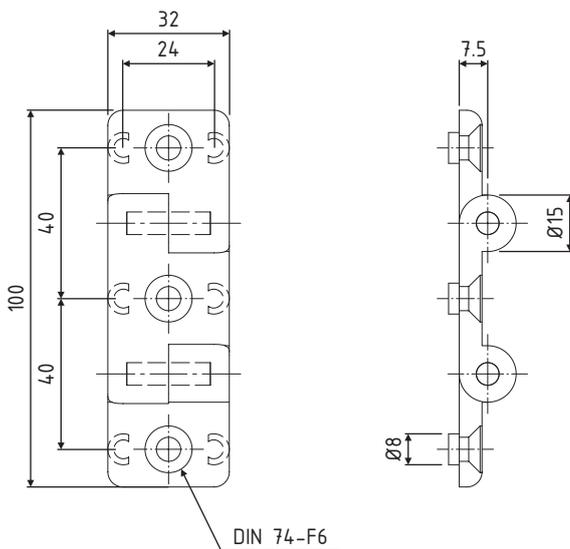


Technische Änderungen vorbehalten

DOPPELSCHARNIER
DOUBLE HINGES
DOUBLE CHARNIERE

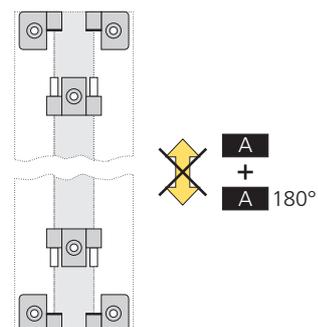
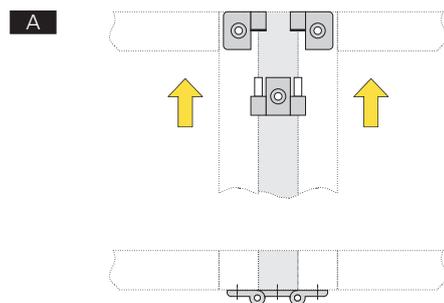


PA schwarz
 black
 noir



Aushängbare Türen
 Demountable doors
 Portes dégonçables

Nicht aushängbare Türen
 (180° gedreht)
 Non-demountable doors
 (turned through 180°)
 Portes non dégonçables
 (tournées sur 180°)



Technische Änderungen vorbehalten

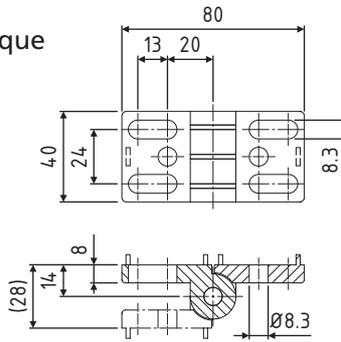


SCHARNIERE
HINGES
CHARNIERES



40 Zn, symmetrisch

40 Zn, symmetric · 40 Zn, symétrique



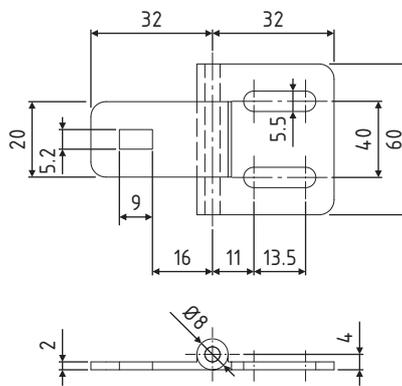
05.01639.00

Zinkdruckguss, schwarz
Zinc diecast, black
Zamak, noir



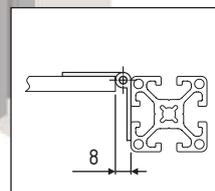
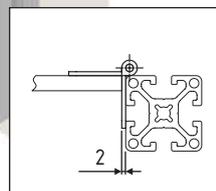
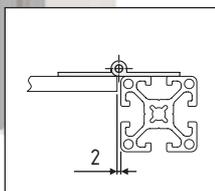
Blechscharnier

Sheet metal hinge · Charnière en tôle



05.01119.00

Stahl, schwarz beschichtet
Steel, black coated
Acier, noire pelliculé



Technische Änderungen vorbehalten

SCHARNIER

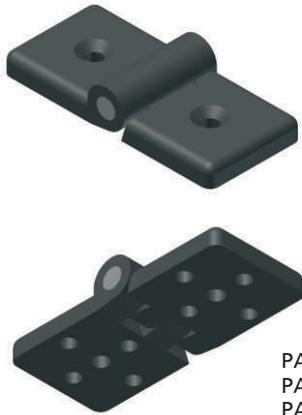
HINGES

CHARNIERES

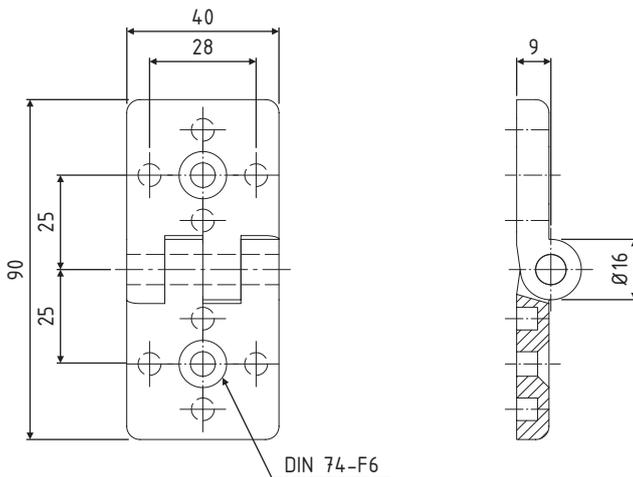


45, symmetrisch

45, symmetric · 45, symétrique



PA6, schwarz
PA6, black
PA6, noir



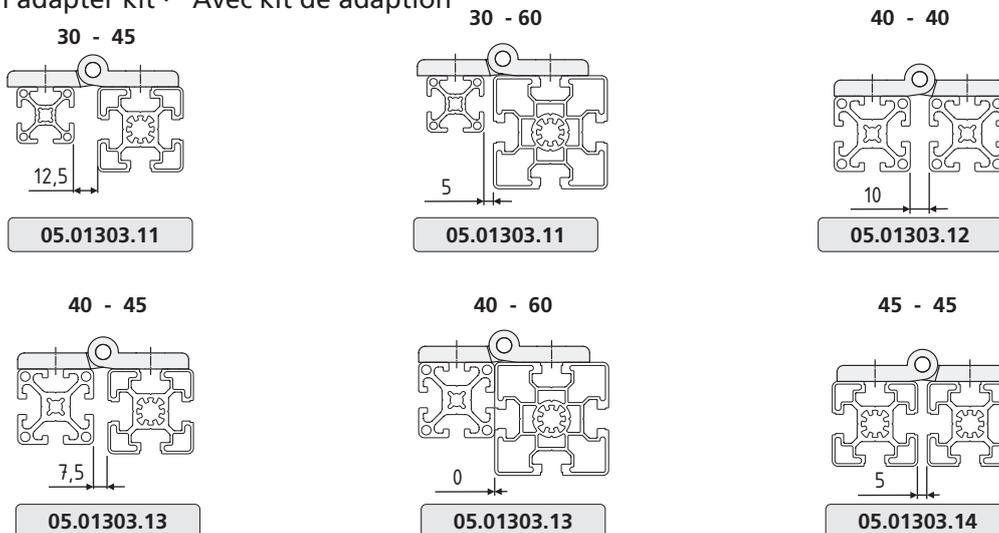
05.01303.00



05.01303.xx
2x

*Mit Befestigung

*With adapter kit · *Avec kit de adaption



Technische Änderungen vorbehalten

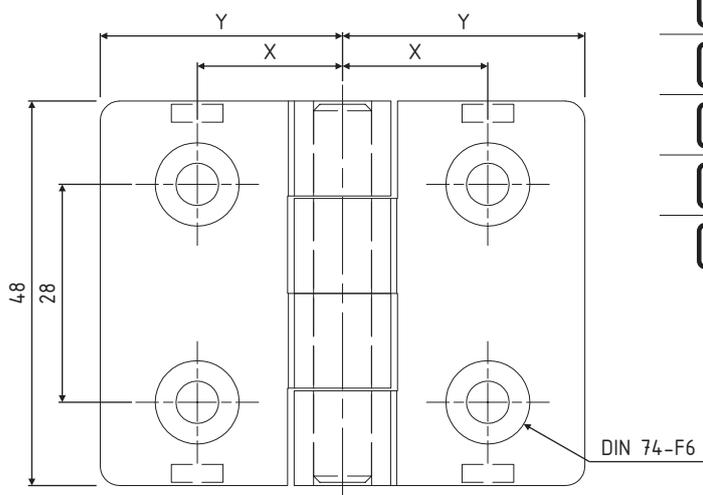
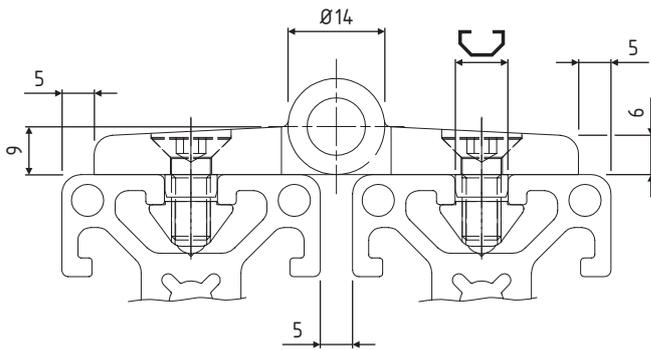




KUNSTSTOFF-SCHARNIER-SYSTEM
PLASTIC HINGE SYSTEM
CHARNIERE DE SYSTEME POLYAMIDE



PA schwarz
 black
 noir



		X	Y
		17.5	27.5
		22.5	37.5
		25	42.5
		27.5	47.5
		32.5	57.5

Technische Änderungen vorbehalten

KUNSTSTOFF-SCHARNIER-SYSTEM

PLASTIC HINGE SYSTEM

CHARNIERE DE SYSTEME POLYAMIDE



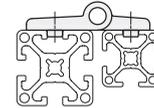
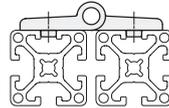
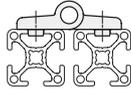
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40

30 / 30

40 / 40

30 / 40



05.02301.05

05.02303.05

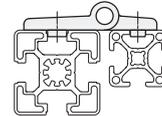
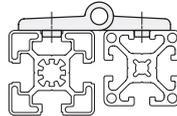
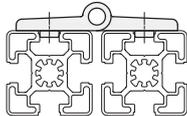
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45 / 45

40 / 45

30 / 45



05.02306.05

05.02305.05

05.02304.05

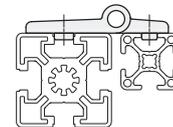
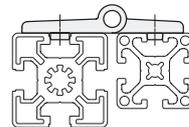
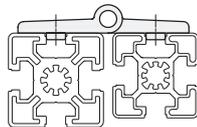
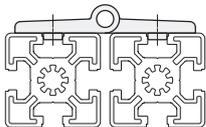
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50 / 50

45 / 50

40 / 50

30 / 50



05.02310.05

05.02309.05

05.02308.05

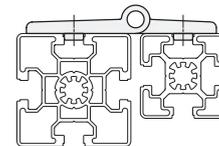
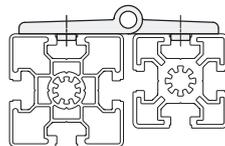
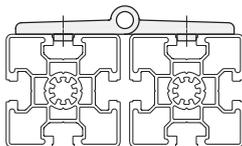
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60

60 / 60

50 / 60

45 / 60



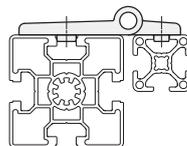
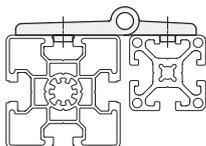
05.02315.05

05.02314.05

05.02313.05

40 / 60

30 / 60



05.02312.05

05.02311.05



05.0xxxx.00

Technische Änderungen vorbehalten

8



ALU-SCHARNIER-SYSTEM

ALUMINIUM HINGE SYSTEM

SYSTEME FM DE CHARNIERES ALU



Innovative Vorteile

- Kräftige und robuste Ausführung aus Strangpressprofil
- leichtgängige Drehbewegung durch Gleitbuchsen

- Werkstoff: AlMgSi0,5
- Farbe: Natur eloxiert

Befestigungssatz bestehend aus:

- ISO 10642 M6
- Fixierbolzen
- Hammermutter M6

Innovative advantages

- Sturdy and rugged design made of extruded profile
- Slide bushing for easy running rotational movement

- Materials: AlMgSi0,5
- Colour: natural-coloured aluminium, anodized

Fastening set consisting of:

- ISO 10642 M6
- Fastening bolts
- Hammer nut M6

Atouts novateurs

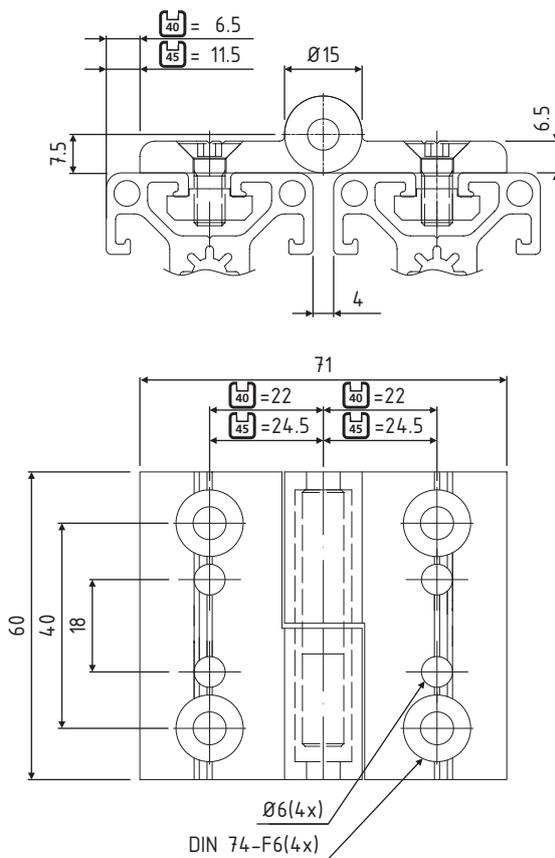
- Modèle robuste en profilé extrudé
- Rotation aisée par douilles de glissement

- Matière: AlMgSi0,5
- Couleur: aluminium Anodisé naturelle

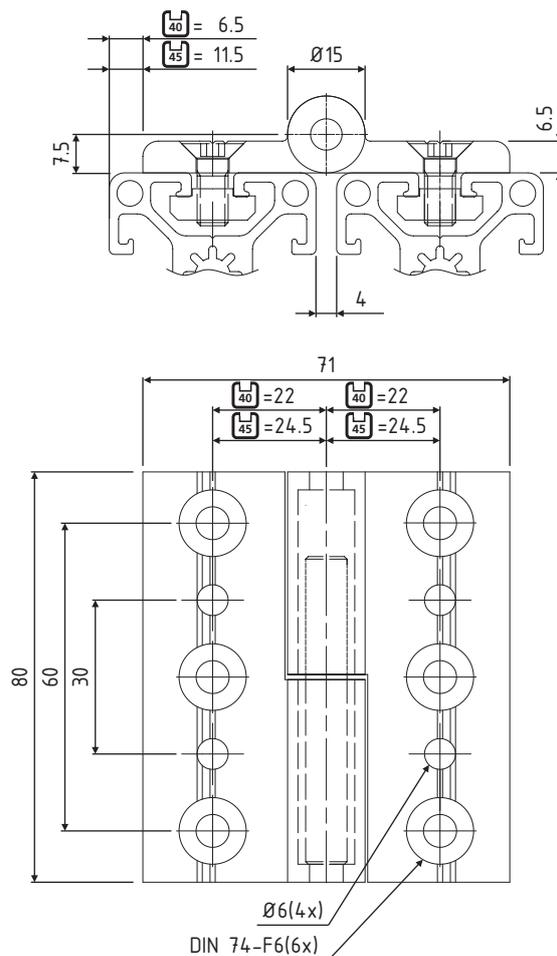
Kit de fixation comprenant:

- ISO 10642 M6
- Boulon de fixation
- Ecrou 1/4 de tour M6

L=60



L=80



ALU-SCHARNIER-SYSTEM

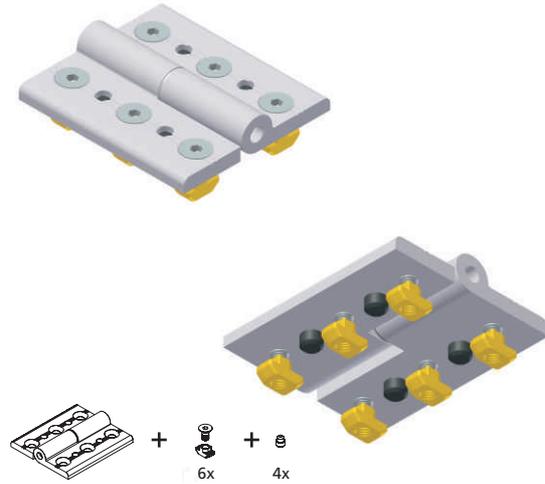
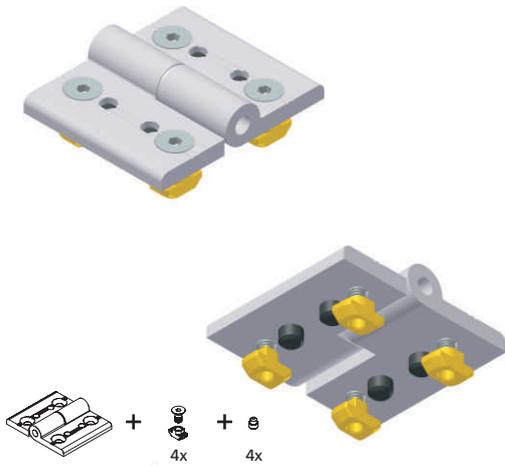
ALUMINIUM HINGE SYSTEM

SYSTEME FM DE CHARNIERES ALU



L=60

L=80



	A	B	C
	<p>Aushängbare Tür LINKS / LINKS Demountable door LEFT / LEFT Porte dégonçable GAUCHE / GAUCHE</p> <p style="text-align: center;">L</p>	<p>Aushängbare Tür RECHTS / RECHTS Demountable door RIGHT / RIGHT Porte dégonçable DROITE / DROITE</p> <p style="text-align: center;">L</p>	<p>Nicht aushängbare Tür, LINKS / RECHTS Non-demountable door LEFT / RIGHT Porte non dégonçable GAUCHE / DROITE</p> <p style="text-align: center;">L</p>
40 - 40	<p>60 05.01732.05</p> <p>80 05.01634.05</p>	<p>60 05.01733.05</p> <p>80 05.01632.05</p>	<p>C = 1x A + 1x B</p>
45 - 40	<p>60 05.02152.05</p> <p>80 05.02154.05</p>	<p>60 05.02153.05</p> <p>80 05.02155.05</p>	<p>C = 1x A + 1x B</p>
45 - 45	<p>60 05.02056.05</p> <p>80 05.02108.05</p>	<p>60 05.02057.05</p> <p>80 05.02109.05</p>	<p>C = 1x A + 1x B</p>



SCHARNIERLAPPENPROFILE

HINGE FLAP PROFILES

CHARNIERES INTERIEURES



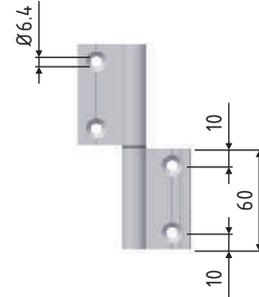
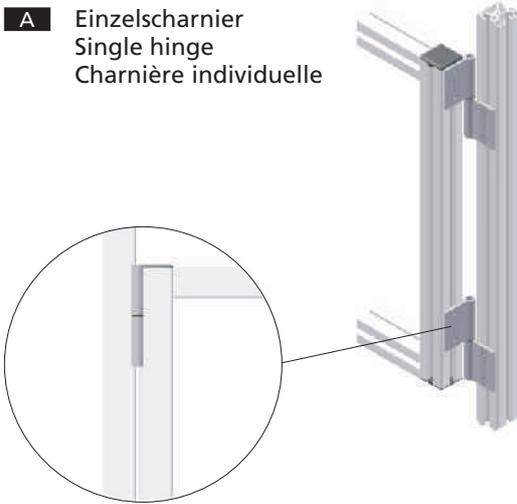
8E

8

10

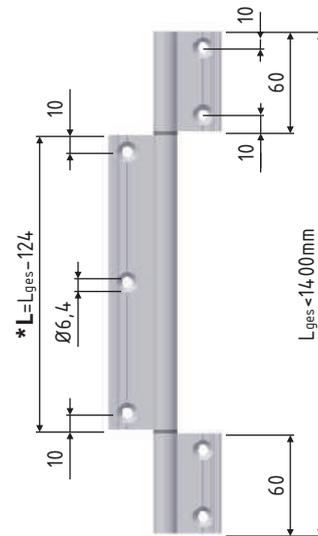
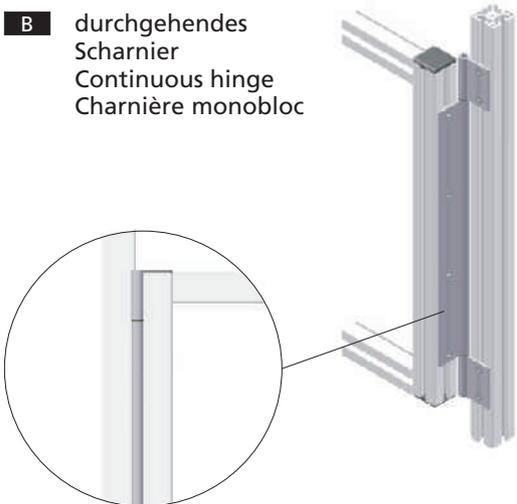
Typ A

- A** Einzelscharnier
Single hinge
Charnière individuelle



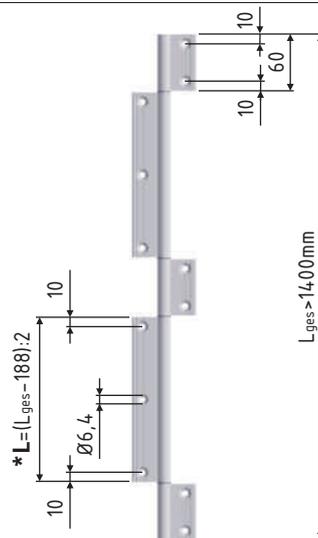
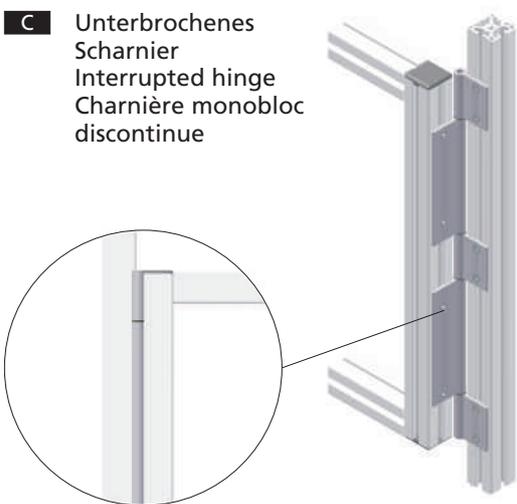
Typ B

- B** durchgehendes Scharnier
Continuous hinge
Charnière monobloc



Typ C

- C** Unterbrochenes Scharnier
Interrupted hinge
Charnière monobloc discontinue



Technische Änderungen vorbehalten

SCHARNIERLAPPENPROFIL

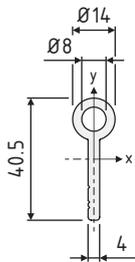
HINGE FLAP PROFILE

CHARNIERE INTERIEURE



30

40/45

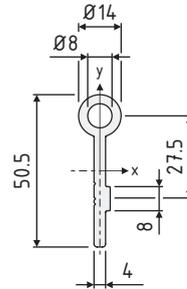


05.01807.00

M = 0,55 kg/m
 $I_x = 3,04 \text{ cm}^4$
 $W_x = 1,50 \text{ cm}^3$
 $I_y = 0,18 \text{ cm}^4$
 $W_y = 0,26 \text{ cm}^3$

PE (m)
 3

Aluminium, eloxiert
 Aluminium, anodized
 Aluminium, anodisé



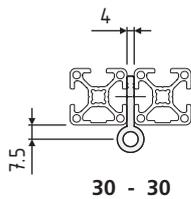
05.02231.00

M = 0,68 kg/m
 $I_x = 5,92 \text{ cm}^4$
 $W_x = 2,35 \text{ cm}^3$
 $I_y = 0,19 \text{ cm}^4$
 $W_y = 0,28 \text{ cm}^3$

PE (m)
 6 / 60 / 120

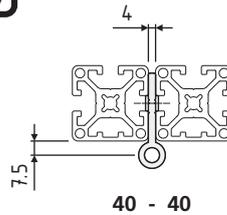
Aluminium, eloxiert
 Aluminium, anodized
 Aluminium, anodisé

30

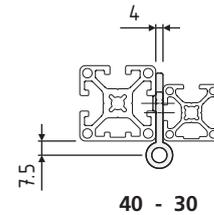


- A** 05.02283.05
- B** 05.02284.05
- + 1x 05.01807.50 *L= mm
- C** 05.02285.05
- + 2x 05.01807.50 *L= mm

40

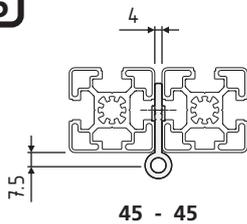


- A** 05.02286.05
- B** 05.02287.05
- + 1x 05.02231.50 *L= mm
- C** 05.02288.05
- + 2x 05.02231.50 *L= mm

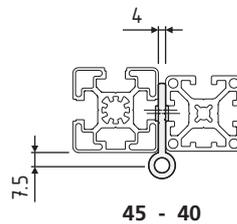


- A** 05.02289.05
- B** 05.02290.05
- + 1x 05.01807.50 *L= mm
- C** 05.02291.05
- + 2x 05.01807.50 *L= mm

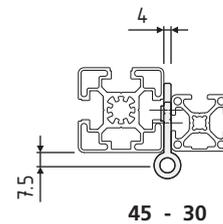
45



- A** 05.02292.05
- B** 05.02293.05
- + 1x 05.02231.51 *L= mm
- C** 05.02294.05
- + 2x 05.02231.51 *L= mm



- A** 05.02295.05
- B** 05.02296.05
- + 1x 05.02231.51 *L= mm
- C** 05.02297.05
- + 2x 05.02231.51 *L= mm



- A** 05.02298.05
- B** 05.02299.05
- + 1x 05.02231.51 *L= mm
- C** 05.02300.05
- + 2x 05.02231.51 *L= mm

8

Technische Änderungen vorbehalten



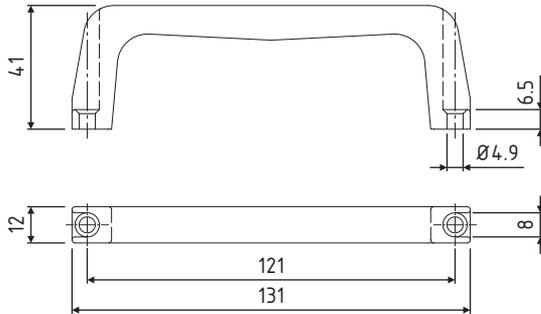
BÜGELGRIFFE

BOW HANDLES

POIGNEES ETRIER



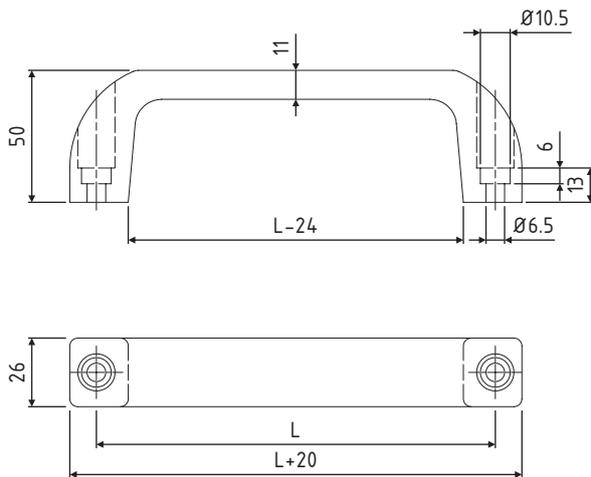
L=121



PA 6
schwarz
black
noire

05.01665.00

L=122/L=150



PA 6
schwarz
black
noire

L=122

			05.01223.00
		+	05.01223.13
		+	05.01223.11
		+	05.01223.12

2x

L=150

			05.01224.00
		+	05.01224.13
		+	05.01224.11
		+	05.01224.12

2x

Technische Änderungen vorbehalten

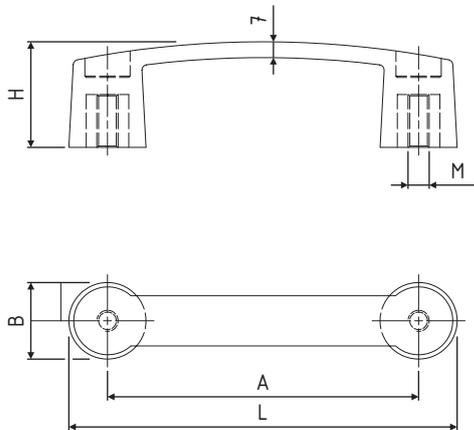
BÜGELGRIFFE

BOW HANDLES

POIGNEES ETRIER



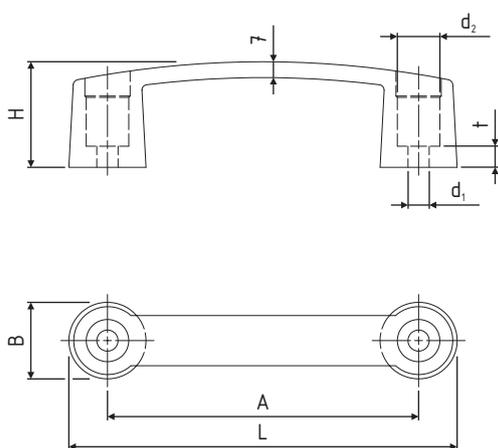
Typ A



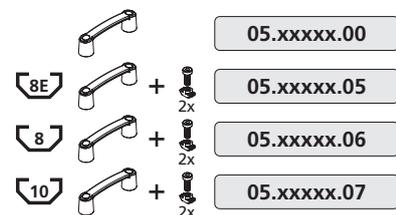
PA 6
schwarz
black
noire

L	A	B	H	M	
120	94	26	35	M6	05.01667.00
145	117	29	40	M8	05.01668.00
163	132	31	45	M8	05.01669.00
213	180	35	50	M8	05.01670.00

Typ B



PA 6
schwarz
black
noire



L	A	B	H	d ₁	d ₂	t	
120	94	26	35	Ø6.5	Ø12.5	4	05.01671.xx
145	117	29	40	Ø8.5	Ø16.5	8	05.01672.xx
163	132	31	45	Ø8.5	Ø16.5	9	05.01673.xx
213	180	35	50	Ø8.5	Ø16.5	12	05.01674.xx



Technische Änderungen vorbehalten



HANDGRIF VARIABLE GRIFFLÄNGEN

HANDLES VARIABLE HANDLE LENGTH

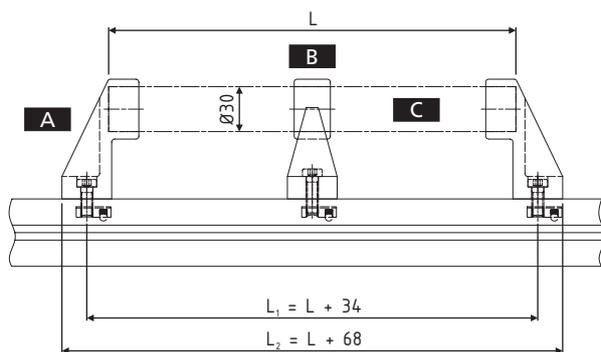
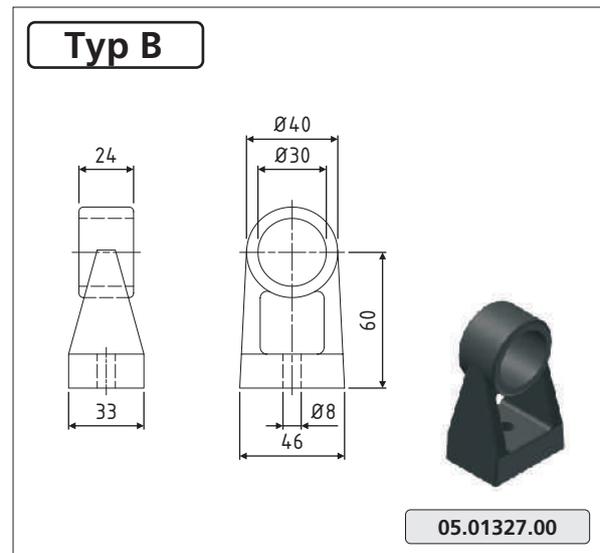
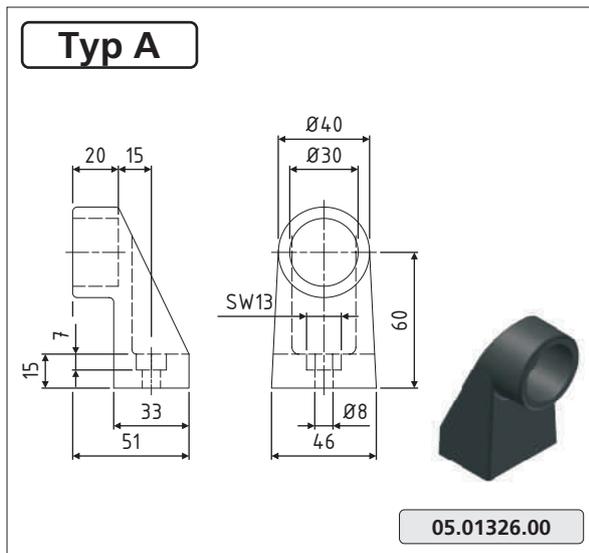
POIGNEE TUBULAIRE VARIABLE



8E

8

10



C L = 266 mm 05.01328.01

L = 366 mm 05.01328.02

L = 466 mm 05.01328.03

L = 566 mm 05.01328.04

L = 666 mm 05.01328.05

L = 766 mm 05.01328.06

L = 2500 mm 05.01328.00

Ausführung:

- A** Griff - Endstück
Werkstoff: PA
Farbe: schwarz
- B** Griff - Mittenstück
Werkstück: PA
Farbe: schwarz

Zu empfehlen ab L=566 mm
- C** Stahlrohr
Werkstoff: PVC ummantelt
Farbe: schwarz

Design:

- A** Handle end piece
Material: PA
Colour: black
- B** Handle centre piece
Material: PA
Colour: black

Recommended as of
L= 566 mm
- C** Steel pipe
Material: PVC sheathed
Colour: black

Versions:

- A** Embout d'extrémité
Matière: PA
Couleur: noir
- B** Griff - Mittenstück
Matière: PA
Couleur: noir

Recommandé à partir
L= 566mm
- C** Tube acier
Matière: PVC gainé
Couleur: noir

Technische Änderungen vorbehalten

GRIFFPROFIL

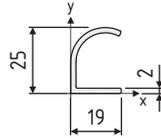
HANDLE PROFILE

PROFILE POIGNEE



Griffprofil

Handle profile · Profilé poignée



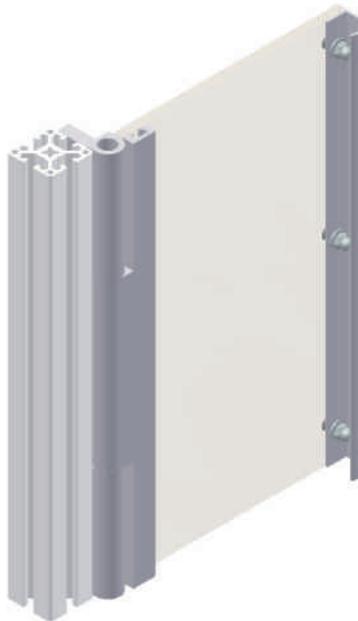
05.01032.00

M = 0,29 kg/m
 $I_x = 2,28 \text{ cm}^4$
 $W_x = 1,82 \text{ cm}^3$
 $I_y = 0,91 \text{ cm}^4$
 $W_y = 0,47 \text{ cm}^3$

PE (m)
6 / 24 / 48 / 72

Anwendung

Application · Application

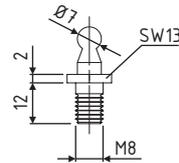
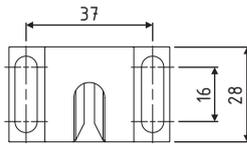
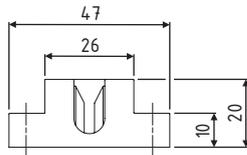
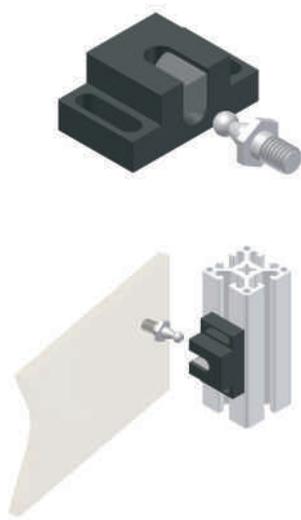




KUGELSCHNÄPPER

BALL CLIPS

TAQUET A BILLE



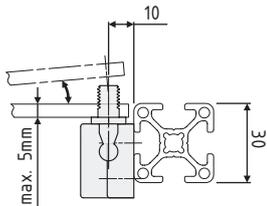
05.02316.00

PA schwarz, glasfaserverstärkt
Verschluss von Schiebe- und Schwenktüren

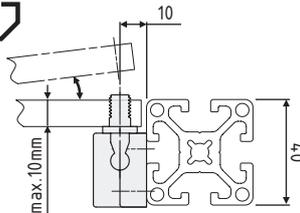
PA, black, fibreglass reinforced
Closure of sliding and swing doors

PA, noir, renforcé fibres de verre
Fermeture de portes coulissantes et battantes

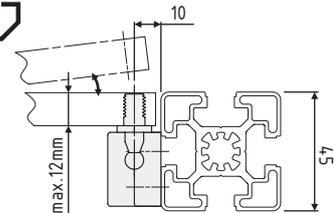
8E



8

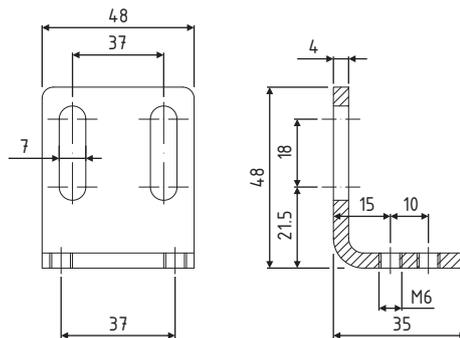
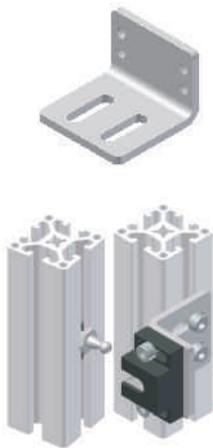


10



Winkel

Bracket · Equerre



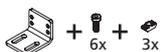
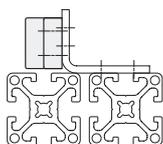
05.02317.00

St, verzinkt
Der Befestigungswinkel ist in den Profilreihen 40,45 und 50 universell einsetzbar

Steel, galvanised
The fastening bracket can be used universally in the profile series 40, 45 and 50

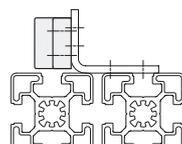
Acier, zingué
L'équerre de fixation s'utilise de manière universelle pour les séries de profilés 40, 45 et 50

8 / 8



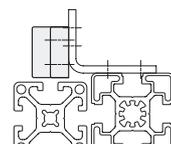
05.02317.11

10 / 10



05.02317.12

8 / 10



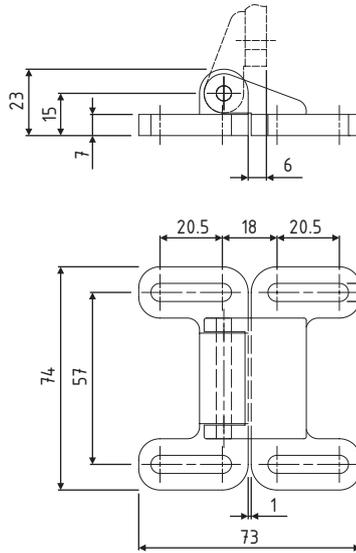
05.02317.13

Technische Änderungen vorbehalten

DOPPELKUGELSCHNÄPPER PA

TWIN BALL CLIP PA

LOQUETEAU A BILLE PA



05.02318.00

PA, glasfaserverstärkt

Universeller Schnellverschluss für Klappen, Schiebe- und Schwenktüren mit und ohne Rahmen.

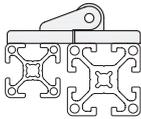
PA, black, fibreglass reinforced
Universal quick closure for flap, sliding and swing doors with and without frame

PA, renforcé fibres de verre
Blocage et butée pour porte coulissante ou battante avec ou sans encadrement

Befestigung

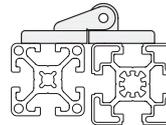
Fastening · Fixation

30 / 40



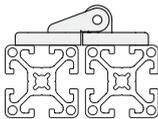
05.02318.11

40 / 45



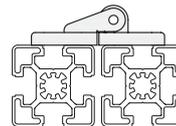
05.02318.13

40 / 40



05.02318.12

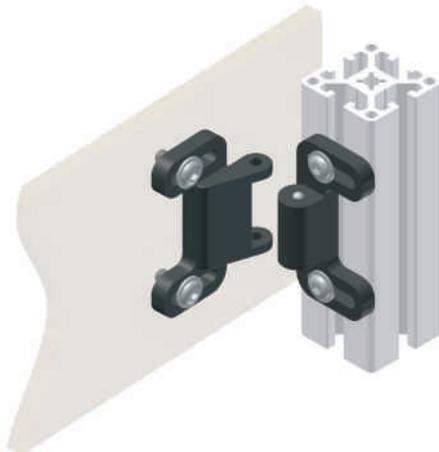
45 / 45



05.02318.14

Anwendung

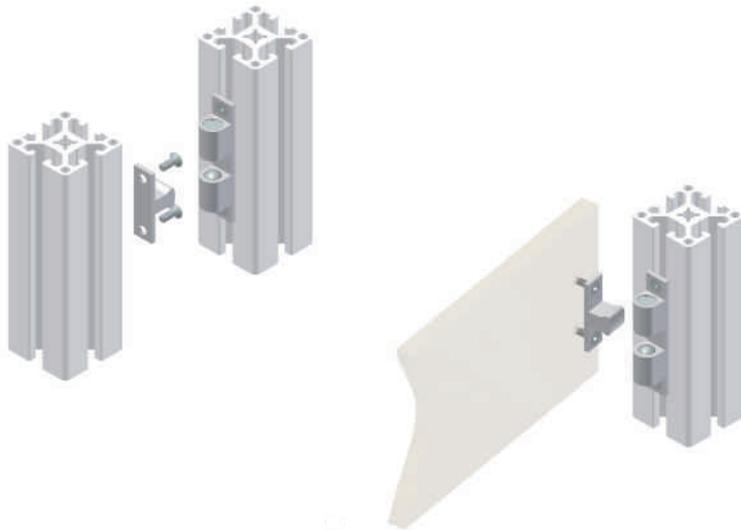
Application · Application



Technische Änderungen vorbehalten



DOPPELKUGELSCHNÄPPER MS
DOUBLE BALL CLIP MS
FERMETURE A BILLES MS



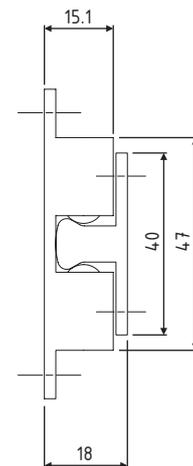
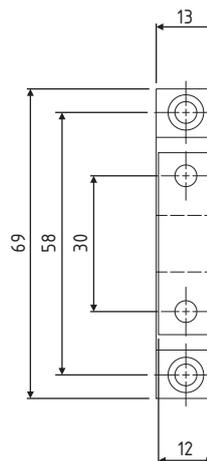
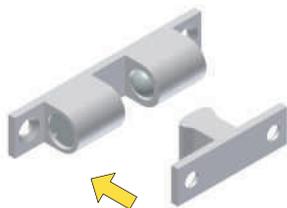
05.02319.00

Messing, verchromt
 Einrastdruck verstellbar, zwei
 Anwendungsmöglichkeiten
 0° / 90°

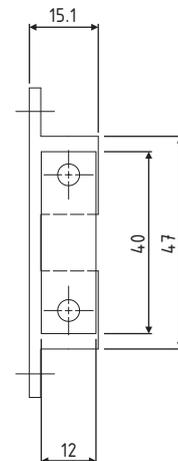
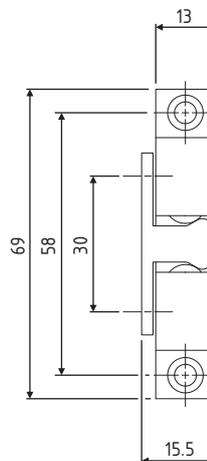
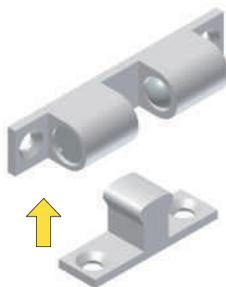
Brass, chrome-plated
 Adjustable clipping pressure,
 two application possibilities
 0° / 90°

Laiton chromé
 Pression d'encliquetement
 réglable, deux possibilités
 D'application
 0° / 90°

0°



90°

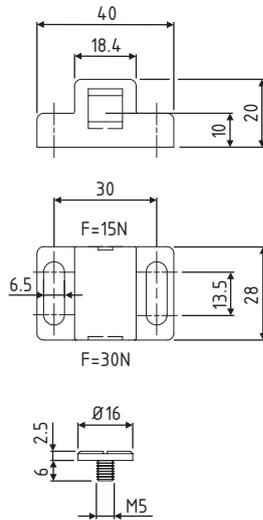


Technische Änderungen vorbehalten

MAGNETVERSCHLUSS PA

MAGNETIC CLOSURE PA

VERROUILLAGE MAGNETIQUE PA

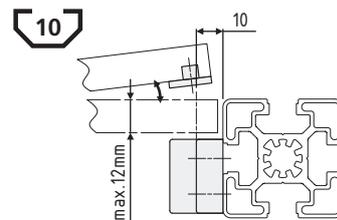
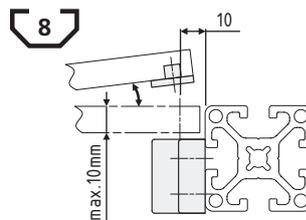
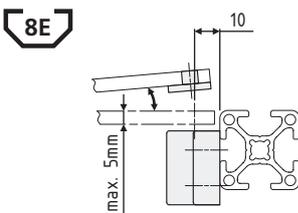


05.01650.00

PA, glasfaserverstärkt
Geeignet zur Zuhaltung von
Schiebe- und Schwenktüren.
Unterschiedliche Haltekraft
des Magnetverschlusses.

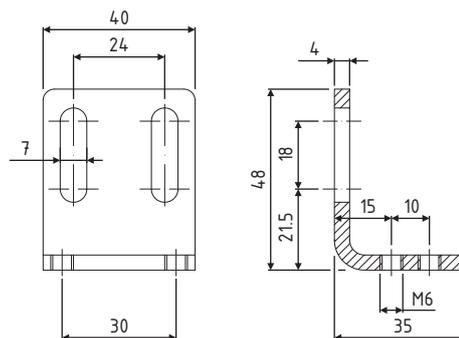
PA, black, fibreglass reinforced
Suitable for closure of sliding
and swing doors. Variable
retaining force of magnetic
closure.

PA, renforcé fibres de verre
Adapté pour maintenir
fermées les portes coulissantes
et battantes. Deux forces de
résistance.



Winkel

Bracket · Equerre

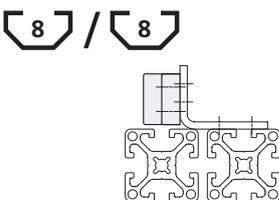


05.01651.00

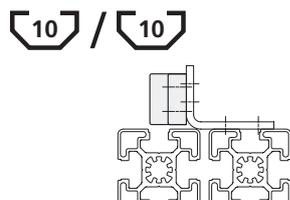
St, verzinkt
Der Befestigungswinkel ist in
den Profilreihen 40,45 und
50 universell einsetzbar.

Steel, galvanized
The fastening bracket can be
used universally in the profile
series 40, 45 and 50.

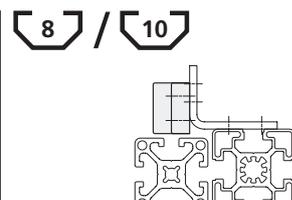
Acier, zingué.
L'équerre de fixation convient
de manière universelle pour
les séries de profilés 40, 45 et
50.



+ 4x + 3x **05.01651.11**



+ 4x + 3x **05.01651.12**



+ 4x + 3x **05.01651.13**

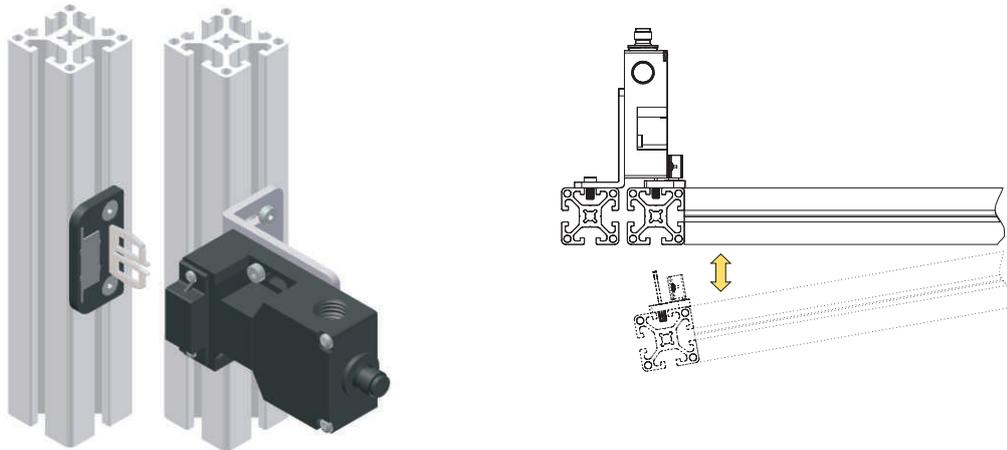
Technische Änderungen vorbehalten



SICHERHEITSSCHALTER

SAFETY SWITCH

CONTACTEUR DE SECURITE



Innovative Vorteile

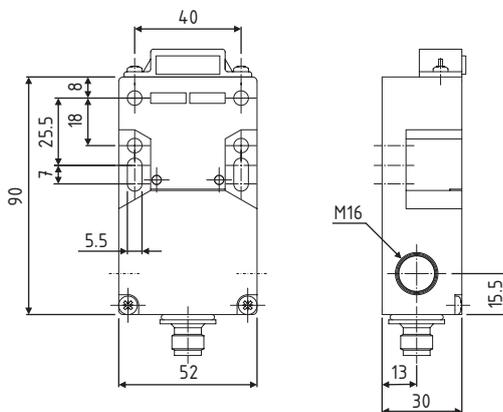
- Zum sicheren Verschließen von Schutzgittern, Hauben und Türen um die erforderlichen Betriebs-sicherheit zu gewährleisten
- Durch Langloch universelle Anordnung möglich
- Einsatz in der Profilreihe 40,45 und 50 möglich

Innovative advantages:

- For secure fastening of safety screens, hoods and doors in order to ensure the required operating safety
- Oblong hole for universal application
- Can be used in profile series 40, 45 and 50

Atouts novateurs:

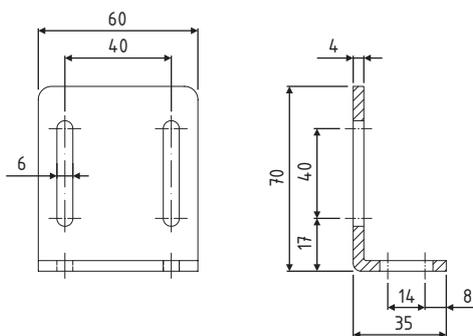
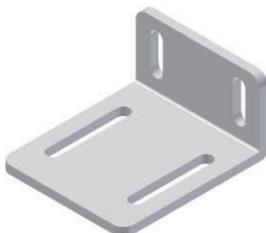
- pour la fermeture sécurisée de portes et de carters de protection
- Par un long trou l'ordre universel Possible
- Application possible pour les séries de profilés 40, 45 et 50.



05.02050.00

Winkel

Brackets · Équerres



8 / 8 05.02054.11

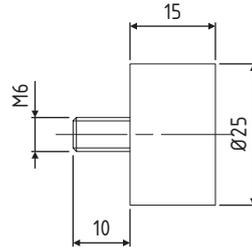
10 / 10 05.02054.12

8 / 10 05.02054.13

ANSCHLAGPUFFER STOP BUFFER BUTEE



Typ A



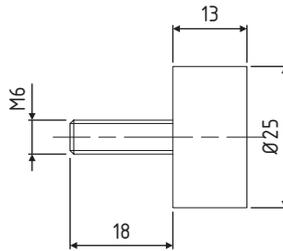
05.01510.00

Gummi, schwarz
50-55 Shore

Rubber, black
50-55 Shore

Caoutchouc, noir
50-55 Shore

Typ B



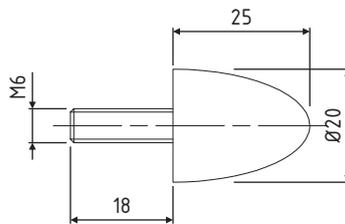
05.01511.00

Gummi, schwarz
50-55 Shore

Rubber, black
50-55 Shore

Caoutchouc, noir
50-55 Shore

Typ C



05.01512.00

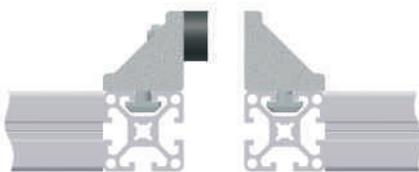
Gummi, schwarz
50-55 Shore

Rubber, black
50-55 Shore

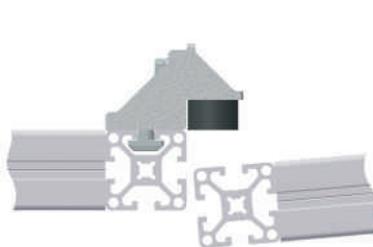
Caoutchouc, noir
50-55 Shore

Anwendung

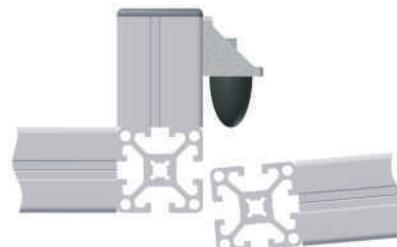
Application · Application



Schiebetüre
Sliding doors
Porte coulissante



Schwenktüre
Swing doors
Porte battante



Technische Änderungen vorbehalten



GRIFFE, SCHLÖSSER

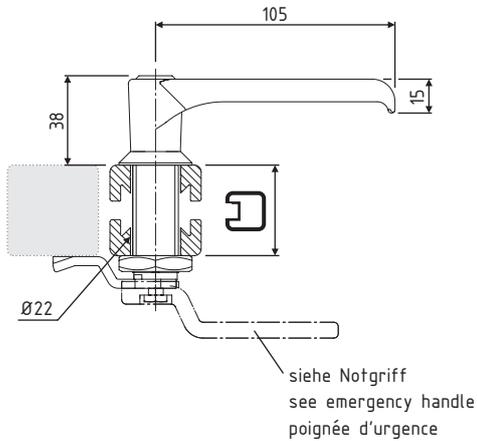
HANDLES, LOCKS

POIGNEES A CAME AVEC SERRURE



Klinkengriff

Latch handle · Poignée à came



40

05.02060.00

45

05.02062.00

50

05.02065.00



40

05.02061.00

45

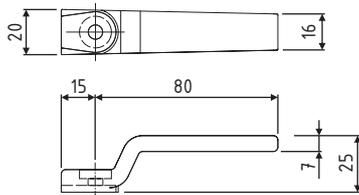
05.02063.00

50

05.02066.00

Notgriff

Emergency handle · Poignée d'urgence



RAL 3032

05.02064.00

KNIEHEBELVERSCHLUSS

TOGGLE CATCH

FERMETURE A GENOUILLERE



Innovative Vorteile:

- Für Türen und Fenster
- Mit Anpressdruck schließbar

Innovative advantages:

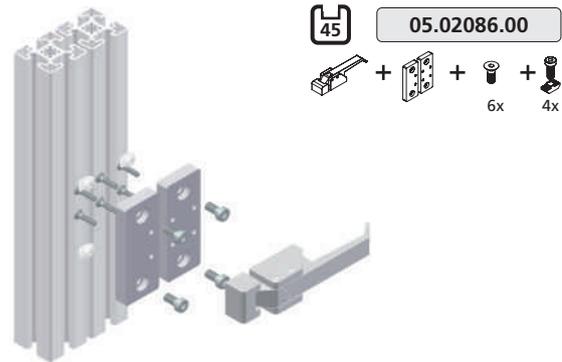
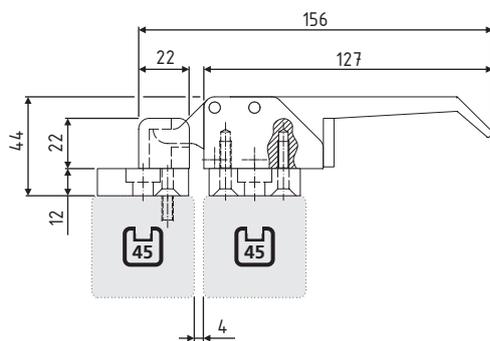
- For doors and windows
- Lockable with pressure

Atouts novateurs:

- Pour portes et fenetres
- Fermable avec pression

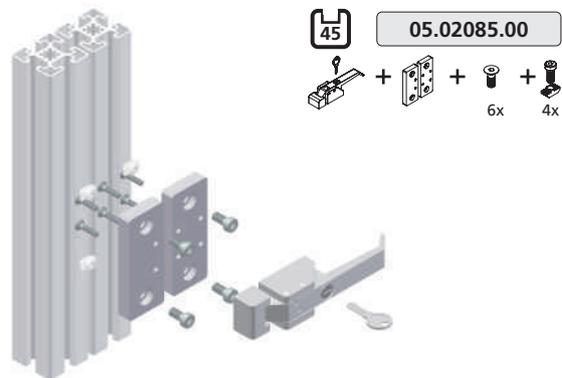
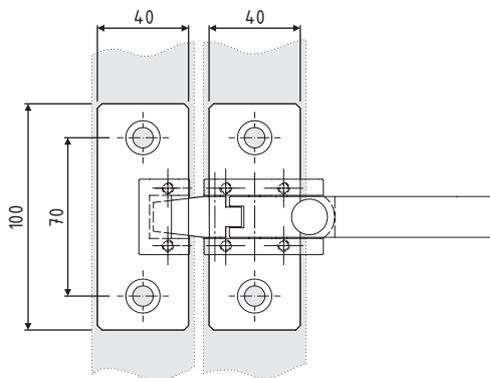
ohne Schloss

without lock · sans serrure



mit Schloss

with lock · avec serrure





TÜRSCHLOSS

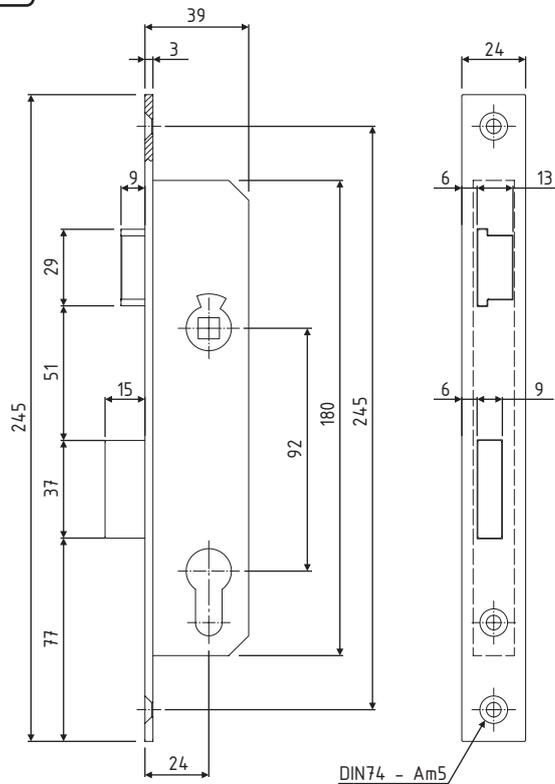
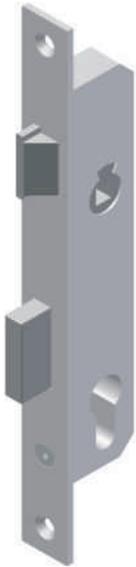
DOOR LOCK

SERRURE

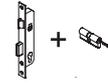


Einsteckschloss

Insert lock ·
Serrure enfichable
de porte battante

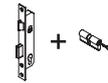


Ausführung rechts
Design right
Version droite



05.02320.00

Ausführung links
Design left
Version gauche



05.02320.50

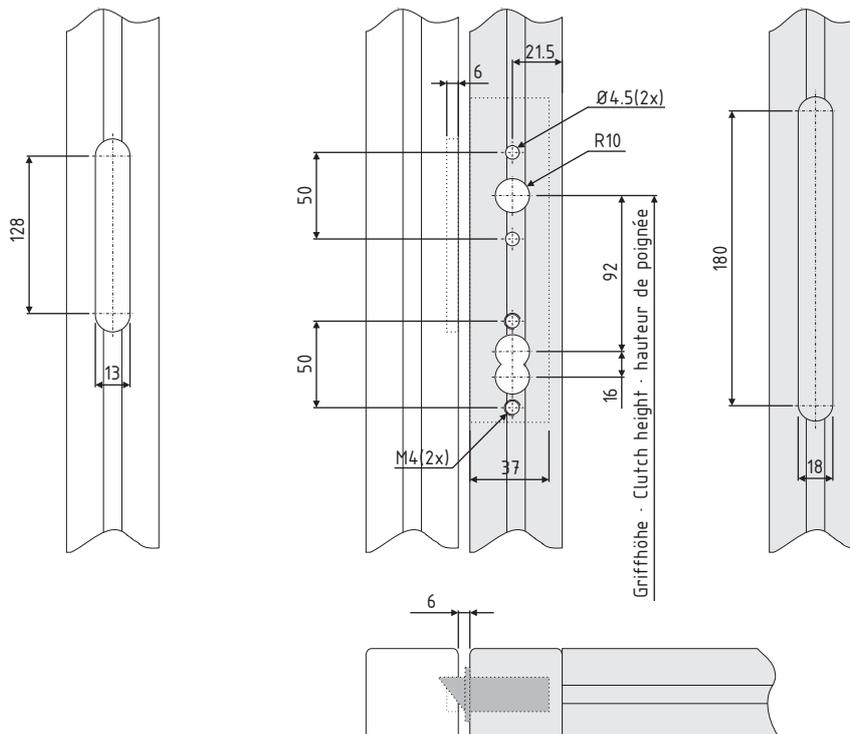
Einsteckschloss, Stahl vz. mit
Schließzylinder für Schwenk-
türen mit Profilrahmen aus
Profil 40x40 und 40x80

Insert lock, steel galvanised
with locking cylinder for
swing doors with profile
frame made of 40x40 or
40x80 profiles

Serrure enfichable, acier
zingué avec cylindre pour
portes battantes avec cadre
en profilé 40x40 ou 40x80

Profilbearbeitung

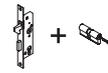
Profile finishing · Usinage de profils



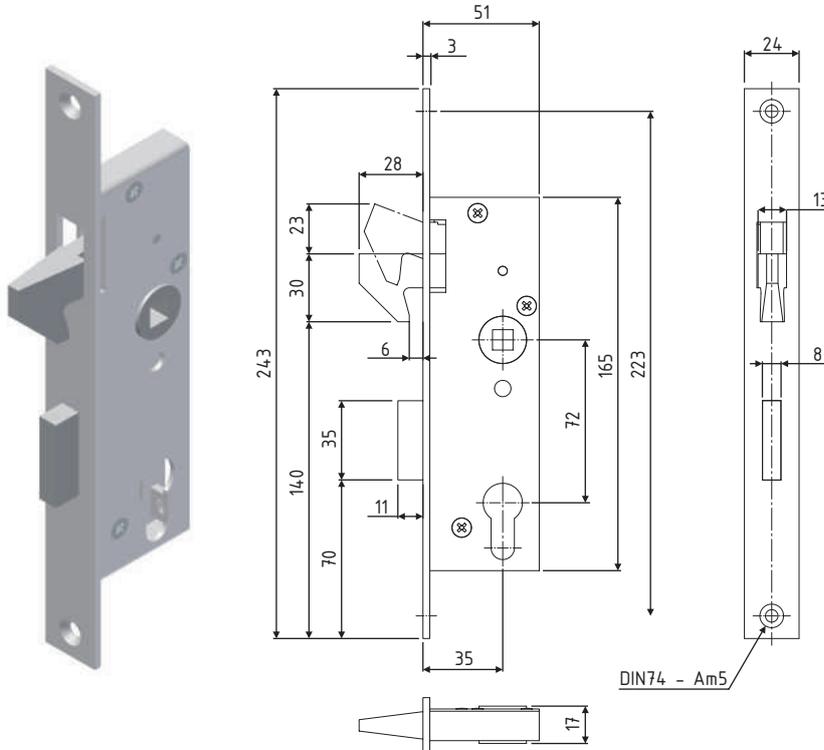
Technische Änderungen vorbehalten

Einsteckschiebetürschloss

Insert door lock · Serrure enfichable de porte coulissante



05.02321.00



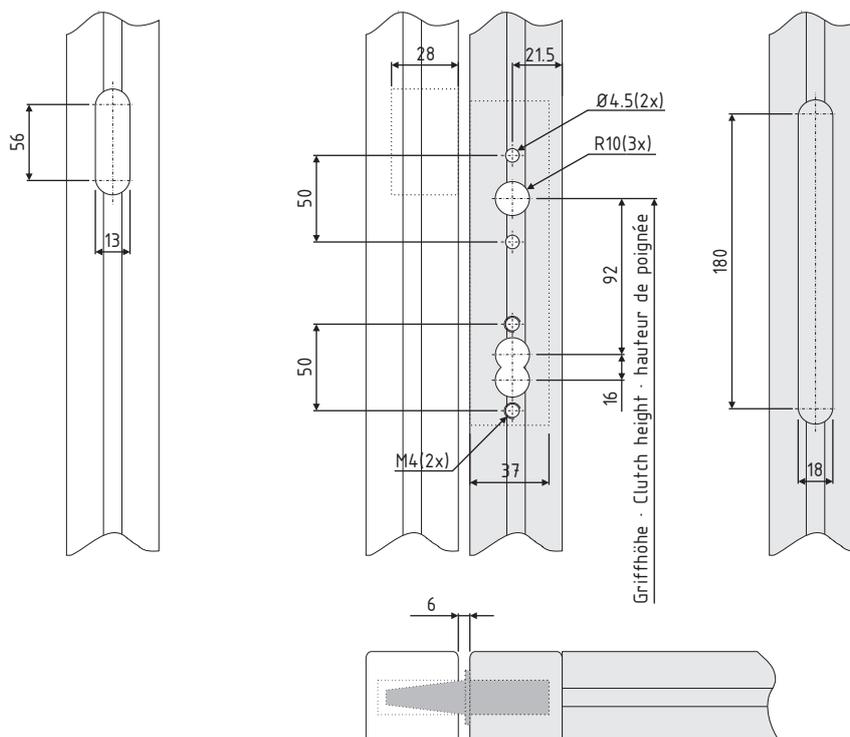
Einsteckschiebeschloss, Stahl vz., mit Schließzylinder, Riegel als Aushebesicherung. Für Schiebetüren mit Profilrahmen aus Profil 40x80.

Insert door lock, steel galvanised with locking cylinder, bar to prevent levering out. For sliding doors with profile frame made of 40x80 profiles.

Serrure enfichable de porte coulissante, acier zingué avec cylindre, verrou comme sécurité anti-dégondage. Pour portes coulissantes avec cadre en profilé 40x80.

Profilbearbeitung

Profile finishing · Usinage de profils





TÜRSCHLOSS ZUBEHÖR

DOOR LOCK ACCESSORIES

SERRURE ACCESSOIRE



Innovative Vorteile:

- Individuelle Auswahl und Kombinationen
- Einheitliches System
- Komplette Serie aus Aluminium, eloxiert
- Elemente sind geeignet für Schiebetüren

Innovative advantages:

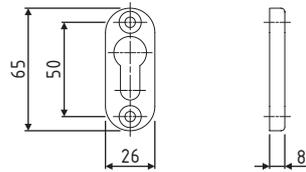
- Individual choice and combinations
- Standard system
- Complete series made of aluminium, anodised
- Elements suitable for swing and Sliding doors

Atouts novateurs:

- Choix individuel et combinaison
- Système unitaire
- Série complète en aluminium anodisé
- Les éléments sont adaptés pour les portes battantes

Schlüsselschild

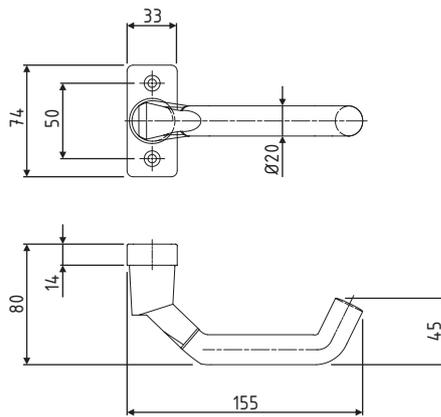
Escutcheon · Ecusson



05.02322.00

Türdrücker

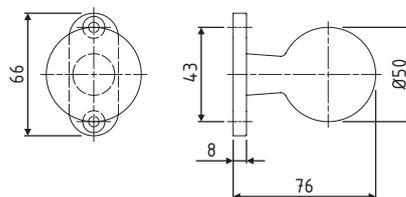
Door handle · Poignée de porte



05.02323.00

Türknoopf Ø50, drehbar

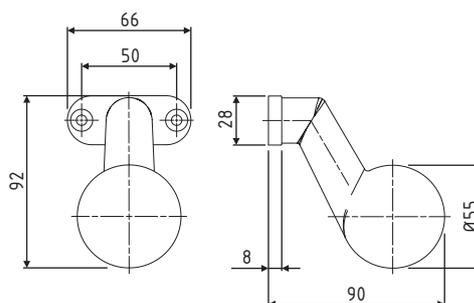
Door knob Ø50, turnable · Bouton de porte Ø50, tournant



05.02324.00

Türknoopf Ø55, starr

Door knob Ø55, rigid · Bouton de porte Ø55, fixe



05.02325.00

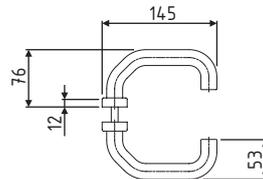
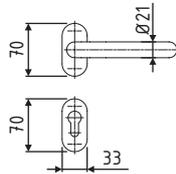
TÜRSCHLOSS KOMPLETTE GARNITUR

DOOR LOCK FITTINGS COMPLETE

SERRURE KIT COMPLET

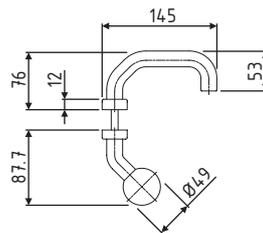
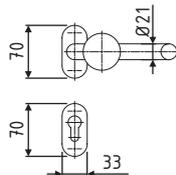


Typ 1



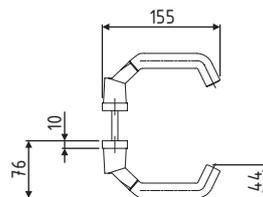
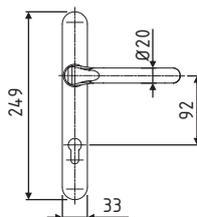
05.02326.00

Typ 2



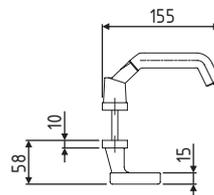
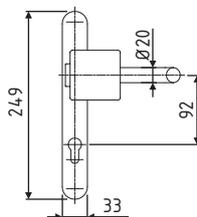
05.02327.00

Typ 3



05.02328.00

Typ 4



05.02329.00

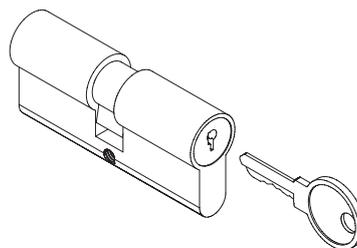
Schließzylinder

Locking cylinder · Cylindre enfichable

Schließzylinder für Schwenktüren mit Profilrahmen aus Profil 40x40 und 40x80

Locking cylinder for swing doors with profile frame made of 40x40 or 40x80 profiles

Serrure enfichable avec cylindre pour portes battantes avec cadre en profilé 40x40 ou 40x80



05.02330.00



SCHIEBETÜRPROFIL

SLIDING DOOR PROFILE

PROFILE DE PORTE COULISSANTE



Merkmale:

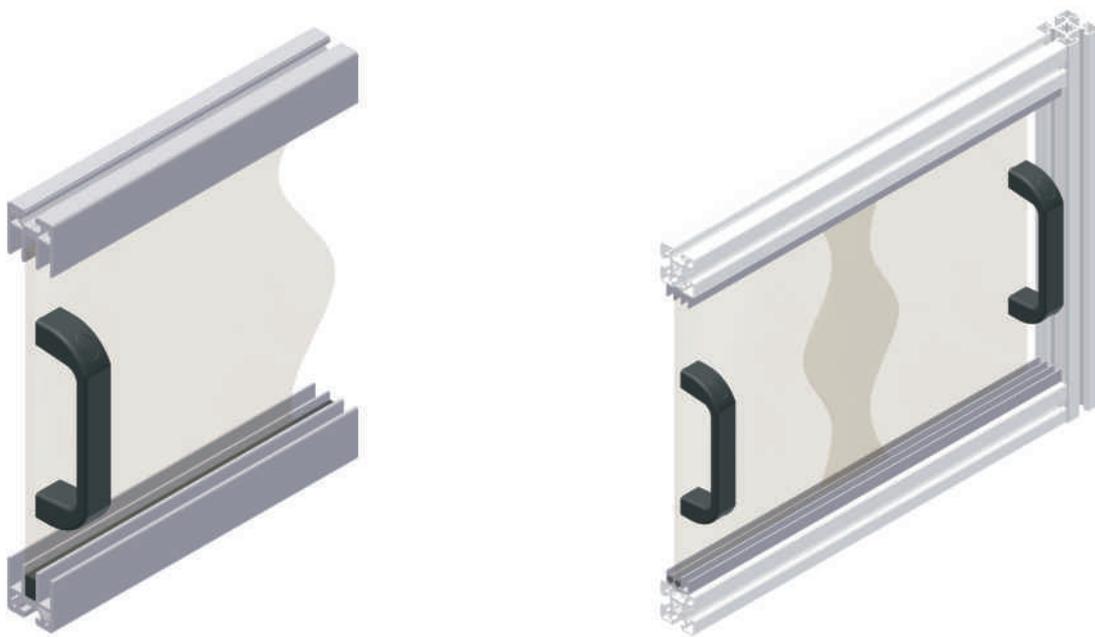
Schiebetüren und -fenster sichern Maschinen und Einrichtungen und schützen vor Staub und Schmutz

Characteristics:

Sliding doors and windows safeguard machines and equipment and protect against dust and dirt

Caracteristiques:

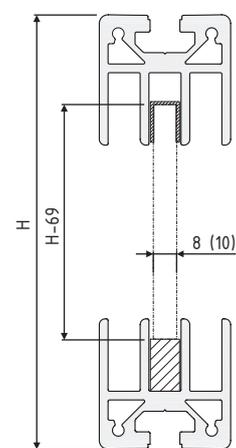
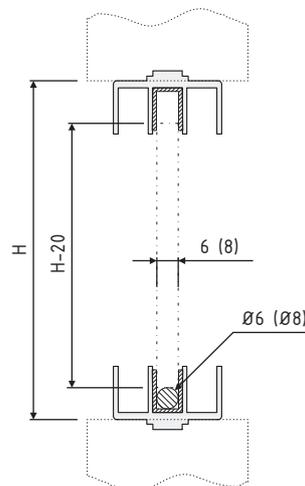
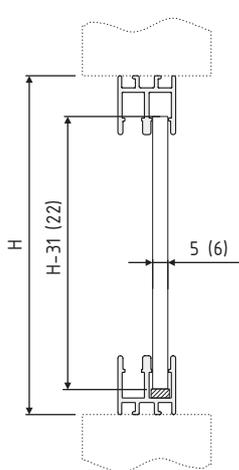
Les portes et fenêtres coulissantes protègent les machines et installations des poussières et saletés



19x19.5

30x15

45x45



Technische Änderungen vorbehalten

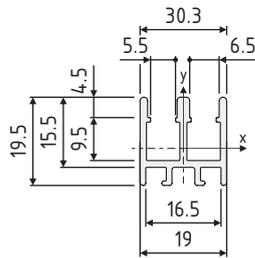
SCHIEBETÜRPROFIL

SLIDING DOOR PROFILE

PROFILE DE PORTE COULISSANTE



19x19.5



05.02332.00

M = 0,33 kg/m

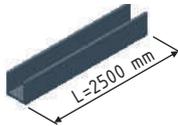
PE (m)
5



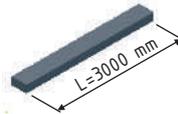
05.02333.00 4-5mm

05.02335.00

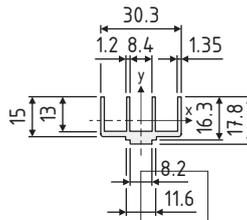
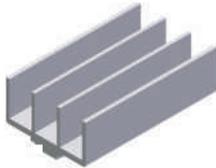
3 x 6 mm, PE



05.02334.00 5-6 mm



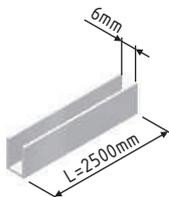
30x15



05.01048.00

M = 1,62 kg/m

PE (m)
6 / 48 / 96



05.01049.00
Reduzierprofil
Reduction profile
Profilé réduction

05.02336.00

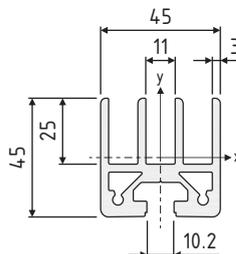
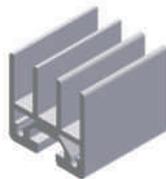
Ø6mm, PE



05.02337.00

Ø8mm, PE

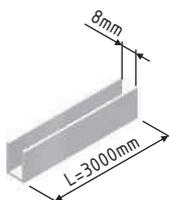
45x45



05.01599.00

M = 2,20 kg/m

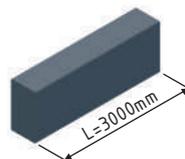
PE (m)
6 / 36 / 72



05.02338.00
Führungsprofil oben
Guide profile, top
Profilé de guidage, en haut

05.02339.00

10x18 mm, PE





PROFILRAHMEN FÜR SCHIEBEFENSTER

PROFILE FRAME FOR SLIDING WINDOWS

CHASSIS EN PROFILE POUR FENETRE COULISSANTE



Merkmale:

Klemmprofil 18x32 zum Bau von leichten Rahmen, für Schiebe- und Hubfenster.

Flächenelemente mit 10 mm Dicke können direkt eingebaut werden. Flächenelemente von 2-8 mm werden mit Einfassprofil eingebaut.

Characteristics:

Clamping profile 18x32 for construction of lightweight frames, for sash and lift windows.

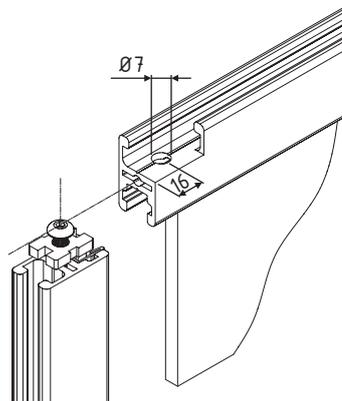
Area elements 10 mm thick can be installed direct. Areas elements 2-8 mm thick are installed with clamping profile.

Caracteristiques:

Profilé 18x32 pour la réalisation de châssis légers pour fenêtres coulissantes et fenêtres à guillotine. Les panneaux de remplissage d'une épaisseur de 10mm peuvent être encastrés directement. Ceux de 2-8 mm se montent avec un joint baguette.

Befestigung

Fastening · Fixation



→ ■ 3.19

05.01408.00

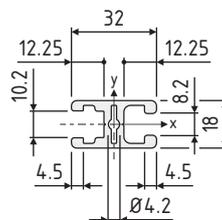
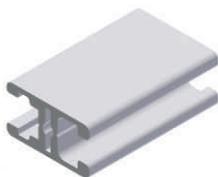


→ ■ 3.28

05.01887.00

Klemmprofil 18x32

Clamping profile 18x32 · Profilé 18x32



05.01711.00

M = 0,67 kg/m

I_x = 1,85 cm⁴

W_x = 1,14 cm³

I_y = 1,10 cm⁴

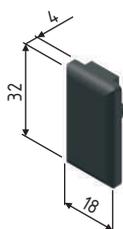
W_y = 1,22 cm³

PE (m)

6 / 30 / 60

Abdeckkappe 18x32

Cover cap 18x32 · Cache 18x32



05.01749.00

PA schwarz
black
noir

Einfassprofil

Clamping profile · Joint baguette



→ ■ 7.03

05.01830.00

SCHIEBEFENSTER MIT PROFILRAHMEN

SLIDING WINDOW WITH PROFILE FRAME

FENETRE COULISSANTE AVEC CHASSIS EN PROFILE



Merkmale:

Schiebefenster mit Profilrahmen aus Klemmprofil 18x32 und Schiebegleiter-Sätzen.

Die Befestigung erfolgt durch Einrasten eines Federbolzens in die Montagebohrung Ø7 des Klemmprofils 18x32.

Das Gleitstück kann durch eine zusätzliche Bohrung Ø7 an beliebiger Stelle fixiert werden.

Es können wahlweise 1 oder 2 Schiebefenster in einer Profilitnut 8 geführt werden.

Die Gleitstücke bilden einen Mitnehmer des zweiten Fensters.

Characteristics:

Sliding window with profile frame made of clampin profile 18x32 and slider sets.

Fastening by latching spring bolt into the assembly hole Ø7 of the clamping profile 18x32. The sliding element can be fastened at required point using an additional hole Ø.

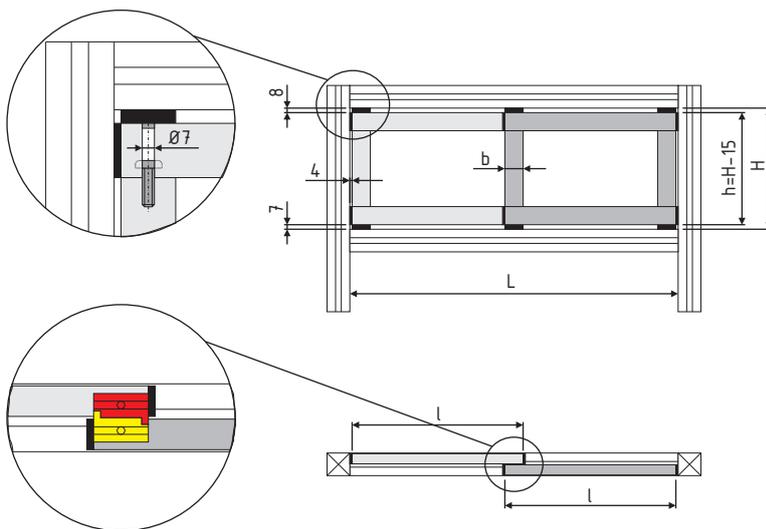
A choice of 1 or 2 sash windows can be run in a profile groove 8. The sliding elements form a catch for the second window. The permitted weight of a window is max. 10 kg.

Caracteristiques:

Fenêtre coulissante avec châssis en profilé 18x32 et patins de glissement.

La fixation s'effectue en encliquetant un boulon à ressort. Dans le perçage de montage Ø7 du profilé 18x32. L'élément coulissant peut être fixé quel que soit l'endroit, en effectuant un perçage supplémentaire.

On peut au choix guider 1 ou 2 fenêtres coulissantes dans une rainure de profilé 8. Les éléments coulissants forment un taquet d'entraînement de la deuxième fenêtre.



Das zulässige Gewicht eines Fensters beträgt max. 10kg.

The permitted weight of a window is max. 10 kg.

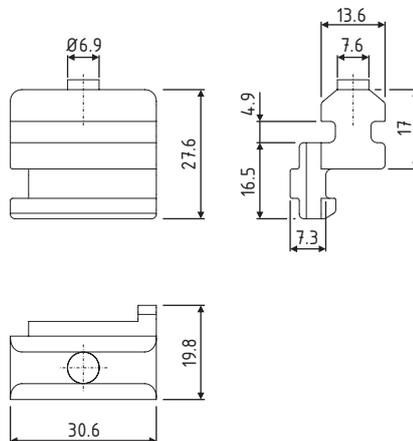
Le poids admissible d'une fenêtre est de max. 10 kg

$$l = \frac{L-8 + (n-1)b}{n}$$

N = Anzahl
Number of
Nombre

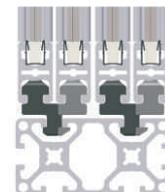
Schiebegleiter

Slider · Patins de glissement



05.02340.00

Satz für Schiebetür-Führung besteht aus 2x rechts und 2x links



Technische Änderungen vorbehalten



FALTÜREN

FOLDING DOORS

PORTES ACCORDEON



Merkmale:

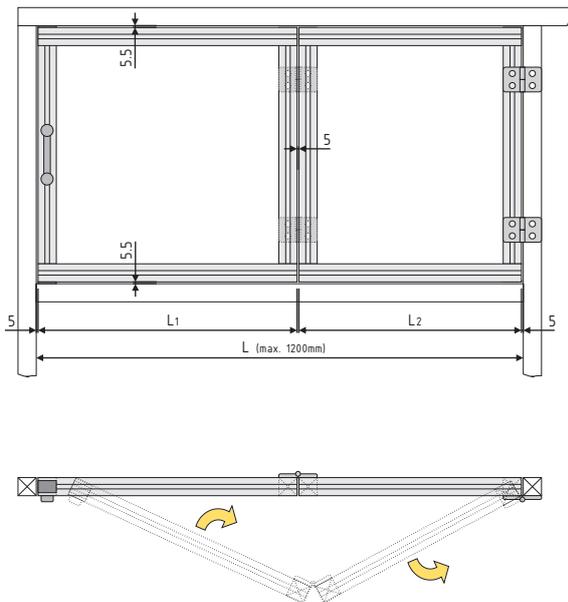
Das Falttürelement ist für gleichzeitige Dreh- und Gleitbewegungen ausgelegt und hat eine sehr hohe Lebensdauer.

Characteristics:

The folding door element is designed for simultaneous rotary and sliding door movements and has a very long service life.

Caracteristiques:

Le module accordéon est conçu pour des mouvements glissants et rotatifs simultanés. Très bonne fiabilité.



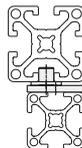
30



$$L_1 = \frac{1}{2}L - 25.8$$

$$L_2 = \frac{1}{2}L + 10.8$$

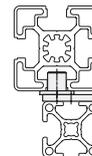
40



$$L_1 = \frac{1}{2}L - \text{---}$$

$$L_2 = \frac{1}{2}L + \text{---}$$

45



$$L_1 = \frac{1}{2}L - 29.5$$

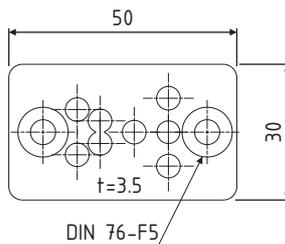
$$L_2 = \frac{1}{2}L + 14.5$$

Falttürelement

Folding door elements · Interface pour support de pions

8E

05.01600.00



Technische Änderungen vorbehalten

KLAPPTÜREN

TRAPDOORS

PORTES A CREMAILLERE



Merkmale:

Klapp- und Schwenktüren mit einem stabilen durchgehenden Scharnierprofil für eine sichere Funktion

Characteristics:

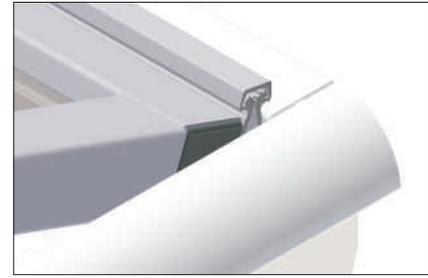
Flap and swing doors with a sturdy continuous hinge bar for safe function

Caracteristiques:

Portes coulissantes et portes crémaillères équipées d'un profilé charnière d'un fonctionnement Particulièrement fiable

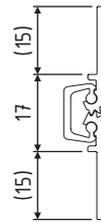
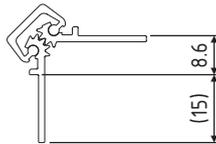
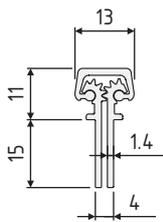
Anwendung

Application · Application



Scharnierprofil 13x26

Hinge profile 13x26 · Profilé charnière 13x26

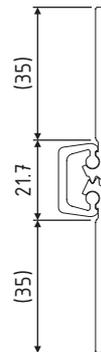
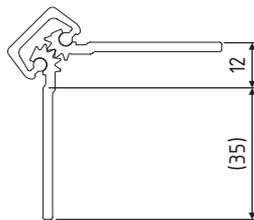
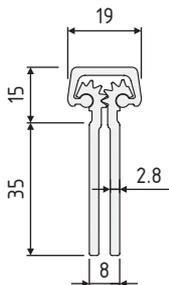


M = 0,33 kg/m

05.02372.00

Scharnierprofil 19x50

Hinge profile 19 x 50 · Profilé charnière 19x50



M = 0,92 kg/m

05.02373.00



SCHWENKTÜREN

SWING DOORS

PORTES BATTANTES



Merkmale:

FM- Schwenktüren sind mit stabilen Alu-Scharnieren ausgerüstet. Das reichhaltige Zubehör ermöglicht eine vielfältige Ausführung.

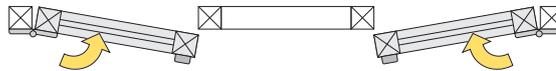
Characteristics:

FM swivel doors are fitted with sturdy aluminium hinges. The extensive range of accessories allows a wide variety of designs.

Caracteristiques:

Les portes battantes FM sont équipées de charnières alu robustes. la diversité des accessoires permet une grande variété d'applications.

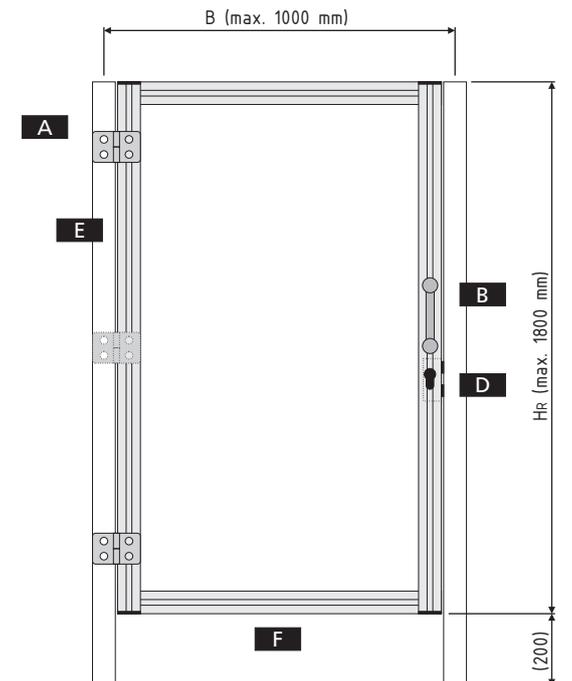
Ausführung links
Design left
Version gauche



Ausführung rechts
Design right
Version droite

Anwendung

Application · Application



- A** Scharniere → ■ 8.08
Hinges
Charnières
- B** Griffe → ■ 8.13
Handles
Poignées
- C** Haltesysteme → ■ 8.20
Retaining systems
Systèmes de maintien
- D** Schließsysteme → ■ 8.22
Locking systems
Systèmes de fermeture
- E** Geeignete Stützen → ■ 11.05
Suitable supports
Montants adaptés
- F** Empfohlene Profilreihen
Recommended profile series
Séries de profilés conseillées



→ ■ 2.27



→ ■ 2.53

B	x	H	
750		1800	05.05071.10
850		1800	05.05072.10
1000		1800	05.05073.10

SCHIEBETÜREN

SLIDING DOORS

PORTES COULISSANTES



Merkmale:

FM-Schiebetüren mit einem Alu- C- Profil und leichtgängigen Rollenwagen. Die untere Zusatzführung über eine Führungsrolle sichert die Türe gegen Ausschwenken

Characteristics:

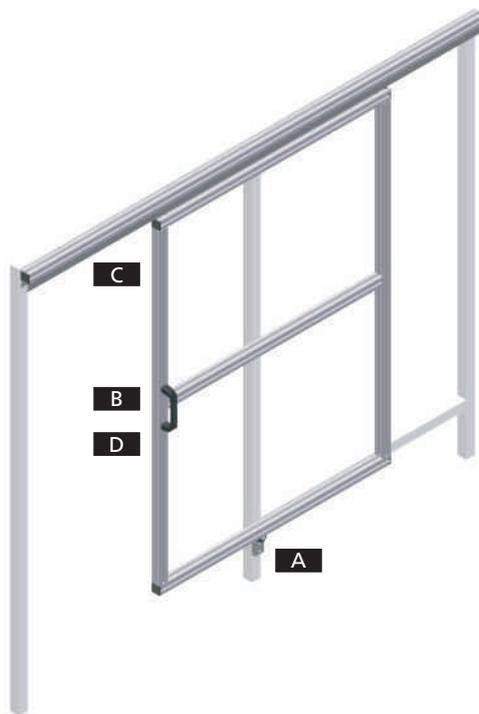
FM sliding doors with an aluminium C-profile and easy running roller carriage. Additional lower guidance by guide roller prevents the door from swinging out

Caracteristiques:

Portes coulissantes FM équipées de profilé alu C et d'un chariot de roulement d'excellente mobilité. Le guidage inférieur complémentaire Par galet assure le guidage intérieur

Anwendung

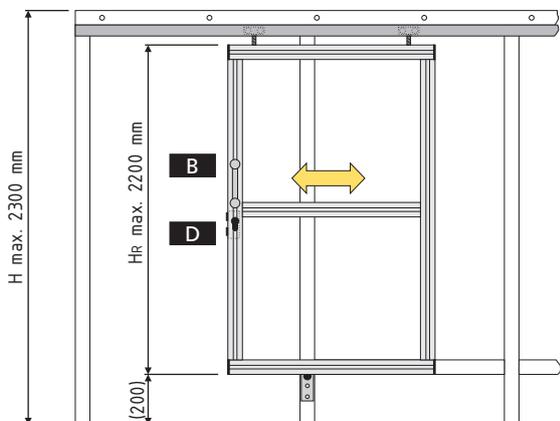
Application · Application



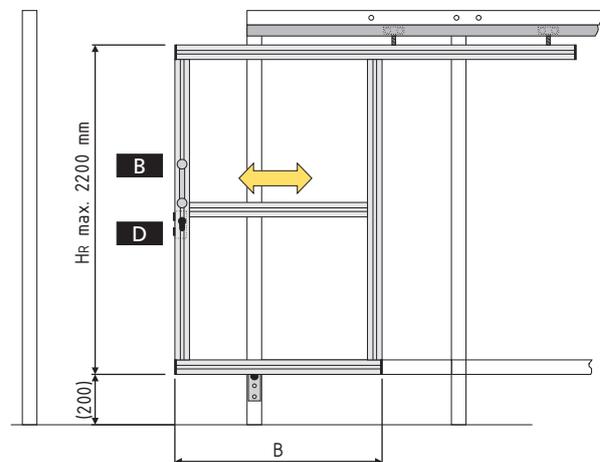
- A** **Laufrollen** → ■ 6.08
Rollers
Galets
- B** **Griffe** → ■ 8.13
Handles
Poignées
- C** **Haltesysteme** → ■ 8.20
Retaining systems
Systèmes de maintien
- D** **Schließsysteme** → ■ 8.22
Locking systems
Systèmes de fermeture

8

Typ 1



Typ 2



Technische Änderungen vorbehalten



SCHARNIERPROFIL OHNE PROFILRAHMEN

HINGE PROFILE WITHOUT PROFILE FRAME

PROFILE CHARNIERE SANS CADRE DE PROFILE



Merkmale:

- Scharnier für frei tragende Flächenelemente ohne Spalt zum Anschluss-Profil

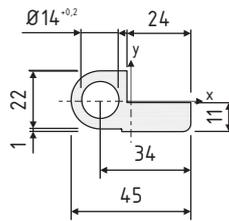
Characteristics:

- Hinge for free-weight-bearing surface elements without gap to the connection profile

Caracteristiques:

- Charnière pour les éléments de surface librement portant sans Fente au profil de correspondance

45x22

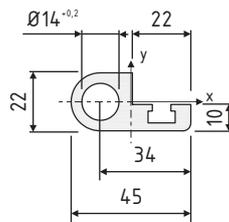


05.01948.00

M = 1,40 kg/m
 $I_x = 2,50 \text{ cm}^4$
 $W_x = 2,27 \text{ cm}^3$
 $I_y = 8,10 \text{ cm}^4$
 $W_y = 3,60 \text{ cm}^3$

PE (m)
 6 / 48 / 96 / 144

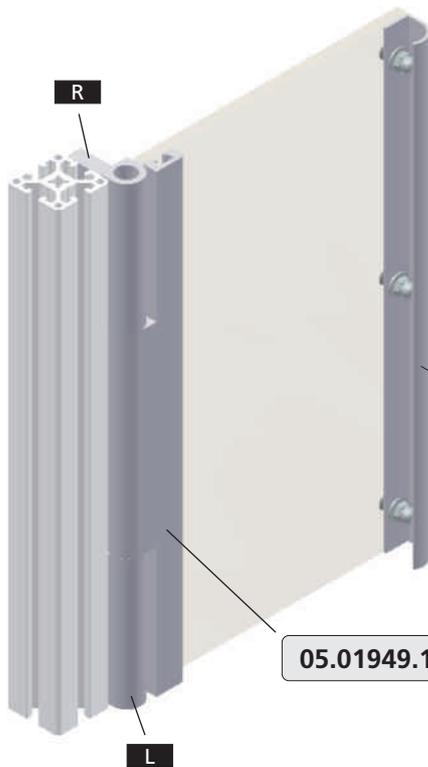
45x22



05.01949.00

M = 1,23 kg/m
 $I_x = 2,24 \text{ cm}^4$
 $W_x = 2,03 \text{ cm}^3$
 $I_y = 6,84 \text{ cm}^4$
 $W_y = 3,04 \text{ cm}^3$

PE (m)
 6 / 36 / 72 / 108



Endstück komplett



05.01304.40

L

End piece complete

05.01305.40

R

Ensemble complet



05.01304.45

L

05.01305.45

R

8.15

05.01949.10 L = mm



120°



110°

Technische Änderungen vorbehalten

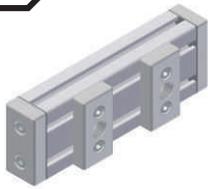
INSTALLATIONSELEMENTE

INSTALLATION ELEMENTS

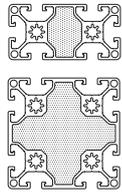
PNEUMATIQUE ET ELECTRIQUE



8



■ 9.02

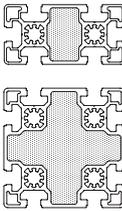


■ 9.03

10



■ 9.04



■ 9.05



■ 9.06



■ 9.06



■ 9.06



■ 9.07



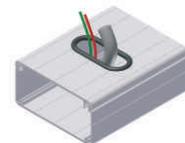
■ 9.07



■ 9.07



■ 9.08



■ 9.09



■ 9.10



■ 9.10

9

Technische Änderungen vorbehalten



LUFTFÜHRUNGSELEMENTE 40

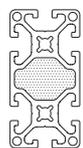
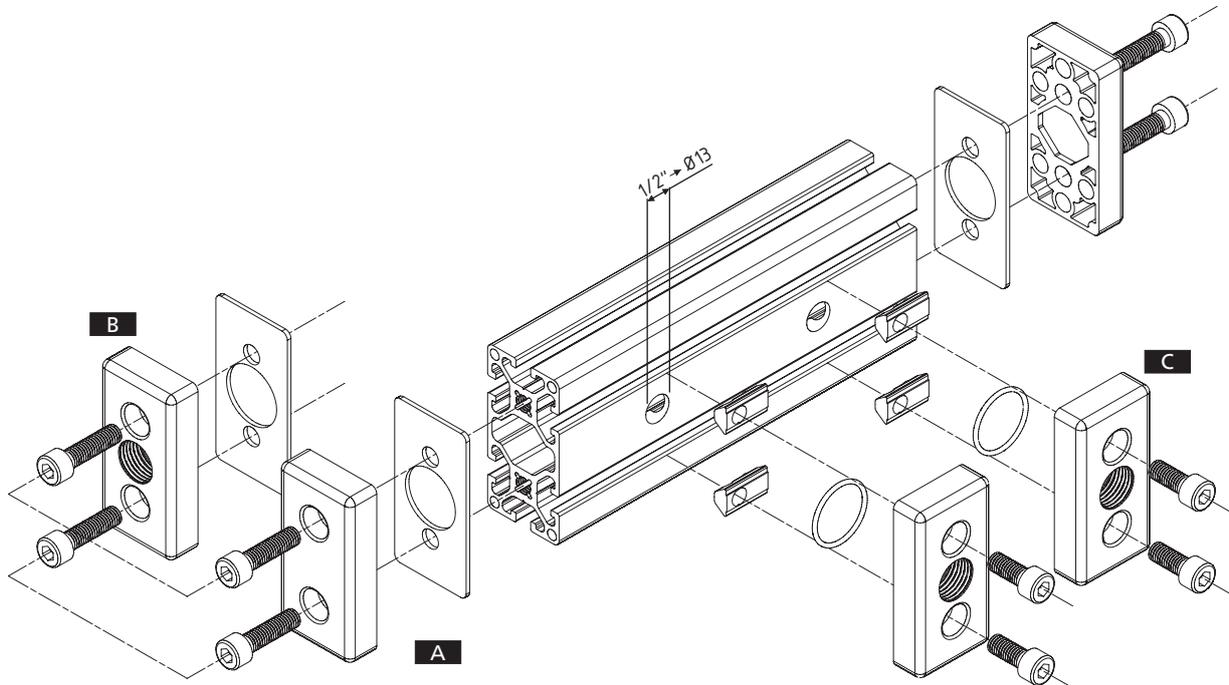
AIR SUPPLY ELEMENTS 40

CONDUITE D'AIR COMPRIME 40

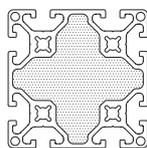


Anwendung

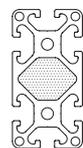
Application · Application



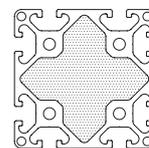
6.3 cm²



26.7 cm²

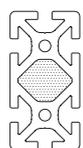


5.7 cm²

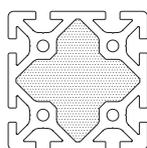


25.4 cm²

max. 10 bar



5.1 cm²



24.6 cm²

max. 12 bar

Technische Änderungen vorbehalten

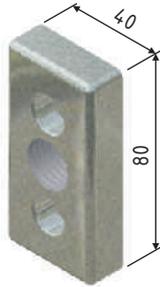
LUFTFÜHRUNGSELEMENTE 40

AIR SUPPLY ELEMENTS 40

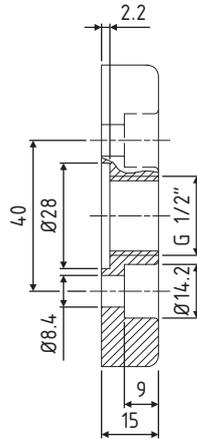
CONDUITE D'AIR COMPRI ME 40



40x80

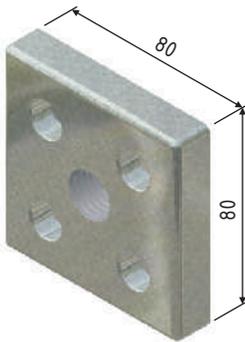


GD-Zn

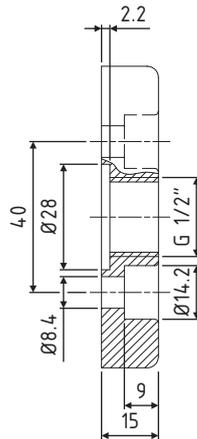


- A** + 2x **05.00796.00**
- B** + 2x **05.00791.10**
- C** + 2x **05.00799.10**
- C** + 2x **05.00799.20**

80x80



GD-Zn



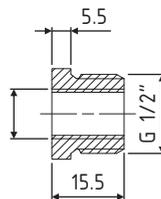
- A** + 4x **05.00801.00**
- B** + 4x **05.00793.10**
- C** + 4x **05.00800.10**
- C** + 4x **05.00800.20**

Reduzierstück

Adapter · Réducteur



SW24



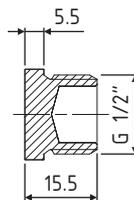
- 1/2" → 3/8"** **05.00750.00**
- 1/2" → 1/4"** **05.00751.00**
- 1/2" → 1/8"** **05.00752.00**

Verschlussstück

Seal · Obturateur



SW24



- 1/2"** **05.00753.00**



LUFTFÜHRUNGSELEMENTE 45

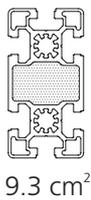
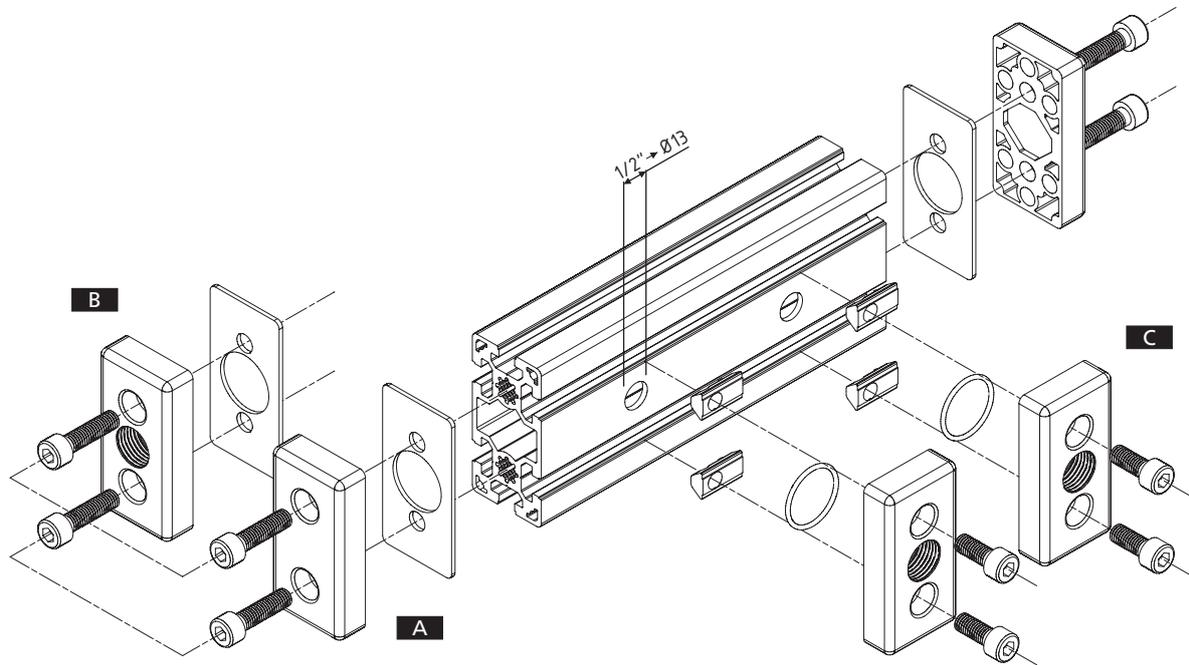
AIR SUPPLY ELEMENTS 45

CONDUITE D'AIR COMPRIME 45

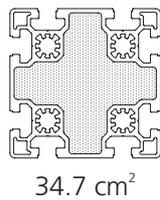


Anwendung

Application · Application

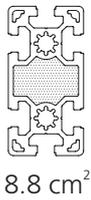


9.3 cm²



34.7 cm²

max. 8 bar



8.8 cm²

max. 12 bar

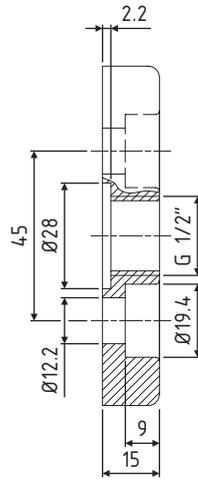
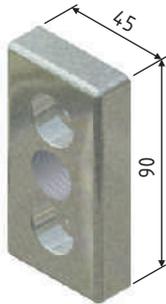
LUFTFÜHRUNGSELEMENTE 45

AIR SUPPLY ELEMENTS 45

CONDUITE D'AIR COMPRIE 45

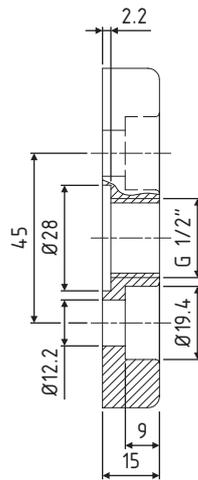
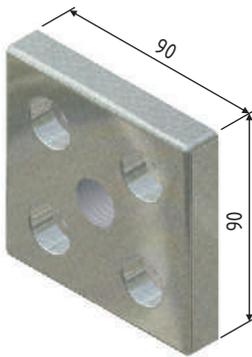


45x90



- A** + 2x **05.00759.00**
- B** + 2x **05.00755.10**
- C** + 2x **05.00757.10**
- C** + 2x **05.00757.20**

90x90



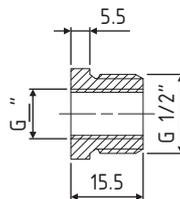
- A** + 4x **05.00760.00**
- B** + 4x **05.00756.10**
- C** + 4x **05.00758.10**
- C** + 4x **05.00758.20**

Reduzierstück

Adapter · Réducteur



SW24



1/2" → 3/8" **05.00750.00**

1/2" → 1/4" **05.00751.00**

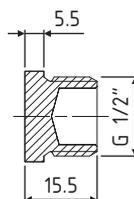
1/2" → 1/8" **05.00752.00**

Verschlussstück

Seal · Obturateur



SW24



1/2" **05.00753.00**



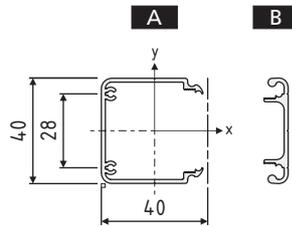
KABELKANALPROFILE

CABLE DUCT PROFILE

GOULOTTE ALUMINIUM



40x40



A

05.02025.00

M = 0,53 kg/m
 $I_x = 5,16 \text{ cm}^4$
 $W_x = 2,58 \text{ cm}^3$
 $I_y = 3,10 \text{ cm}^4$
 $W_y = 1,55 \text{ cm}^3$



PE (m)
 6 / 24 / 48

B

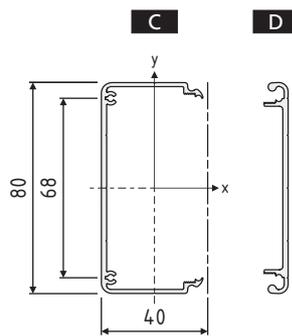
05.02026.00

M = 0,30 kg/m
 $I_x = 1,95 \text{ cm}^4$
 $W_x = 0,97 \text{ cm}^3$
 $I_y = 0,06 \text{ cm}^4$
 $W_y = 0,04 \text{ cm}^3$



PE (m)
 6 / 24 / 48

40x80



C

05.02027.00

M = 0,78 kg/m
 $I_x = 27,11 \text{ cm}^4$
 $W_x = 6,77 \text{ cm}^3$
 $I_y = 4,03 \text{ cm}^4$
 $W_y = 2,01 \text{ cm}^3$



PE (m)
 6 / 12 / 24 / 48

D

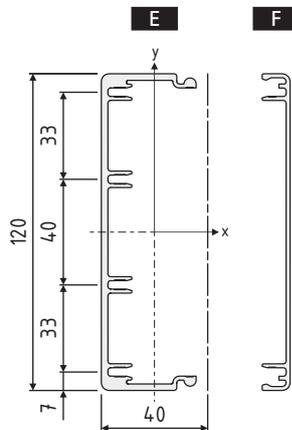
05.02028.00

M = 0,54 kg/m
 $I_x = 13,24 \text{ cm}^4$
 $W_x = 3,31 \text{ cm}^3$
 $I_y = 0,08 \text{ cm}^4$
 $W_y = 0,05 \text{ cm}^3$



PE (m)
 6 / 12 / 24 / 48

40x120



E

05.02214.00

M = 1,60 kg/m
 $I_x = 115,69 \text{ cm}^4$
 $W_x = 19,28 \text{ cm}^3$
 $I_y = 5,43 \text{ cm}^4$
 $W_y = 2,72 \text{ cm}^3$



PE (m)
 3 / 30

F

05.02216.00

M = 0,66 kg/m
 $I_x = 40,69 \text{ cm}^4$
 $W_x = 6,78 \text{ cm}^3$
 $I_y = 0,16 \text{ cm}^4$
 $W_y = 0,10 \text{ cm}^3$



PE (m)
 3 / 30

Technische Änderungen vorbehalten

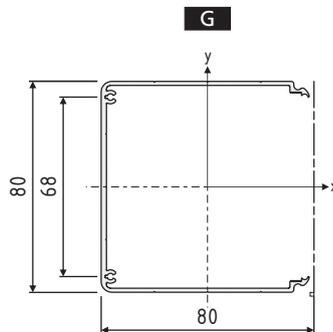
KABELKANALPROFILE

CABLE DUCT PROFILE

GOULOTTE ALUMINIUM



80x80



G



05.02029.00

M = 1,10 kg/m
 $I_x = 45,47 \text{ cm}^4$
 $W_x = 11,37 \text{ cm}^3$
 $I_y = 27,85 \text{ cm}^4$
 $W_y = 6,96 \text{ cm}^3$

PE (m)
 6 / 24 / 48

H

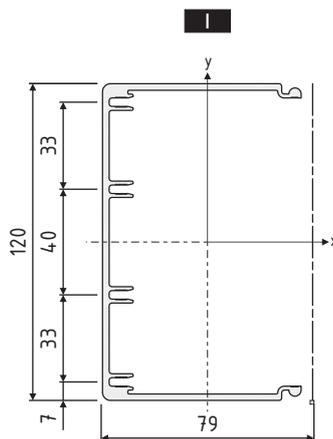
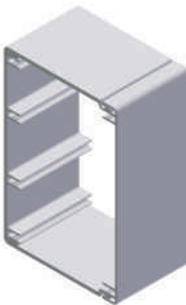


05.02028.00

M = 0,54 kg/m
 $I_x = 13,24 \text{ cm}^4$
 $W_x = 3,31 \text{ cm}^3$
 $I_y = 0,08 \text{ cm}^4$
 $W_y = 0,05 \text{ cm}^3$

PE (m)
 6 / 24 / 48

80x120



I



05.02215.00

M = 2,12 kg/m
 $I_x = 182,32 \text{ cm}^4$
 $W_x = 30,39 \text{ cm}^3$
 $I_y = 42,56 \text{ cm}^4$
 $W_y = 10,64 \text{ cm}^3$

PE (m)
 3 / 30

J

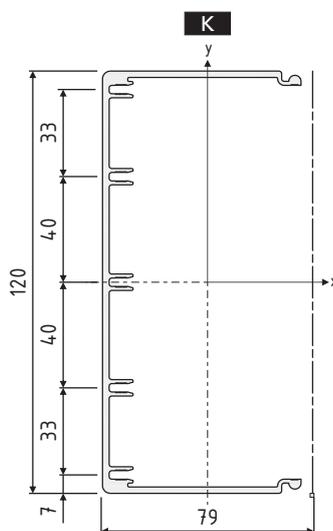
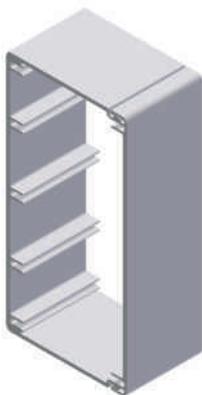


05.02216.00

M = 0,66 kg/m
 $I_x = 40,69 \text{ cm}^4$
 $W_x = 6,78 \text{ cm}^3$
 $I_y = 0,16 \text{ cm}^4$
 $W_y = 0,10 \text{ cm}^3$

PE (m)
 3 / 30

80x160



K



05.02217.00

M = 2,43 kg/m
 $I_x = 349,85 \text{ cm}^4$
 $W_x = 43,73 \text{ cm}^3$
 $I_y = 45,36 \text{ cm}^4$
 $W_y = 11,34 \text{ cm}^3$

PE (m)
 3 / 30

L



05.02218.00

M = 1,19 kg/m
 $I_x = 109,37 \text{ cm}^4$
 $W_x = 13,67 \text{ cm}^3$
 $I_y = 0,18 \text{ cm}^4$
 $W_y = 0,10 \text{ cm}^3$

PE (m)
 3 / 30



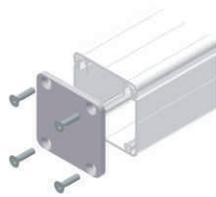
KABELKANAL ABDECKKAPPEN

CABLE DUCT COVERING CAP

GOULOTTE ALUMINIUM EMBOUTS



40x40



*



DIN 7991
M3x20 (4x)

St, vz. 3 mm

05.02219.00

VA 3 mm

05.02219.10

40x80



*



DIN 7991
M3x20 (4x)

St, vz. 3 mm

05.02222.00

VA 3 mm

05.02222.10

40x120



*

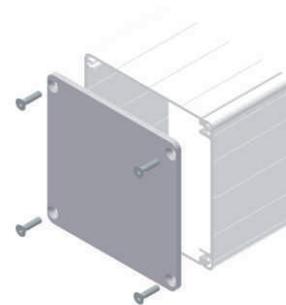


DIN 7984
M4x20 (4x)

PA, 4 mm

05.02269.00

80x80



*

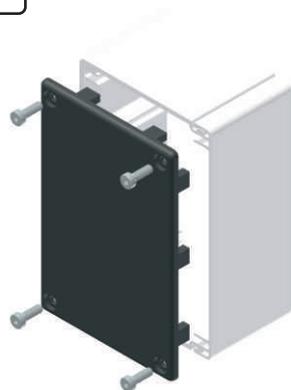


DIN 7991
M3x20 (4x)

St, vz. 3 mm

05.02268.00

80x120



*



DIN 7984
M4x20 (4x)

PA, 4 mm

05.02223.00

80x160



*



DIN 7984
M4x20 (4x)

PA, 4 mm

05.02224.00

KABELDURCHFÜHRUNGEN

CABLE BUSHING

PASSE-CABLES



Innovative Vorteile

- Einfaches Verlegen von Leitungen
- Deckt scharfe Schnittkanten ab
- Geschützte Ausleitung von Kabeln und Schläuchen
- Typ B und Typ D, für nachträglichen Leitungseinbau geeignet

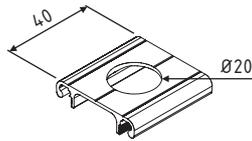
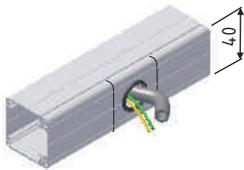
Innovative advantages

- Easy laying of cables
- Covers sharp edges
- Protected outlet of cables and hoses
- Type B and type D for later cable installation

Atouts novateurs

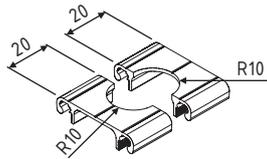
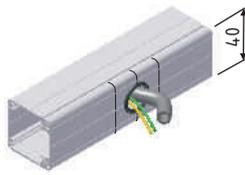
- Pose aisée de câbles
- Sécurise les arêtes
- Sortie protégée de câbles et flexibles
- Type B et type D pour installation ultérieure de câbles

Typ A



05.02156.00

Typ B



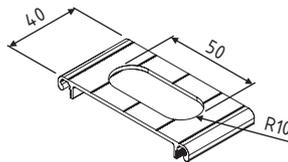
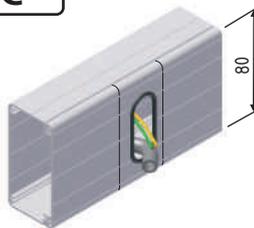
05.02157.00

Für nachträglichen Einbau geeignet

Suitable for retrofitting

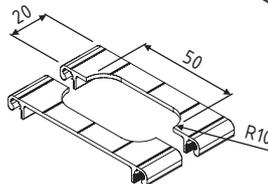
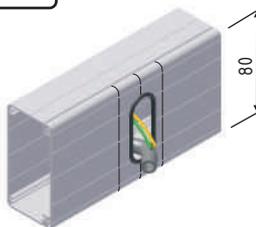
Adapté pour montage ultérieur

Typ C



05.02158.00

Typ D



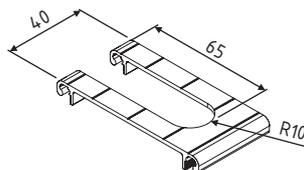
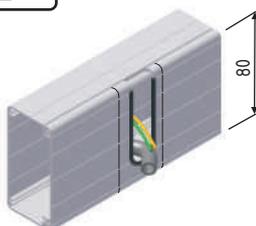
05.02159.00

Für nachträglichen Einbau geeignet

Suitable for retrofitting

Adapté pour montage ultérieur

Typ E



05.2160.00

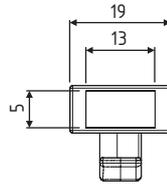
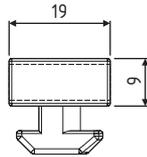


INSTALLATIONSELEMENTE INSTALLATION ELEMENTS PNEUMATIQUE ET ELECTRIQUE



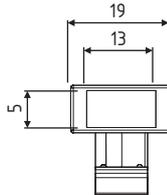
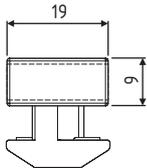
Kabelhalter

Cable holder · Porte-câbles



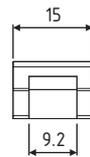
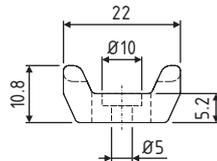
8 05.01528.00

Kunststoff PA,
glasfaserverstärkt
Plastic, PA,
fibreglass reinforced
Plastique, PA,
renforcé fibres de verre



10 05.01530.00

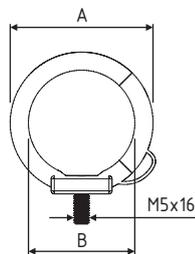
Kunststoff PA,
glasfaserverstärkt
Plastic, PA,
fibreglass reinforced
Plastique, PA,
renforcé fibres de verre



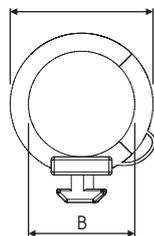
05.01531.00

Kunststoff PA,
glasfaserverstärkt
Plastic, PA,
fibreglass reinforced
Plastique, PA,
renforcé fibres de verre

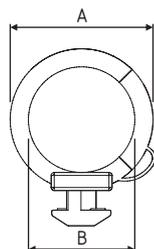
IR-Quick



	A	B	
IR-Quick 15F - S	28.5	17	05.01264.00
IR-Quick 25F - S	36.5	25	05.01265.00
IR-Quick 35F - S	47.5	35	05.01266.00
IR-Quick 45F - S	56.5	45	05.01267.00



8	A	B	
IR-Quick 15F - 8	28.5	17	05.01275.00
IR-Quick 25F - 8	36.5	25	05.01276.00
IR-Quick 35F - 8	47.5	35	05.01277.00
IR-Quick 45F - 8	56.5	45	05.01278.00



10	A	B	
IR-Quick 15F - 10	28.5	17	05.01260.00
IR-Quick 25F - 10	36.5	25	05.01261.00
IR-Quick 35F - 10	47.5	35	05.01262.00
IR-Quick 45F - 10	56.5	45	05.01263.00

Technische Änderungen vorbehalten

MESSESYSTEM OPO

OPO TRADE FAIR SYSTEM

SYSTEME POUR SALON OPO



OPO... ONE PERSON ONLY

Ein professionelles Standbausystem für alle Arten der Unternehmens- und Produktpräsentation

Merkmale:

- Verschiedene Winkel durch 4-, 6- oder 8-Kammer-Stützen
- Montage mit nur einer Person und einem Werkzeug möglich
- Anbindung an FM-Aluprofilsystem möglich
- Baukastensystem mit Modulen und Rastermaßen
- Formschönes Design
- Umfangreiches Zubehör
- Planung und Konstruktion durch FM möglich

OPO... ONE PERSON ONLY

A professional stand construction system for all types of company and product presentations

Features:

- 4, 6 or 8 chamber supports for a variety of angles
- Can be assembled using just one person and one tool
- Connection to FM aluminium profile system possible
- Modular system with modules and grid sizes
- Elegant design
- Wide range of accessories
- Planning and design by FM possible

OPO... ONE PERSON ONLY

Un système professionnel de construction de stands pour tous types de présentations événementielles d'entreprises ou de produits

Caractéristiques:

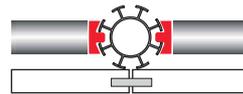
- Différents angles grâce aux montants à 4, 6 ou 8 rainures
- Montage ultra simple
- Compatible avec le système de profilés alu FM
- Système d'éléments standardisés avec modules et dimensions Modulaires
- Design esthétique
- Nombreux accessoires
- Etudes et projets par FM possible



■ 10.02



■ 10.03



■ 10.04



■ 10.05



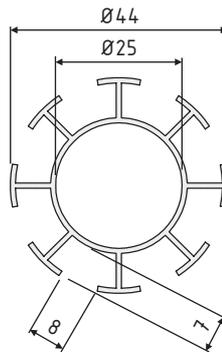
■ 10.06





Stütze Ø44-8N

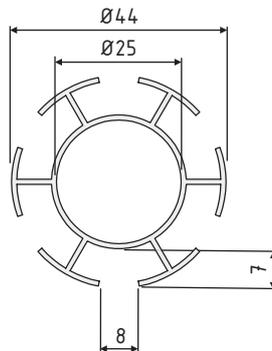
Support Ø44-8N · Profil Ø44-8N



08.20001.00

Stütze Ø44-6N

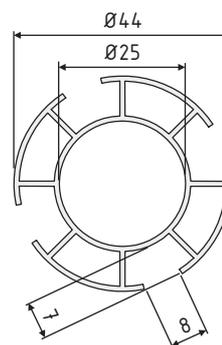
Support Ø44-6N · Profil Ø44-6N



08.20002.00

Stütze Ø44-4N

Support Ø44-4N · Profil Ø44-4N



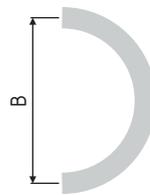
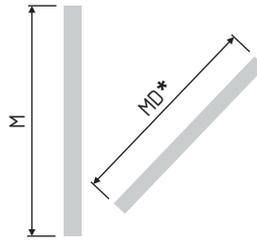
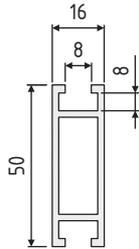
08.20003.00

ZARGEN PANEL TRAVERSE



Zargen 50 mm

50 mm panel connectors · Traverse 50 mm



M

1/4

08.20060.00

1/2

08.20061.00

3/4

08.20062.00

1/1

08.20063.00

*1/2 MD

08.20065.00

*1/1 MD

08.20064.00

B

1/4

08.20070.00

1/2

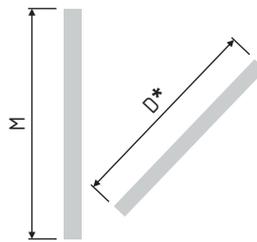
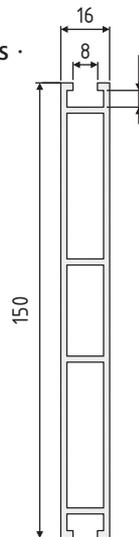
08.20071.00

1/2 BD

08.20072.00

Zargen 150 mm

150 mm panel connectors · Traverses 150 mm



M

1/4

08.20050.00

1/2

08.20051.00

3/4

08.20052.00

1/1

08.20053.00

*1/2 D

08.20055.00

*1/1 D

08.20054.00

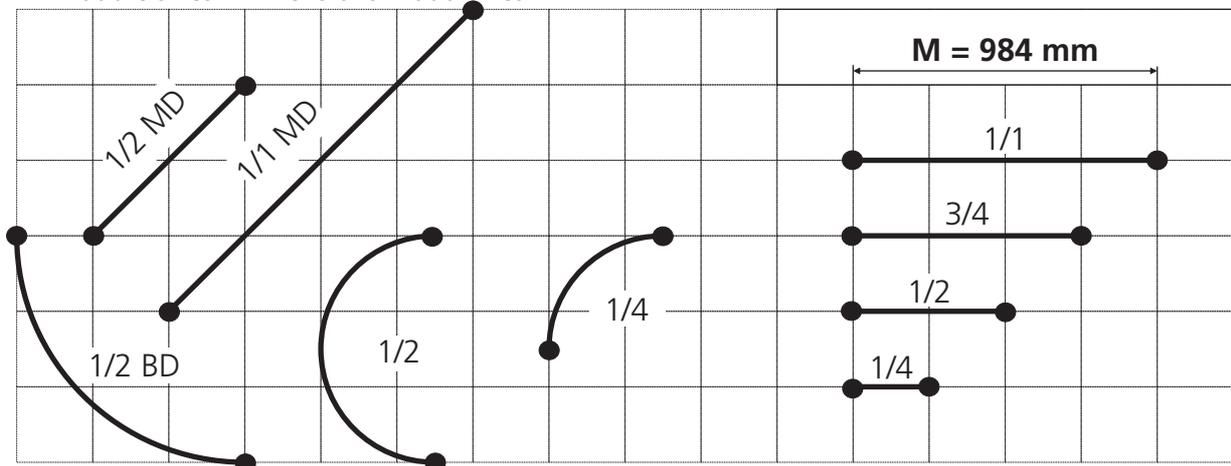
Weitere Maße auf Anfrage

Other sizes on request

Autres dimensions sur demande

Modulmaße

Module sizes · Dimensions modulaires



Technische Änderungen vorbehalten



MODULMAßE FLÄCHENELEMENTE

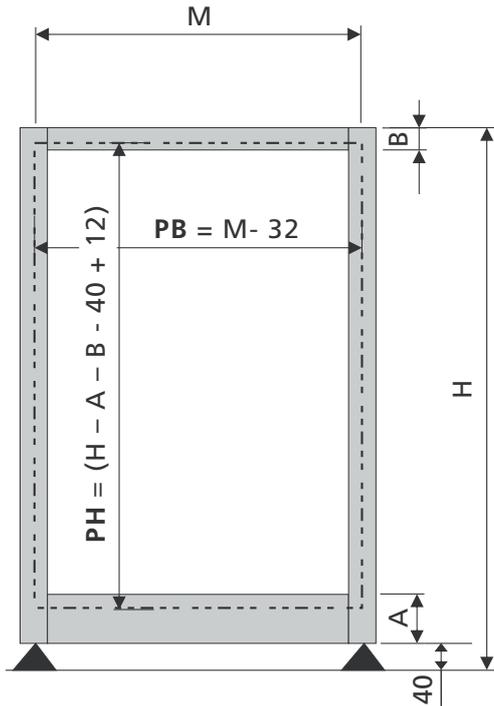
PANEL ELEMENTS MODULE SIZES

DIMENSIONS DES PANNEAUX DE REMPLISSAGE



Flächenelemente in der Nut

Panel elements in the groove · Panneaux de remplissage dans la rainure



Platten 6-8 mm stark
Berechnung von Plattenmaßen:
Genauigkeit +/- 2 mm

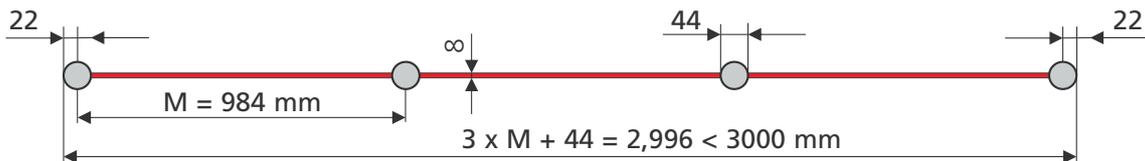
Bögen und Diagonalen auf Anfrage

Panels 6-8 mm thick
Calculation of panel sizes:
Precision +/- 2 mm

Please call for bends and diagonals

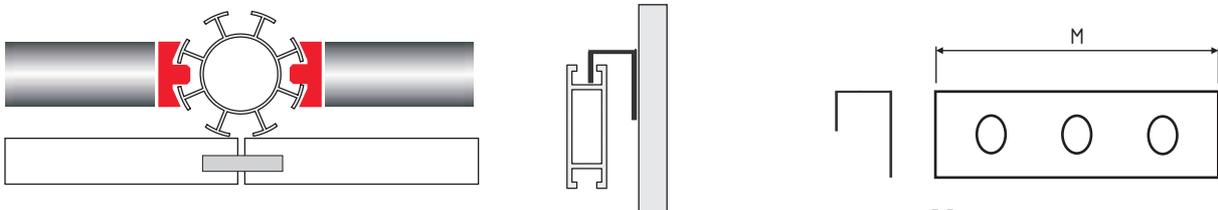
Panneaux épaisseur 6-8 mm
Calcul des dimensions de panneau
Précision +/- 2mm

Veuillez indiquer pour les courbes et diagonales



Flächenelemente profilbündig

Panel elements flush with profile · Panneaux de remplissage affleurant le profilé



Profile werden verdeckt hinter den Flächenelementen

Profiles hidden behind panel elements

Les profilés sont cachés par les panneaux de remplissage

M	
1/4	08.20135.00
1/2	08.20134.00
3/4	08.20133.00
1/1	08.20132.00

Werkzeuge

Tools · Outils



A



B

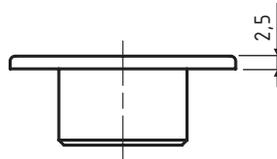


C

- A** 08.20041.00
- B** 08.20042.00
- C** 08.20043.00

Abdeckkappen

Covering caps · Caches



schwarz / black / noire

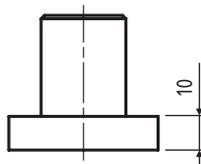
08.20004.00

lichtgrau / lightgrey / gris clair

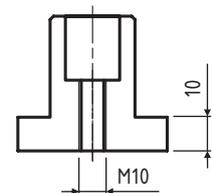
08.20005.00

Bodenkappe

Base cap · Cache au sol



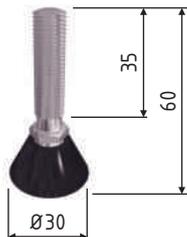
ohne 08.20006.00



M10 08.20007.00

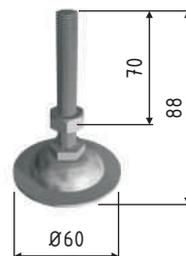
GewindefüÙe

Threaded feet · Pieds réglables



Kunststoff
Plastic
Plastique

M10 08.20008.00

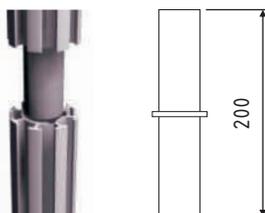


Stahl
Steel
Acier

M10 08.20009.00

Stützenverlängerung

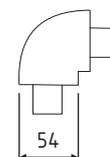
Support extension · Rallonge de montant



08.20010.00

Stützenverbindung 90°

Support connection 90° · Raccords de montant 90° arrondis



08.20011.00



Dekoprofile

Deco-profiles · Profilés déco



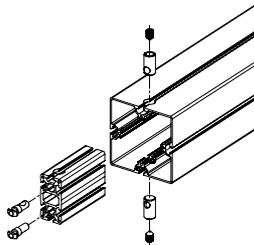
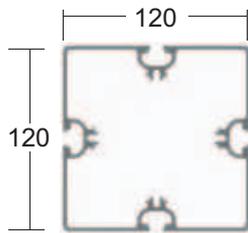
Dekoprofile auf Anfrage

Deco-profiles on request

Profilés déco sur demande

Megaprofil 120x120

Mega-profile 120x120 ·
Mégaprofil 120x120



Merkmale:

- Große Portalbauten
- Ideal für Banner und große Werbeflächen
- Kombination mit Ausstellungssystem
- Verbindung der Profile mit Kupplungen
- Kombination mit FM-Profilsystem möglich

Features:

- Large portal structures
- Ideal for banners and large advertising spaces
- Combination with exhibition system
- Profiles connected by couplings
- Combination possible with FM profile system

Caractéristiques:

- Grandes structures de portique
- Idéal pour les grandes surfaces publicitaires
- Compatible avec les systèmes de salon
- Assemblage des profilés avec des raccords
- Compatible avec les systèmes de profilés FM

Technische Änderungen vorbehalten



Für mehr Informationen bitte separaten Katalog anfordern

FM-Messestand OPO

Please request separate catalogue for more information

FM Trade Fair OPO

Pour plus d'informations, demandez notre catalogue détaillé

Stand de stalon FM OPO

ECO-ROHR EASY&QUICK

ECO PIPE SYSTEM EASY&QUICK

ECO-MECANO



Das System für ihren **KVP:**
Kontinuierlichen
Verbesserungs
Prozess
und ihre Kanban-Systeme als Lösung
ihrer Logistik-Prozesse

Merkmale:

- Einfache Planung
- Wenige Werkzeuge
- Leichte Montage
- Flexible Erweiterungen
- Wiederverwendbarkeit der Produkte
- Umweltfreundliche Produkte
- Anbindung an das FM-Aluprofil-system

The system for your **CIP:**
Continuous
Improvement
Process
and the Kanban systems as solution
for your logistics processes

Characteristics:

- Easy planning
- Less tools
- Easy assembly
- Flexible extension
- Reusability of the products
- Environmentally friendly products
- Connection to the FM aluminium Profile system

Le système pour
Processus
D'optimisation
Continue
et vos systèmes de gestion des stocks
FIFO (PEPS)

Caractéristiques:

- Etude simplifiée
- Peu d'outils
- Montage aisé
- Modularité
- Réutilisation illimitée
- Respect de l'environnement
- Compatible avec le système de Profilés alu FM



■ 10.10



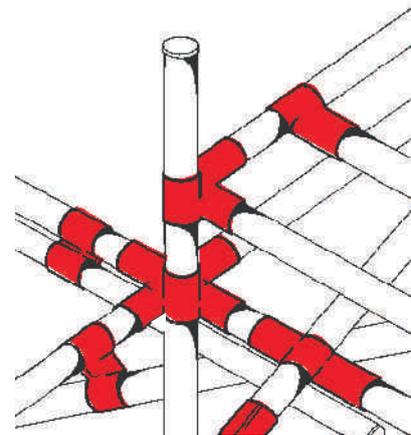
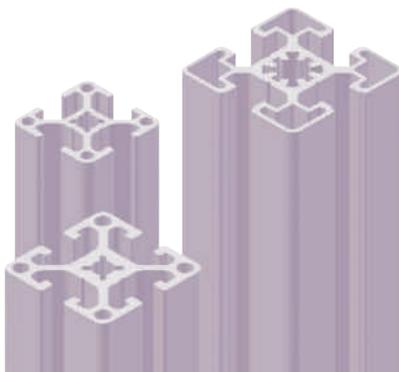
■ 10.11



■ 10.12



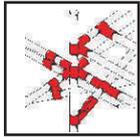
■ 10.13



...Aluminiumprofil trifft auf ECO-Rohr...

...Aluminium profile meets ECO pipe...

...Profilé alu avec tube ECO...



ECO-ROHR SYSTEM

ECO PIPE SYSTEM

ECO MECANO



NICO-ROHR

NICO pipe · Tube NICO



Stahlrohr mit Keramikbeschichtung
 Rohrstärke 0,8 mm
 Rohr Ø 28 mm
 Gewicht ca. 550g / m
 Farbe Silber
 Rohrlänge 4 m

Steel pipe with ceramic coating
 Pipe gauge 0,8 mm
 Pipe Ø 28 mm
 Weight ca. 550g / m
 Colour Silber
 Pipe length 4 m

Tube acier avec revêtement céramique
 Epaisseur de tube 0,8 mm
 Tube Ø 28 mm
 Poids ca. 550g / m
 Couleur Silber
 Longueur de barre 4 m

08.00001.00

KUMA-ROHR

KUMA pipe · Tube KUMA



Stahlrohr mit Kunststoffmantel (ABS)
 Rohrstärke 1,0 mm
 Rohr Ø 28 / 32 mm
 Gewicht ca. 725g / m
 Rohrlänge 4 m

Steel pipe with plastic jacket (ABS)
 Pipe gauge 1,0 mm
 Tube Ø 28 / 32 mm
 Weight ca. 725g / m
 Pipe length 4 m

Tube acier avec revêtement ABS
 Epaisseur de tube 1,0 mm
 Tube Ø 28 / 32 mm
 Poids ca. 725g / m
 Longueur de barre 4 m

Farbe / Colour / Couleur	Ø 28	Ø 32
lichtgrau / lightgrey / gris clair	08.00010.00	08.00020.00
grün / green / verte	08.00011.00	08.00021.00
blau / blue / bleu	08.00012.00	08.00022.00
ESD-schwarz / ESD-black / ESD-noir	08.00013.00	08.00023.00

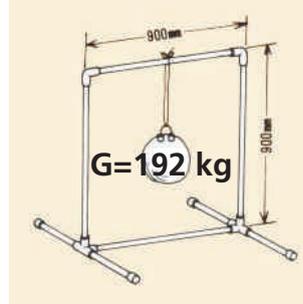
Technische Änderungen vorbehalten

Zulässige Rohrbelastungen

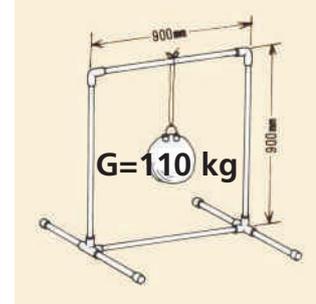
Permitted pipe loads ·
 Charges admissibles des tubes

Ruhende max. zulässige Einzellast
 Resting max. permitted concentrated load
 Charge statique max.

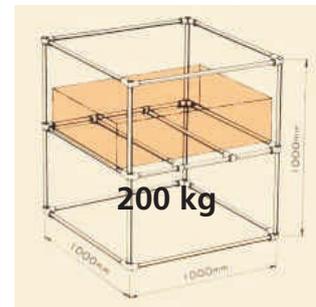
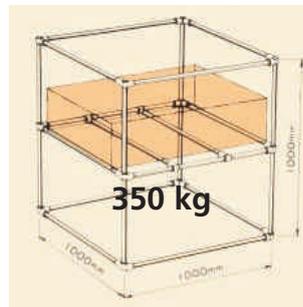
NICO



KUMA

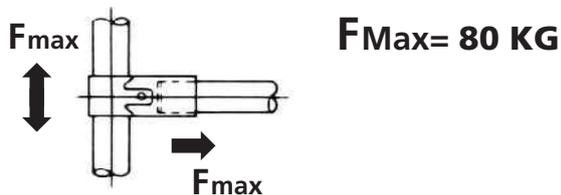


Ruhende max. zulässige Flächenlast
 Resting max. permitted area load
 Charge statique max. au mètre linéaire



Zulässige Verbinderbelastungen

Permitted connector loads ·
 Charges admissibles des fixations



Max. ruhende Last horizontal und vertikal

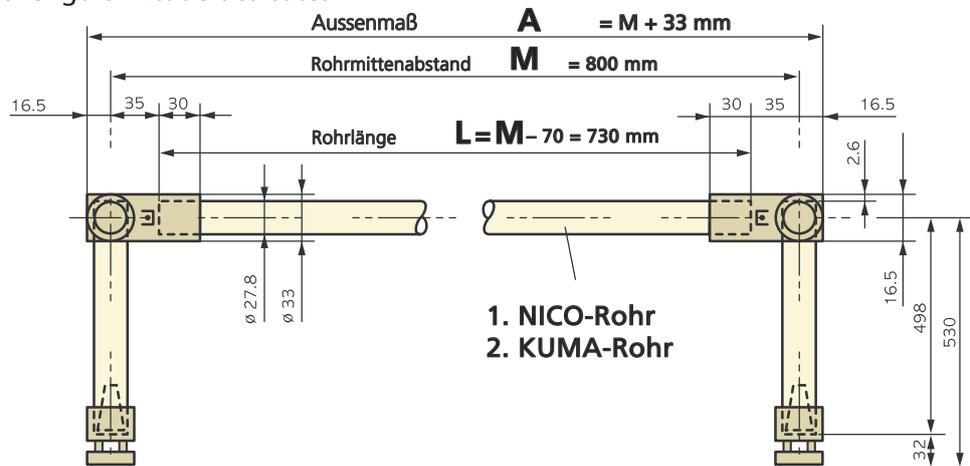
Max. resting load, horizontal and vertical

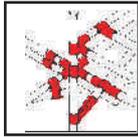
Charge statique max. sur la fixation maximale et Horizontale

Planung der Rohrlängen

Planning of pipe lengths · Etude des cotes

$A = M + 33$
 $L = M - 70$





ECO-ROHR SYSTEM VERBINDER

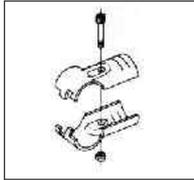
ECO PIPE SYSTEM CONNECTOR

KITS DE FIXATION ECO-MECANO

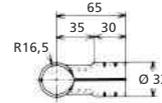


Rohr-T-Verbinder

Pipe T-connector · Fixation droite



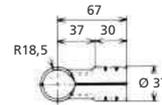
Ø 28 mm



HJ-1

08.00030.xx

Ø 32 mm

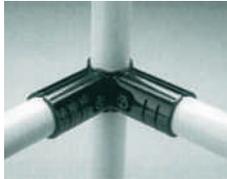
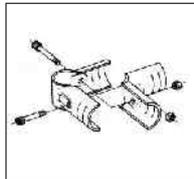


WJ-1

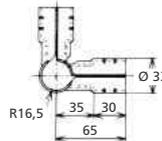
08.00031.xx

Rohr-Eckverbinder

Pipe corner connector · Fixation d'angle



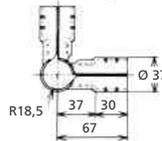
Ø 28 mm



HJ-2

08.00032.xx

Ø 32 mm

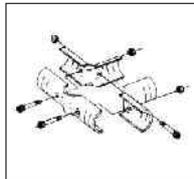


WJ-2

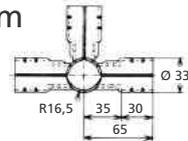
08.00033.xx

Rohr-T-Kreuzverbinder

Pipe T cross-connector · Fixation T



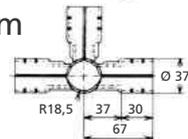
Ø 28 mm



HJ-3

08.00034.xx

Ø 32 mm

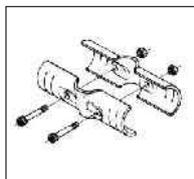


WJ-3

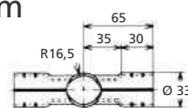
08.00035.xx

Rohr-Kreuzverbinder

Pipe cross connector · Fixation croisée



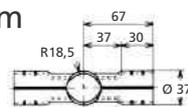
Ø 28 mm



HJ-4

08.00036.xx

Ø 32 mm

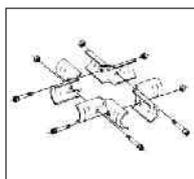


WJ-4

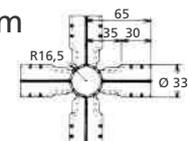
08.00037.xx

Rohr-Sternverbinder

Pipe star connector · Fixation étoile



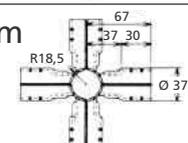
Ø 28 mm



HJ-5

08.00038.xx

Ø 32 mm



WJ-5

08.00039.xx

ECO-ROHR SYSTEM VERBINDER

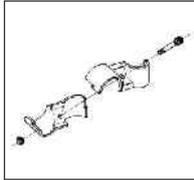
ECO PIPE SYSTEM CONNECTOR

KITS DE FIXATION ECO-MECANO

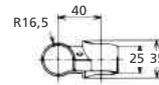


Rohr-Kreuzverbinder HV

Pipe cross connector HV · Fixation croisée HV



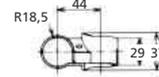
Ø 28 mm



HJ-6

08.00040.xx

Ø 32 mm

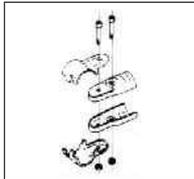


WJ-6

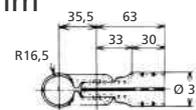
08.00041.xx

Rohr-Gelenkverbinder

Pipe hinged connector · Fixation articulée



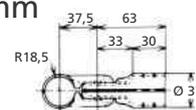
Ø 28 mm



HJ-7

08.00042.xx

Ø 32 mm

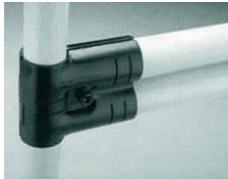
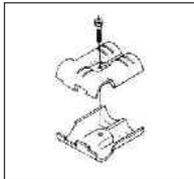


WJ-7

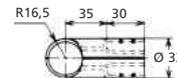
08.00043.00

Rohr-T-Parallelverbinder

Pipe T parallel connector · Fixation T parallèle



Ø 28 mm

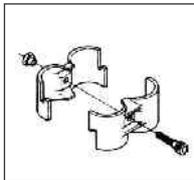


HJ-9

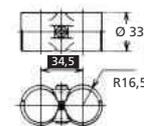
08.00044.xx

Rohr-Parallelverbinder

Pipe parallel connector · Fixation parallèle



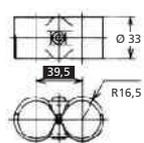
Ø 28 mm



HJ-10

08.00046.xx

Ø 28 mm

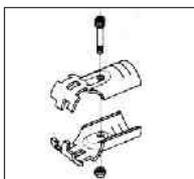


HJ-12

08.00050.00

Rohr-Gleitverbinder

Pipe glide connector · Fixation glisse



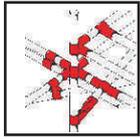
Ø 28 mm

HJ-11

08.00048.xx

10

Technische Änderungen vorbehalten



ECO-ROHR SYSTEM VERBINDER

ECO PIPE SYSTEM CONNECTOR

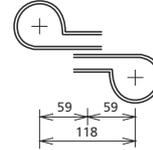
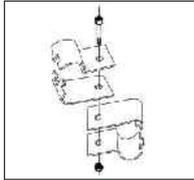
KITS DE FIXATION ECO-MECANO



Rohr-Doppellasje

Pipe double clip · Fixation double bride

Ø 28 mm



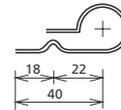
HJ-13

08.00052.xx

Rohr-Lasje

Pipe clip · Bride simple

Ø 28 mm



HJ-14

08.00054.xx

Verbinderausführungen

Connector designs · Versions



Silber vernickelt

Silver nickel-plated

Argenté - nickelé

08.xxxxx.00

Schwarz chromatisiert

Black chromatised

Zingué noir

08.xxxxx.10

Abdeckkappen

Covering caps · Bouchons

Ø 28 mm

schwarz / black / noire

PJ-110

08.00056.00

hell / clear / claire

NJ-110

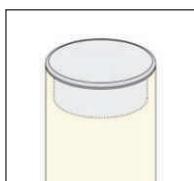
08.00058.00

Ø 32 mm

schwarz / black / noire

BJ-110

08.00057.00



Technische Änderungen vorbehalten

ECO-ROHR SYSTEM ZUBEHÖR

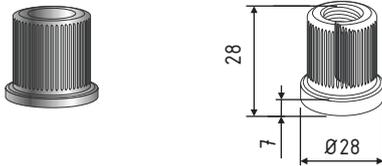
ECO PIPE SYSTEM ACCESSOIRES

ECO MECANO ACCESSOIRES



GEWINDEBUCHSE

Threaded bushing · Manchon



NICO Ø 28 mm

1/2"

08.00176.00

M12

08.00178.00

KUMA Ø 28 mm

1/2"

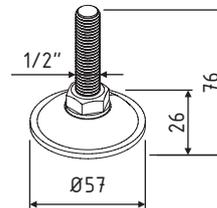
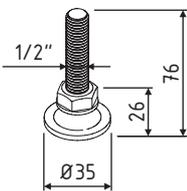
08.00179.00

M12

08.00181.00

GEWINDEFÜßE

Threaded feet · Pieds filetés



Ø35 (1/2")

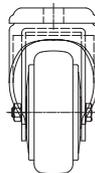
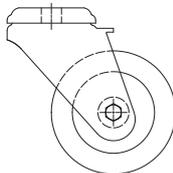
08.00148.00

Ø57 (1/2")

08.00149.00

Rolle Ø80

Roller Ø80 · Roulette Ø80



Ø 80 mm



→ ■ 5.19

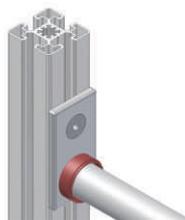
05.01216.00



05.01218.10

Anbindung an FM-Profilsystem

Connection to the FM profile system · Adaptable au système de profilés alu



8E

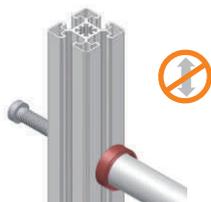
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8

08.00318.00

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08.00319.00

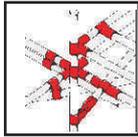


8 10

08.00399.00

10

Technische Änderungen vorbehalten



ECO-ROHR SYSTEM ANWENDUNG
ECO PIPE SYSTEM APPLICATION
APPLICATION ECO-MECANO



Anwendungsbeispiele

Sample applications · Exemples d'applications



Technische Änderungen vorbehalten



Für mehr Informationen
 bitte separaten Katalog
 anfordern

ECO-Rohr Easy&Quick

Please request separate
 catalogue for more
 information

ECO-Rohr Easy&Quick

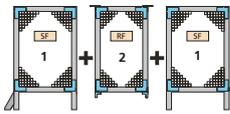
Pour plus d'informations,
 demandez notre catalogue
 détaillé

ECO-Rohr Easy&Quick

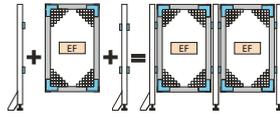
SCHUTZ UND TRENNSYSTEME

PROTECTION AND SEPARATING SYSTEMS

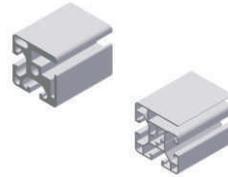
SYSTEMES DE PROTECTION DE ZONE



■ 11.02



■ 11.06



■ 11.05



■ 11.10



■ 11.11



■ 11.12



■ 11.13



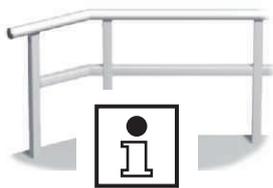
➔ ■ 5.12



➔ ■ 5.13



➔ ■ 8.34



■ 11.19



■ 11.20



■ 11.21



■ 11.22



■ 11.23



■ 11.24



■ 11.25



SCHUTZZAUNSYSTEM RB

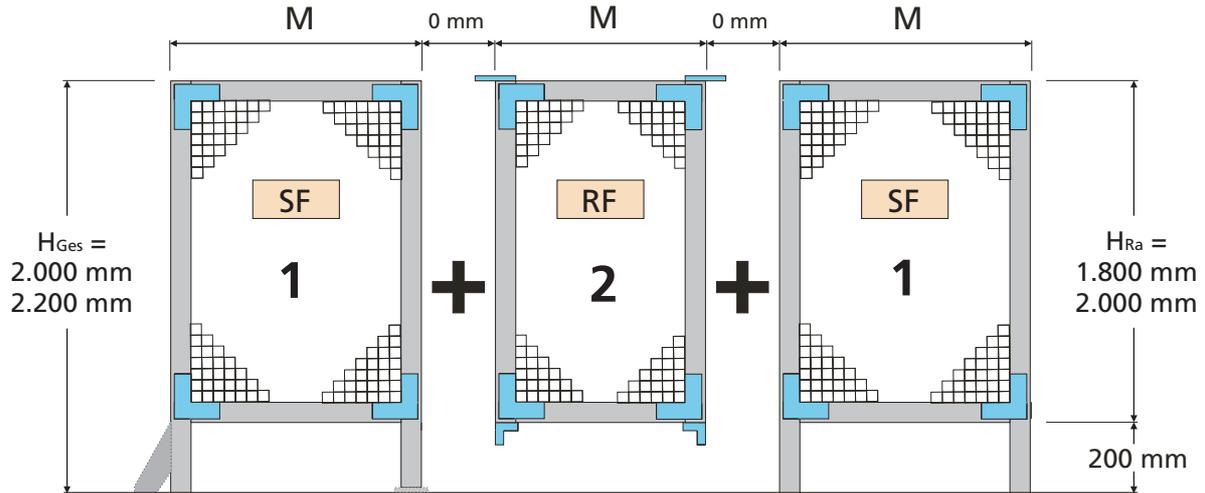
PROTECTION FENCE SYSTEM RB

SYSTEME DE PROTECTION RB



Prinzipskizze

Sketch of principle · Esquisse de principe



● Einfache Montage

Simple building method
Construction plus simple

● Günstigeres System

The beneficial system
Le system plus favorable

● Kein Spaltmaß

No gap
Pas d'écart

Merkmale:

- minimaler konstruktiver Aufwand durch Rasterbreiten
- **Komplett vormontierte** Ständerfelder (SF) und Rahmenfelder (RF)

Größen:

Standardhöhe: H = 2.000 mm
Optional: H = 2.200 mm

Breiten ab Lager:
M = 750 / 1.000 / 1.250 / 1.500 mm

Rasterbreiten:
M = 300 – 2.000 mm im
50 mm Raster

Flächenelement:

Basiselement:
Verzinktes Wellgitter
40 x 40 x 4 mm

Characteristics:

- **Simple** assembly system and Building method
- Stand fields (SF) and suspension fields (RF) are completely Preassembled

Dimensions:

Standard height: H = 2.000 mm
Possibility: H = 2.200 mm

Width from stock:
M = 750 / 1.000 / 1.250 / 1.500 mm

Standard width:
From M = 300 - 2.000 mm with
50 mm of distance

Dimensional element:

Standard element:
Waving lattice 40 x 40 x 4 mm,

Caracteristiques:

- Assemblage et construction **plus simple**
- Les panneaux prinicipaux (SF, RF) sont **prémontés**

Dimensions:

Longueur standar.: H = 2.000 mm
Option: H = 2.200 mm

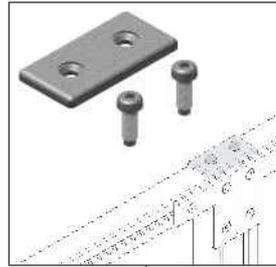
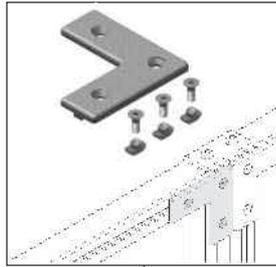
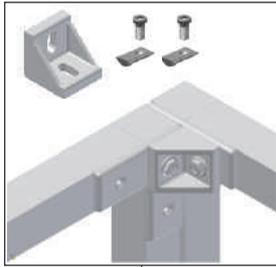
Largeur pris en magasin:
M = 750 / 1.000 / 1.250 / 1.500 mm

Largeur standard:
De M = 300 - 2.000 mm est d'une
Distance 50 mm

Element de surface:

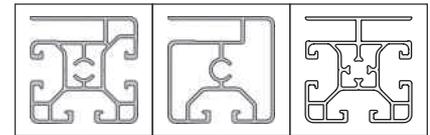
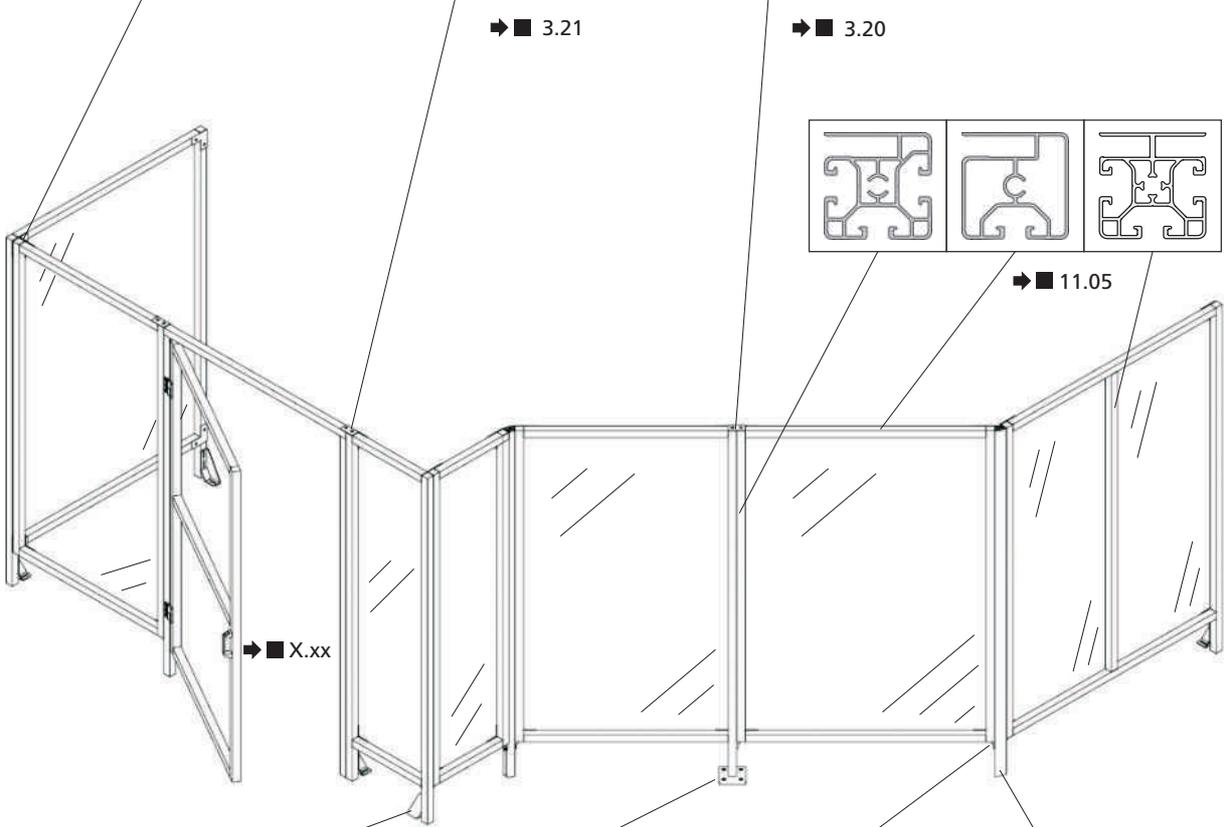
Element standard:
Grille ondulée, zinguée

SCHUTZZAUNSYSTEM RB
PROTECTION FENCE SYSTEM RB
SYSTEME DE PROTECTION RB



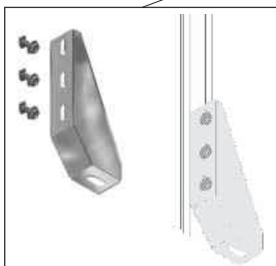
➔ ■ 3.21

➔ ■ 3.20

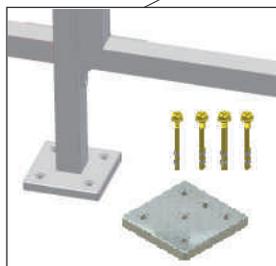


➔ ■ 11.05

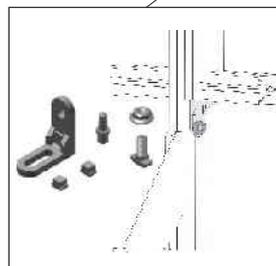
➔ ■ X.xx



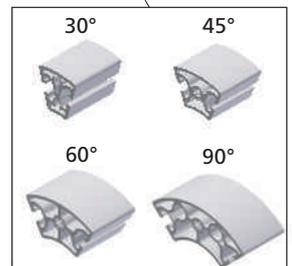
➔ ■ 5.09



➔ ■ 5.12



➔ ■ 11.12





SCHUTZZAUNSYSTEM RB

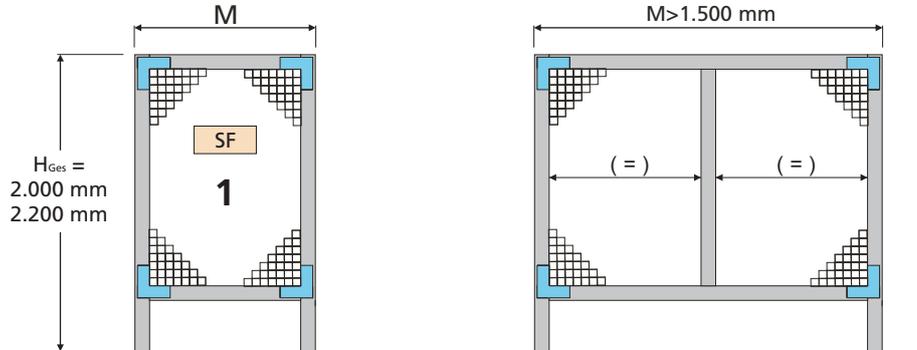
PROTECTION FENCE SYSTEM RB

SYSTEME DE PROTECTION RB



Ständerfelder - SF

Stand fields(SF) · Panneaux(SF)



SF ab Lager · Width from stock · Largeur pris en magasin

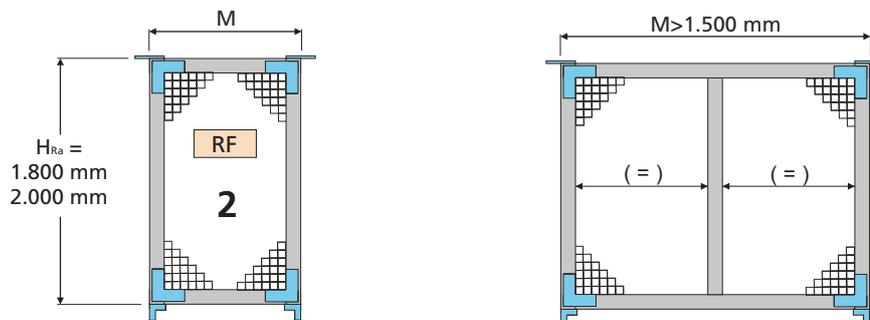
H _{Ges}	M (mm)	Art.Nr.
2.000 mm	750	05.05021.12
	1.000	05.05021.17
	1.250	05.05021.22
	1.500	05.05021.27
2.200 mm	750	05.05221.12
	1.000	05.05221.17
	1.250	05.05221.22
	1.500	05.05221.27

Rasterbreiten(50 mm) · Modular width · Largeur modular

H _{Ges}	M	Art.Nr.
2.000 mm	xy	05.05021.xy
2.200 mm	xy	05.05221.xy
xy = M : 50 - 3		
Bsp: M = 800 mm → xy = 800:50-3 = 11		
300 mm <= M <= 2000 mm		

Rahmenfelder - RF

Suspensions fields(RF) · Panneaux(RF)



RF ab Lager · Width from stock · Largeur pris en magasin

H _{Ges}	M (mm)	Art.Nr.
2.000 mm	750	05.05022.12
	1.000	05.05022.17
	1.250	05.05022.22
	1.500	05.05022.27
2.200 mm	750	05.05222.12
	1.000	05.05222.17
	1.250	05.05222.22
	1.500	05.05222.27

Rasterbreiten(50 mm) · Modular width · Largeur modular

H _{Ges}	M	Art.Nr.
2.000 mm	xy	05.05022.xy
2.200 mm	xy	05.05222.xy
xy = M : 50 - 3		
Bsp: M = 800 mm → xy = 800:50-3 = 11		
300 mm <= M <= 2000 mm		

Technische Änderungen vorbehalten

SCHUTZZAUNPROFILE

PROTECTION FENCE PROFILES

PROFILES DE PROTECTION DE ZONE



Innovative Vorteile:

- Einfache Montage ohne Profilbearbeitung
- Stabile Aufnahme der Wellgitter 40 x 40 x 4 ohne zusätzliche Klemmelemente
- Steigerung der Stabilität durch FM-Schutzzaunwinkel mit Zentrierfahnen

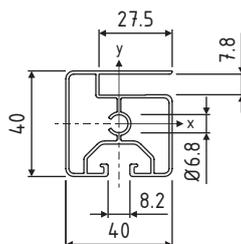
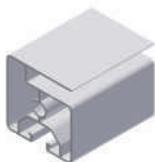
Innovative advantages:

- Easy assembly without profile Processing
- Sturdy fastening of corrugated grating 40 x 40x 4 without additional clamping elements
- Additional stability through our protective fence angle brackets with centring lugs

Atouts novateurs:

- Montage aisé sans usinages
- Maintien du grillage ondulé 40x40x4 optimisé par la profondeur de la rainure
- Stabilité encore accrue par plaques de renfort FM

40x40 - ECO

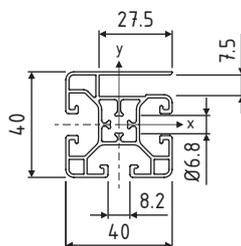
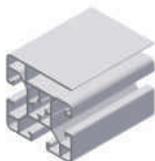


05.02022.00

M = 0,80 kg/m
 $I_x = 5,55 \text{ cm}^4$
 $W_x = 2,78 \text{ cm}^3$
 $I_y = 4,97 \text{ cm}^4$
 $W_y = 2,49 \text{ cm}^3$

PE (m)
 6 / 48 / 96 / 144

40x40

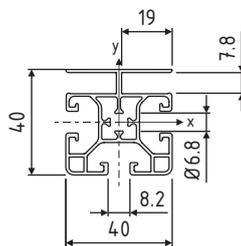
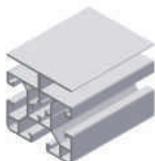


05.02024.00

M = 1,01 kg/m
 $I_x = 6,17 \text{ cm}^4$
 $W_x = 3,09 \text{ cm}^3$
 $I_y = 5,88 \text{ cm}^4$
 $W_y = 2,94 \text{ cm}^3$

PE (m)
 6 / 48 / 96 / 144

40x40 - 180°



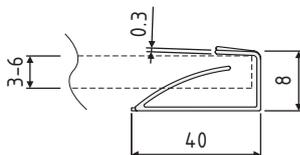
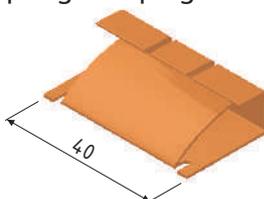
05.02023.00

M = 0,99 kg/m
 $I_x = 6,04 \text{ cm}^4$
 $W_x = 3,02 \text{ cm}^3$
 $I_y = 5,41 \text{ cm}^4$
 $W_y = 2,70 \text{ cm}^3$

PE (m)
 6 / 48 / 96 / 144

Federklemmelement

Spring clamping element · Agrafe à ressort



05.02031.00

Federstahl
 Spring steel
 Acier ressort



SCHUTZZAUNSYSTEM CLASSIC

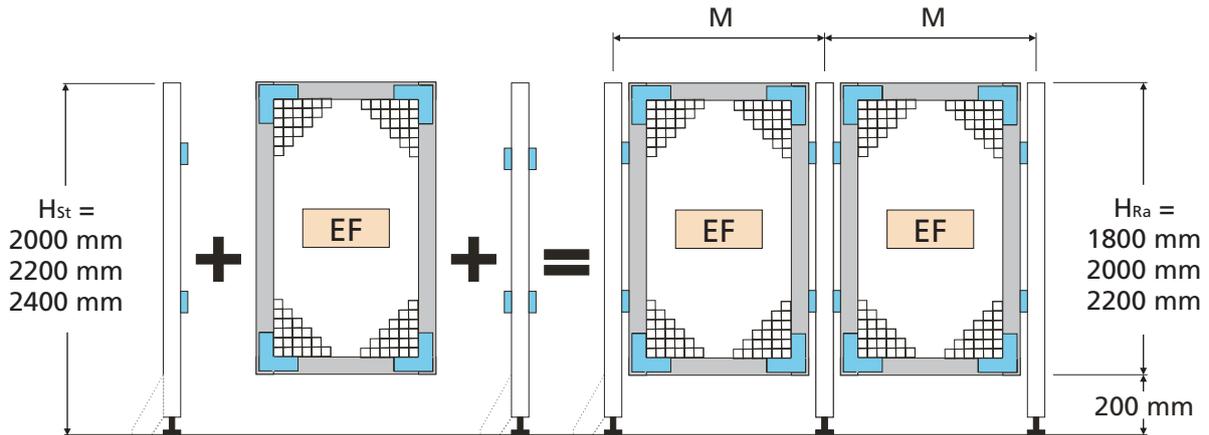
PROTECTION FENCE SYSTEM CLASSIC

SYSTEME DE PROTECTION CLASSIC



Prinzipskizze

Sketch of principle · Esquisse de principe



- **Universelle Anordnung**
Universal arrangement
Disposition universelle

- **Vielseitig und variabel**
Multifunctional and variable
Multitâche and variable

- **Automobil-sicherheit**
Automobile security
Sécurité automobile

Merkmale:

- Durch **spezielle Einhängung** schneller Zugang zum geschützten Objekt
- Umfangreiches **Zubehörangebot**
- Auch mit **umlaufender Strebe** oben lieferbar

Größen:

Standardhöhe: H = 2.000 mm
Optional: H = 2.200 mm
H = 2.400 mm

Breiten ab Lager:
M = 750 / 1.000 / 1.250 / 1.500 mm

Standardbreiten:
M = 300 – 2.000 mm im
50 mm Raster

Flächenelement:

Basiselement:
Verzinktes Wellgitter
40 x 40 x 4 mm

Characteristics:

- **Special suspension** for faster access to protected object
- Suitable for **protecting automobiles**
- Also available with **surrounding struts**

Dimensions:

Standard height: H = 2.000 mm
Possibility: H = 2.200 mm
H = 2.400 mm

Width from stock:
M = 750 / 1.000 / 1.250 / 1.500 mm

Standard width:
From M = 300 - 2.000 mm with
50 mm of distance

Dimensional element:

Standard element
Waving lattice 40 x 40 x 4 mm,
galvanized

Caracteristiques:

- **Module facilement démontable**, accessibilité aisée
- Préconisé dans l'automobile
- Egalement disponible avec **barre horizontale supérieure**

Dimensions:

Longueur standar.: H = 2.000 mm
Option: H = 2.200 mm
H = 2.400 mm

Largeur pris en magasin:
M = 750 / 1.000 / 1.250 / 1.500 mm

Largeur standard:
De M = 300 - 2.000 mm est d'une
distance 50 mm

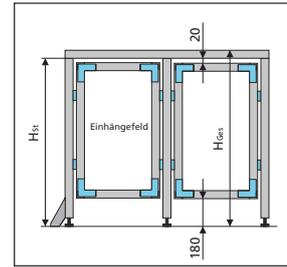
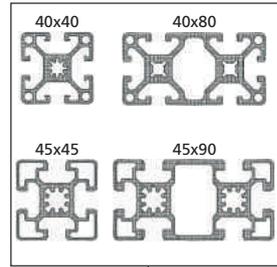
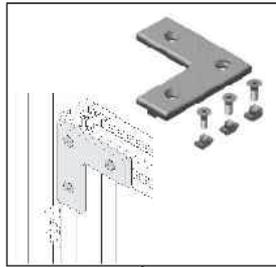
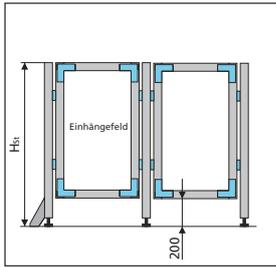
Element de surface:

Element standard
Grille ondulée, zinguée
40 x 40 x 4 mm

SCHUTZZAUNSYSTEM CLASSIC

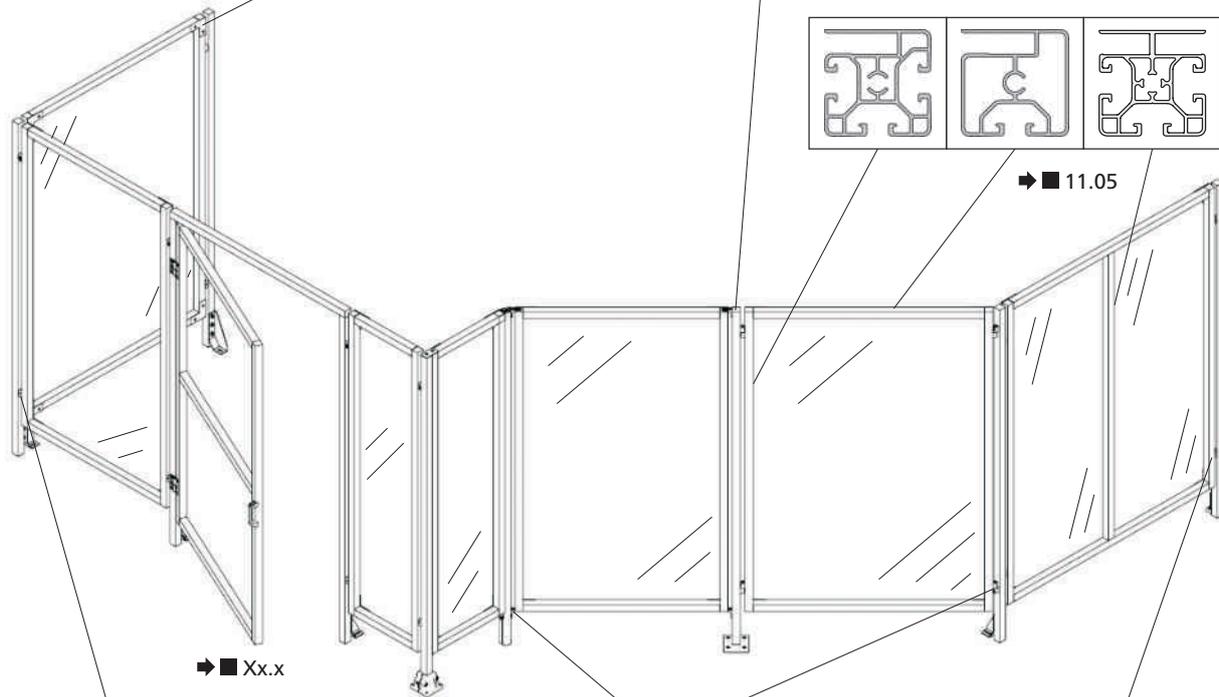
PROTECTION FENCE SYSTEM CLASSIC

SYSTEME DE PROTECTION CLASSIC

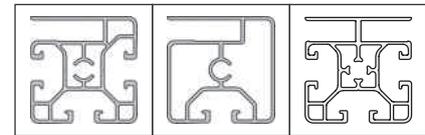


➔ ■ 3.21

➔ ■ 2.01

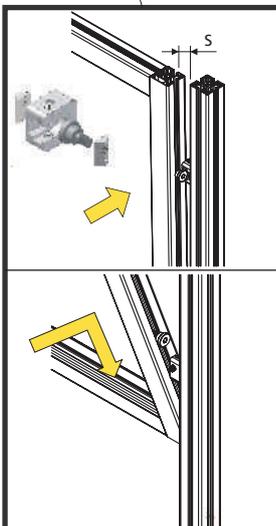


➔ ■ Xx.x

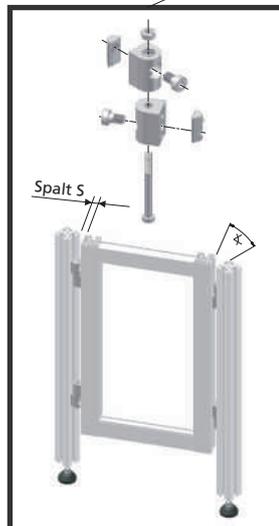


➔ ■ 11.05

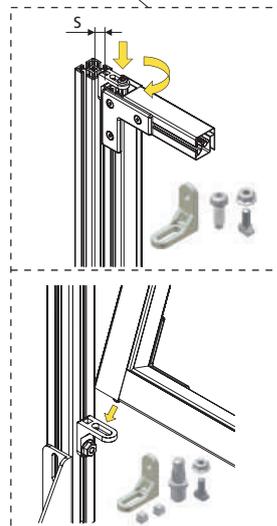
➔ ■ 11.10 S=20-22,5 mm



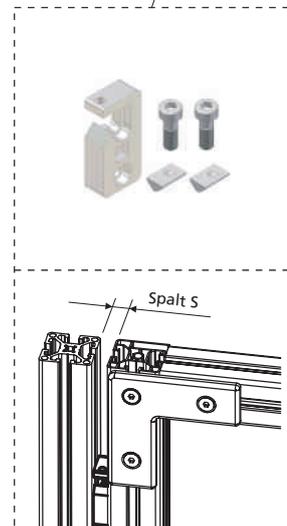
➔ ■ 11.11 S=22,5 mm



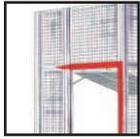
➔ ■ 11.12 S=20-22,5 mm



S=12,5-15 mm



Technische Änderungen vorbehalten



SCHUTZZAUNSYSTEM CLASSIC

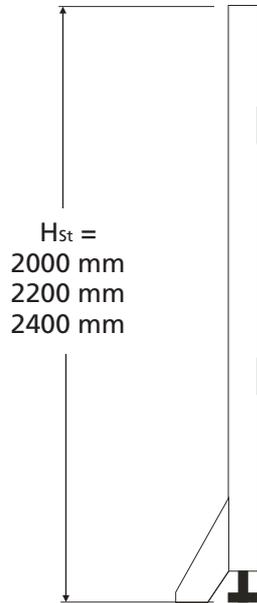
PROTECTION FENCE SYSTEM CLASSIC

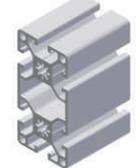
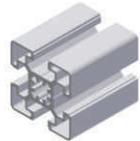
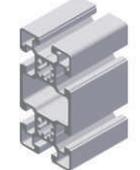
SYSTEME DE PROTECTION CLASSIC



System-Stützen

Pillar · Piliers



- 1**  **40 x 40 L - 1,55 kg/m**
05.01035.00
 - 5**  **40 x 80 L - 2,63 kg/m**
05.01036.00
 - 3**  **45 x 45 L - 1,70 kg/m**
05.01041.00
 - 7**  **45 x 90 L - 2,90 kg/m**
05.01518.00
- ➔ ■ 2.01

Typ 1

➔ ■ 5.08



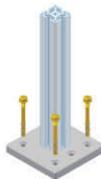
Typ 2

➔ ■ 5.10



Typ 3

➔ ■ 5.12



Typ 5



Bestellnummer · Order number · Numéro article

05.05□ 51.□ □

Fußausführung · Pedestal version · Montage au sol

- 1 = Typ1
- 2 = Typ 2
- 3 = Typ 3
- 5 = Typ 5

Stützenprofil · Pillar profile · Profile pilier

- 1 = 40 x 40 L
- 5 = 40 x 80 L
- 3 = 45 x 45 L
- 7 = 45 x 90 L

Stützenhöhe · Profile height · Profile longueur

- 0 = 2.000 mm
- 2 = 2.200 mm
- 4 = 2.400 mm

Bestellbeispiel: 05.05251.33

Stützenhöhe 2.200mm, Stützenprofil = 45x45 L, Fußausführung = Typ 3

Technische Änderungen vorbehalten

SCHUTZZAUNSYSTEM CLASSIC

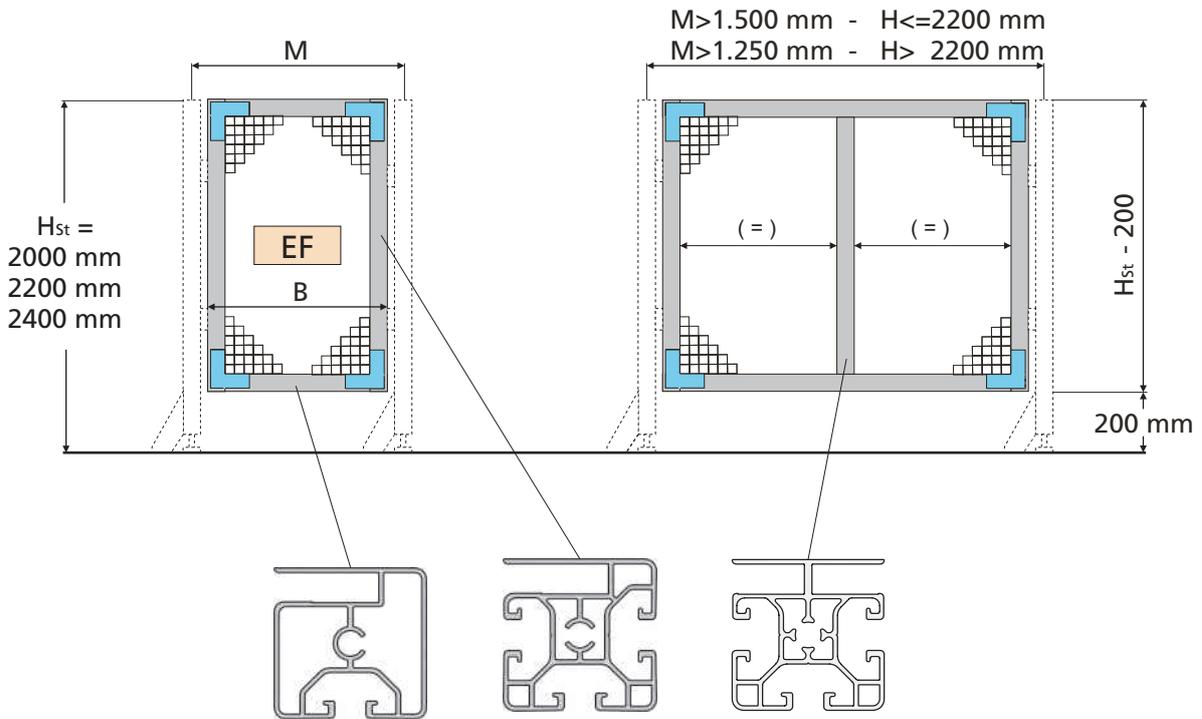
PROTECTION FENCE SYSTEM CLASSIC

SYSTEME DE PROTECTION CLASSIC



Einhängefelder

Suspensions fields(EF) · Modules suspendus(EF)



➔ ■ 11.05

EF ab Lager · Width from stock · Largeur pris en magasin

H _{Ges}	M (mm)	Art.Nr.
2.000 mm	750	05.05052.12
	1.000	05.05052.17
	1.250	05.05052.22
	1.500	05.05052.27
2.200 mm	750	05.05252.12
	1.000	05.05252.17
	1.250	05.05252.22
	1.500	05.05252.27
2.400 mm	750	05.05452.12
	1.000	05.05452.17
	1.250	05.05452.22
	1.500	05.05452.27

Rasterbreiten(50 mm) · Modular width · Largeur modular

H _{Ges}	M	Art.Nr.
2.000 mm	xy	05.05052.xy
2.200 mm	xy	05.05252.xy
2.400 mm	xy	05.05452.xy
xy = M : 50 - 3		
Bsp: M = 800 mm → xy = 800:50-3 = 11		
300 mm <= M <= 2000 mm		



SCHUTZZAUNSYSTEM CLASSIC

PROTECTION FENCE SYSTEM CLASSIC

SYSTEME DE PROTECTION CLASSIC



Classic - Einhängung

Suspension element · Élément de suspension

Merkmale:

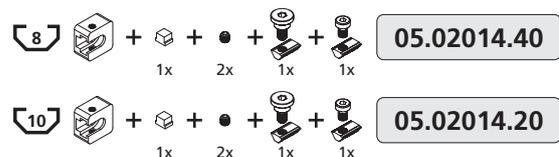
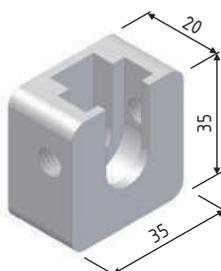
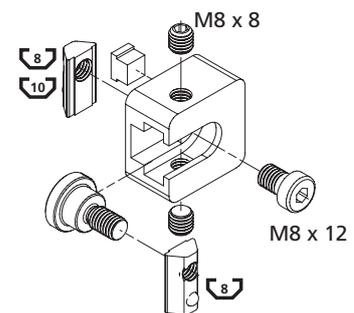
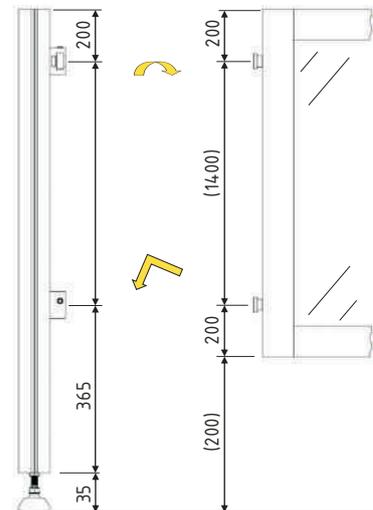
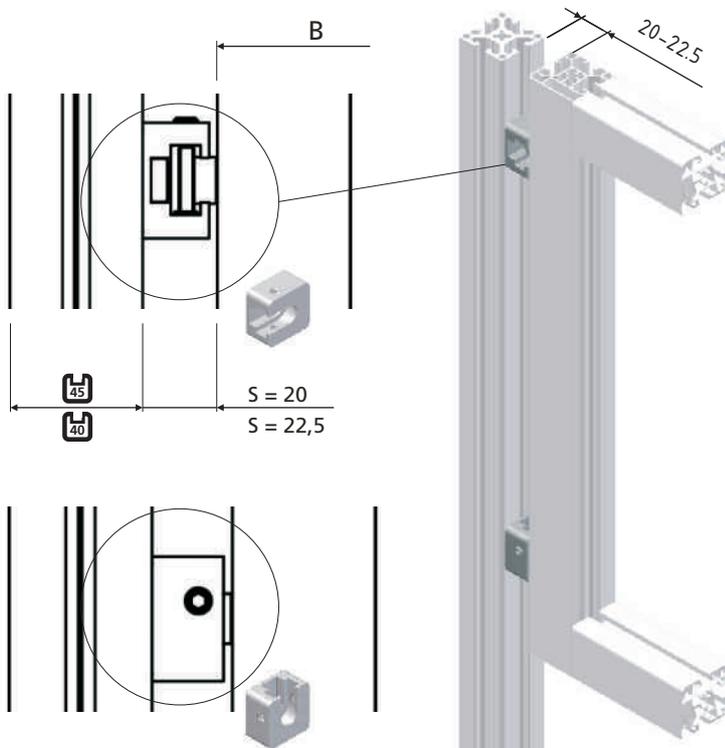
- Durch spezielle Einhängung schneller Zugang zum geschützten Objekt
- Entspricht den Normen zur Automobilindustrie
- Einfache und schneller Aufbau
- Ein - Mann Montage
- Spaltmaß S = 22,5 (20) mm

Characteristics:

- Special suspension for faster access to protected object
- Suitable for protecting Automobiles
- One man assembly
- Clearance S = 22,5 (20) mm

Caracteristiques:

- Module facilement démontable, accessibilité aisée
- Préconisé dans l'automobile
- Juste 1 personne nécessaire pour le système d'accrochage
- Fente S = 22,5 (20) mm



4 x pro Feld · 4 x for a field · 4 x par un module

Technische Änderungen vorbehalten

SCHUTZZAUNSYSTEM CLASSIC

PROTECTION FENCE SYSTEM CLASSIC

SYSTEME DE PROTECTION CLASSIC



Winkeleinhängung

Angle suspension element · Élément de suspension articulé

Merkmale:

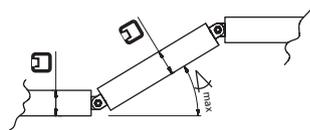
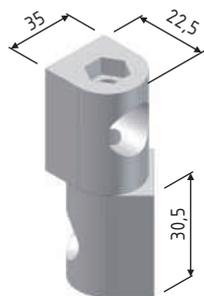
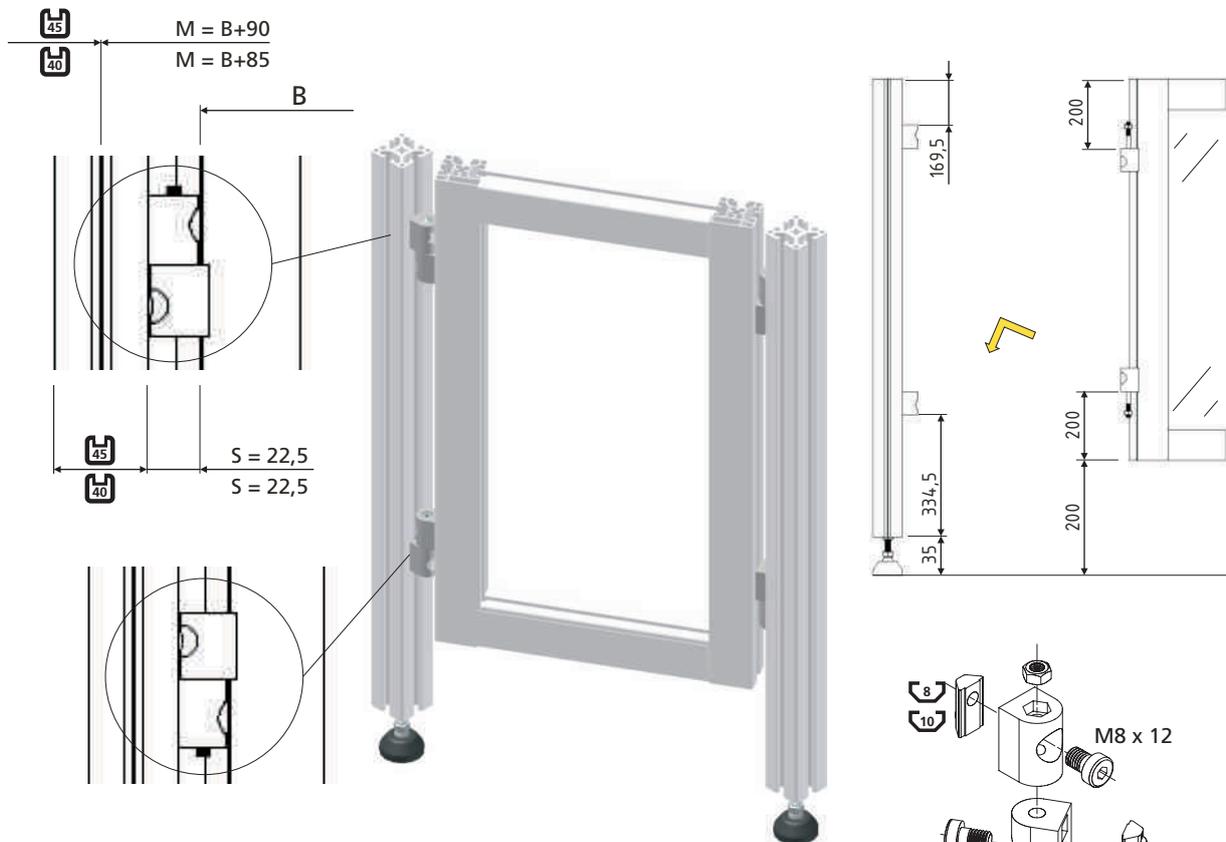
- Stützen können bis zu 60°(55°) axial verdreht und somit in ein **nicht rechtwinklig Anordnung** gebracht werden
- Sehr **stabile** Einhängung
- Spaltmaß S = 22,5 mm

Characteristics:

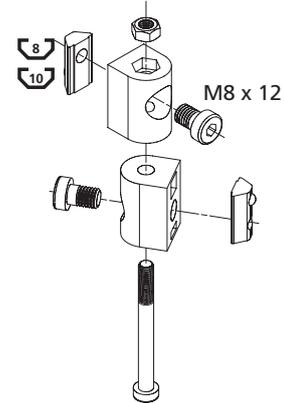
- Pillars can be axial contorted in an angle of 60°(55°)
- very solide suspension
- Clearance S = 22,5 mm

Caracteristiques:

- Piliers peut braque axial à un angle de 60°(55°)
- Le système d'accrochage très stable
- Fente S = 22,5 mm



	40	45
Δ_{max}	60°	55°



- + 2x **05.02087.20**

- + 2x **05.02087.40**

4 x pro Feld · 4 x for a field · 4 x par un module

SCHUTZZAUNSYSTEM RIEGEL

PROTECTIVE FENCE SYSTEM INTERLOCK

FERMETURE DE PROTECTION DE ZONE PAR VERROU



Merkmale:

- Geeignet für Euchner Sicherheits-schalter der Serie TZ und NZ
- Für rechts und links anschlagende Türen und Fenster
- Anbau an Nut 8 und Nut 10
- Für Schwenk- und Schiebetüren geeignet

Characteristics:

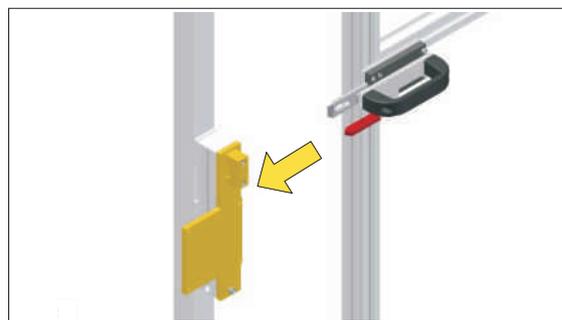
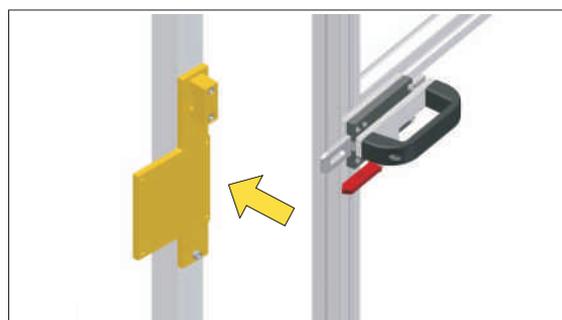
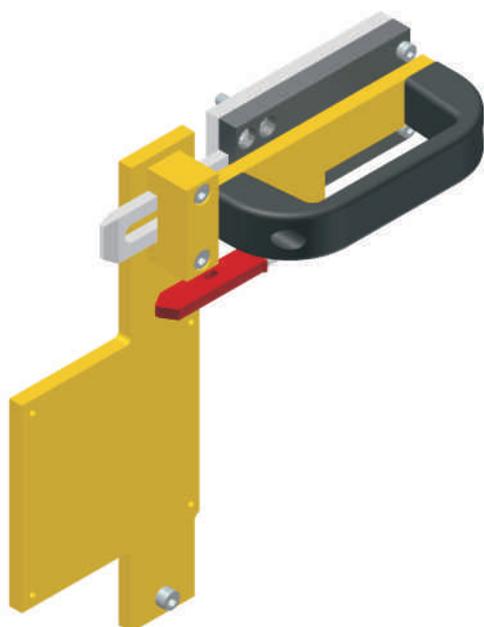
- Suitable for Euchner safety switches of the TZ and NZ series
- For right and left closing doors
- Mounting on groove 8 and groove 10
- Suitable for swivel and sliding doors

Caractéristiques:

- Compatible avec contacteurs de sécurité Euchner TZ, NZ et similaires
- Pour portes battantes et coulissantes gauche et droite
- Pour rainures 8 et 10
- Pour la porte battante et coulissante Convenable

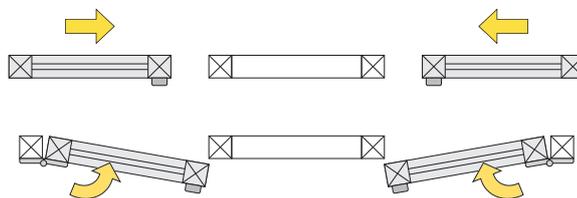
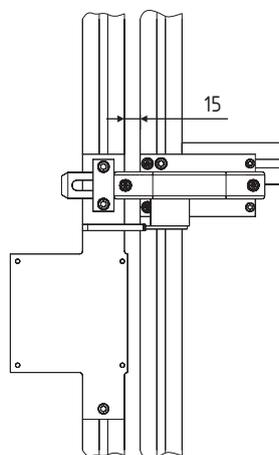
Anwendung

Application · Application



Ausführung

Design · Schémas



Anschlag links
Closing left
Version gauche

05.02039.10

Anschlag rechts
Closing right
Version droite

05.02039.00

11

Technische Änderungen vorbehalten



SCHUTZZAUNSYSTEM
 PROTECTIVE FENCE SYSTEM
 SYSTEME DE PROTECTION DE ZONE



Anwendungsbeispiele

Sample applications · Exemples d'application



Für mehr Informationen
 bitte separaten Katalog
 anfordern

Schutzzaunkatalog

Please request separate
 catalogue for more
 information

Protective Fence catalogue

Pour plus d'informations,
 demandez notre catalogue
 détaillé

**Système de protection de
 zone catalogue**

Technische Änderungen vorbehalten

SCHALLSCHUTZ SOUND INSULATION INSONORISATION



Laute Lärmquellen müssen mit geeigneten Schalldämmverkleidungen umbaut werden, um die Personenschutzvorschriften zu erfüllen.

FM SYSTEME bietet mit der modularen Dämmplatte in Verbindung mit dem Clips-Einfassprofil sowie dem Aluprofilsystem Baureihe 45 ein kostengünstiges Gesamtsystem.

Innovative Vorteile:

- Erleichterte Planung durch Standardelemente
- Schneller und effizienter Aufbau der Schallschutzkabinen
- Schall-Absorption und Schalldämmung in einem Element
- Einbau von Schallschutz-Fenstern möglich
- Planung und Ausführung durch FM-Systeme möglich

Loud sources of noise must be surrounded with suitable sound insulation panels in order to fulfil staff protection regulations.

FM SYSTEME offers an economic overall system with the modular sound insulation panels in combination with the clip fastening system, as well as the 45 Series aluminium profile system.

Innovative advantages:

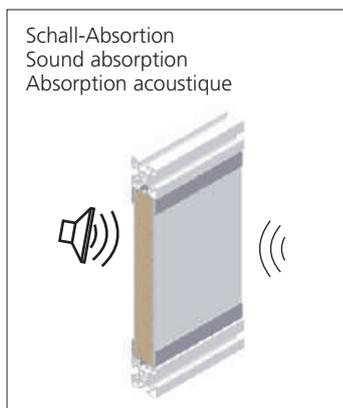
- Easy planning with standard elements
- Faster and more efficient erection of the sound insulation cabins
- Sound absorption and sound insulation in one element
- Installation of sound insulation windows possible
- Planning and installation by FM SYSTEME possible.

Le respect des prescriptions sur la protection des personnes implique la mise en place d'isolations acoustiques adaptées en cas de nuisances sonores

FM SYSTEME propose un système complet comprenant des panneaux isolants modulaires adaptés au profilé d'encadrement clipsé pour la série rainure 10.

Atouts novateurs:

- Conception facilitée par la mise en oeuvre d'éléments standard
- Réalisation rapide et efficace des cabines d'insonorisation
- Absorption acoustique et insonorisation optimisées
- Montage possible d'écrans antibruit
- Fabrication sur mesure



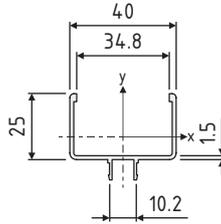
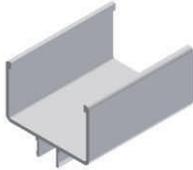


SCHALLSCHUTZ
SOUND INSULATION
INSONORISATION



Clip-Einfassprofil

Clip fastening profile · Profil d'encadrement

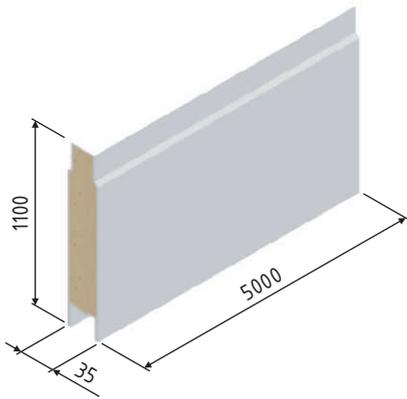


05.02250.00

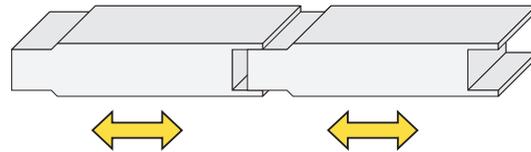
M = 0,41 kg/m

Schalldämmplatte

Insulating panel · Panneau isolant

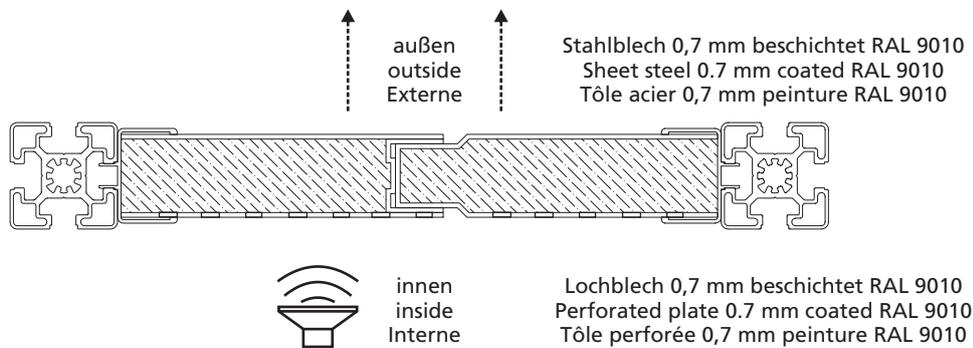


05.02251.00



Querschnitt

Cross-section · Section



Technische Änderungen vorbehalten

RUNDPROFILSYSTEM Ø48

ROUND PROFILE SYSTEM Ø48

PROFILES ROUNDS Ø48



- Formschönes Design
- Im Außen- u. Innenbereich einsetzbar
- Aufnahme von verschiedenen Flächen-
elementen
- Als Handlauf und als Maschinen-
abtrennung
- Für Geländer an Treppen, Podesten,
Balkone

- Elegant design
- Suitable for use indoors and
outdoors
- For securing a variety of panel
elements
- As handrail and as machine
Separation
- For railings on stairways and ramps,
balconies

- Design
- Application intérieure ou extérieure
- Panneaux de remplissage de tous
types
- Main-courante d'escalier
- Garde-corps d'estrade et de balcon,
Séparateur d'espaces



■ 11.20



■ 11.21



■ 11.22



■ 11.24



■ 11.23



■ 11.25



Technische Änderungen vorbehalten

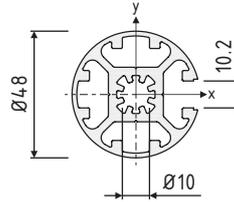


RUNDPROFILE Ø48
ROUND PROFILES Ø48
PROFILES ROUNDS



10

Ø48-3N

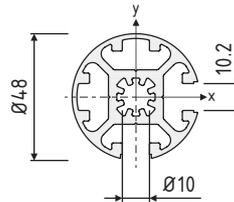


05.02090.00

M = 2,03 kg/m
 $I_x = 11,71 \text{ cm}^4$
 $W_x = 4,88 \text{ cm}^3$
 $I_y = 12,82 \text{ cm}^4$
 $W_y = 5,34 \text{ cm}^3$

PE (m)
 6 / 48 / 96 / 144

Ø48-2N90°

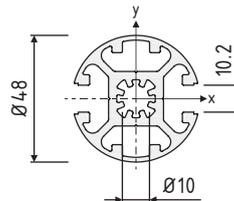


05.02091.00

M = 1,97 kg/m
 $I_x = 10,65 \text{ cm}^4$
 $W_x = 4,43 \text{ cm}^3$
 $I_y = 12,79 \text{ cm}^4$
 $W_y = 5,32 \text{ cm}^3$

PE (m)
 3

Ø48-2N180°

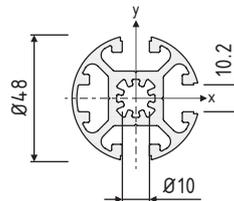


05.02092.00

M = 1,97 kg/m
 $I_x = 10,65 \text{ cm}^4$
 $W_x = 4,43 \text{ cm}^3$
 $I_y = 12,79 \text{ cm}^4$
 $W_y = 5,32 \text{ cm}^3$

PE (m)
 3

Ø48-1N

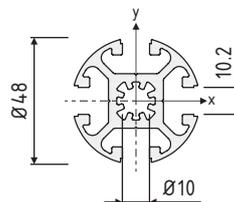


05.02093.00

M = 1,92 kg/m
 $I_x = 11,66 \text{ cm}^4$
 $W_x = 4,85 \text{ cm}^3$
 $I_y = 10,62 \text{ cm}^4$
 $W_y = 4,42 \text{ cm}^3$

PE (m)
 3

Ø48

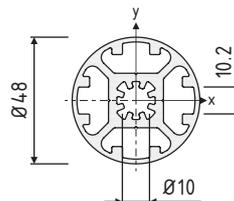


05.02088.00

M = 1,86 kg/m
 $I_x = 11,60 \text{ cm}^4$
 $W_x = 4,42 \text{ cm}^3$
 $I_y = 11,60 \text{ cm}^4$
 $W_y = 4,42 \text{ cm}^3$

PE (m)
 3

Ø48-4N



M = 1,92 kg/m

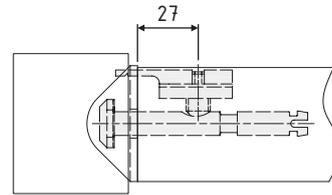
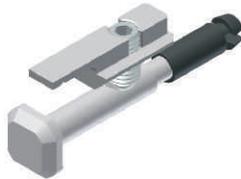
Profil auf Anfrage
Profile on request
Profil sur demande

PE (m)
 3

Technische Änderungen vorbehalten

VERBINDUNGSELEMENTE
CONNECTING ELEMENTS
ELEMENTS DE JONCTION

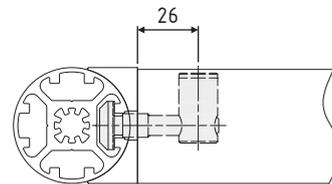
AGV



➔ ■ 3.04

05.01782.00

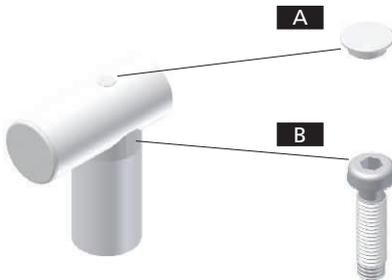
GV



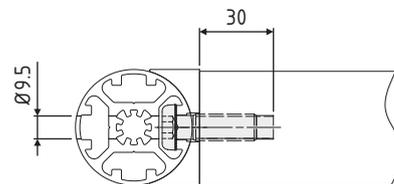
➔ ■ 3.02

05.01352.00

SF 12x40



PA 6
 lichtgrau
 light grey
 gris clair



➔ ■ 3.18

A 05.01023.00

B 05.01127.00

Eckverbinder gelenkig 0-90°

Angle element · Elements d'angle



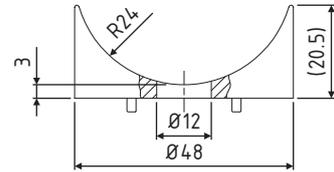
VA

05.01024.00



Radiusausgleich Ø48

Radius compensation Ø48 · Compensateur de rayon Ø48



PA 6
lichtgrau
light grey
gris clair

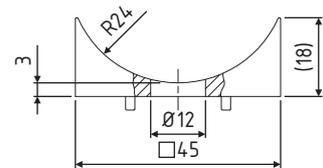
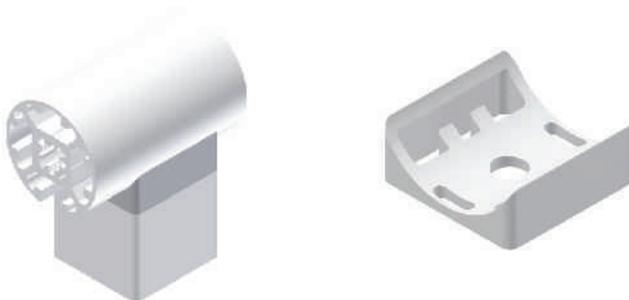
05.02094.00

Alu

05.02094.01

Radiusausgleich 45x45

Radius compensation 45x45 · Compensateur de rayon 45x45



PA 6
lichtgrau
light grey
gris clair

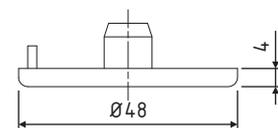
05.02095.00

Alu

05.02095.01

Abdeckkappe Ø48

Covering cap Ø48 · Cache Ø48



PA 6
lichtgrau
light grey
gris clair

05.02097.00

Alu

05.02097.01

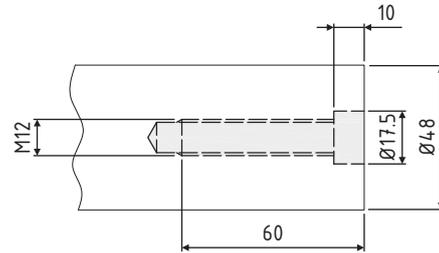
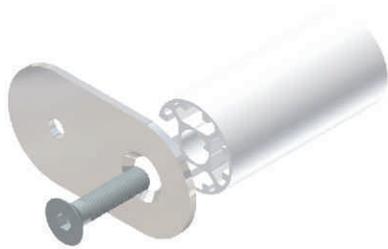
BODENBLECHE

BASE PANELS

PLAQUES



10



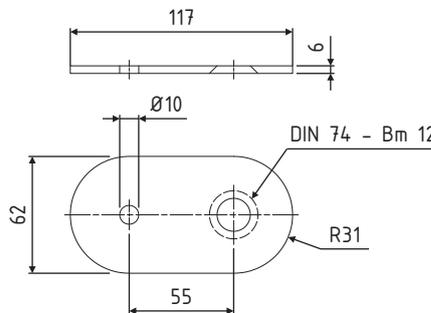
VA
elektropoliert
electropolished
Inox zingé

Bodenbefestigung
Floor mounting
Montage au sol

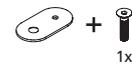


05.01172.00

62x117



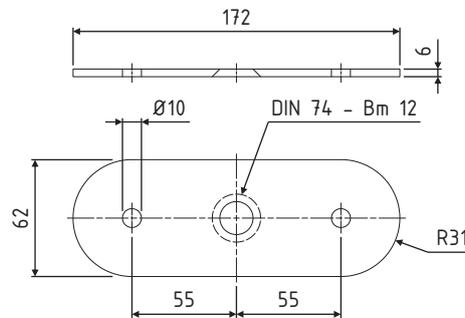
05.02280.00



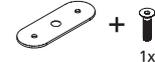
05.02280.05

1x

62x172



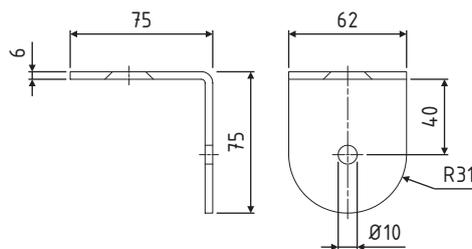
05.02281.00



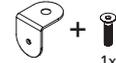
05.02281.05

1x

90° - 62x75x75



05.02282.00



05.02282.05

1x

11

Technische Änderungen vorbehalten

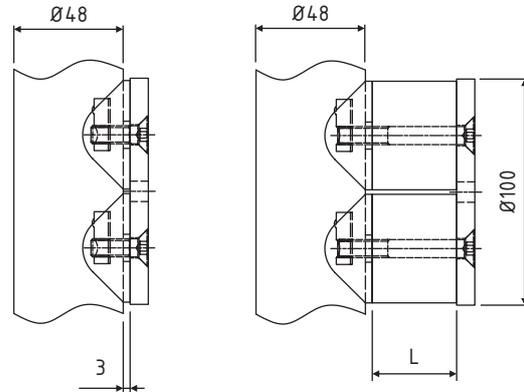


BODENBEFESTIGUNG
BASE FASTENING
ANCORAGE AU SOL

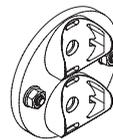


Wandbefestigung Ø100

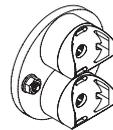
Pipe base clamp · Embase d'ancrage



VA
 elektropliert
 electropolished
 Inox zingé



05.02377.00



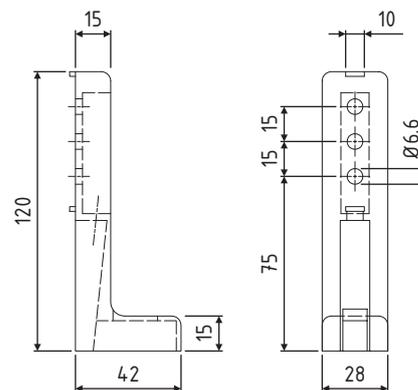
05.02377.00

+ L = mm

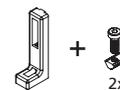
05.02090.00

Bodenwinkel 30x120 - 10

Base bracket 30x120 - 10 · Equerre d'ancrage 30x120 - 10



GD-Zn
 Blank
 Bare
 Brut



+ 2x

05.02199.05



1x

05.01172.00

➔ ■ 5.06

Technische Änderungen vorbehalten

Glashalter

Glass holder · Pincas

GD-Zn
poliert
polished
Peint

	05.02198.00
+ 1x	05.02198.05

Dichtprofil

Sealing profile · Joint de réduction souple

→ ■ 7.04

S	
2 mm	05.02070.00
4 mm	05.02071.00
5 mm	05.02072.00
6 mm	05.02075.00

Abdeck- und Einfassprofil

Covering and fastening profile · Baguette de réduction

→ ■ 7.03

schwarz	black	noir	9011	05.01187.00
---------	-------	------	------	--------------------

Technische Änderungen vorbehalten



RUNDPROFIL
ROUND PROFILES
PROFILES RONDS



Anwendungsbeispiele

Sample applications · Exemples d'application



Für mehr Informationen
bitte separaten Katalog
anfordern

Rundprofil

Please request separate
catalogue for more
Information

Round profiles

Pour plus d'informations,
demandez notre catalogue
détaillé

Profiles ronds

Technische Änderungen vorbehalten

LINEARFÜHRUNGEN
LINEAR GUIDES
GUIDAGES LINEAIRES



■ 12.02



■ 12.02



■ 12.03



■ 12.04



■ 12.04



■ 12.04



■ 12.05



■ 12.06



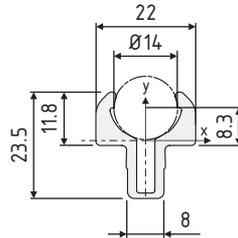
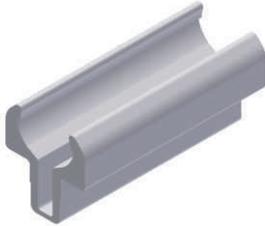
WELLENKLEMMPROFILE

SHAFT CLAMP PROFILES

PROFILES SUPPORT ARBRE



Ø 14



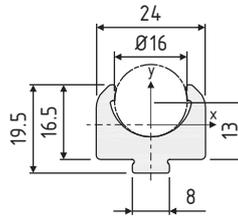
8 10

05.01030.00

M = 0,36 kg/m
 $I_x = 12,50 \text{ cm}^4$
 $W_x = 5,63 \text{ cm}^3$
 $I_y = 19,36 \text{ cm}^4$
 $W_y = 6,53 \text{ cm}^3$

PE (m)
 6 / 30 / 60

Ø 16



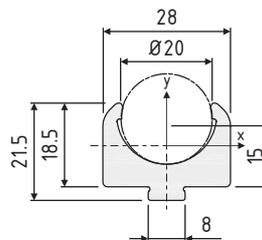
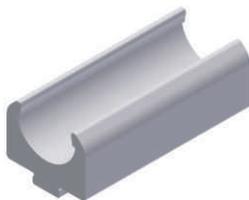
8 10

05.02130.00

M = 2,20 kg/m
 $I_x = 12,50 \text{ cm}^4$
 $W_x = 5,63 \text{ cm}^3$
 $I_y = 19,36 \text{ cm}^4$
 $W_y = 6,53 \text{ cm}^3$

PE (m)
 6 / 48 / 96

Ø 20



8 10

05.02131.00

M = 2,78 kg/m
 $I_x = 16,45 \text{ cm}^4$
 $W_x = 6,76 \text{ cm}^3$
 $I_y = 41,28 \text{ cm}^4$
 $W_y = 10,62 \text{ cm}^3$

PE (m)
 6 / 48 / 96

Welle

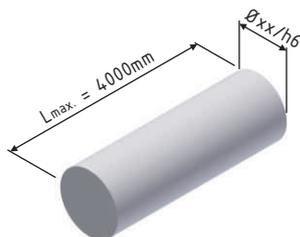
- Cf53, gehärtet, geschliffen
- Härte 59+6 HRC
- Rauheit Ra = 0,35µm

Shaft

- CF53, hardened, ground
- Hardness 59+6 HRC
- Roughness Ra=0.35µm

Arbre

- CF53, trempé, rectifié
- Dureté 59+6 HRC
- Rugosité Ra=0,35µm



Ø14 05.01031.00

Ø16 05.02134.00

Ø20 05.02135.00

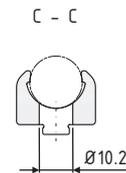
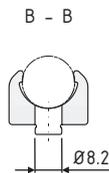
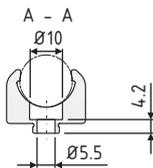
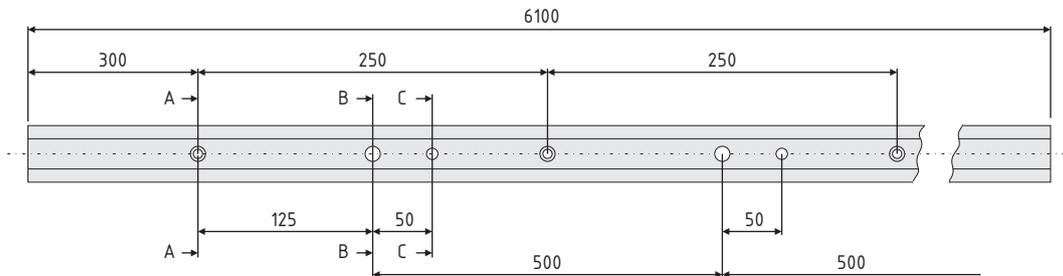
Technische Änderungen vorbehalten

WELLENKLEMMPROFILE SHAFT CLAMP PROFILES PROFILES SUPPORT ARBRE



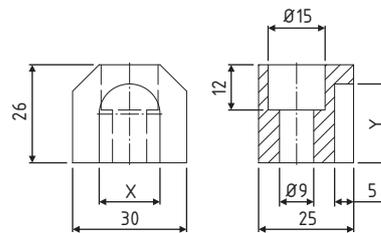
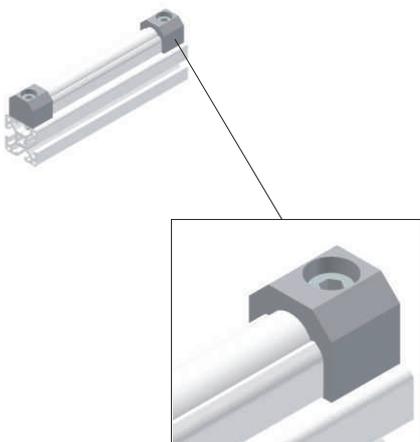
Bohrbild Ø16 / Ø20

Drilling diagram Ø16 / Ø20 · Schéma de perçage



Wellenendstück

Axial stop · Butée axiale



	X	Y	8	10
Ø 14	14	15.2	05.02136.00	
Ø 16	16	20.9	05.02137.00	
Ø 20	20	24.9	05.02138.00	



SCHLITTENSYSTEM

SLIDING SYSTEM

UN SYSTEME DE TRANSLATION



Innovative Vorteile

- Verschieben und bewegen
- Verändern und einstellen
- Justieren und positionieren
- Manuell oder angetrieben
- Robust und hoch belastbar
- Platzsparend und formschön
- Flexibel und preisgünstig

Innovative advantages

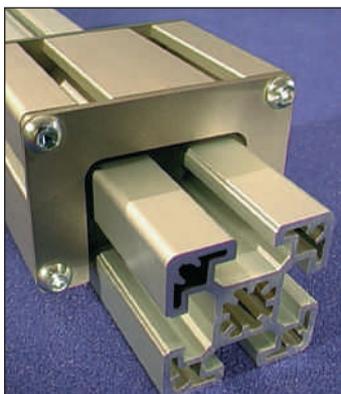
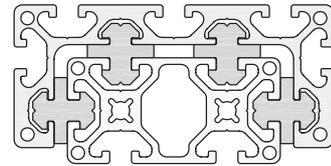
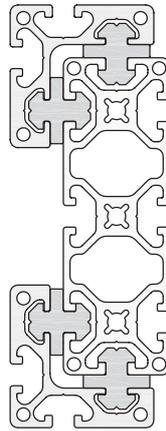
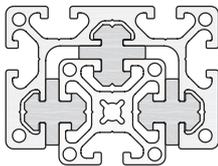
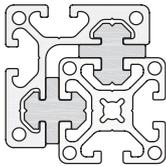
- Pushed and moved
- Changed and adjusted
- Position and aligned
- By hand or motor-driven
- Rugged and extremely hard-wearing
- Space-saving and attractive design
- Economical and flexible

Atouts novateurs

- Déplacer et bouger
- Modifier et adapter
- Ajuster et positionner
- Manuellement ou automatique
- Robuste et à haute capacité de charge
- Peu encombrant, élégant
- Flexible et d'un prix avantageux

Anwendungen

Applications · Applications



Ein Beispiel von ...
 One example of ...
 La phrase demandée par
 votre collègue ...

Technische Änderungen vorbehalten

SCHLITTENPROFILE

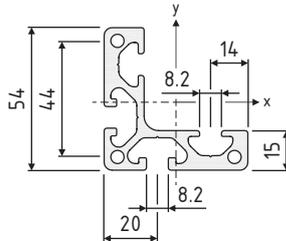
SLIDE PROFILES

PROFILE DE TRANSLATION



Eckschlitten 40

Corner slides 40 · Profilé L 40



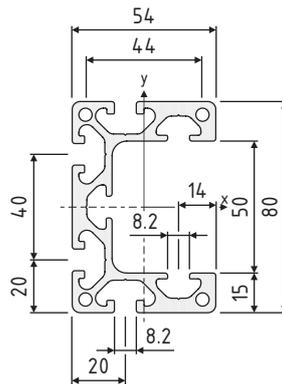
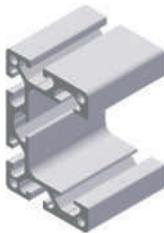
05.01714.00

M = 1,91 kg/m
 $I_x = 24,35 \text{ cm}^4$
 $W_x = 9,02 \text{ cm}^3$
 $I_y = 24,35 \text{ cm}^4$
 $W_y = 9,02 \text{ cm}^3$

PE (m)
 6 / 24 / 48 / 72

U-Schlitten 40/80

U-slides 40/80 · Profilé U 40/80



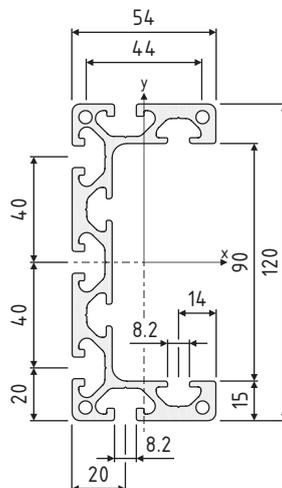
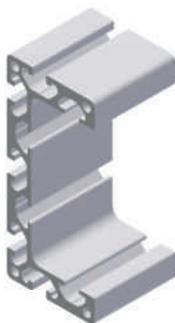
05.01715.00

M = 3,14 kg/m
 $I_x = 97,75 \text{ cm}^4$
 $W_x = 24,44 \text{ cm}^3$
 $I_y = 37,58 \text{ cm}^4$
 $W_y = 13,92 \text{ cm}^3$

PE (m)
 6 / 18 / 36 / 54

U-Schlitten 80/120

U-slides 80/120 · Profilé U 80/120



05.01716.00

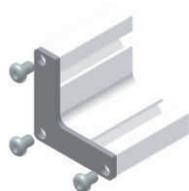
M = 3,91 kg/m
 $I_x = 272,30 \text{ cm}^4$
 $W_x = 45,38 \text{ cm}^3$
 $I_y = 49,81 \text{ cm}^4$
 $W_y = 18,45 \text{ cm}^3$

PE (m)
 6 / 18 / 36 / 54



Abdeckkappen

Cover caps · Embouts



05.01890.10



05.01891.10



05.01892.10

Gleitprofile

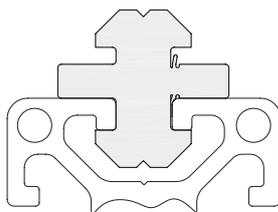
Slide profiles · Patins



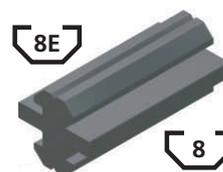
Die an den seitlichen Gleitflächen angebrachten Lippen, gleichen die Toleranzen ($\pm 0.2\text{mm}$) der Aluprofile aus und ermöglichen somit ein gleichmäßiges Verschieben.

The lips located on the side sliding surfaces compensate the tolerances of the aluminium profiles and allow smooth sliding.

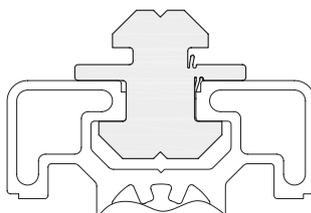
Les lèvres placées sur les surfaces de glissement latérales compensent les tolérances des profilés alu et permettent ainsi un glissement uniforme.



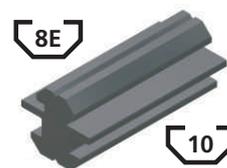
→ ■ 12.08



05.01896.00



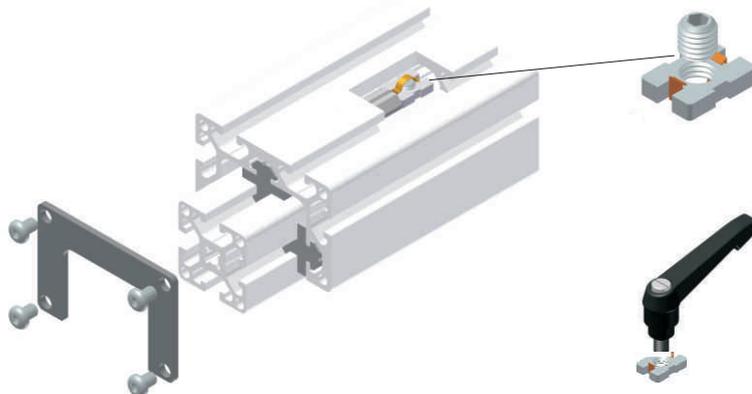
→ ■ 12.07



05.01897.00

Fixierung für Gleitprofil

Fastener for slide profile · Butée pour patins



05.01895.00

05.01895.05

GLEITPROFILE 8E
SLIDE PROFILE 8E
PATINS 8E



8E / 8E beidseitiger Kopf
 double-sided head · tête bilatérale axiale

PE, 2.000 mm
05.01880.00

8E / 10 beidseitiger Kopf für Profil 45
 double-sided head for profile 45 ·
 tête bilatérale axiale pour profilé 45

PE, 2.000 mm
05.01897.00

8E / 8E einseitiger Kopf, mittiger Steg
 single-sided head, central fin · tête unilatérale axiale

PE, 2.000 mm
05.01881.00

8E einseitiger Kopf, Plan 5mm
 single-sided head, flush 5 mm ·
 tête unilatérale plate 5mm

PE, 2.000 mm
05.01898.00

8E / 8E einseitiger Kopf, exzentrischer Steg
 Single-sided head, excentric fin ·
 Tête unilatérale désaxée

PE, 2.000 mm
05.01882.00



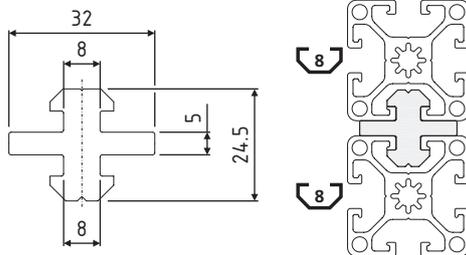
GLEITPROFILE 8

SLIDE PROFILE 8

PATINS 8

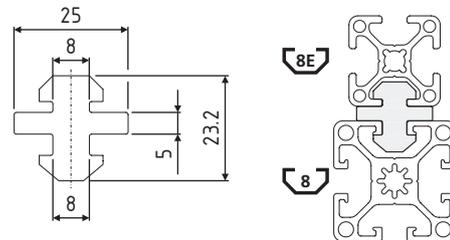
**8 / 8****beidseitiger Kopf**

double-sided head · tête bilatérale axiale



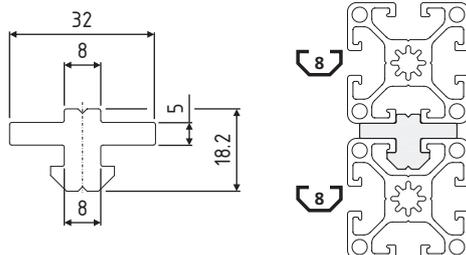
PE, 2000mm

05.01341.00

8 / 8E**beidseitiger Kopf für Profil 30**double-sided head for profile 30 ·
tête bilatérale axiale pour profilé 30

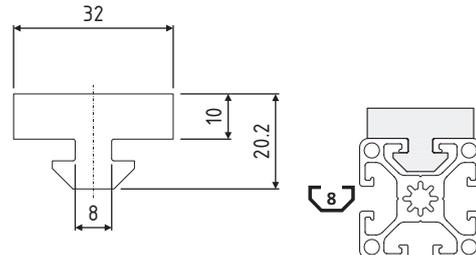
PE, 2000mm

05.01896.00

8 / 8**einseitiger Kopf, mittiger Steg**single-sided head, central fin ·
tête unilatérale axiale

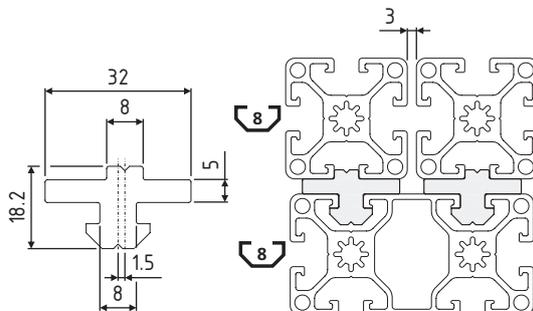
PE, 2000mm

05.01884.00

8**einseitiger Kopf, plan 10mm**single-sided head, flush 10 mm ·
tête unilatérale plate 10 mm

PE, 2000mm

05.01335.00

8 / 8**einseitiger Kopf, exzentrischer Steg**single-sided head, excentric fin ·
tête unilatérale désaxée

PE, 2000mm

05.01879.00

Technische Änderungen vorbehalten

GLEITPROFILE 10
SLIDE PROFILE 10
PATINS 10



10 / 10 beidseitiger Kopf
 double-sided head · tête bilatérale axiale

PE, 2000mm
05.01336.00

10 / 8 beidseitiger Kopf
 double-sided head · tête bilatérale axiale

PE, 2000mm
05.01337.00

10 / 10 einseitiger Kopf, mittiger Steg
 single-sided head, central fin · tête unilatérale, axiale

PE, 2000mm
05.01899.00

10 / 8 einseitiger Kopf, mittiger Steg
 single-sided head, central fin · tête unilatérale, axiale

PE, 2000mm
05.01338.00

10 / 10 einseitiger Kopf, exzentrischer Steg
 single-sided head, excentric fin · tête unilatérale désaxée

PE, 2000mm
05.01339.00

10 einseitiger Kopf, Plan 10mm
 single-sided head, flush 10 mm · tête unilatérale plate 10 mm

PE, 2000mm
05.01340.00

FÖRDERSTRECKENELEMENTE

CONVEYOR ELEMENTS

ELEMENTS DE CONVOYEUR



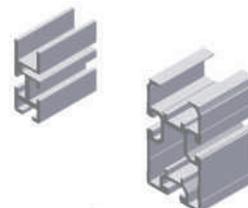
■ 13.02



■ 13.04



■ 13.08



■ 13.10



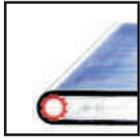
■ 13.12



■ 13.14



■ 13.16



ECO-ROLL
ECO-ROLL
ECO-ROLL



8E

Werkstückträger-Transport und
-Verkettungen von Hand-Arbeitsplätzen.

Workpiece carrier (WPC) transporter and
interlinking of manual workplaces.

Déplacement manuel de palettes.

Ab WT = 400mm auch mit
angetriebenen Rollen erhältlich.

Also available with driven rollers as of
WPC = 400 mm.

A partir de palettes=400 mm, également
disponible avec rouleaux entraînés.

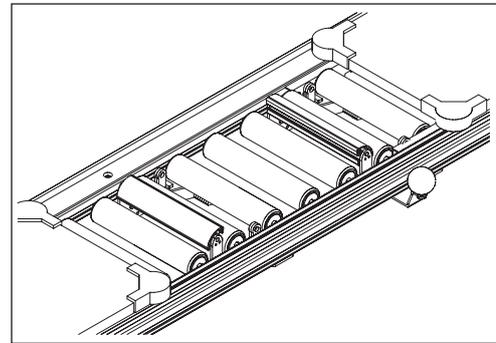
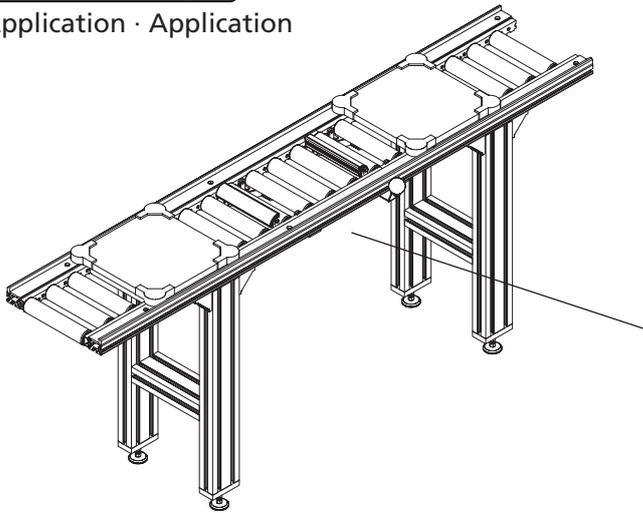
Anlagenausführungen mit Kurven,
Eckstationen und Ausschleusungen
auf Anfrage.

System design with bends, corners
stations and ejection points on request.

Sur demande, versions avec courbes,
stations d'angle et sas de sortie.

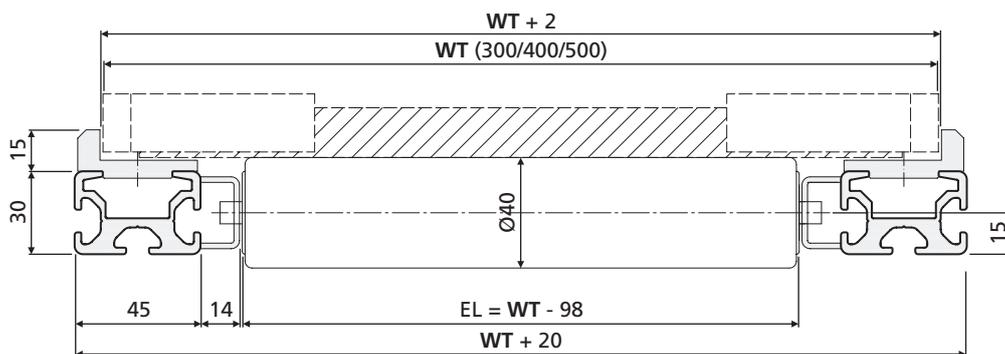
Anwendung

Application · Application



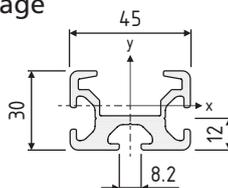
Querschnitt

Cross section · Section



Streckenprofil SPR

Section profile SPR · Profilé de convoyage



05.01021.00

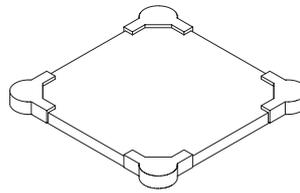
M = 1,36 kg/m
I_x = 4,55 cm⁴
W_x = 2,02 cm³
I_y = 10,97 cm⁴
W_y = 7,32 cm³

PE (m)
6 / 24 / 48 / 72

Werkstückträger - WT

Workpiece carriers · Palettes

Holzplatte mit Kunststoffecken
 Wooden pallet with plastic corners
 Palettes bois avec renfort angulaire
 Plastique



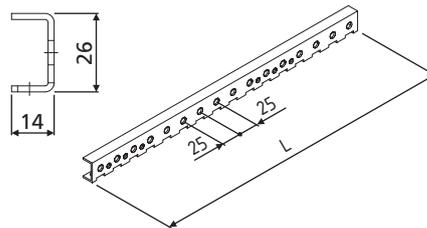
WT	
300 x 300	03.00510.00
300 x 400	03.00511.00
400 x 400	03.00512.00
400 x 500	03.00513.00
500 x 500	03.00514.00

Rollenhalter

Roller holder · Support rouleaux

$$n = \frac{L}{200}$$

n = Anzahl der Anbausätze
 Number of adapters
 Quantité

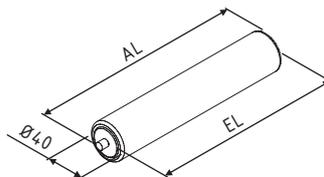


L	
600	03.00517.06
800	03.00517.08
1000	03.00517.00

Rollen

Rollers · Rouleaux

Einfache Montage und Demontage
 durch Federachse
 Spring axle for easy fitting and removal
 Montage et démontage aisés par axe à
 Ressort



Rollen in der Ausführung Stahl und
 Kunststoff auf Anfrage erhältlich

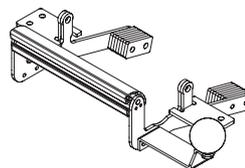
Steel and plastic rollers available on
 request

Rouleaux disponibles en version acier et
 matière plastique sur demande

Stopper

Stopper · Butée

Manuelle Betätigung notwendig
 Manual activation necessary
 Actionnement manuel

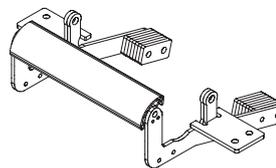


WT	
300	03.00540.30
400	03.00540.40
500	03.00540.50

Rücklaufsperr

Reverse lock · Blocage anti-retour

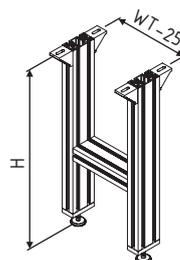
Automatisch durch Gegengewicht
 Automatic through counterweight
 Automatique par contre-poids



WT	
300	03.00541.30
400	03.00541.40
500	03.00541.50

Stützen

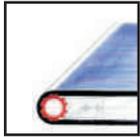
Supports · Piètement



Stützenvariante aus Aluprofil 45x90L,
 Abmaße nach Kundenwunsch

Support variation made of aluminium
 profile 45x90L, dimensions to customer
 specifications

Variante de piètement en profilé alu
 45x90L dimensions sur mesure



FM-ROLLENBAHN

FM ROLLER CONVEYORS

CONVOYEUR A ROULEAUX FM



Schwerkraft-Rollenbahn für Teile- und Behältertransport

Gravity roller conveyor for parts and container transport

Convoyeur à rouleaux gravitaire

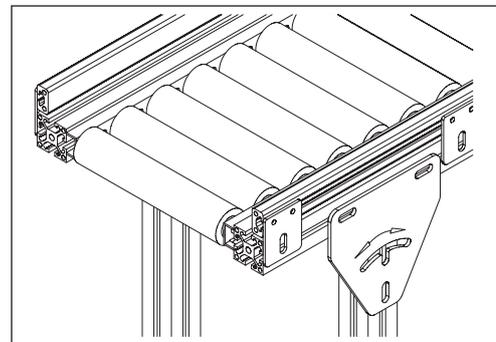
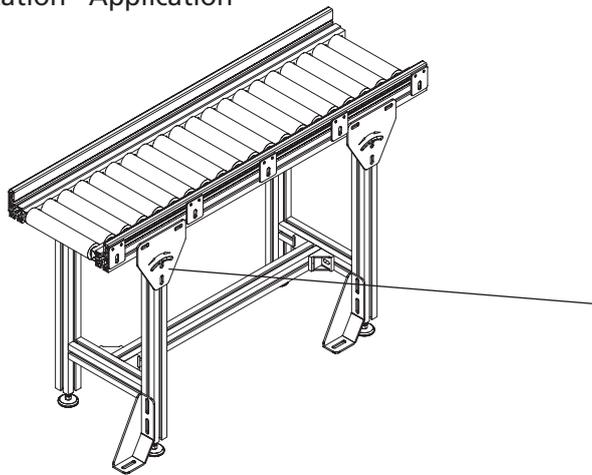
Ab B = 400mm auch mit angetriebenen Rollen erhältlich

Also available with driven rollers as of B = 400 mm

A partir d'une largeur = 400 mm, également disponible avec rouleaux entraînés

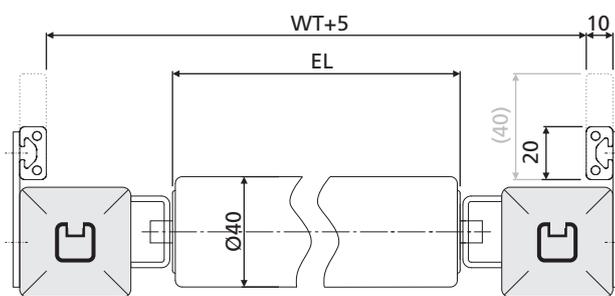
Anwendung

Application · Application



Querschnitt

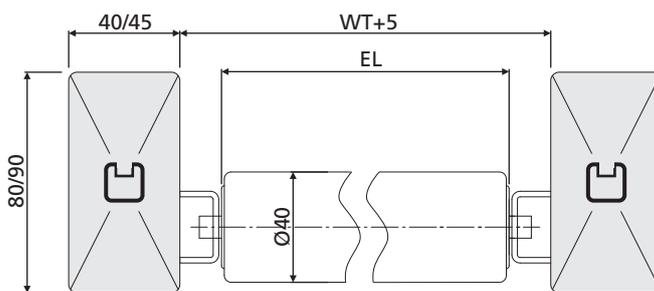
Cross-section · Sections



N 40 40 x 40 N → ■ 2.29



L 45 45 x 45 L → ■ 2.55



N 40 40 x 80 N → ■ 2.30



L 45 45 x 90 L → ■ 2.56



Technische Änderungen vorbehalten

FM-ROLLENBAHN

FM ROLLER CONVEYORS

CONVOYEUR A ROULEAUX FM

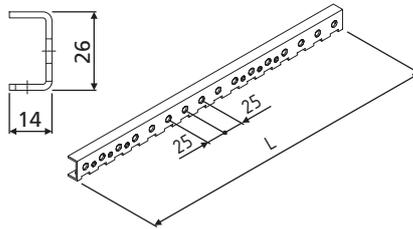


Rollenhalter

Roller holder · Support rouleaux

$$n = \frac{L}{200}$$

n = Anzahl der Anbausätze
Number of adapters
Quantité



L	Part Number
600	03.00517.06
800	03.00517.08
1000	03.00517.00

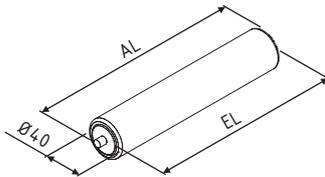
Rollen

Rollers · Rouleaux

Einfache Montage und Demontage durch Federachse

Spring axle for easy fitting and removal

Montage et démontage aisés par axe à Ressort



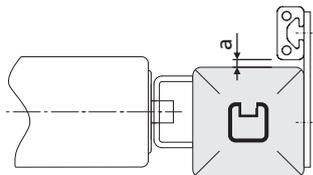
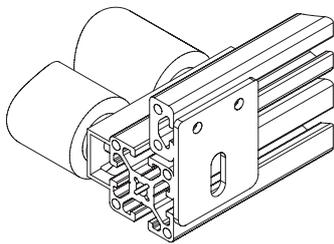
Rollen in der Ausführung Stahl und Kunststoff auf Anfrage erhältlich

Steel and plastic rollers available on request

Rouleaux disponibles en version acier et matière plastique sur demande

Seitenführung

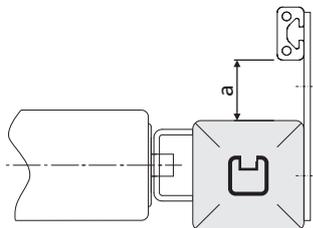
Side guidance · Rive



Spaltmaß **a** max. 10mm

Gap size **a** max. 10 mm

Ecartement **a** max. 10 mm



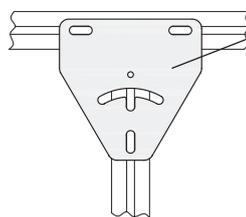
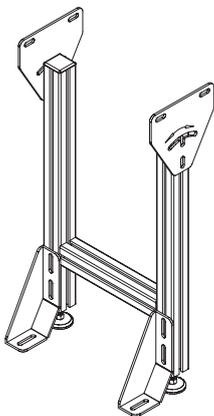
Spaltmaß **a** von 17 bis 32 mm

Gap size **a** from 17 to 32 mm

Ecartement **a** de 17 à 32 mm

Stützen

Supports · Piètement

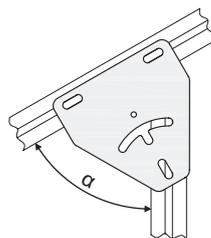


03.00880.00

Halteblech
Retaining plate
Interface piètement

03.00880.05

Halteblech inkl. Befestigungsatz
Retaining plate with adapter kit
Interface piètement avec kit de montage

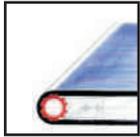


Bandneigung von α 90° bis α 60°.
Neigungsverstellung von max. 30°

Belt inclination from 90° to 60°,
max. inclination adjustment of 30°

Inclinaison de 90° à 60°
réglage max. 30°

Technische Änderungen vorbehalten



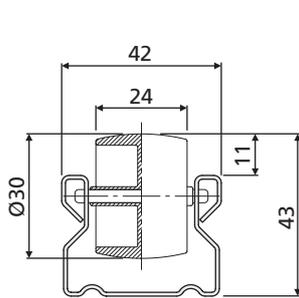
ECO-ROLLENSCHIENEN

ECO ROLLER RAILS
RAILS A GALET ECO

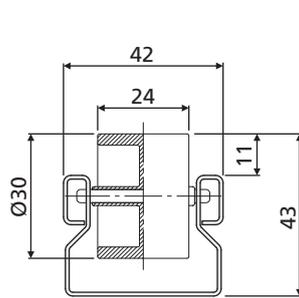


Profilschienen

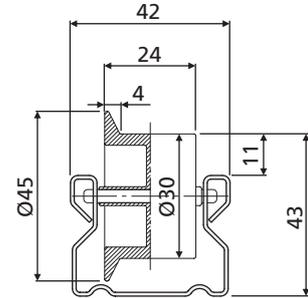
Profile rails · Profilé rail



Typ 40 - A **08.00090.00**



Typ 40 - B **08.00091.00**

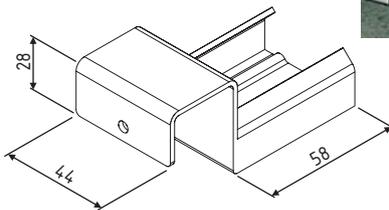


Typ 40 - B mit Bord **08.00092.00**

Typ 40 - B / ESD **08.00093.00**

Schienenaufnahme

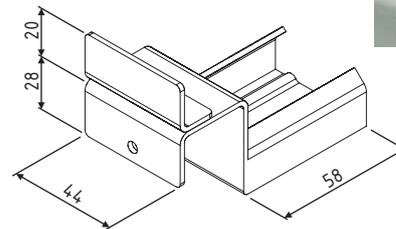
Rail locator ·
Embout de rail



08.00100.00

mit Stopper

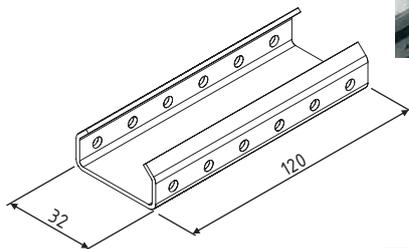
with stopper · avec butée



08.00102.00

Schienenverbinder

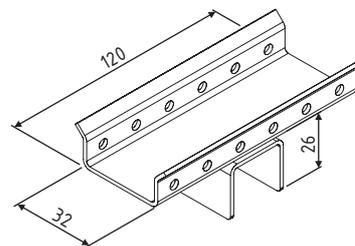
Rail connector · Union de rail



08.00104.00

mit Aufsatz

with support ·
Union de rail support



08.00106.00

Technische Änderungen vorbehalten

ZUBEHÖR ROLLENBAHNEN

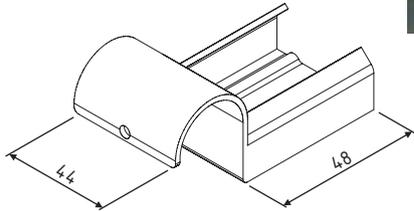
ROLLER CONVEYOR ACCESSORIES

ACCESSOIRES CONVOYEUR A ROULEAUX



Schienenaufnahme HR

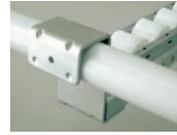
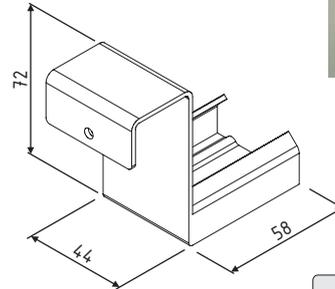
Rail locator HR ·
Support de rail HR



08.00108.00

mit Stopper

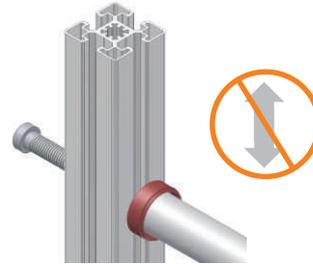
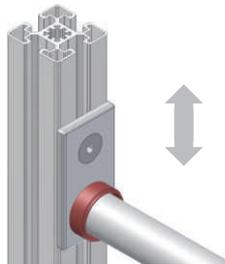
with stopper · avec butée



08.00114.00

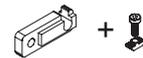
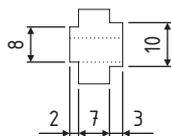
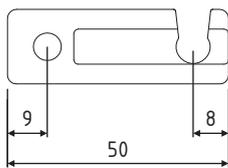
Befestigung an Alu-Profil

Fastening on aluminium profile · Fixation tube / profilé alu → ■ 10.16



Rollenaufnahme

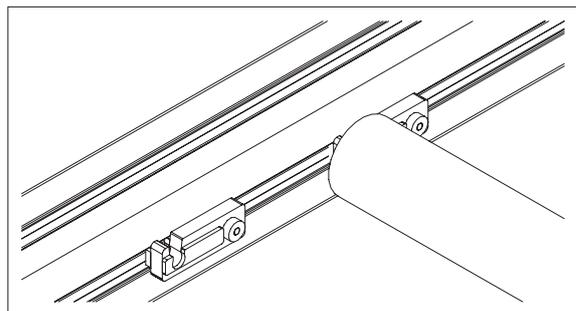
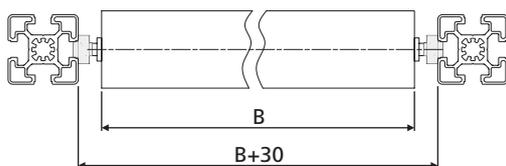
Roller locator · Taquet support rouleau



8E 05.01754.30

8 05.01754.40

10 05.01754.50



Technische Änderungen vorbehalten



BANDFÖRDERER CONVEYOR BELTS CONVOYEUR A BANDE



Merkmale:

- Transport von Teilen, Behältern und Werkstückträgern
- Gewichte von 0 bis 100 kg
- Förderbreite von 30 bis 2500mm
- Förderbandqualität
 - Kunststoffkette
 - Keilriemengurte
 - Zahnriemen
 - Drahtgliedergurte
- Seitenführungs-Systeme mit:
 - Alu-Profil
 - Kunststoff-Leisten und Rundstange
 - VA-Rundstangen
 - Standardhalter aus Kunststoff und VA
- Bandkörper
 - Alu-Profil und Stahlblechauflagen
 - VA-Blechkantkonstruktion
- Bandgeschwindigkeit von 0 bis 30 m/min

Characteristics:

- Transportation of parts, containers and pallets
- Weights from 0 to 100 kg
- Conveying widths from 30 to 2500 mm
- Conveyor belt types
 - V-belts
 - Plastic chain (toothed belts)
 - Wire link belts
- Side guidance systems with:
 - Aluminium profiles
 - Plastic rails and round rod
 - Stainless steel rods
 - Standard container made of plastic and stainless steel body
- Belt frame
 - Aluminium profiles and sheet steel supports
 - Stainless sheet steel construction
- Belts speeds from 0 to 30m per min

Caractéristiques:

- Transport de pièces et palettes
- Poids de 0 à 100 kg
- Largeur de convoyage de 30 à 2500 mm
- Qualité de courroie
 - Chaîne plastique
 - Courroies trapézoïdales
 - Chaîne plastique (courroie dentée)
 - Courroies fil métallique
- Systèmes de rives avec:
 - Profilé alu
 - Rives plastique et baguette ronde
 - Baguettes rondes inox
 - Support standard en plastique et inox
- Corps de bande
 - Profilé alu et tôles
 - Construction en tôle inox pliée
- Vitesse de bande de 0 à 30 m/min

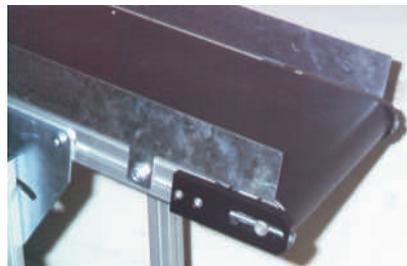
Preise auf Anfrage

Prices on request

Offre sur mesure

Anwendungen

Applications · Applications



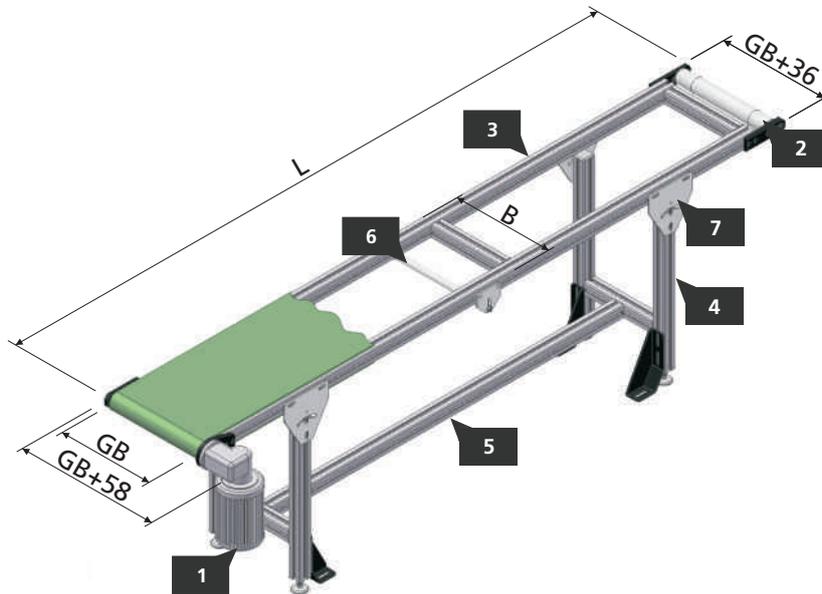
Technische Änderungen vorbehalten

BANDFÖRDERER CONVEYOR BELTS CONVOYEUR A BANDE



Darstellung

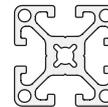
View · Vue



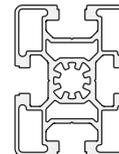
BF 30



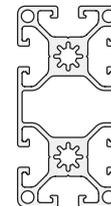
BF 40



BF 60L



BF 80L



1	Antrieb	Drive	Entraînement
2	Umlenkung	Return	Renvoi
3	Bandstrecke	Belt section	Longeron
4	Bandstütze	Belt support	Piètement
5	Verbindungsstrebe	Connecting strut	Entretoise piètement
6	Stützrolle	Support roller	Rouleau support de bande
7	Halteblech	Retaining plate	Interface piètement

Technische Daten

Technical details · Caractéristiques techniques

	Bandlänge L Belt length L Longueur du convoyeur L	Gurtbreite (mm) Belt width (mm) Largeur de courroie (mm)	Bandbelastung (gesamt) Belt load (total) Charge (totale)	Bandgeschwindigkeit Belt speed Vitesse
BF 30	500-4.000 mm	100 / 150 / 200 / 250 / 300 / 400 / 500	< GB=250: max. 5kg/m (Max.15 kg) > GB=250: max. 10kg/m (Max. 30 kg)	5,4m/min , 7,3m/min 13,1m/min , 11,5m/min 15,4m/min
BF 40	500-4.000 mm	100 / 150 / 200 / 250 / 300 / 400 / 500	< GB=250: max. 5kg/m (Max.20 kg) > GB=250: max. 10kg/m (Max. 40 kg)	6,5m/min , 9,8m/min 13,1m/min
BF 60L	1.000-6.000 mm	100 / 150 / 200 / 250 / 300 / 400 / 500	< GB=400: max. 15kg/m (Max.90 kg) > GB=400: max. 20kg/m (Max. 120 kg)	7,5m/min , 9,4m/min 13,2m/min , 18,8m/min
BF 80L	1.000-12.000 mm	100 / 150 / 200 / 250 / 300 / 400 / 500	< GB=500: max. 5kg/m (Max.15 kg) > GB=500: max. 40kg/m (Max. 400 kg)	8,3m/min , 9,8m/min 12,4m/min , 15,5m/min 19,6 m/min

Technische Änderungen vorbehalten



3D-KETTENFÖRDERER

3D CHAIN CONVEYOR

CONVOYEUR À CHAÎNE 3D



Merkmale:

geeignet für den universellen und flexiblen Transport von vielen Produkten im:

Direkttransport

z.B. Lagerringe, Verzahnungsteile, Schachteln, Flaschen, Kartons, usw.

Werkstückträger Systeme

Für leichte Teile bei universellen Förderverlauf wie Kurven, Steigungen, Gefällstrecken, usw.

Baukastensystem

Mit allen erforderlichen Elementen wie Antriebsstationen, Umlenkstationen, Kurven, Bogenrädern, Vereinzeler, Stopper, Fixierstation, usw.

Characteristics:

Suitable for universal and flexible transport of large numbers of products:

Direct transport

e.g. bearing rings, gearing parts, boxes, bottles, cartons etc.

Workpiece carrier conveying systems

For light parts with universal transport tracks such as bends, inclines, slopes etc.

Modular system

With all necessary elements such as drive stations, turning stations, bends, separators, stoppers, fixing stations etc.

Caractéristiques:

Pour le transport universel et flexible de nombreux produits

Transport direct

par ex.. anneaux, éléments d'engrenage, boîtes, bouteilles, cartons

Systèmes de palettes

Pour pièces légères sur tracés universels en courbes, montées, déclivités, etc.

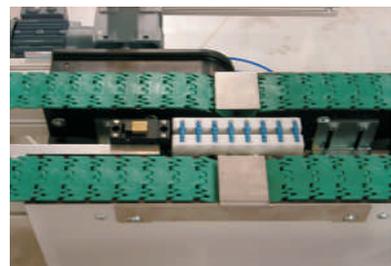
Système modulaire

Avec tous les éléments nécessaires tels que stations d'entraînement, de renvoi, courbes, butées, stations de fixation.

Teilgewichte Parts weight Poids des pièces	Bandgeschwindigkeit Belt speed Vitesse du convoyeur	Umgebungstemperatur Ambient temperature Température ambiante
1-15 (20) kg	6-12 (15) m/min	5-60° C

Anwendungen

Applications · Applications



Technische Änderungen vorbehalten

3D-KETTENFÖRDERER

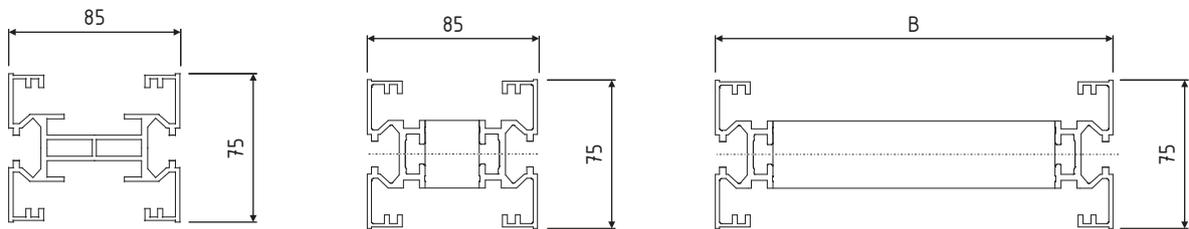
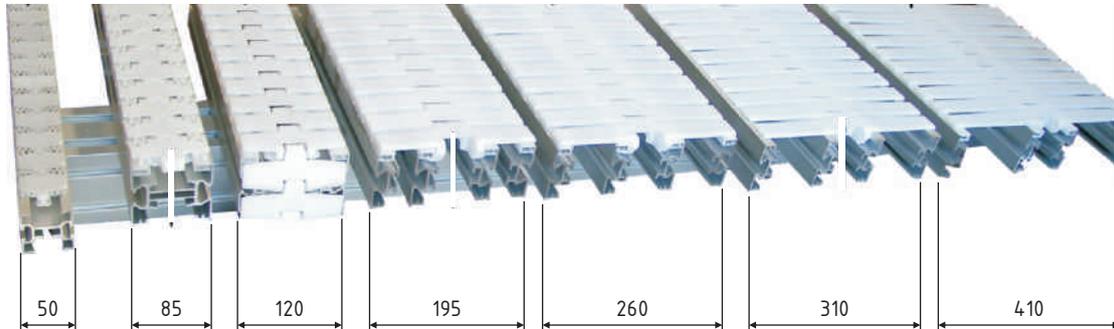
3D CHAIN CONVEYOR

CONVOYEUR À CHAÎNE 3D



Führungsprofil

Guide profile · Profilé de guidage



Typ

Type · Type



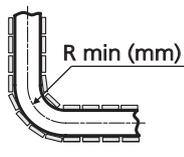
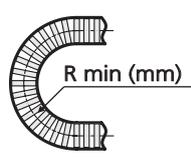
Typ FK-3 Kunststoffkette
Type FK-3 plastic chain
Type FK- chaîne plastique



Typ FG-3 Kunststoffglieder
Type FG-3 plastic links
Type FG-3 maillons plastique

Auslegungsdaten

Design data · Caractéristiques

Typ	Kettenbreite Chain width Largeur de chaîne	Führungsprofil (BxH) Guide profile (BxH) Profilé de guidage (BxH)	R min (mm)	
				
FK-3	48	50 x 50	150	300
FK-3	64	70 x 75	200	400
FK-3	82	85 x 75	200	400
FK-3	89	90 x 75	500	500
FK-3	114	120 x 75	200	400
FG-3	82	85 x 75	150	400
FG-3	112	120 x 75	200	400
FG-3	209	215 x 75	350	400
FG-3	311	320 x 75	600	500
FG-3	373	380 x 75	700	500
FG-3	453	460 x 75	850	500
FG-3	577	585 x 75	1.100	600
FG-3	618	625 x 75	1.200	600

Technische Änderungen vorbehalten



DOPPELGURT BAND DG-0/DG-2

TWIN BELT DG-0 / DG-2

TRANSFERT A BANDES JUMEELES DG-0 / DG-2



Merkmale:

- Werkstückträgersystem als Automatisierungsförderer
- Komplettsystem mit Vereinzelner, Stopper, Hub-Quertransport, Hubstation, Indexierstation, Drehstationen, usw.
- Sonderausführungen nach Aufgabenstellung

Characteristics:

- Workpiece carrier transport system automatic conveyer
- Complete system with separator, stopper, lift/cross transport, lift station, indexing station, turning station etc.
- Special designs according to Requirements

Caractéristiques:

- Système de palettes convoyeur d'automation
- Système complet avec butées, levage et déplacement transversal, stations de levage, d'indexation, giratoires, etc..
- Versions spéciales selon les exigences

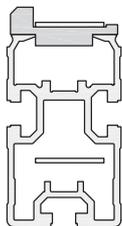
Anwendungen

Applications · Applications

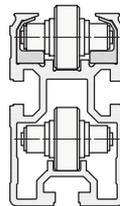


DG-2: 1 Profil - 4 Systeme

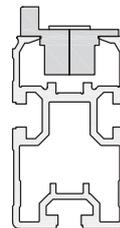
DG-2: 1 profile - 4 systems · DG-2: 1 profilé - 4 systèmes



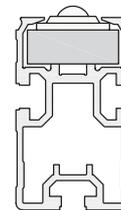
➔ ■ 13.12



➔ ■ 13.13



➔ ■ 13.18



Technische Änderungen vorbehalten

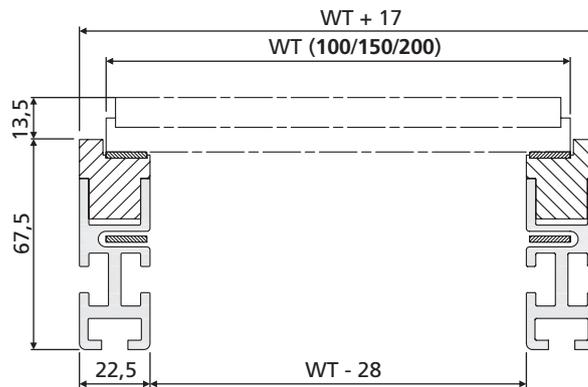
DOPPELGURT BAND DG-0 / Dg2

TWIN BELT DG-0 / DG-2

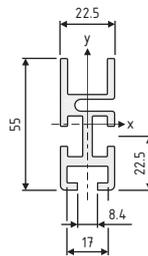
TRANSFERT A BANDES JUMEELES DG-0 / DG-2



DG-0



Förderprofil DG-0



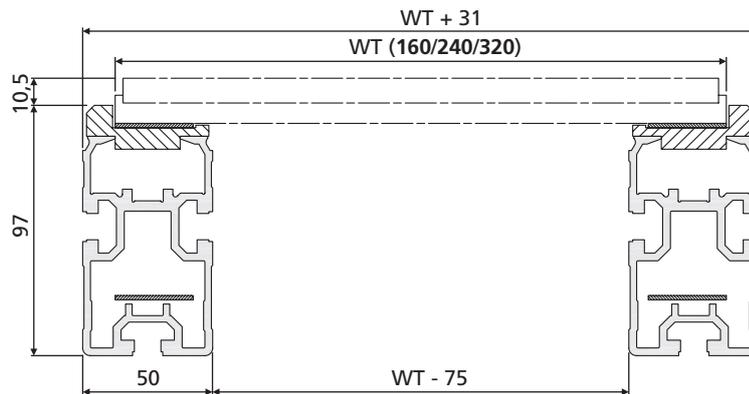
02.00068.00

M = 1,35 kg/m

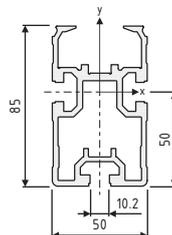
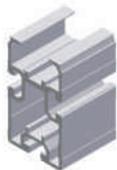
PE (m)

6 / 48 / 96 / 144

DG-2



Förderprofil DG-2



05.01020.00

M = 3,09 kg/m

PE (m)

6 / 24 / 48 / 72

Technische Daten

Technical details · Caractéristiques techniques

Typ	Werkstückträger Workpiece carriers Palettes	Bandgeschwindigkeit Belt speed Vitesse	Nutzlasten Rated load Charges utiles
DG-0	100x100 / 150x150 / 200x200	9, 12, 15 m/min	1-3 kg
DG-2	160x160 / 240x240 / 320x320		3-20 kg

Technische Änderungen vorbehalten



FRIKTIONSROLLENBAHN

FRICITION ROLLER CONVEYORS

CONVOYEUR A ROULEAUX A FRICTION



Merkmale:

- Staurollenbahn mit außen liegenden, abgedeckten Friktionselementen (geeignet für Nassbereich)
- Werkstückdirekt-Transport mit Vulkan-Rollenbeschichtung:
Bsp.: - Zylinderkopf
- Motorenblock
- Bremsscheiben
- Kupplungsscheiben, usw.
- Behälter-Transporte im Bereich Waschmaschinen
- Werkstückträger-Transporte G bis 250 kg
- Geschwindigkeiten v- bis 10 m/min
- Vereinzeler, Stopper, Indexierstation, Weichen, Drehstationen, Flipper, Hubstationen, Speicherfunktion
- Neuentwicklungen:
- Automatische Friktionsabschaltung (Verschleißsicherung)
- Hochleistungsfriktion für v bis 15 m/min
- Angepasste Förderrollenausführung
- Vulkanbeschichtet
- Gekantete Rollen
- VA-Rollen
- Verschiedene Seitenführungssysteme
- Stützenkonstruktion mit:
- Alu-Profilen
- Stahlstützen
- Tropfwannen

Characteristics:

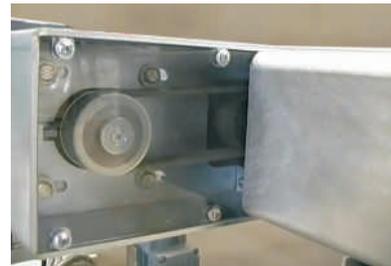
- Accumulator roller conveyor with outer covered friction elements (suitable for wet areas)
- Workpiece direct transport with vulcanised roller coating:
e.g.: - cylinder head
- engine block
- brake plates
- clutch plates etc.
- Container transport in area of washing machines
- Workpiece transport G up to 250 kg Belt
- Speeds v up to 10m per min.
- Separator, stopper, indexing station, points, turning stations, flippers, lifting stations, memory function
- New developments:
- Automatic friction shutoff (wear protection)
- High performance friction for V up to 15m per min.
- Customised conveyor roller design
- Vulcanised coating
- Bevelled rollers
- Stainless steel rollers
- Various side guidance systems
- Support construction with:
- Aluminium profiles
- Steel supports
- Drip trays

Caractéristiques:

- Convoyeur d'accumulation à rouleaux, éléments de friction recouverts (convient en atmosphère humide)
- Transport direct de pièces à usiner, avec enduction vulcanisée des rouleaux
Ex.: - tête cylindrique
- bloc moteur
- disques frein
- disques d'embrayage, etc.
- Transport de récipients dans le secteur des machines à laver
- Transport direct de platines transfert G max. 250 kg
- Vitesses v max. 10 m/min
- Butées, stoppeurs, stations d'indexation, aiguillages stations giratoires, centrage, levage, accumulation
- Innovations:
- Déconnexion automatique de la fricition (sécurité anti-usure)
- Friction haut rendement pour v max. 15 m/min
- Version adaptée des rouleaux
- Enduction vulcanisée
- Rouleaux chanfreinés
- Rouleaux inox
- Divers systèmes de rives
- Piètements avec:
- Profilés alu
- Pieds acier
- Egouttoirs

Anwendungen

Applications · Applications



Technische Änderungen vorbehalten

FRIKTIONSROLLENBAHN

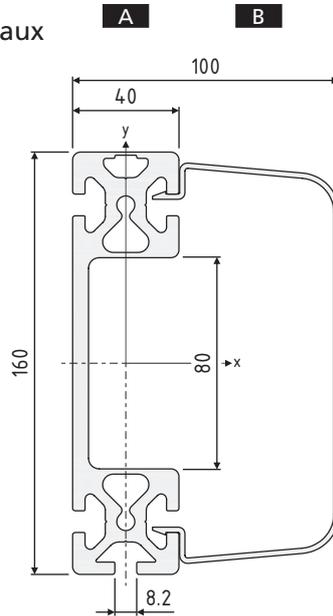
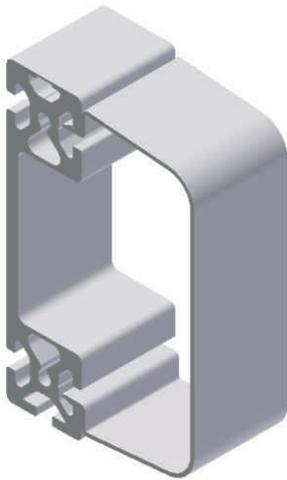
FRICITION ROLLER CONVEYORS

CONVOYEUR A ROULEAUX A FRICTION



Rollenbahnprofil

Roller conveyor profile ·
Profilé pour convoyeur à rouleaux



A



05.01936.00

M= 6,20 kg/m

PE (m)
6 / 12 / 24 / 36

B



05.01937.00

M= 6,20 kg/m

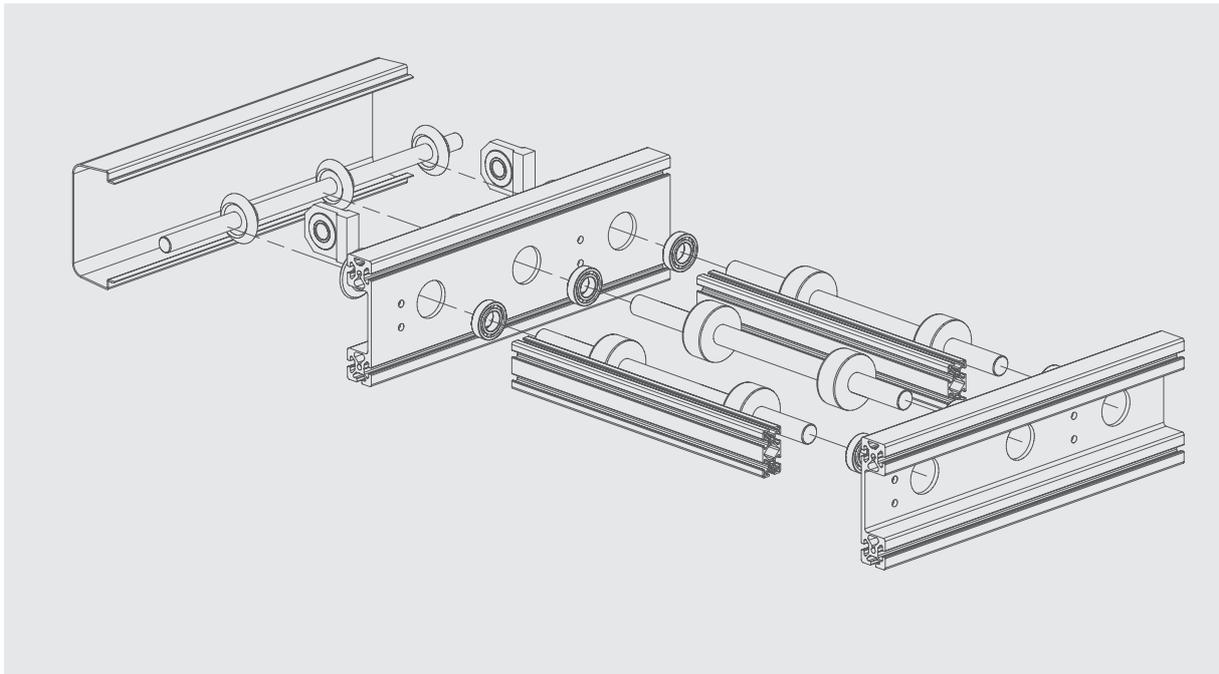
PE (m)
6 / 12 / 24 / 36

C



93.04869.00

Abdeckung
Cap
Cache



Technische Daten

Technical details · Caractéristiques techniques

Bahnbreite L Belt width Largeur de bande	Ø Rollen Ø Roller Ø Rouleau	Rollenteilung Roller pitch Entraxe rouleaux	Max. Bel. / Rolle Max. load per roller Charge max. / rouleau	Max. Stückgewicht Max. piece weight Poids unitaire max.
200-1200 mm	40 / 80	110 mm / 140 mm Sonder /Special/Spéciale	100 kg	300 kg

Technische Änderungen vorbehalten

13



STAUKETTENTRANSFER SK-4

ACCUMULATOR CHAIN TRANSFER SK-4

TRANSFERT A CHAINE D'ACCUMULATION SK-4



Merkmale:

- Werkstückträgersystem als Automatisierungsförderer
- Komplettsystem mit Vereinzeler, Stopper, Hub-Quertransport, Hubstation, Indexierstation, Drehstationen, usw.
- Sonderausführungen nach Aufgabenstellung
- Geeignet für Automatikumläufe
- Teilautomatische Umläufe
- Manuelle Schiebestrecken
- Für Wt's / Paletten / Behälter

Characteristics:

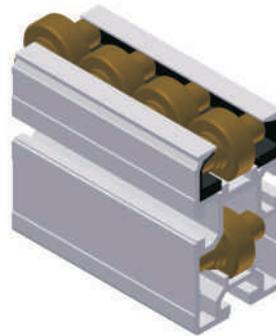
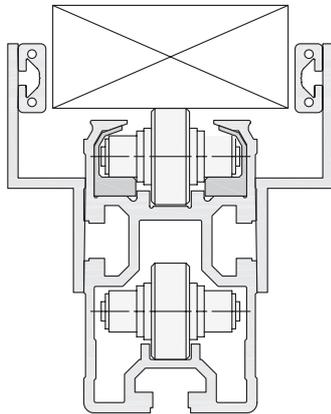
- Workpiece carrier transport system as Automatic conveyer
- Complete system with separator, stopper, lift/cross transport, lift station, indexing station, turning station etc.
- Special designs according to Requirements
- Suitable for automatic circuits
- Semiautomatic circuits
- Manual pusher tracks
- For WPC / pallets / containers

Caractéristiques:

- Système de platines transfert comme convoyeur d'automation
- Système complet avec butées, stoppeurs, levage et déplacement transversal, station de levage, station d'indexation, giratoires, etc
- Versions spéciales selon les exigences
- Adapté pour circuits automatisés
- Circuits semi-automatisés
- Tracés à poussée manuelle
- Pour platines transfert / palettes / récipients

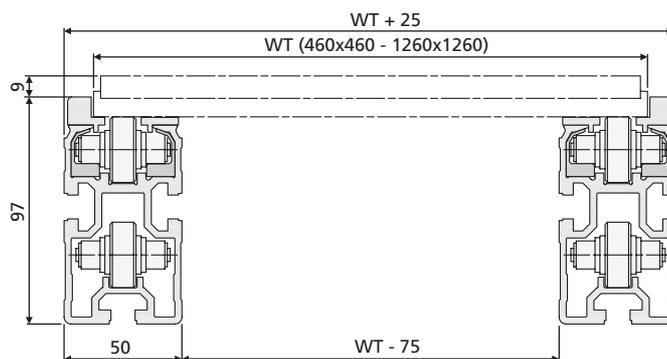
Anwendungen

Applications · Applications



Systemquerschnitt SK-4

System cross section SK-4 · Section du système SK-4



Technische Daten

Technical details · Caractéristiques techniques

Typ	Werkstückträger Workpiece carrier Palettes	Bandgeschwindigkeit Belt speed Vitesse	Nutzlasten Rated loads Charges utiles
SK-4	460 x 460 - 1.260 x 1.260 mm	6 - 12 m/min	25 - 160 kg

Technische Änderungen vorbehalten

ROLLENEINSATZ

ROLLER INSERT

ELEMENT A GALETS



Innovative Vorteile:

- Wirtschaftliche Lösung für manuelle Schiebetransporte.
- Schnelle und leichte Montage durch Einschnappkante.
- zulässige Last 15N pro Element
- Einsatz:
Streckenprofil SPR → ■ 13.01 und
Transferprofil DG-2 → ■ 13.13

Innovative advantages:

- Economic solution for manual slide transport
- Fast and easy assembly with snap-on edges
- Permitted load 15N per element
- Insert:
Line profile SPR → ■ 13.01 and
Transfer profile DG-2 → ■ 13.13

Atouts novateurs:

- Solution pour convoyage gravitaire
- Montage rapide et aisé par encliquetage
- Charge admissible 20 N par élément
- Application:
Profil galet SPR → ■ 13.01 et
Profilé transfert DG-2 → ■ 13.13

Ausführung

- PA, antistatisch, schwarz

Design

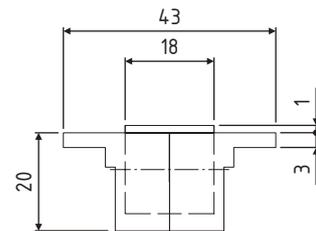
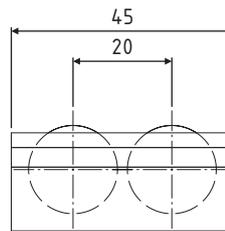
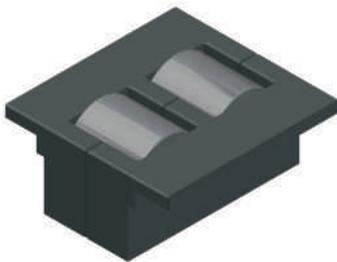
- PA antistatic, black

Version

- PA antistatique, noir

ohne Bord

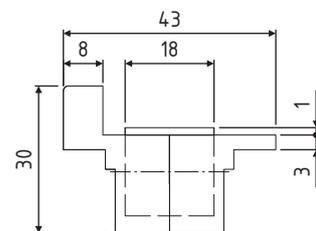
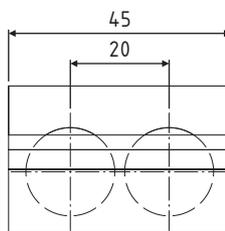
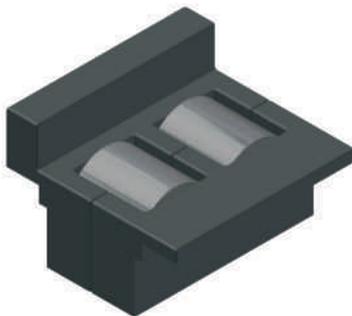
without board · sans épaulement



05.01191.00

mit Bord

with board · avec épaulement



05.01189.00

Technische Änderungen vorbehalten

13

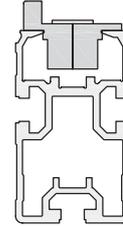
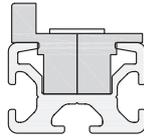
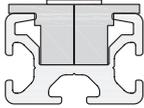


ROLLENEINSATZ ROLLER INSERT ELEMENT A GALETS



Anwendungen

Applications · Applications



WERKZEUGE UND VORRICHTUNGEN
TOOLS AND APPLIANCES
OUTILS ET DISPOSITIFS



20



■ 14.02

30



■ 14.03

40



■ 14.04

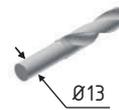
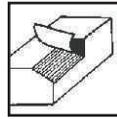
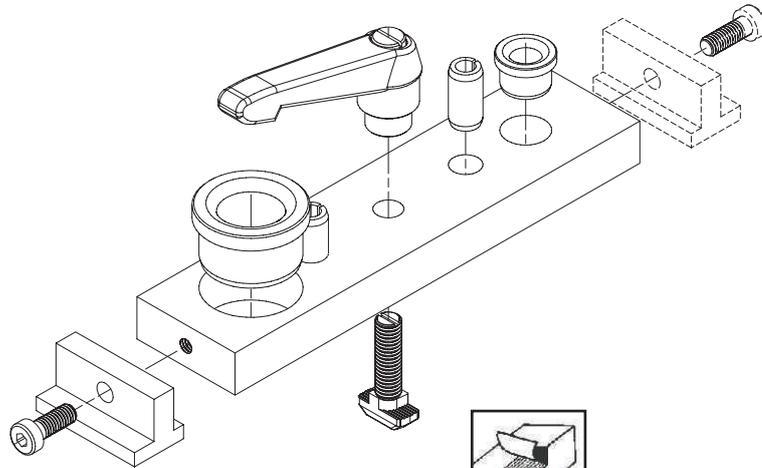
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■ 14.05



WERKZEUGE UND VORRICHTUNGEN
TOOLS AND APPLIANCES
OUTILS ET DISPOSITIFS

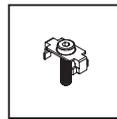


5-VSA-10

5-VSI-4.3



05.01793.00



➔ ■ 3.16



05.01794.00

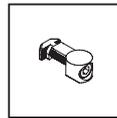


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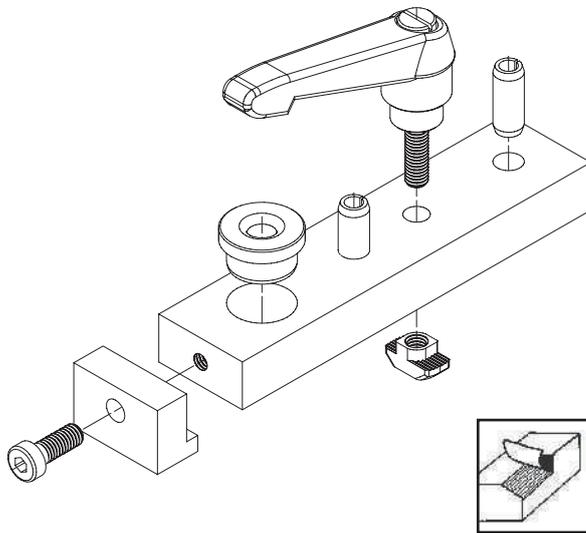


05.02171.00



➔ ■ 3.11

05.02190.00



8E-AGV-7.5				
	05.01274.00	 ➔ ■ 3.04	05.02181.00	
8E-GV-10.5				
	05.02162.00	 ➔ ■ 3.02	05.02178.00	
8E-BV-11				05.02360.00
	05.01390.00	 ➔ ■ 3.06		05.02361.00
8E-VS-14				05.02362.00
	05.01288.00	 ➔ ■ 3.16		05.02362.02
8E-UNI-16				05.02363.00
	05.02171.00	 ➔ ■ 3.11	05.02191.00	05.02191.02

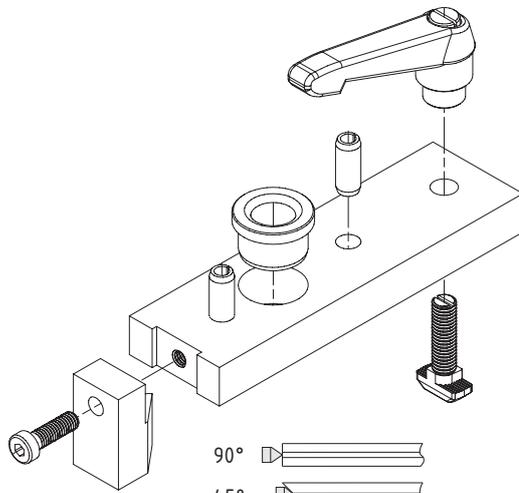


WERKZEUGE UND VORRICHTUNGEN
TOOLS AND APPLIANCES
OUTILS ET DISPOSITIFS

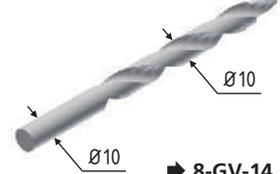


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8



Kernlochbohrer
 Drill bit
 Foret pour avant-trou



➔ 8-GV-14

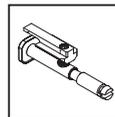
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8-AGV-7.5



05.02365.00



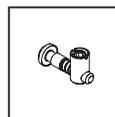
➔ ■ 3.04

05.02181.00

8-GV-14



05.02166.00



➔ ■ 3.02

05.02183.00

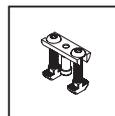
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8-BV-14



➔ 8-VS-14

05.02167.00



➔ ■ 3.06



05.02185.00

05.02185.02



05.02185.10

05.02185.12

8-VS-14



➔ 8-BV-14

05.02167.00



➔ ■ 3.16



05.02185.00

05.02185.02



05.02185.10

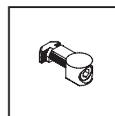
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8-UNI-20



➔ 10-UNI-20

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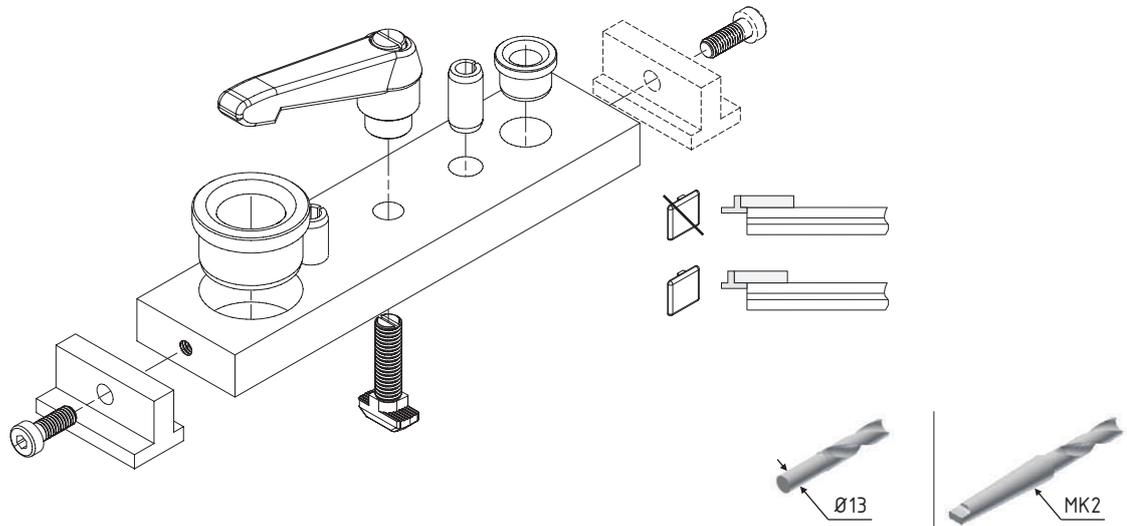


➔ ■ 3.11

05.02186.00

05.02186.02

Technische Änderungen vorbehalten



10-AGV-9.5	05.02366.00		05.02367.00	
		➔ ■ 3.04		
10-GV-16	05.02169.00		05.02187.00	05.02187.02
		➔ ■ 3.02		
10-BV-17	05.02170.00		05.02188.00	05.02188.02
		➔ ■ 3.06	05.02189.00	05.02189.02
10-VSA-20	05.02368.00		05.02369.00	05.02369.02
		➔ ■ 3.16	05.02370.00	05.02370.02
10-UNI-20	➔ 8-UNI-20 05.02168.00		05.02186.00	05.02186.02
		➔ ■ 3.11		



WERKZEUGE UND VORRICHTUNGEN
TOOLS AND APPLIANCES
OUTILS ET DISPOSITIFS



BESTELNUMMERN ÜBERSICHT
OVERVIEW PART NUMBERS
PANORAMA DES REFERENCES



05.01352.00

■ 3.02

■ 15.02

INDEX DEUTSCH
ENGLISH INDEX
INDEX FRANCAIS

D

■ 15.11

GB

■ 15.12

F

■ 15.13



BESTELLNUMMERN ÜBERSICHT

OVERVIEW OF ORDER NUMBERS

PANORAMA DES REFERENCES



02.00068.00	13.13	05.01010.00	2.69	05.01054.50	3.22	05.01104.00	3.23
03.00510.00	13.03	05.01011.00	2.69	05.01055.00	3.22	05.01104.50	3.23
03.00511.00	13.03	05.01012.00	2.60	05.01056.00	3.22	05.01105.00	3.23
03.00512.00	13.03	05.01013.00	2.58	05.01057.00	3.22	05.01106.00	3.23
03.00513.00	13.03	05.01014.00	2.60	05.01059.00	3.22	05.01106.50	3.23
03.00514.00	13.03	05.01015.00	2.69	05.01063.00	3.26	05.01107.00	3.23
03.00517.00	13.03	05.01016.00	2.70	05.01064.00	3.27	05.01107.50	3.23
03.00517.06	13.03	05.01017.00	2.70	05.01064.50	3.27	05.01108.00	4.03
03.00517.08	13.03	05.01018.00	2.70	05.01065.00	3.27	05.01108.05	4.03
03.00540.30	13.03	05.01019.00	2.71	05.01065.50	3.27	05.01109.00	4.03
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03.00540.50	13.03	05.01021.00	13.02	05.01066.50	3.27	05.01111.00	3.03
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03.00541.40	13.03	05.01024.00	11.21	05.01067.50	3.27	05.01113.00	3.03
03.00541.50	13.03	05.01025.00	2.13	05.01068.00	3.27	05.01114.00	2.45
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05.00791.10	9.03	05.01041.00	2.57	05.01092.00	3.28	05.01133.00	2.41
05.00793.10	9.03	05.01043.00	2.58	05.01092.01	3.28	05.01134.00	2.41
05.00796.00	9.03	05.01044.00	2.59	05.01093.00	3.26	05.01135.00	3.17
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05.01008.00	2.49	05.01053.50	3.22	05.01102.00	3.23	05.01144.10	4.06
05.01009.00	2.65	05.01054.00	3.22	05.01103.00	3.23	05.01146.00	7.11

Technische Änderungen vorbehalten

BESTELNUMMERN ÜBERSICHT

OVERVIEW OF ORDER NUMBERS

PANORAMA DES REFERENCES



05.01147.00	7.11	05.01197.10	7.02	05.01243.00	5.18	05.01284.00	3.07
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05.01148.10	4.07	05.01204.00	5.03	05.01246.00	5.20	05.01290.00	3.14
05.01150.00	2.84	05.01205.00	5.03	05.01247.00	5.20	05.01291.00	3.14
05.01152.00	4.06	05.01206.00	5.03	05.01248.00	5.17	05.01294.00	5.07
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05.01153.00	4.07	05.01210.00	5.17	05.01249.00	5.17	05.01296.00	5.07
05.01153.05	4.07	05.01211.00	5.17	05.01250.00	4.04	05.01297.00	5.07
05.01153.10	4.07	05.01212.00	5.17	05.01250.05	4.04	05.01298.00	5.07
05.01154.00	2.84	05.01213.00	5.17	05.01251.00	4.04	05.01299.00	5.07
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05.01157.00	4.08	05.01216.00	5.19	05.01252.05	4.04	05.01303.11	8.05
05.01158.00	4.08	05.01217.00	5.19	05.01253.00	3.14	05.01303.12	8.05
05.01159.00	4.08	05.01218.00	5.19	05.01254.00	3.14	05.01303.13	8.05
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05.01162.00	3.21	05.01219.00	5.19	05.01255.05	4.02	05.01304.40	8.36
05.01168.00	5.08	05.01220.00	5.19	05.01255.05	5.06	05.01304.45	8.36
05.01168.05	5.08	05.01221.00	3.28	05.01255.10	4.02	05.01305.40	8.36
05.01169.00	5.08	05.01222.00	4.02	05.01255.15	4.02	05.01305.45	8.36
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05.01174.00	5.09	05.01224.00	8.12	05.01260.00	9.10	05.01318.00	7.08
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05.01178.00	6.03	05.01226.00	5.06	05.01265.00	9.10	05.01324.00	7.08
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05.01183.00	6.02	05.01230.00	5.06	05.01271.00	3.03	05.01328.00	8.14
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05.01185.00	6.03	05.01236.00	5.03	05.01274.00	14.03	05.01328.02	8.14
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05.01191.00	13.17	05.01240.00	5.18	05.01278.00	9.10	05.01328.06	8.14
05.01192.00	6.07	05.01241.00	5.18	05.01282.00	3.07	05.01332.00	3.13
05.01193.00	6.07	05.01242.00	5.18	05.01283.00	3.07	05.01333.00	3.13



BESTELNUMMERN ÜBERSICHT

OVERVIEW OF ORDER NUMBERS

PANORAMA DES REFERENCES



05.01335.00	12.08	05.01386.00	5.19	05.01445.00	3.03	05.01488.00	5.02
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05.01337.00	12.09	05.01390.00	14.03	05.01452.00	5.03	05.01490.00	5.02
05.01338.00	12.09	05.01400.00	3.19	05.01453.00	5.03	05.01490.90	5.02
05.01339.00	12.09	05.01401.00	3.19	05.01454.00	5.03	05.01491.00	5.02
05.01340.00	12.09	05.01402.00	3.19	05.01455.00	5.03	05.01492.00	5.02
05.01341.00	12.08	05.01403.00	3.19	05.01456.00	5.03	05.01493.00	5.02
05.01345.00	6.03	05.01404.00	3.19	05.01457.00	5.03	05.01494.00	3.18
05.01346.00	5.05	05.01405.00	3.19	05.01458.00	5.03	05.01495.00	3.18
05.01347.00	5.05	05.01406.00	3.19	05.01459.00	5.03	05.01496.00	3.18
05.01351.00	3.03	05.01407.00	3.19	05.01460.00	5.03	05.01497.00	3.18
05.01352.00	3.03	05.01408.00	3.19	05.01461.00	5.03	05.01498.00	2.65
05.01353.00	3.03	05.01409.00	3.19	05.01462.00	5.03	05.01499.00	2.65
05.01354.00	3.03	05.01410.00	3.19	05.01463.00	5.03	05.01500.00	3.18
05.01355.00	3.03	05.01411.00	3.19	05.01464.00	5.04	05.01502.00	3.18
05.01356.00	3.03	05.01412.00	3.19	05.01465.00	5.03	05.01503.00	3.16
05.01357.00	3.03	05.01413.00	3.19	05.01466.00	5.03	05.01504.00	3.18
05.01357.50	3.03	05.01414.00	3.19	05.01467.00	5.03	05.01505.00	3.18
05.01358.00	3.03	05.01415.00	3.19	05.01468.00	5.04	05.01506.00	3.18
05.01359.00	3.03	05.01417.00	3.19	05.01469.10	3.25	05.01507.00	3.18
05.01359.50	3.03	05.01418.00	3.19	05.01470.10	3.25	05.01508.00	3.18
05.01360.00	3.03	05.01419.00	3.16	05.01471.10	3.25	05.01509.00	3.18
05.01360.50	3.03	05.01420.00	3.30	05.01472.10	3.25	05.01510.00	8.21
05.01361.00	3.03	05.01421.00	3.30	05.01474.00	3.18	05.01511.00	8.21
05.01362.00	3.17	05.01422.00	3.30	05.01475.00	4.14	05.01512.00	8.21
05.01363.00	3.17	05.01423.00	3.30	05.01475.05	4.14	05.01513.00	2.23
05.01364.00	3.17	05.01424.00	3.30	05.01475.06	4.14	05.01514.00	2.24
05.01365.00	3.17	05.01425.00	3.19	05.01475.07	4.14	05.01517.00	2.57
05.01366.00	3.17	05.01426.00	3.19	05.01475.50	4.14	05.01518.00	2.58
05.01367.00	3.17	05.01427.00	3.19	05.01476.00	4.14	05.01520.00	5.20
05.01368.00	3.16	05.01428.00	3.19	05.01476.05	4.14	05.01521.00	5.20
05.01369.00	3.17	05.01429.00	3.19	05.01476.06	4.14	05.01522.00	5.20
05.01369.00	3.29	05.01430.00	3.19	05.01476.07	4.14	05.01523.00	3.18
05.01370.00	3.29	05.01431.00	3.19	05.01476.50	4.14	05.01524.00	5.21
05.01371.00	3.29	05.01432.00	3.19	05.01478.00	2.84	05.01525.00	5.21
05.01373.00	3.29	05.01433.00	3.19	05.01480.00	5.02	05.01526.00	5.21
05.01374.00	3.29	05.01434.00	3.19	05.01480.90	5.02	05.01527.00	5.21
05.01375.00	3.29	05.01435.00	3.19	05.01481.00	5.02	05.01528.00	9.10
05.01376.00	3.29	05.01436.00	3.19	05.01482.00	5.02	05.01529.00	5.21
05.01377.00	3.29	05.01437.00	3.19	05.01483.00	5.02	05.01530.00	9.10
05.01380.00	5.19	05.01438.00	3.19	05.01484.00	5.02	05.01531.00	9.10
05.01381.00	5.19	05.01439.00	3.19	05.01484.90	5.02	05.01539.00	5.21
05.01382.00	5.19	05.01441.00	3.19	05.01485.00	5.02	05.01556.00	3.03
05.01383.00	5.19	05.01442.00	3.19	05.01486.00	5.02	05.01556.50	3.03
05.01384.00	5.19	05.01443.00	3.19	05.01487.00	5.02	05.01557.00	3.03

Technische Änderungen vorbehalten

BESTELNUMMERN ÜBERSICHT

OVERVIEW OF ORDER NUMBERS

PANORAMA DES REFERENCES



05.01560.00	3.16	05.01625.00	5.02	05.01672.05	8.13	05.01709.00	2.52
05.01561.00	3.16	05.01625.90	5.02	05.01672.06	8.13	05.01710.00	2.52
05.01562.00	3.16	05.01626.00	5.02	05.01672.07	8.13	05.01711.00	8.30
05.01563.00	3.16	05.01627.00	5.02	05.01673.00	8.13	05.01714.00	12.05
05.01565.00	4.14	05.01628.00	5.02	05.01673.05	8.13	05.01715.00	12.05
05.01565.50	4.14	05.01629.05	8.02	05.01673.06	8.13	05.01716.00	12.05
05.01568.00	3.21	05.01630.05	8.02	05.01673.07	8.13	05.01719.00	6.06
05.01569.00	3.21	05.01632.00	8.09	05.01674.00	8.13	05.01720.00	6.03
05.01570.00	3.20	05.01634.00	8.09	05.01674.05	8.13	05.01721.00	6.03
05.01571.00	3.20	05.01638.00	6.08	05.01674.06	8.13	05.01722.00	6.03
05.01572.00	3.21	05.01639.00	8.04	05.01674.07	8.13	05.01723.00	6.03
05.01574.00	4.10	05.01640.00	3.10	05.01678.00	3.07	05.01724.00	6.02
05.01575.00	4.10	05.01641.00	3.10	05.01679.00	3.07	05.01725.00	6.02
05.01576.00	4.10	05.01642.00	3.10	05.01680.00	3.09	05.01726.00	6.02
05.01577.00	4.10	05.01643.00	3.10	05.01680.20	3.09	05.01727.00	6.02
05.01578.00	4.11	05.01644.00	3.11	05.01681.00	5.18	05.01728.00	6.02
05.01579.00	4.11	05.01644.50	3.11	05.01682.00	3.09	05.01732.00	8.09
05.01582.00	5.24	05.01648.00	5.04	05.01682.02	3.09	05.01733.00	8.09
05.01583.00	5.24	05.01649.00	3.18	05.01682.20	3.09	05.01734.05	6.05
05.01584.00	5.24	05.01650.00	8.19	05.01682.22	3.09	05.01735.05	6.05
05.01585.00	3.03	05.01651.00	8.19	05.01683.00	3.09	05.01736.05	6.05
05.01586.00	3.03	05.01651.11	8.19	05.01683.20	3.09	05.01737.05	6.05
05.01587.00	6.02	05.01651.12	8.19	05.01685.00	5.07	05.01739.00	6.03
05.01588.00	6.02	05.01651.13	8.19	05.01686.00	5.07	05.01740.00	6.02
05.01589.00	6.02	05.01652.00	3.26	05.01687.00	5.07	05.01741.00	6.02
05.01596.00	3.03	05.01652.50	3.26	05.01688.00	5.07	05.01742.00	6.02
05.01597.00	3.03	05.01653.00	3.26	05.01689.00	3.09	05.01743.00	6.02
05.01598.00	3.03	05.01653.50	3.26	05.01689.02	3.09	05.01744.00	6.02
05.01599.00	8.29	05.01654.00	3.26	05.01689.20	3.09	05.01745.00	6.02
05.01600.00	8.32	05.01654.50	3.26	05.01689.22	3.09	05.01747.00	6.02
05.01605.00	2.09	05.01655.00	3.25	05.01690.00	6.06	05.01747.10	6.02
05.01606.00	2.09	05.01656.00	3.25	05.01691.00	6.06	05.01748.00	6.02
05.01607.00	2.09	05.01660.00	3.23	05.01694.05	8.03	05.01748.10	6.02
05.01608.00	3.11	05.01661.00	3.23	05.01695.00	5.06	05.01749.00	8.30
05.01609.00	3.11	05.01662.00	3.23	05.01696.00	5.06	05.01754.30	13.07
05.01609.50	3.11	05.01665.00	8.12	05.01697.00	5.06	05.01754.40	13.07
05.01610.00	3.11	05.01667.00	8.13	05.01698.00	7.02	05.01754.50	13.07
05.01610.50	3.11	05.01668.00	8.13	05.01699.00	3.09	05.01758.00	3.18
05.01618.00	3.16	05.01669.00	8.13	05.01699.20	3.09	05.01760.00	3.09
05.01619.00	3.16	05.01670.00	8.13	05.01700.00	2.75	05.01760.20	3.09
05.01620.00	3.18	05.01671.00	8.13	05.01702.00	2.75	05.01762.00	3.09
05.01621.00	3.18	05.01671.05	8.13	05.01703.00	2.75	05.01762.02	3.09
05.01622.00	6.08	05.01671.06	8.13	05.01705.00	2.79	05.01762.20	3.09
05.01623.00	6.08	05.01671.07	8.13	05.01706.00	2.79	05.01762.22	3.09
05.01624.00	6.08	05.01672.00	8.13	05.01707.00	2.79	05.01764.00	3.09



BESTELLNUMMERN ÜBERSICHT

OVERVIEW OF ORDER NUMBERS

PANORAMA DES REFERENCES



05.01764.20	3.09	05.01824.00	2.35	05.01857.07	4.13	05.01915.00	2.13
05.01766.00	3.09	05.01826.00	5.06	05.01857.20	4.13	05.01916.00	2.13
05.01766.20	3.09	05.01827.00	5.06	05.01857.50	4.13	05.01919.00	2.15
05.01768.00	3.09	05.01828.00	5.06	05.01859.00	7.03	05.01921.00	2.15
05.01768.20	3.09	05.01829.00	5.06	05.01865.00	7.03	05.01922.00	2.15
05.01769.00	3.09	05.01830.00	7.03	05.01866.00	2.36	05.01923.00	2.13
05.01769.02	3.09	05.01831.00	7.03	05.01867.00	2.36	05.01924.00	2.14
05.01769.20	3.09	05.01832.00	7.03	05.01868.00	2.36	05.01925.00	2.13
05.01769.22	3.09	05.01833.00	7.03	05.01869.00	2.36	05.01926.00	2.19
05.01770.00	3.09	05.01836.00	7.03	05.01870.00	5.04	05.01927.00	2.19
05.01770.20	3.09	05.01837.00	7.03	05.01871.00	3.25	05.01931.00	2.34
05.01772.00	3.09	05.01838.00	7.08	05.01872.00	3.25	05.01932.00	2.34
05.01772.20	3.09	05.01839.00	7.09	05.01874.00	7.07	05.01936.00	13.15
05.01773.00	6.02	05.01840.00	3.24	05.01874.50	7.07	05.01937.00	13.15
05.01774.00	6.03	05.01841.00	3.24	05.01874.51	7.07	05.01940.00	2.37
05.01775.00	6.04	05.01842.00	3.24	05.01875.00	7.06	05.01942.00	2.37
05.01776.00	6.04	05.01843.00	3.24	05.01879.00	12.08	05.01943.00	2.32
05.01777.00	6.04	05.01844.00	5.06	05.01880.00	12.07	05.01946.00	2.37
05.01778.00	6.04	05.01845.00	5.06	05.01881.00	12.07	05.01947.00	2.37
05.01779.00	6.04	05.01846.00	5.06	05.01882.00	12.07	05.01948.00	8.36
05.01779.00	6.03	05.01847.00	7.03	05.01884.00	12.08	05.01949.00	8.36
05.01780.00	3.04	05.01848.00	7.03	05.01885.00	3.28	05.01964.00	7.02
05.01781.10	3.04	05.01850.00	7.05	05.01885.10	3.28	05.01965.00	7.02
05.01782.10	3.04	05.01851.00	7.05	05.01886.00	3.28	05.01971.00	2.83
05.01785.00	6.02	05.01852.00	4.12	05.01886.10	3.28	05.01975.00	5.18
05.01786.00	6.02	05.01852.50	4.12	05.01887.00	3.28	05.01976.00	5.18
05.01787.00	6.02	05.01853.00	4.12	05.01887.10	3.28	05.01977.00	5.18
05.01788.00	6.04	05.01853.50	4.12	05.01888.00	3.28	05.01978.00	5.18
05.01789.00	6.04	05.01854.00	4.13	05.01888.10	3.28	05.01979.00	5.18
05.01790.00	6.04	05.01854.50	4.13	05.01889.00	3.28	05.01980.00	4.05
05.01791.00	6.04	05.01855.00	4.12	05.01890.00	12.06	05.01980.05	4.05
05.01792.00	6.04	05.01855.05	4.12	05.01891.00	12.06	05.01981.00	4.05
05.01793.00	14.02	05.01855.06	4.12	05.01892.00	12.06	05.01981.05	4.05
05.01794.00	14.02	05.01855.07	4.12	05.01895.00	12.06	05.01982.00	4.05
05.01794.10	14.02	05.01855.20	4.12	05.01895.05	12.06	05.01982.05	4.05
05.01805.00	2.06	05.01855.50	4.12	05.01896.00	12.08	05.01985.00	4.05
05.01806.00	2.05	05.01856.00	4.12	05.01897.00	12.07	05.01986.00	4.05
05.01807.00	8.11	05.01856.05	4.12	05.01898.00	12.07	05.01987.00	4.05
05.01813.00	2.05	05.01856.06	4.12	05.01899.00	12.09	05.01997.00	5.18
05.01814.00	2.50	05.01856.07	4.12	05.01900.00	2.57	05.01998.00	5.18
05.01817.00	2.51	05.01856.20	4.12	05.01901.00	2.57	05.01999.00	5.18
05.01818.00	2.51	05.01856.50	4.12	05.01902.00	2.57	05.02014.20	11.10
05.01819.00	2.33	05.01857.00	4.13	05.01903.00	2.57	05.02014.40	11.10
05.01820.00	2.33	05.01857.05	4.13	05.01904.00	2.58	05.02022.00	11.05
05.01823.00	2.35	05.01857.06	4.13	05.01910.00	2.61	05.02023.00	11.05

Technische Änderungen vorbehalten

BESTELNUMMERN ÜBERSICHT

OVERVIEW OF ORDER NUMBERS

PANORAMA DES REFERENCES



05.02024.00	11.05	05.02070.00	7.04	05.02142.00	3.22	05.02189.02	14.05
05.02025.00	9.06	05.02071.00	7.04	05.02142.50	3.22	05.02190.00	14.02
05.02026.00	9.06	05.02072.00	7.04	05.02144.00	5.20	05.02191.00	14.03
05.02027.00	9.06	05.02073.00	3.20	05.02145.00	5.20	05.02191.02	14.03
05.02028.00	9.06	05.02074.00	3.20	05.02146.00	3.12	05.02192.00	7.06
05.02029.00	9.07	05.02075.00	7.04	05.02146.10	3.12	05.02193.00	7.06
05.02031.00	11.05	05.02085.00	8.23	05.02147.00	3.12	05.02194.00	7.06
05.02032.00	3.21	05.02086.00	8.23	05.02147.10	3.12	05.02195.00	7.08
05.02032.00	11.10	05.02087.20	11.11	05.02147.20	3.12	05.02196.00	7.08
05.02032.10	11.10	05.02087.40	11.111	05.02148.00	5.20	05.02197.00	7.08
05.02033.00	3.20	05.02088.00	11.20	05.02149.00	5.20	05.02198.00	11.25
05.02033.00	11.10	05.02090.00	11.20	05.02150.00	3.03	05.02198.05	11.25
05.02033.10	11.10	05.02091.00	11.20	05.02152.00	8.09	05.02199.00	5.10
05.02033.20	11.10	05.02092.00	11.20	05.02153.00	8.09	05.02199.05	5.10
05.02033.30	11.10	05.02093.00	11.20	05.02154.00	8.09	05.02199.10	5.10
05.02034.00	11.12	05.02094.00	11.22	05.02155.00	8.09	05.02199.15	5.10
05.02034.10	11.12	05.02094.01	11.22	05.02156.00	9.09	05.02200.00	5.11
05.02034.20	11.12	05.02095.00	11.22	05.02157.00	9.09	05.02200.05	5.11
05.02034.30	11.12	05.02095.01	11.22	05.02158.00	9.09	05.02200.10	5.11
05.02038.00	5.13	05.02097.00	11.22	05.02159.00	9.09	05.02200.15	5.11
05.02038.05	5.13	05.02097.01	11.22	05.02160.00	9.09	05.02214.00	9.06
05.02039.00	11.13	05.02100.00	3.07	05.02162.00	14.03	05.02215.00	9.07
05.02039.10	11.13	05.02100.50	3.07	05.02166.00	14.04	05.02216.00	9.06
05.02040.00	5.12	05.02101.00	3.07	05.02167.00	14.04	05.02217.00	9.07
05.02041.00	5.12	05.02101.50	3.07	05.02168.00	14.04	05.02218.00	9.07
05.02042.00	5.12	05.02102.00	3.07	05.02169.00	14.05	05.02219.00	9.08
05.02042.05	5.12	05.02102.50	3.07	05.02170.00	14.05	05.02219.10	9.08
05.02043.00	5.12	05.02103.00	3.07	05.02171.00	14.03	05.02222.00	9.08
05.02043.05	5.12	05.02104.00	3.07	05.02178.00	14.03	05.02222.10	9.08
05.02050.00	8.20	05.02105.00	3.07	05.02181.00	14.03	05.02223.00	9.08
05.02051.00	8.20	05.02108.00	8.09	05.02181.00	14.04	05.02224.00	9.08
05.02052.00	8.20	05.02109.00	8.09	05.02183.00	14.04	05.02225.00	5.10
05.02053.00	8.20	05.02127.00	3.05	05.02183.02	14.04	05.02225.05	5.10
05.02056.00	8.09	05.02128.00	3.05	05.02184.00	14.04	05.02225.06	5.10
05.02057.00	8.09	05.02129.00	3.05	05.02185.00	14.04	05.02225.10	5.10
05.02060.00	8.22	05.02130.00	12.02	05.02185.02	14.04	05.02225.15	5.10
05.02061.00	8.22	05.02131.00	12.02	05.02185.10	14.04	05.02225.16	5.10
05.02062.00	8.22	05.02134.00	12.02	05.02185.12	14.04	05.02226.00	5.11
05.02063.00	8.22	05.02135.00	12.02	05.02186.00	14.04	05.02226.05	5.11
05.02064.00	8.22	05.02136.00	12.03	05.02186.02	14.04	05.02226.06	5.11
05.02065.00	8.22	05.02137.00	12.03	05.02187.00	14.05	05.02226.10	5.11
05.02066.00	8.22	05.02138.00	12.03	05.02187.02	14.05	05.02226.15	5.11
05.02067.00	7.04	05.02140.00	3.22	05.02188.00	14.05	05.02226.16	5.11
05.02068.00	7.04	05.02141.00	3.22	05.02188.02	14.05	05.02227.00	5.11
05.02069.00	7.04	05.02141.50	3.22	05.02189.00	14.05	05.02227.05	5.11



BESTELNUMMERN ÜBERSICHT

OVERVIEW OF ORDER NUMBERS

PANORAMA DES REFERENCES



05.02227.10	5.11	05.02281.05	11.24	05.02326.00	8.27	05.02357.02	14.02
05.02227.15	5.11	05.02282.05	11.23	05.02327.00	8.27	05.02358.00	14.02
05.02228.00	5.11	05.02283.00	11.23	05.02328.00	8.27	05.02358.00	3.18
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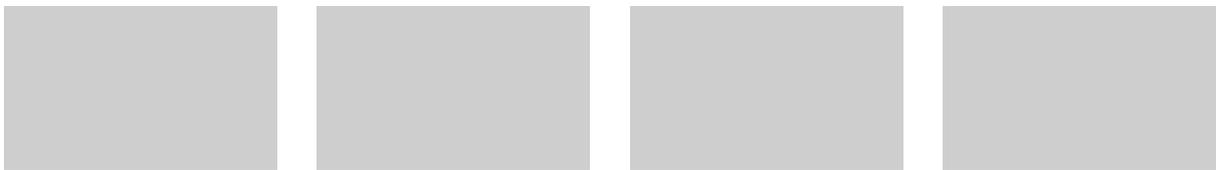
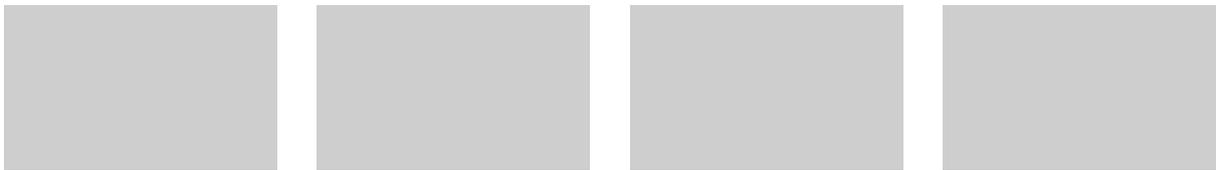
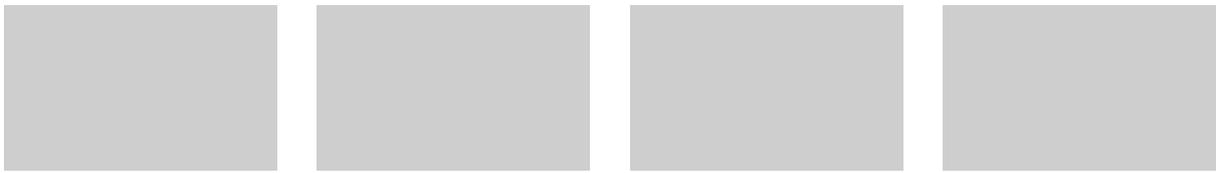
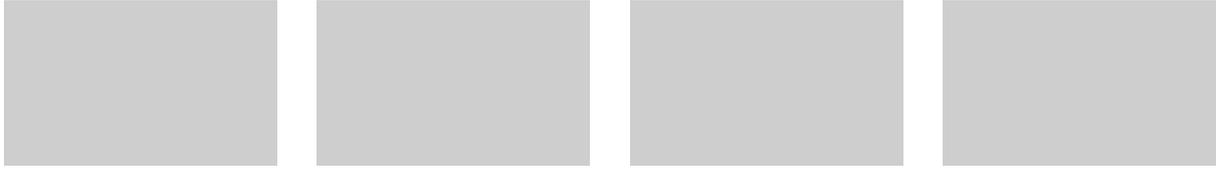
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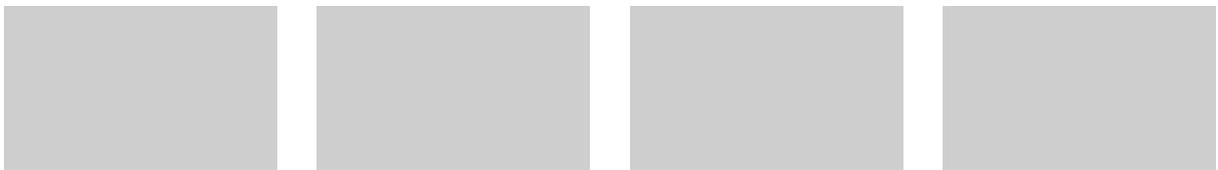
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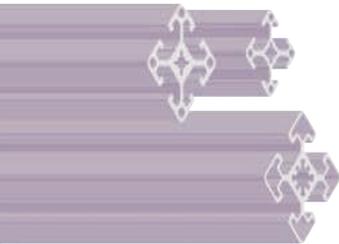
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GV Automatique	3.04	Profilés d'isolement	7.04		

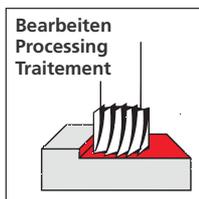
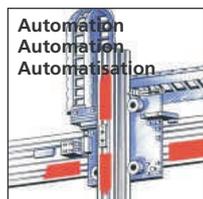
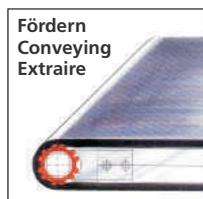
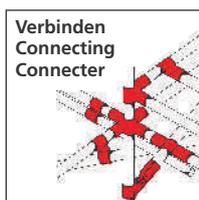
NOTIZEN
NOTES
NOTATIONS





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BRIEFING



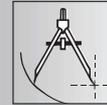
INFORMATION
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INFORMATION



PLANUNG
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PLANIFICATION



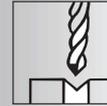
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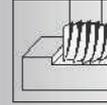
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PRODUCTION



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