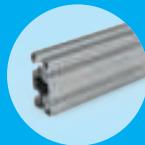




Modular System

Profiles



Joining Elements



Accessories



Roller Rails



Pipework System



www.lipro.pro





Modularni Sistem Modular System Sisitema strutturale Modularity system



Modularni Sistem

Pri izdelavi modularnih sistemov predstavljajo danes aluminijasti profili enega najbolj ekonomičnih in fleksibilnih programov. Z uporabo teh profilov lahko zblížate montažo in načrtovanje, torej tako kot konstruktor sestavlja konstrukcije iz profilov, veznih elementov in številnih dodatkov v ponudbi podjetja LIPRO, na isti način tudi monter sestavi načrtovane konstrukcije.

Z modularnim sistemom sestavljene konstrukcije tako ni potrebno variti kot tudi ne barvati. Morebitne nadaljnje spremembe so glede na njihovo enostavno razstavljanje hitro izvedljive. Ostanek materiala je mogoče ponovno uporabiti. LIPRO nudi svojim kupcem sodoben center razreza in sestave.



Modular System

Today, aluminium profiles are the most economical and flexible way for producing structures. By using our profiles, it is possible to combine assembling and planning - as the designer plans a structure, using the profiles and various accessories supplied by LIPRO, so does the fitter put them together as planned and designed.

Welding and painting are not required during the construction with the structural profile system.

All the constructions can be easily modified thanks to the possibility of reusing the material already used once before. Moreover, LIPRO offers to its customers the use of a well-equipped cutting and assembling centre.



Sistema strutturale

Per realizzare strutture di varia natura, i profili di alluminio rappresentano il sistema più economico e flessibile attualmente a disposizione. L'uso di questi profili permette di avvicinare il lavoro di montaggio a quello di progettazione, infatti, così come il progettista compone le strutture servendosi dei profili e dei numerosi accessori offerti dalla LIPRO, anche il montatore compone la struttura nello stesso modo con cui è stata progettata.

La costruzione con il sistema dei profili strutturali non richiede l'impiego di saldatura e verniciatura. Le realizzazioni possono essere facilmente modificate recuperando il materiale impiegato. La LIPRO mette inoltre a disposizione ai clienti un attrezzato centro di taglio e montaggio.



Modularsystem

Aluminiumprofile gelten heutzutage als wirtschaftlichste und flexibelste Lösung bei der Herstellung modularer Systeme. Die Verwendung von Aluminiumprofilen ermöglicht Ihnen die Planung und Fertigstellung Ihrer Projekte mit höchster Effizienz, denn auf die gleiche Weise wie der Konstrukteur aus Profilen, Verbindungsteilen und zahlreichen anderen Komponenten aus dem LIPRO-Angebot Konstruktionen zusammenstellt, baut der Monteur die geplanten Konstruktionen zusammen.

Die mit dem modularen System aufgestellten Konstruktionen müssen weder verschweißt noch mit Farbe versehen werden. Bei eventuellen Umbauten können Sie die Änderungen einfach und schnell ausführen und sämtliche Komponenten wiederverwenden. LIPRO bietet seinen Kunden ein modernes Zuschnitts - und Montagezentrum.



LIPRO PREDSTAVITEV

“Sistemske rešitve LIPRO ponujajo dodano vrednost in omogočajo visoko produktivnost, fleksibilnost in optimizacijo delovnih procesov.”

Podjetje LIPRO je bilo ustanovljeno l. 1998 in je od tedaj prisotno na slovenskem, evropskem in svetovnem trgu. Kakovostna podpora cenjenim poslovnim partnerjem je podjetju LIPRO omogočila razvoj v prepoznavno in dobro organizirano podjetje avtomatizacije proizvodnje.

ABOUT LIPRO

“LIPRO customized system solutions offer added value and enable high productivity, flexibility and optimization of industrial processes.”

LIPRO has been present on the Slovene, European and world markets since its foundation in 1998. The high-quality support provided to business partners has allowed LIPRO to become a recognizable and well-organized company in the field of production automation.

Poenostavljamo, izboljšujemo...
We simplify and improve...
Semplifichiamo e miglioriamo ...
Wir vereinfachen und verbessern ...



AZIENDA

"Le soluzioni personalizzate per i sistemi della LIPRO offrono un valore aggiunto e permettono un'alta produttività, flessibilità e l'ottimizzazione dei sistemi produttivi."

L'azienda LIPRO è presente sul mercato sloveno, europeo e mondiale sin dalla sua fondazione nel 1998. Grazie ad un'ottima collaborazione con i soci la LIPRO si è sviluppata fino a diventare un'azienda ben organizzata e riconoscibile nei settori dell'automazione e della produzione.

ÜBER LIPRO

"LIPRO Systemlösungen bieten einen Mehrwert und ermöglichen eine hohe Produktivität, Flexibilität und Optimierung von Arbeitsprozessen."

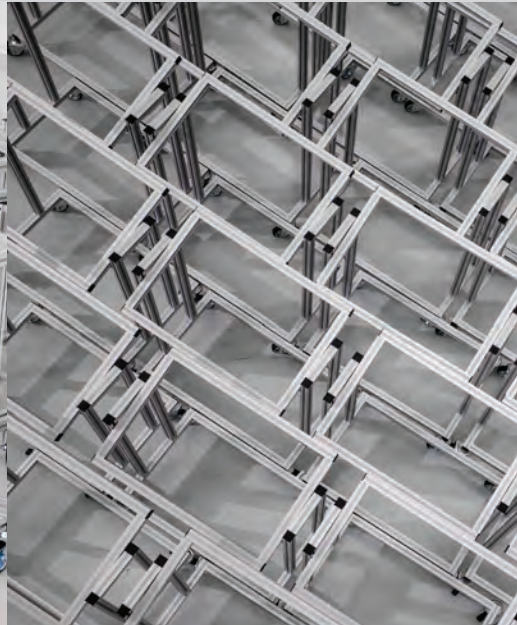
Das Unternehmen LIPRO wurde im Jahr 1998 gegründet und ist seitdem auf dem slowenischen, dem europäischen als auch auf weiteren internationalen Märkten tätig. Die hochwertige Unterstützung für die geschätzten Geschäftspartner hat es dem Unternehmen LIPRO ermöglicht, sich in ein bekanntes und gut organisiertes Unternehmen im Bereich der Produktionsautomatisierung zu entwickeln.

CEO
Albert Pribac, ing.



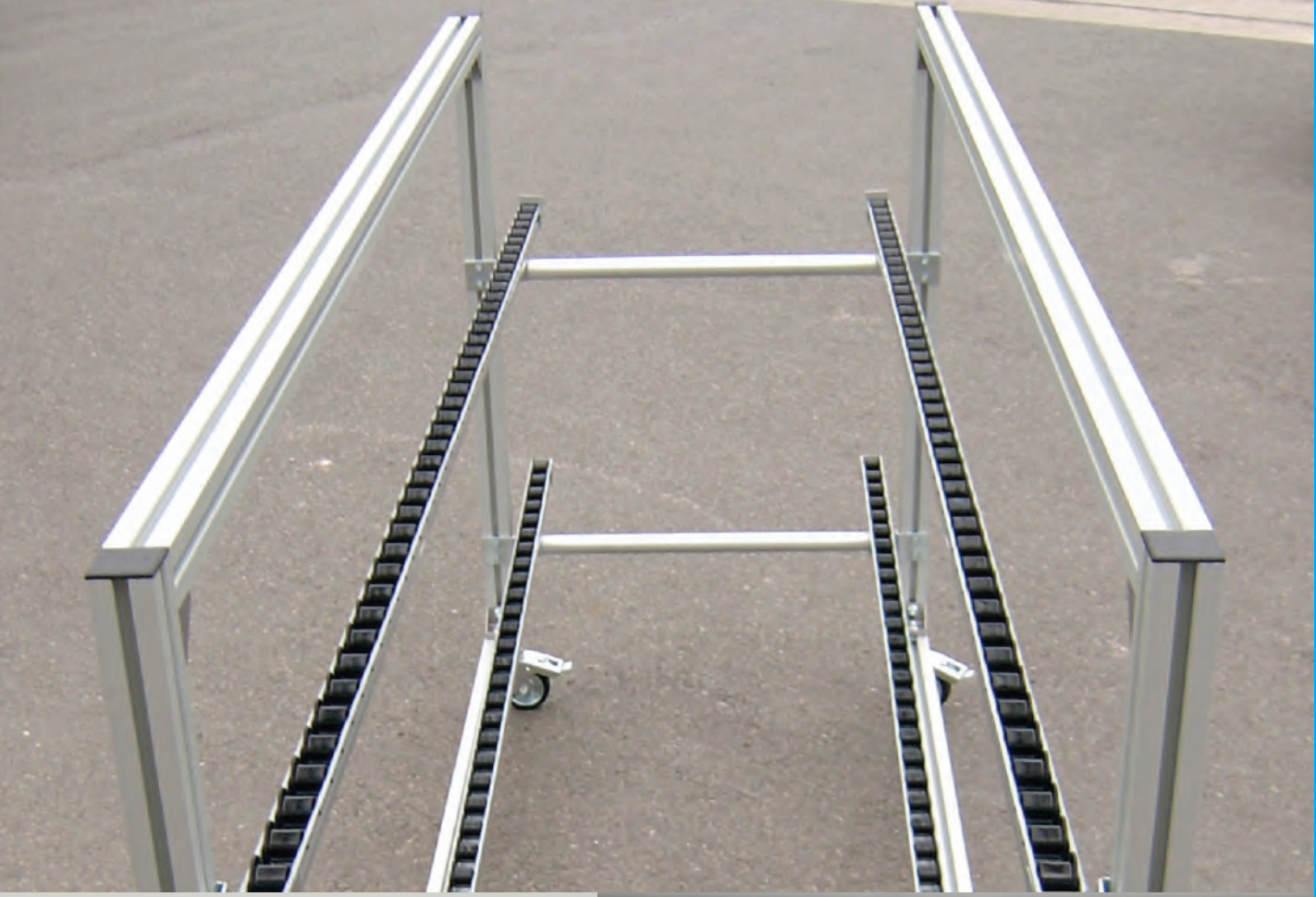













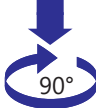











 	Simboli Symbols	 	Simboli Symbole
 	Širina utora na profilu Width of the profile slot Larghezza della cava sul profilo Profil-Nutbreite		 Pocinkano jeklo Galvanized steel Acciaio zincato Stahl-verzinkt
 	Širina utora na profilu Width of the profile slot Larghezza della cava sul profilo Profil-Nutbreite		 Izdelek iz medenine-nikljano Nickel plated brass Prodotto in ottone-nichelato Produkte aus Messing-vernickelt
 	Širina utora na profilu Width of the profile slot Larghezza della cava sul profilo Profil-Nutbreite		 Aluminijeva zlitina-eloksirano Die-cast aluminium-anodized Alluminio pressofuso-anodizzato Aluminiumdruckguss-eloxiert
	Širina utora na profilu Width of the profile slot Larghezza della cava sul profilo Profil-Nutbreite		 Aluminijeva zlitina Die-cast aluminium Alluminio pressofuso Aluminiumdruckguss
	Izvedba profila za manjše obremenitve Profile version for lower loads Versione profilo per impieghi leggeri Profil-Version für leichte Belastungen		 Poliamid 6 Polyamide 6 Poliammide 6 Polyamid 6
	Izvedba profila za večje obremenitve Profile version for higher loads Versione profilo per impieghi pesanti Profil-Version für grössere Belastungen		 Poliamid 6 s steklenimi vlakni Fiberglass reinforced polyamide 6 Poliammide 6 con fibra di vetro Polyamid 6 verstärkt mit Fiberglass
	Izvedba profila z radiusom Profile version with radius Versione profilo raggiato Profil-Version mit Radius		 Polietilen Polyethylene Polietilene Polyethylen
	Enostransko zaprt profil Profile with one closed slot (side) Profilo unilateralmente chiuso Einseitig geschlossenes Profil		 Polipropilen Polypropylene Polipropilene Polypropylen
	Dvostransko zaprt profil Profile with two closed slots (sides) Profilo bilateralmente chiuso Zweiseitig geschlossenes Profil		 Polipropilen + termoplastični elastomer Polypropylene + thermoplastic elastomer Polipropilene + Polimero termoplastico Polypropylen + Thermoplastisches Elastomer
  	Predvideno za valjanje navojev Holes ready for thread rolling Predisposto per rullatura filetti Vorausgesehen für gerollte Gewinde		 Termoplastični elastomer Thermoplastic elastomer Elastomero termoplastico Thermoplastisches Elastomer
 	Možnost valjanja navojev Thread rolling possibilities Possibile per rullatura filetti Möglichkeit für gerollte Gewinde		 Nitrilna guma Nitrile rubber Gomma al nitrile Nitrilkautschuk
	Jeklo Steel Acciaio Stahl		 Protizdrsna guma Anti-slip rubber Gomma antiscivolo Anti-Rutsch-Gummi
	Nerjaveče jeklo Stainless Steel Acciaio inox Inox Stahl		 ESD-Material antistatik ESD-Antistatic material ESD-Materiale antistatico ESD-Antistatisches Material
	Cinkova zlitina Zinc die-cast Zinco pressofuso Zinkdruckguss		 Moment Tightening torque Coppia Drehmoment

	Simboli		Simboli
	Symbols		Symbole
	Imbus ključ Hex key Chiave a brugola Innensechskant		
	Element vstavimo v utor na skrajnih koncih profila The element is inserted at the extremes of the profile L'elemento va inserito nella cava alle estremità del profilo Das Element wird am äussersten Rand des Profils eingeschoben		
	Element vstavimo kjerkoli v utor profila The element is inserted anywhere along the profile L'elemento va inserito ovunque nella cava del profilo Das Element wird irgendwo entlang des Profils eingeschoben		
	Element vstavimo kjerkoli v utor profila in ga zasukamo za 90° The element is inserted anywhere along the profile and rotated for 90° L'elemento va inserito ovunque nella cava del profilo e ruotato di 90° Das Element wird irgendwo im Profil eingeschoben und um 90° gedreht		
	Referenca na drugo stran Reference to another page Riferimento ad un'altra pagina Verweis zu einer anderen Seite		
 110g	Masa artikla v gramih Product weight in gramms Peso del prodotto in grammi Produktgewicht in Gramm		
	Novi izdelek New product Nuovo prodotto Neues Produkt		



Vaš partner pri avtomatizaciji proizvodnje | Your partner in production automation
 Il vostro partner per l'automatizzazione della produzione | Ihr Partner für industrielle Automatisierungstechnik

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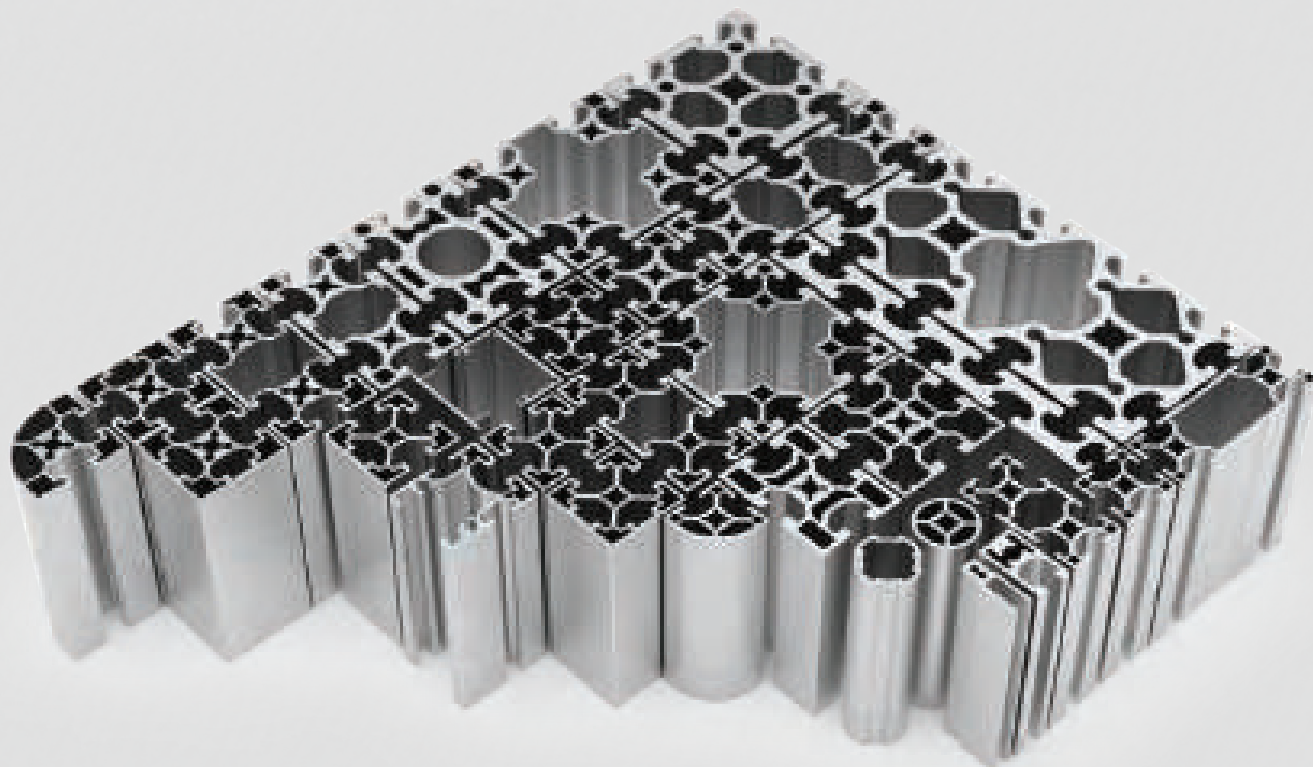
<p>Profili Profiles Profili Profile</p>		<p>15 - 38</p>
<p>Vezni elementi Joining elements Fissaggi Verbindungselemente</p>		<p>39 - 86</p>
<p>Pribor Accessories Accessori Zubehör</p>		<p>87 - 136</p>
<p>Valjčne proge Roller rails Rulliere Rollenschienen</p>		<p>137 - 152</p>
<p>Cevni modularni sistem Modular pipework system Sistema tubolare modulare Modulares Rohrsystem</p>		<p>153 - 170</p>





LIPRO

Profili
Profiles
Profili
Profile

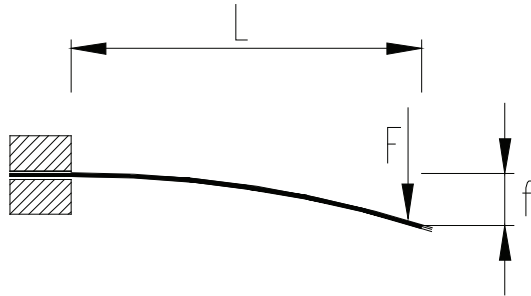


Uporabne formule

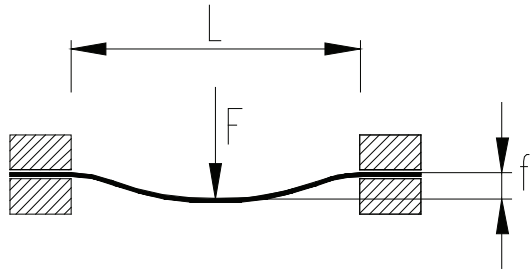
Useful formulas

Formule utili

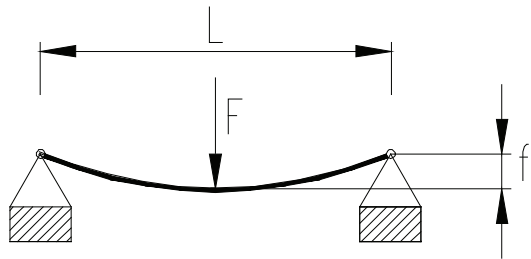
Nutzbare Formeln



$$\sigma = \frac{F \cdot L}{W} \leq K \quad f = \frac{F \cdot L^3}{E \cdot I \cdot 3}$$



$$\sigma = \frac{F \cdot L}{8 \cdot W} \leq K \quad f = \frac{F \cdot L^3}{E \cdot I \cdot 192}$$



$$\sigma = \frac{F \cdot L}{4 \cdot W} \leq K \quad f = \frac{F \cdot L^3}{E \cdot I \cdot 48}$$

σ [N/mm ²]	f [mm]	W [mm ³]	F [N]	I [mm ⁴]	K [N/mm ²]	E [N/mm ²]
Upogibna napetost	Poves	Odpornostni moment	Sila	Vztrajnostni moment	Max. upogibna napetost	Modul elastičnosti
Bending stress	Deflection	Section modulus	Force	Moment of inertia	Max. bending stress	Modulus of elasticity
Sforzo di flessione	Flessione	Modulo di resistenza	Forza	Momento di inerzia	Sforzo di flessione max.	Modulo di elasticità
Biegespannung	Durchbiegung	Widerstandsmoment	Kraft	Trägheitsmoment	Max. Biegespannung	Elastizitätsmodul

 $[10^3 \text{mm}^3 = \text{cm}^3]$
 $[10^4 \text{mm}^4 = \text{cm}^4]$

	[N/mm ²] 100	[N/mm ²] 40	[N/mm ²] 30
K tipični	Konstantna obremenitev	Utripna obremenitev	Izmenična obremenitev
K typical	Constant loading	Variabile loading	Swinging loading
K tipico	Costante di carico	Variabile di carico	Oscillante di carico
K typish	Dauerbelastung	Frequenzbelastung	Wechselbelastung



Tehnični podatki za modularne profile



Dati tecnici per profili modulari



Technical data for modular profiles



Technische Daten für modulare Profile

Al Mg Si EN AW-6060	Rm = 195 N/mm ²	Rp 0,2 = 145 N/mm ²
Oznaka in številka materiala po ISO standardu	Natezna trdnost	Napetost tečenja
Material designation and number according to ISO standard	Tensile strength	Yield strength
Sigla e numero del materiale secondo ISO standard	Resistenza alla trazione	Limite elastico
Werkstoffbezeichnung und -nummer nach ISO Standard	Dehnungsfestigkeit	Elastizitätslimit

E = 70.000 N/mm ²	T5	15µm	UNI - EN 755
Modul elastičnosti	Fizično stanje	Eloksacija - debelina sloja	Toleranca dimenzij
Module of elasticity	Physical status	Anodizing process - thickness	Manufacturing tolerance
Modulo di elasticità	Stato fisico	Processo d'anodizzazione - spessore	Tolleranza di fabbricazione
Elastizitätsmodul	Physischer Zustand	Eloxal-Verfahren - Schichtdicke	Fertigungstoleranz

Naziv Description Descrizione Beschreibung	Šifra Code Codice Kode	Vztrajnostni moment Moment of inertia Momento d'inerzia Trägheitsmoment I [cm ⁴]		Odpornostni moment Section modulus Modulo di resistenza Widerstandsmoment W [cm ³]		Površina Profile area Area Profilfläche [mm ²]	Masa Weight Peso Masse [kg/m]	Utor Slot Cava Nute [mm]	Dolžina Length Lunghezza Profillänge [mm]
		x	y	x	y				
Al. profile for grid	10001	1,01	0,16	0,79	0,32	139,42	0,37	8/10	6050
Al. profile 18,5 x 32	10002	2,76	1,16	1,97	1,26	288,80	0,77	8	6050
Al. profile fi-28	14029	1,67	1,67	1,19	1,19	273	0,7	/	6050
Al. profile fi-28 L	14028	1,33	1,33	0,95	0,95	178	0,49	/	6050
Al. profile 30 x 30	10003	2,76	2,76	1,84	1,84	297,33	0,80	8	6050
Al. profile 30 x 30 R	10004	2,48	2,48	1,43	1,43	298,48	0,80	8	6050
Al. profile 30 x 60	10005	19,03	5,28	6,34	3,52	542,13	1,45	8	6050
Al. profile 30 x 90	10006	59,48	7,58	13,22	5,23	682,94	1,83	8	6050
Al. profile 40 x 40	10021	7,62	7,62	3,81	3,81	461,795	1,24	10	6050
Al. profile 40 x 40 C1	10026	7,65	8,39	3,82	4,02	485,3	1,31	10	6050
Al. profile 40 x 40 C2	10027	8,45	8,45	2,88	3,032	507,33	1,37	10	6050
Al. profile 40 x 45	14001	8,02	9,38	4,21	4,69	425,64	1,14	8/10	6050
Al. profile 40 x 80	10022	55,72	15,15	13,93	7,57	829,38	2,24	10	6050
Al. cover profile 45 x 25	10024	1,90	5,03	0,27	0,86	104	0,28	/	6050
Al. trunking profile 45 x 25	10025	2,08	2,87	0,14	0,25	181	0,49	/	6050
Al. profile 45 x 45 L	10007	11,46	11,46	5,10	5,10	604,85	1,63	10	6050
Al. profile 45 x 45 H	10008	15,04	15,04	6,68	6,68	792,01	2,12	10	6050
Al. profile 45 x 45 C1	10009	12,45	11,49	5,72	5,11	626,87	1,69	10	6050
Al. profile 45 x 45 C2	10028	12,52	12,52	4,09	3,98	648,89	1,75	10	6050
Al. profile 45 x 45 R	10010	9,14	9,14	3,53	3,53	516,84	1,38	10	6050
Al. profile 45 x 60	10013	36,13	21,58	12,04	9,59	1088,02	2,91	10	6050
Al. profile 45 x 90 L	10011	87,15	22,27	19,37	9,90	1059,88	2,84	10	6050
Al. profile 45 x 90 H	10012	121,05	31,15	26,90	13,84	1493,25	4,00	10	6050
Al. profile 45 x 135	10014	376,27	45,32	55,74	20,14	2125,83	5,69	10	6050
Al. profile 45 x 180	10029	59,50	848,34	26,44	94,26	2764,64	7,49	10	6050
Al. Profile 60 x 60	10015	40,85	40,85	17,30	17,30	1345,17	3,64	10	6050
Al. profile 60 x 90	10016	202,42	90,32	44,98	30,11	2533,36	6,78	10	6050
Al. profile 80 x 80	10023	116,72	116,72	29,18	29,18	1461,00	3,96	10	6050
Al. profile 90 x 90 L	10017	195,39	195,39	43,42	43,42	2091,97	5,60	10	6050
Al. profile 90 x 90 H	10018	288,35	288,35	64,08	64,08	3600,61	9,64	10	6050
Al. profile 22,5 x 180	10019	897,06	11,83	66,34	10,81	2210,48	5,92	8/10	6050
Al. profile 90 x 180	10020	1889,54	510,18	209,95	113,37	5770,16	15,45	10	6050

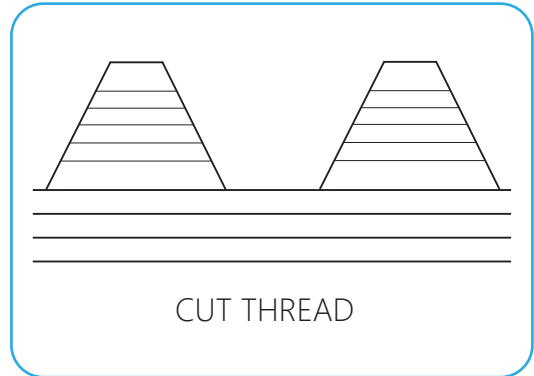
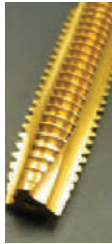
NAVOJI | THREADS | FILETTI | GEWINDE



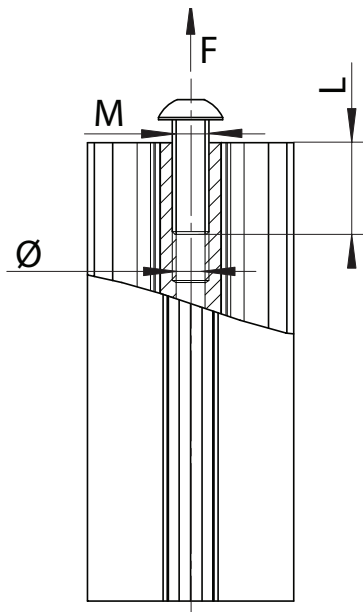
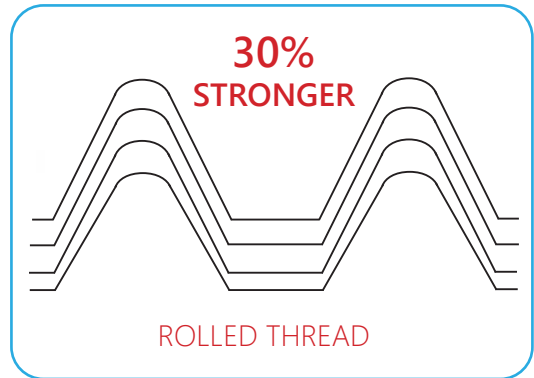
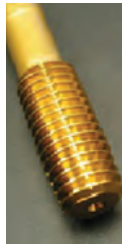
POZOR | WARNING | AVVERTENZA | VORSICHTSHINWEIS

Na al. profilih se uporablja postopek valjanja navojev in **NE** rezanja!!!
 The al. profiles have rolled and **NOT** cutted threads!!!
 Sui profili al. si utilizza il procedimento di rullatura dei filetti e **NON** tagliatura!!!
 Die Gewinde der Al.-Profile werden gerollt und **NICHT** geschnitten!!!

CUTTING TAP



FORMING TAP



































Predefined hole		
M x L	Ø	F
M8x20	Ø7,4	7000 N
M10x20	Ø9,4	8000 N
M12x20	Ø11,3	10 000 N
M16x20	Ø15	12 000 N

More information about the thread

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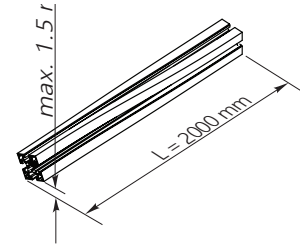
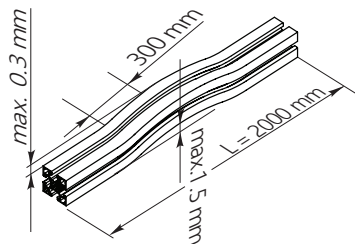
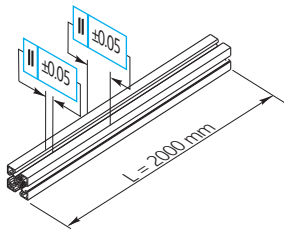
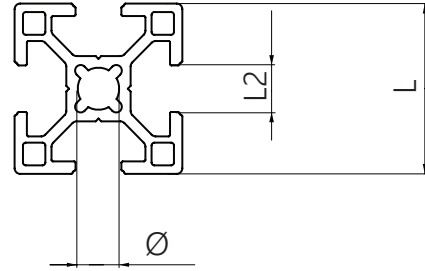
Al. profile for grid	21			28	Al. profile 45 x 45 C2
Al. profile 18,5 x 32	21			29	Al. profile 45 x 45 R
Al. cover profile 45 x 25	22			29	Al. profile 45 x 60
Al. trunking profile 45 x 25	22			30	Al. profile 45 x 90 L
Al. profile 30 x 30	23			30	Al. profile 45 x 90 H
Al. profile 30 x 30 R	23			31	Al. profile 45 x 135
Al. profile 30 x 60	24			32	 Al. profile 45 x 180
Al. profile 30 x 90	24			33	 Al. profile 60 x 60
Al. profile 40 x 40	25			33	Al. profile 60 x 90
Al. profile 40 x 40 C1	25			34	Al. profile 80 x 80
Al. profile 40 x 40 C2	26			34	Al. profile 90 x 90 L
Al. profile 40 x 80	26			35	Al. profile 90 x 90 H
Al. profile 45 x 45 L	27			36	Al. profile 22,5 x 180
Al. profile 45 x 45 H	27			37	Al. profile 90 x 180
Al. profile 45 x 45 C1	28				

TOLERANCE ON DIMENSION [mm]

L - Dimension mm

Over Up to and including

0	30	± 0.15
30	40	±0.25
40	60	±0.40
60	80	±0.50
80	100	±0.60
100	125	±0.80
125	150	±1.0
150	180	±1.2
180	210	±1.4
L2	8,2	± 0.15
	10,2	± 0.2
∅	7.4	± 0.15
	15	± 0.2



PROFILE GROOVE LOAD CARRYING CAPACITY



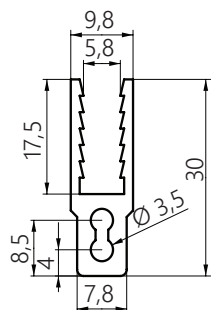
		30x30, 30x30R	4 000 N	5 000 N	6 000 N	2 200 N
		30x60, 30x90				
		40x40, 40x40C1, 40x40C2, 45x45L, 45x45C1, 45x45C2, 45x45R, 40x80, 45x90L	7 000 N	10 000 N	12 000 N	9 000 N
		45x45H, 45x60, 45x90H, 45x135, 45x180 60x60, 80x80, 60x90, 90x90L, 90x90H 22,5x180, 90x180	12 000 N	15 000 N	17 000 N	13 000 N



Al. profil mreže
Al. profile for grid



Profilo al. per griglia
Al.-Profil für Gitter



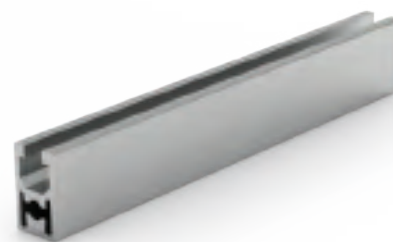
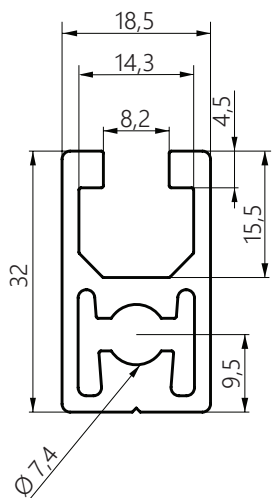
			Code
AI EI	M4	8	10
Al. profile for grid			10001
Assembly components - sold separately			Code
A	Corner connection	69	11116



Al. profil 18,5 x 32
Al. profile 18,5 x 32



Profilo al. 18,5 x 32
Al.-Profil 18,5 x 32



			Code
AI EI	M8	M10	8
Al. profile 18,5 x 32			10002



Al. profil pokrov kanala 45 x 25 mm



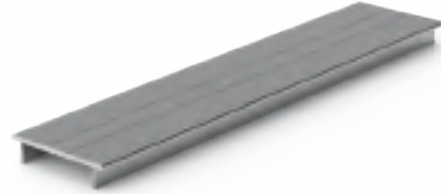
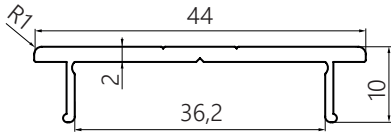
Profilo al. di copertura per profilo canale 45 x 25 mm



Al. cover profile for al. trunking profile 45 x 25 mm



Al.-Abdeckprofil für Kanalprofil 45 x 25 mm



Code



Al. cover profile for al. trunking profile 45 x 25 mm

10024



Al. profil kanala 45 x 25 mm



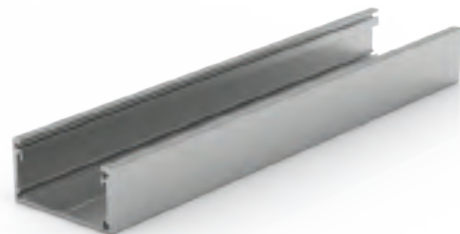
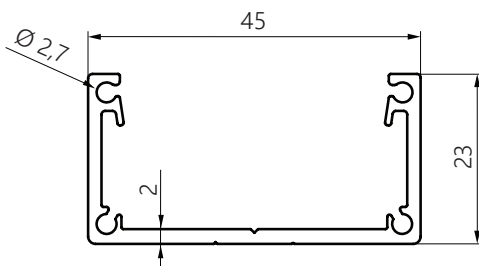
Profilo al. canale 45 x 25 mm



Al. trunking profile 45 x 25 mm



Al.-Kanalprofil 45 x 25 mm



Code



Al. trunking profile 45 x 25 mm

10025



Al. profil 30 x 30



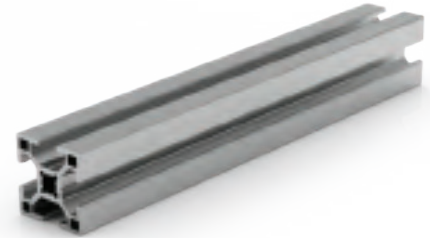
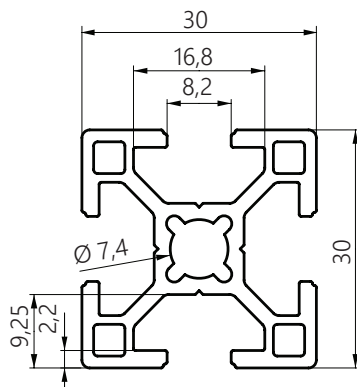
Profilo al. 30 x 30



Al. profile 30 x 30



Al.-Profil 30 x 30



Code



Al. profile 30 x 30

10003



Al. profil 30 x 30 R



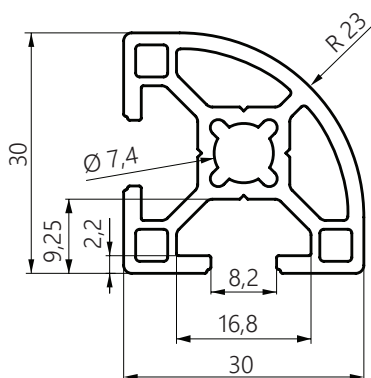
Profilo al. 30 x 30 R



Al. profile 30 x 30 R



Al.-Profil 30 x 30 R



Code



Al. profile 30 x 30 R

10004



Al. profil 30 x 60



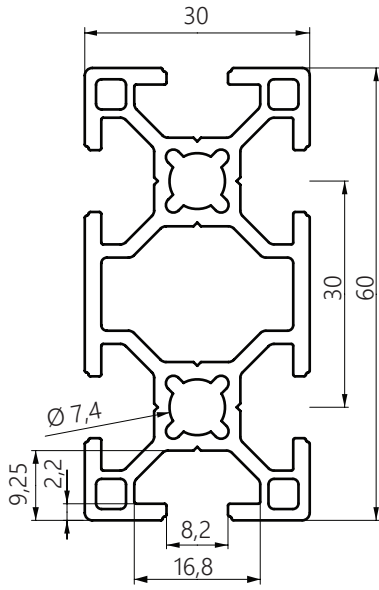
Profilo al. 30 x 60



Al. profile 30 x 60



Al.-Profil 30 x 60



Code



Al. profile 30 x 60

10005



Al. profil 30 x 90



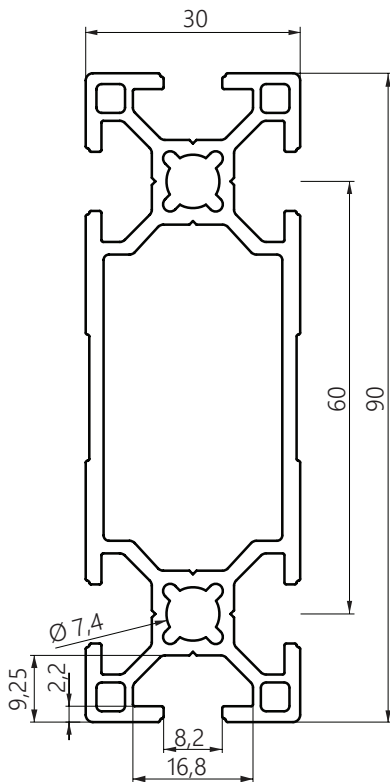
Profilo al. 30 x 90



Al. profile 30 x 90



Al.-Profil 30 x 90



Code



Al. profile 30 x 90

10006



Al. profil 40 x 40



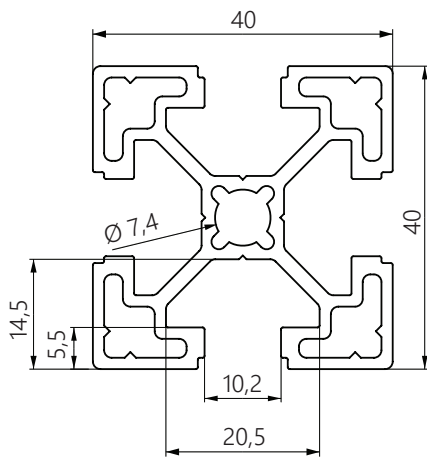
Profilo al. 40 x 40



Al. profile 40 x 40



Al.-Profil 40 x 40



Code



Al. profile 40 x 40

10021



Al. profil 40 x 40 C1



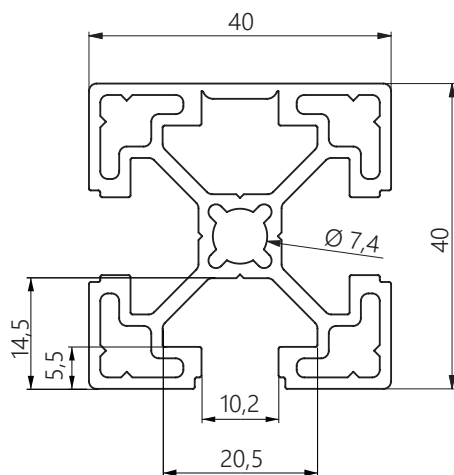
Profilo al. 40 x 40 C1



Al. profile 40 x 40 C1



Al.-Profil 40 x 40 C1



Code



Al. profile 40 x 40 C1

10026



Al. profil 40 x 40 C2



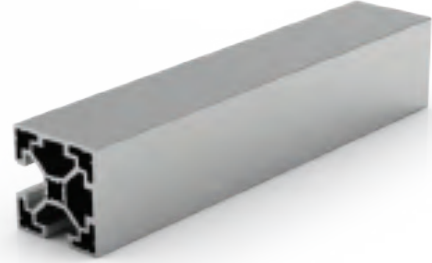
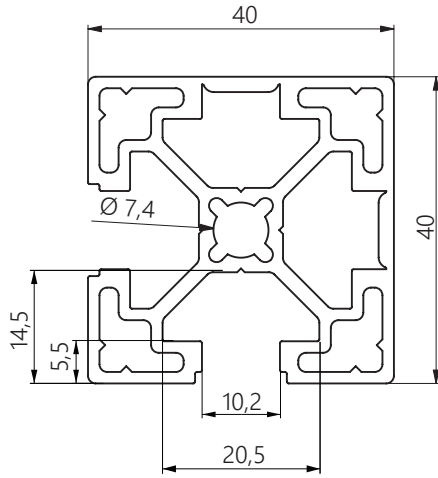
Profilo al. 40 x 40 C2



Al. profile 40 x 40 C2



Al.-Profil 40 x 40 C2



Code



Al. profile 40 x 40 C2

10027



Al. profil 40 x 80



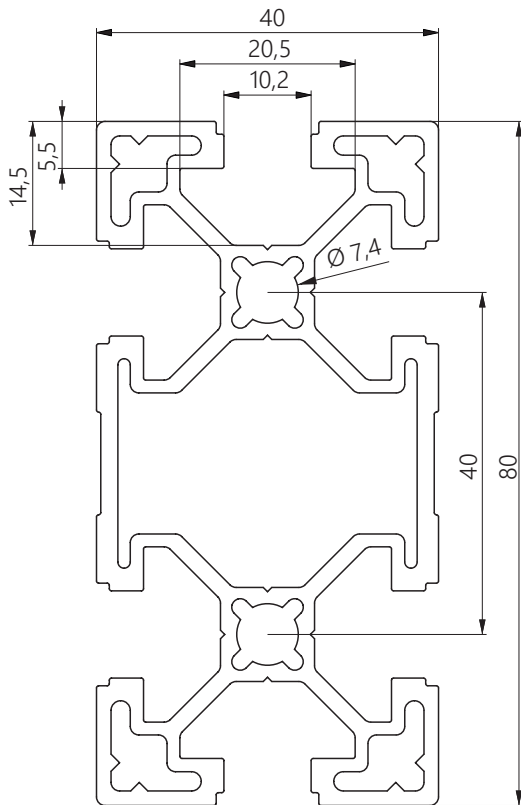
Profilo al. 40 x 80



Al. profile 40 x 80



Al.-Profil 40 x 80



Code



Al. profile 40 x 80

10022



Al. profil 45 x 45 L



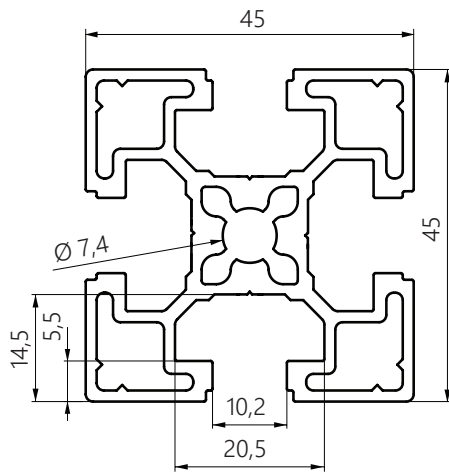
Profilo al. 45 x 45 L



Al. profile 45 x 45 L



Al.-Profil 45 x 45 L



Code

Al EI	L	M8	M10	M12	10	Al. profile 45 x 45 L	10007
----------	---	----	-----	-----	----	-----------------------	-------



Al. profil 45 x 45 H



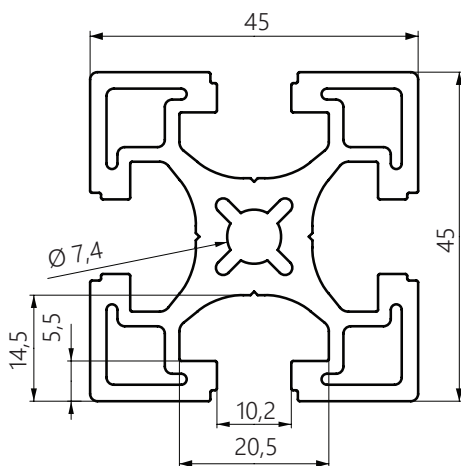
Profilo al. 45 x 45 H



Al. profile 45 x 45 H



Al.-Profil 45 x 45 H



Code

Al EI	H	M8	M10	M12	10	Al. profile 45 x 45 H	10008
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Al. profil 45 x 45 C1



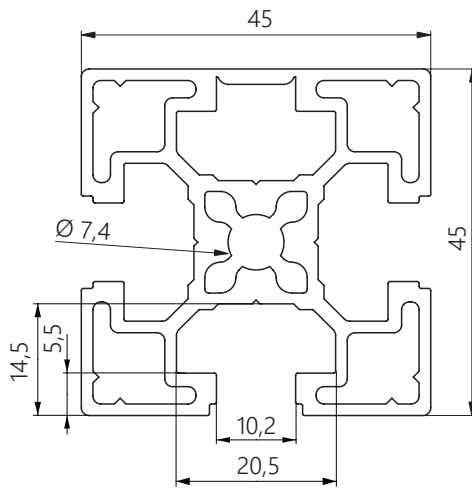
Profilo al. 45 x 45 C1



Al. profile 45 x 45 C1



Al.-Profil 45 x 45 C1



Code



Al. profile 45 x 45 C1

10009



Al. profil 45 x 45 C2



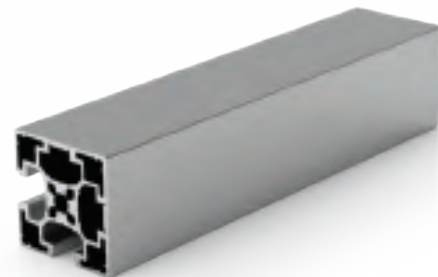
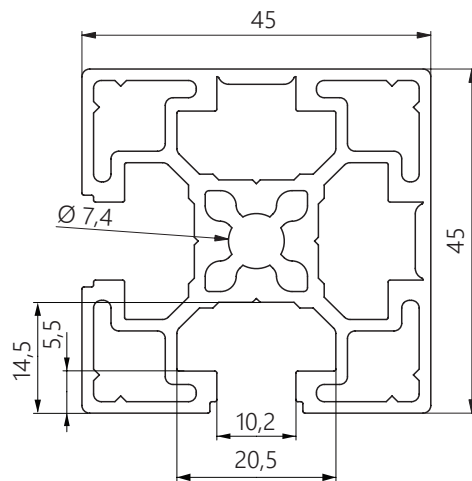
Profilo al. 45 x 45 C2



Al. profile 45 x 45 C2



Al.-Profil 45 x 45 C2



Code



Al. profile 45 x 45 C2

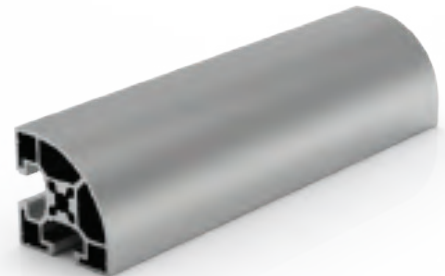
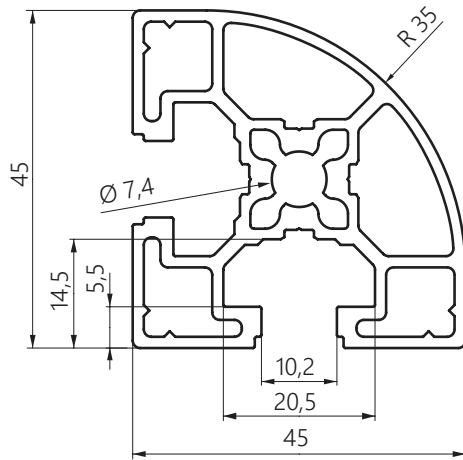
10028



Al. profil 45 x 45 R
Al. profile 45 x 45 R



Profilo al. 45 x 45 R
Al.-Profil 45 x 45 R



Code

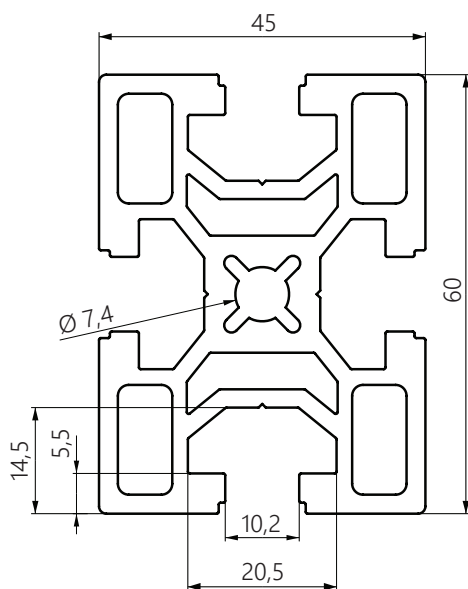
					Al. profile 45 x 45 R	10010
--	--	--	--	--	-----------------------	-------



Al. profil 45 x 60
Al. profile 45 x 60



Profilo al. 45 x 60
Al.-Profil 45 x 60



Code

					Al. profile 45 x 60	10013
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Al. profil 45 x 90 L



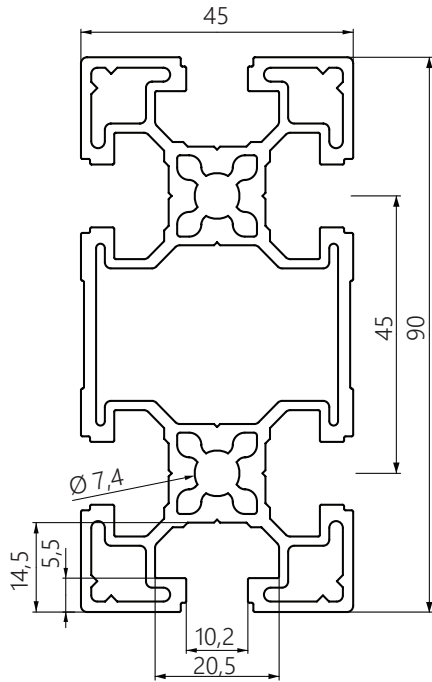
Profilo al. 45 x 90 L



Al. profile 45 x 90 L



Al.-Profil 45 x 90 L



Code

						Al. profile 45 x 90 L	10011
--	--	--	--	--	--	-----------------------	-------



Al. profil 45 x 90 H



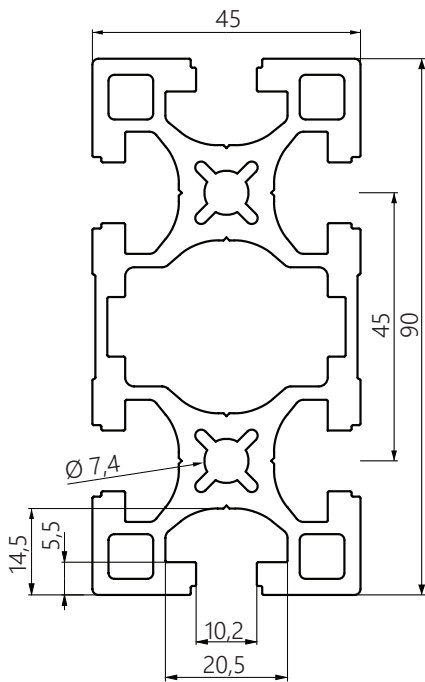
Profilo al. 45 x 90 H



Al. profile 45 x 90 H



Al.-Profil 45 x 90 H



Code

						Al. profile 45 x 90 H	10012
--	--	--	--	--	--	-----------------------	-------



Al. profil 45 x 135



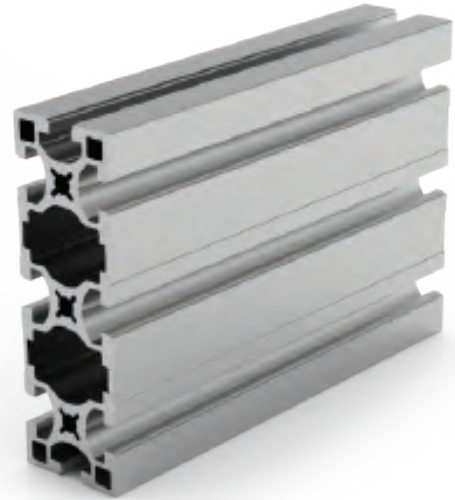
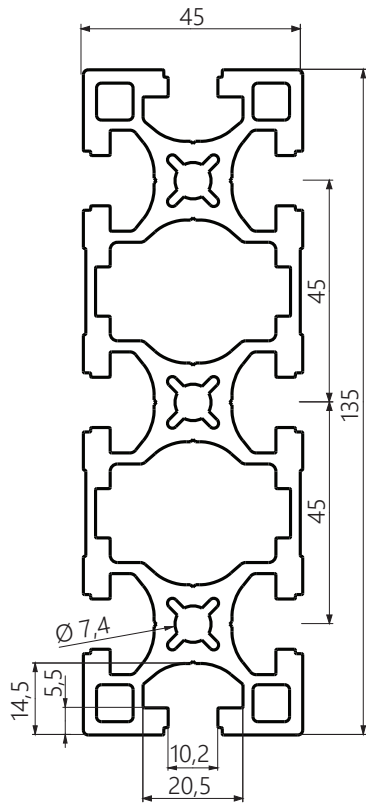
Profilo al. 45 x 135



Al. profile 45 x 135



Al.-Profil 45 x 135



Code



Al. profile 45 x 135

10014



Al. profil 45 x 180



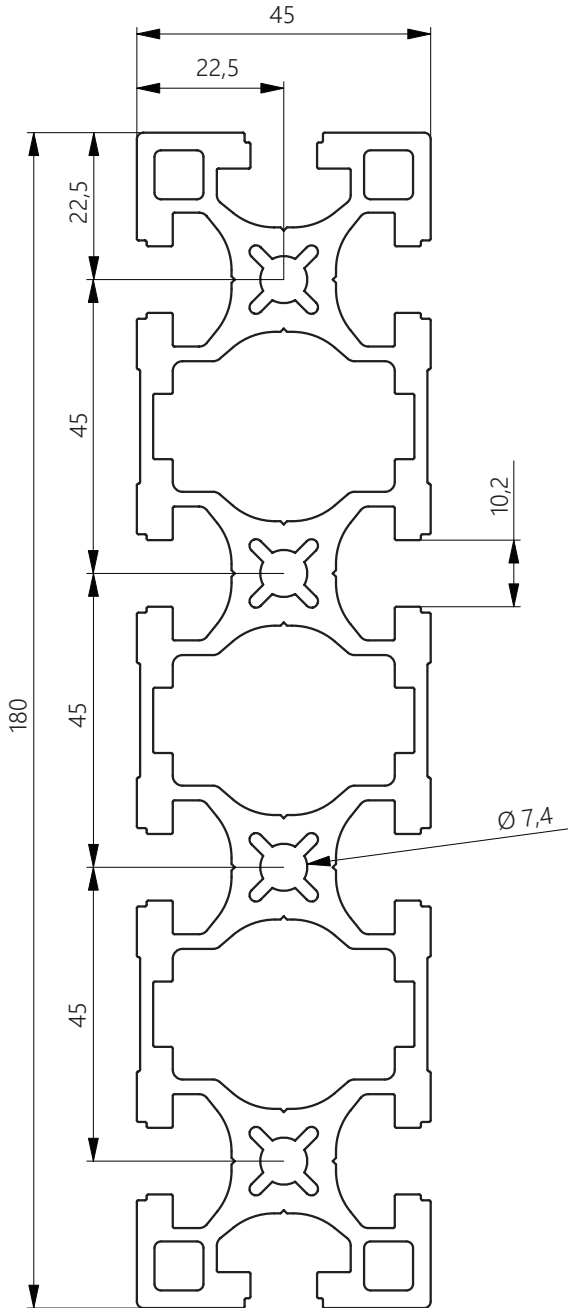
Profilo al. 45 x 180



Al. profile 45 x 180



Al.-Profil 45 x 180



Code



Al. profile 45 x 180

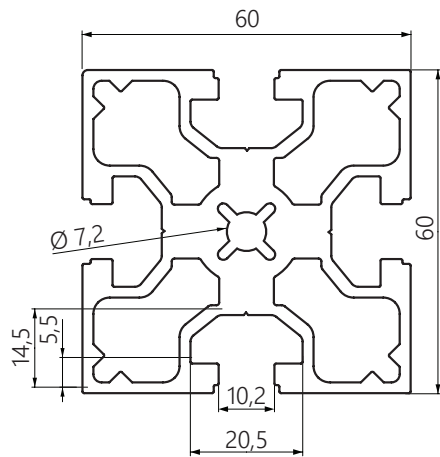
10029



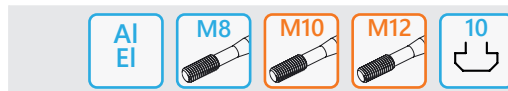
Al. profil 60 x 60
Al. profile 60 x 60



Profilo al. 60 x 60
Al.-Profil 60 x 60



Code



Al. profile 60 x 60

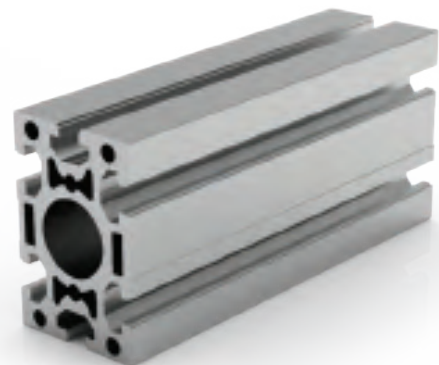
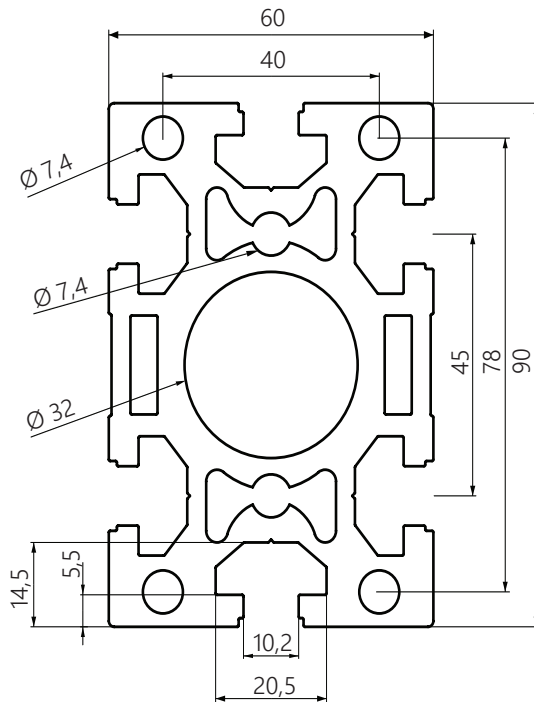
10015



Al. profil 60 x 90
Al. profile 60 x 90



Profilo al. 60 x 90
Al.-Profil 60 x 90



Code



Al. profile 60 x 90

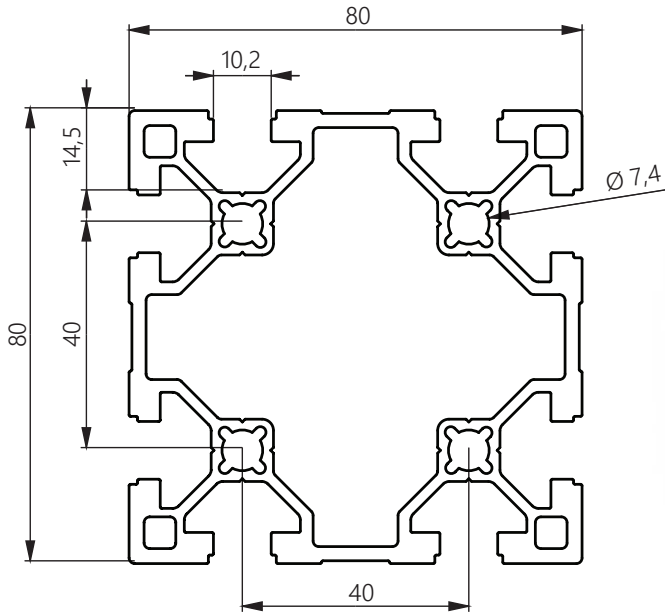
10016



Al. profil 80 x 80
Al. profile 80 x 80



Profilo al. 80 x 80
Al.-Profil 80 x 80



Code



Al. profile 80 x 80

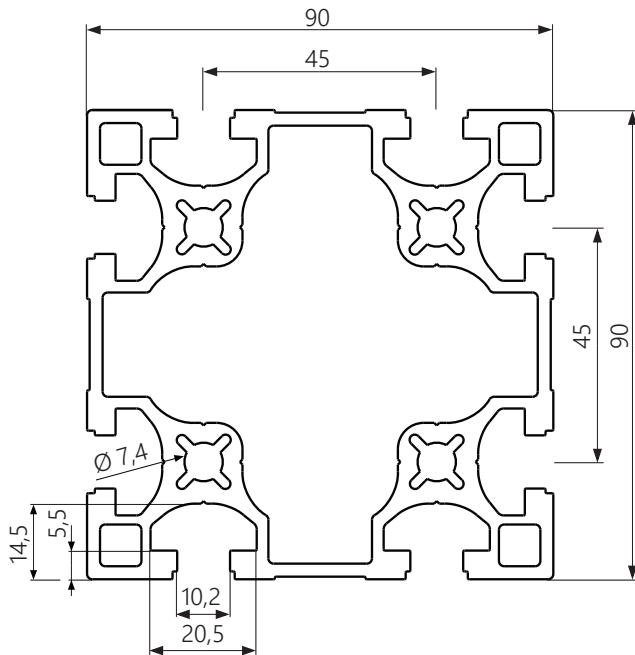
10023



Al. profil 90 x 90 L
Al. profile 90 x 90 L



Profilo al. 90 x 90 L
Al.-Profil 90 x 90 L



Code



Al. profile 90 x 90 L

10017



Al. profil 90 x 90 H



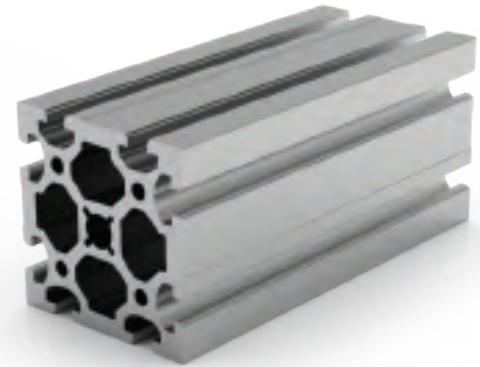
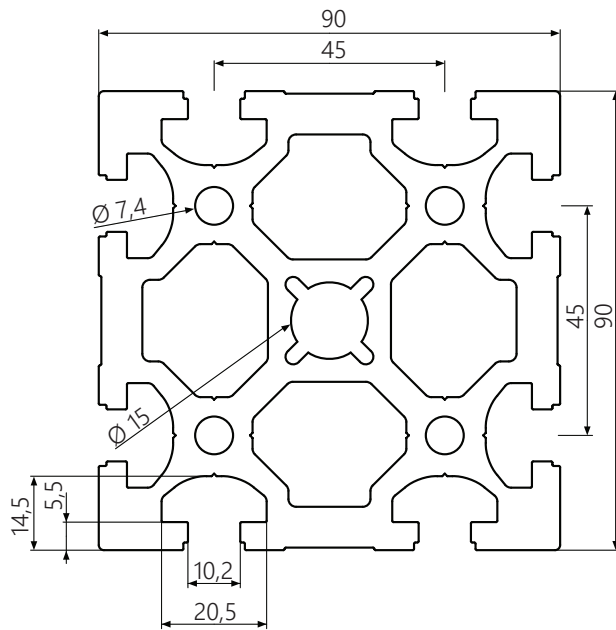
Profilo al. 90 x 90 H



Al. profile 90 x 90 H



Al.-Profil 90 x 90 H



Code



Al. profile 90 x 90 H

10018



Al. profil 22,5 x 180



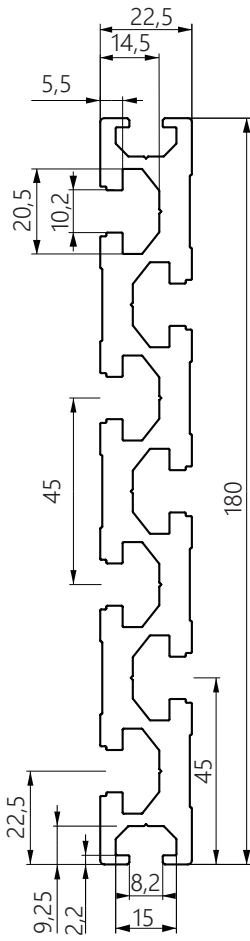
Profilo al. 22,5 x 180



Al. profile 22,5 x 180



Al.-Profil 22,5 x 180



Code



Al. profile 22,5 x 180

10019



Al. profil 90 x 180



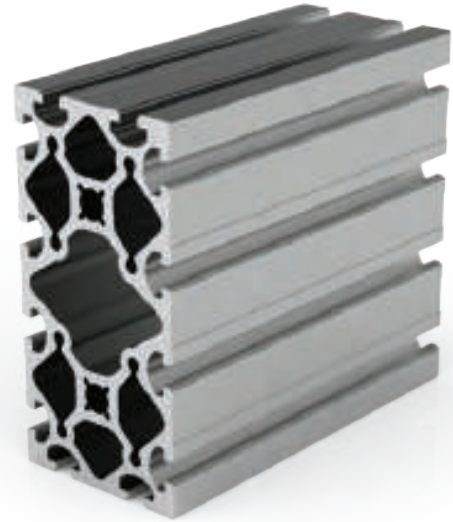
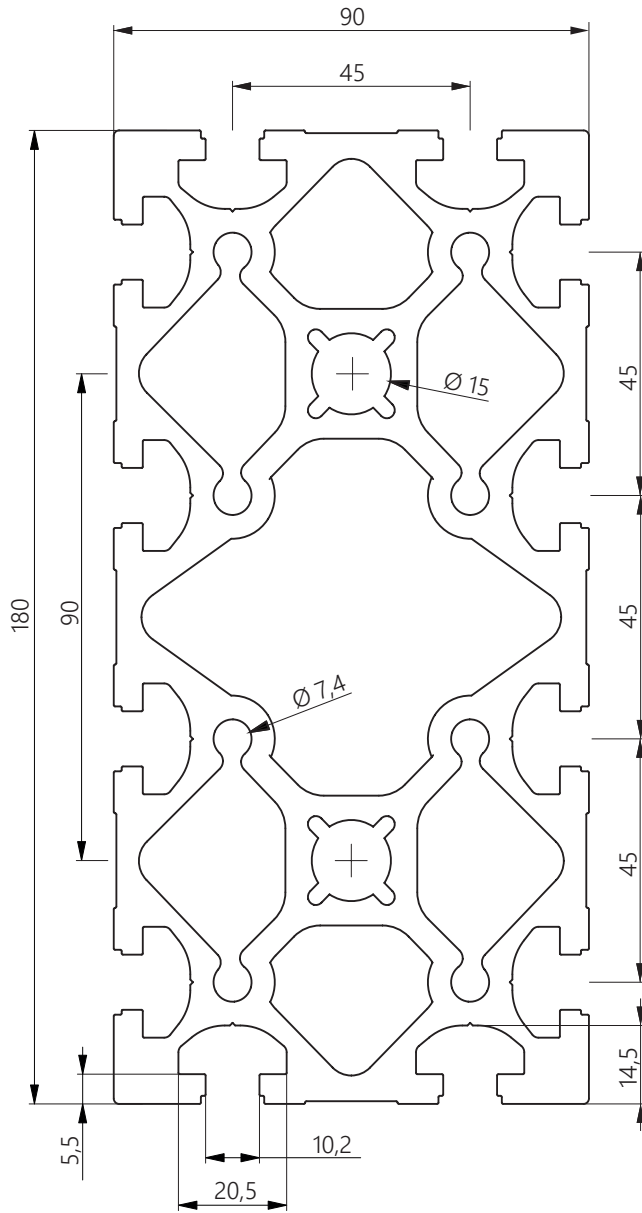
Profilo al. 90 x 180



Al. profile 90 x 180



Al.-Profil 90 x 180

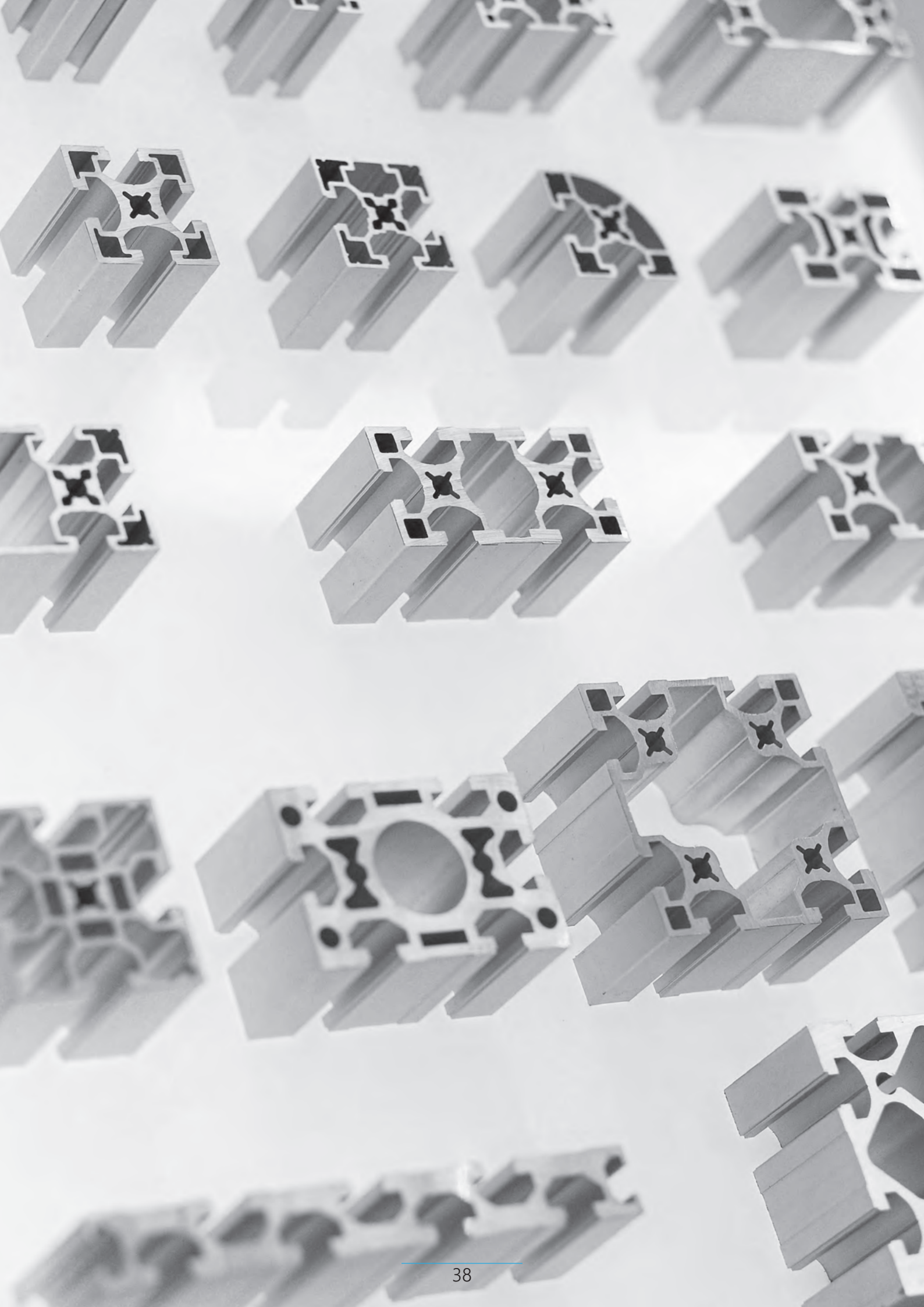


Code



Al. profile 90 x 180

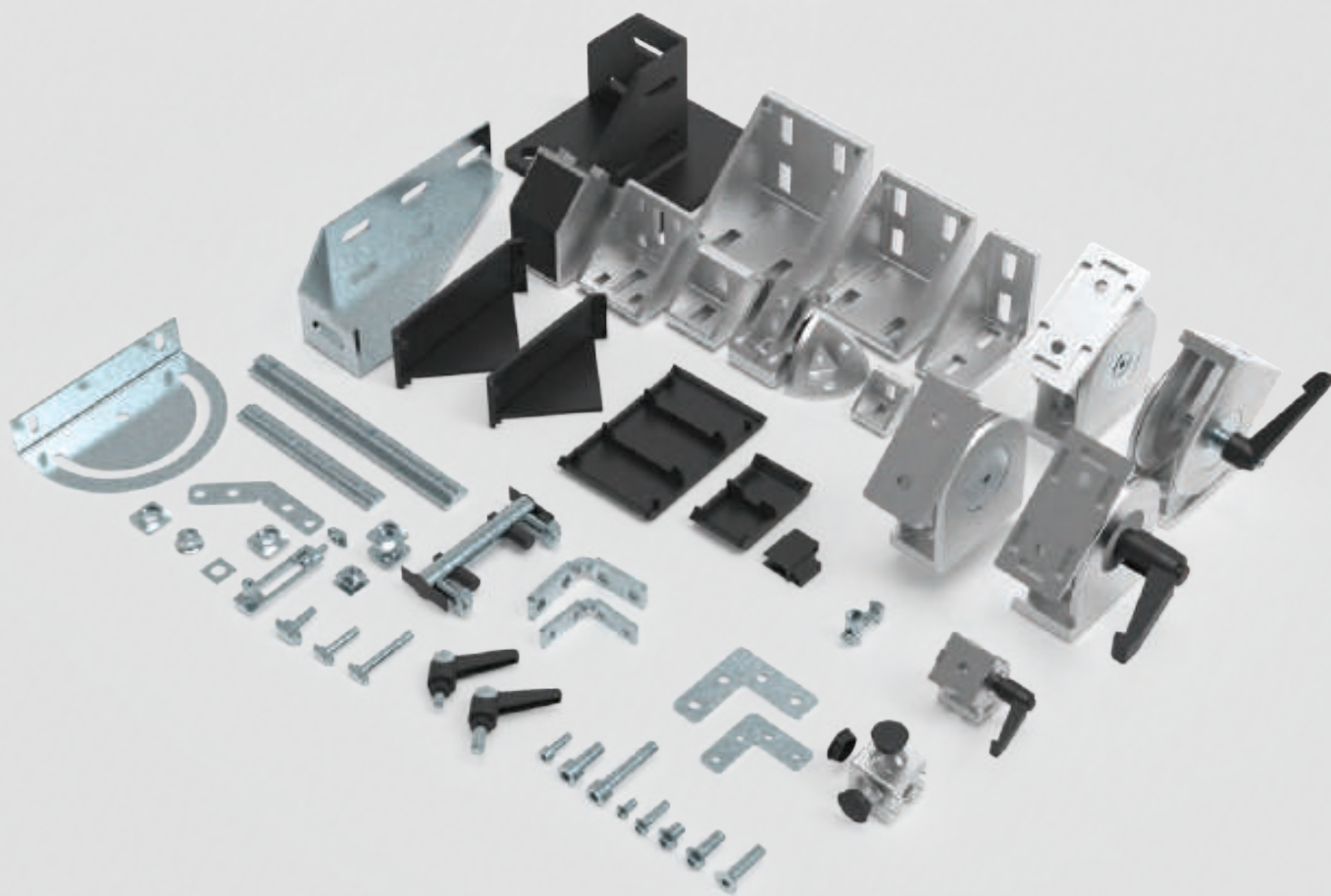
10020





LIPRO

Vežni elementi
Joining elements
Fisaggi
Verbindungselemente



PROFILE CONNECTION LOAD CARRYING CAPACITY



















Code	Profile	Thickness	(±5%)	F_{MAX}	M_{MAX}	M_{MAX}		
			Nm					
	11097	M8	20	800 N	43 Nm			
	11098	M8	25	1000 N	65 Nm			
	11099	M8	20					
	11140	M8	20					
	11141	M8	25					
	11100	M8	25					
	11048	M8	25					
	11052	M8	25					
	11129	Ø8	25					
	11152	Ø17	20	4 000 N	180 Nm	40 Nm		
	11133	Ø17	20	4 000 N	180 Nm	60 Nm		
	11138	Ø17	20	4 000 N	200 Nm	80 Nm		
	11092	Ø17	20	5 000 N	800 Nm	170 Nm		
11134	Ø17	20	5 000 N	800 Nm	200 Nm			

Code	Profile	Thickness	(±5%)	F_{MAX}	M_{MAX}	M_{MAX}	M_{MAX}	
			Nm					
	11101	30x30	10	1 250 N	25 Nm	75 Nm	-	
	11109	30x60	10	2 500 N	100 Nm	170 Nm	25 Nm	
	11142	40x40	25	3 000 N	55 Nm	145 Nm	35 Nm	
	11084	40x80	25	6 000 N	180 Nm	400 Nm	60 Nm	
	11103	45x45	25	3 000 N	60 Nm	160 Nm	-	
	11110	45x90	25	6 000 N	180 Nm	400 Nm	60 Nm	
	11105	60x60	25	3 000 N	125 Nm	150 Nm	-	
	11087	80x80	25	14 000 N	500 Nm	1 000 Nm	400 Nm	
11107	90x90	25	12 000 N	370 Nm	800 Nm	200 Nm		

Code	Profile	Thickness	(±5%)	M_{MAX}	
			Nm		
	11147	30x30	25	70 Nm	
	11148	40x40	35	85 Nm	
	11149	45x45	35	170 Nm	

Code	Profile	Thickness	(±5%)	F_{MAX}	M_{MAX}	M_{MAX}		
			Nm					
	11117	30x30	6					
	11157	40x40	10					
	11118	45x45	10					
	11119	30x30	6					
	11120	45x45	10					
	11135	30x30	7	500 Nm	50 Nm	-	7 Nm	
	11136	45x45	12	500 Nm	50 Nm	-	10 Nm	
	11153	30x30	7	500 Nm	50 Nm	-	7 Nm	
	11155	45x45	12	500 Nm	50 Nm	-	10 Nm	

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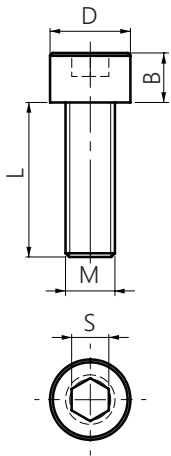
Vijak s cilindrično glavo

Cylinder head screw



Vite con testa cilindrica

Zylinderkopfschraube



Zn Fe							Code
	M	L	D	B	S		
	4	40	6,8	4	3	4g	11026
	5	16	8,3	5	4	4g	11001
	5	20	8,3	5	4	4g	11002
	6	14	9,8	6	5	5g	11003
	6	16	9,8	6	5	6g	11004
	6	20	9,8	6	5	6g	11005
	6	30	9,8	6	5	8g	11006
	8	16	12,7	8	6	11g	11007
	8	20	12,7	8	6	13g	11008
	8	25	12,7	8	6	14g	11009
	8	40	12,7	8	6	19g	11010



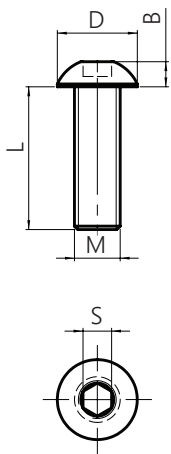
Vijak z lečasto glavo

Round-head screw



Vite con testa bombata

Linsenkopfschraube



Zn Fe							Code
	M	L	D	B	S		
	5	10	9,5	2,8	3	2g	11011
	5	12	9,5	2,8	3	2g	11012
	5	16	9,5	2,8	3	3g	11013
	5	20	9,5	2,8	3	3g	11014
	5	25	9,5	2,8	3	4g	11015
	6	10	10,5	3,3	4	3g	11016
	6	12	10,5	3,3	4	3g	11017
	6	16	10,5	3,3	4	4g	11018
	6	20	10,5	3,3	4	5g	11019
	6	25	10,5	3,3	4	5g	11020
	8	10	14	4,4	5	6g	11021
	8	14	14	4,4	5	8g	11022
	8	20	14	4,4	5	9g	11023
	8	25	14	4,4	5	11g	11024
	8	30	14	4,4	5	13g	11025



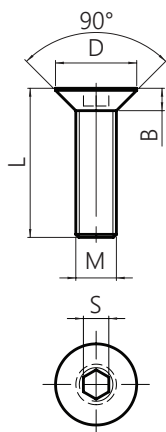
Vijak z vgreznjeno glavo

Countersunk screw



Vite con testa svasata

Senkkopfschraube



						Code	
M	L	D	B	S			
5	16	12	4	4	4g	11164	
5	20	12	4	4	4g	11165	
6	12	12	4	4	4g	11162	
6	16	12	4	4	4g	11027	
6	20	12	4	4	4g	11028	
8	25	16	5	5	10g	11029	
8	35	16	5	5	13g	11030	



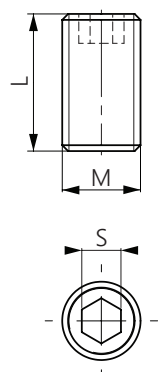
Navojni zatič

Threaded insert



Perno filettato

Gewindeeinsatz



					Code	
M	L	S				
6	8	4	2g	11031		
6	14	4	2g	11032		
8	10	5	2g	11033		
8	14	5	3g	11034		
8	40	5	11g	11035		



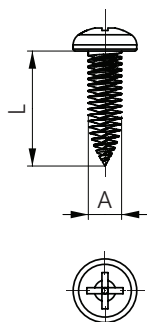
Samorezni vijak

Self-tapping screw



Vite autofilettante

Selbstschneidende Schraube



				Code	
A	L				
Ø 5,5	19	4g	11036		



Vijak s kladivasto glavo



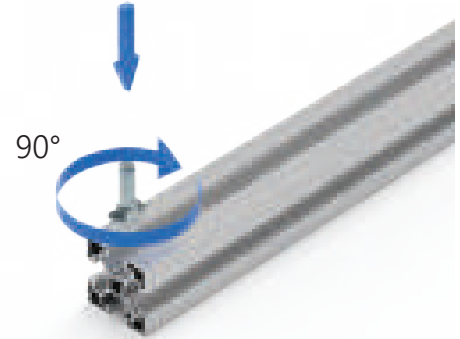
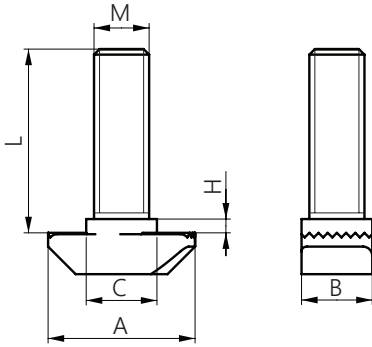
Vite con testa a martello



Hammer head screw



Hammerkopfschraube



								Code		
Zn Fe	8/10	M	L	B	C	A	H			
		8	6	20	7,7	7,7	16	1,5	7g	11037*
		8	6	25	7,7	7,7	16	1,5	8g	11038*
		8	6	30	7,7	7,7	16	1,5	9g	11039*
		8	6	40	7,7	7,7	16	1,5	10g	11040*
		8	6	60	7,7	7,7	16	1,5	10g	11041*
		10	6	20	9,7	9,7	19	3	10g	11042*
		10	6	25	9,7	9,7	19	3	12g	11043*
		10	6	30	9,7	9,7	19	3	13g	11044*
		10	6	40	9,7	9,7	19	3	15g	11045*
		10	6	60	9,7	9,7	19	3	18g	11046*
		10	8	20	8,5	9,7	19	3	13g	11047
		10	8	25	8,5	9,7	19	3	14g	11048
		10	8	30	9,7	9,7	19	3	15g	11049*
		10	8	40	9,7	9,7	19	3	19g	11050*
		10	8	60	9,7	9,7	19	3	25g	11051*

*

Sestavljen | Composed | Composto | Zusammengesetzt



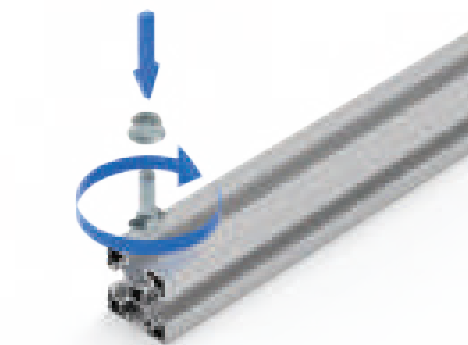
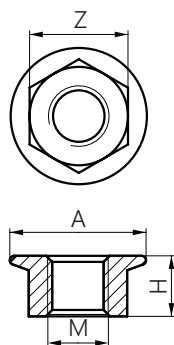
Matica s prirobnico

Flange nut



Dado con flangia

Flanschmutter



Code

Zn Fe	M	A	H	Z		
	6	Ø14,2	6	10	4g	11139
	8	Ø17,9	8	13	7g	11052



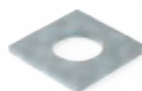
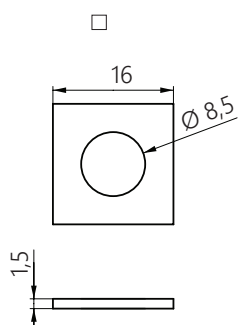
Podložka utorna-kvadratna U8

Washer U8



Rondella quadra C8

Vierkant-Unterlegscheibe U8



Code

Zn Fe			
	8		2g 11053



Podložka utorna kvadratna nizka U10



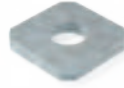
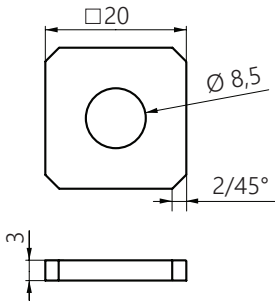
Rondella-slim C10



Square washer-slim U10



Quadratische Vierkant-Unterlegscheibe-dünn U10



			Code
Zn Fe	10		
6g			11166



Podložka utorna U10



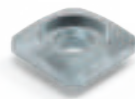
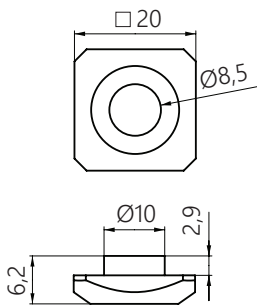
Rondella C10



Washer U10



Vierkant-Unterlegscheibe U10



			Code
Zn Fe	10		
10g			11054



Kladivasta matica



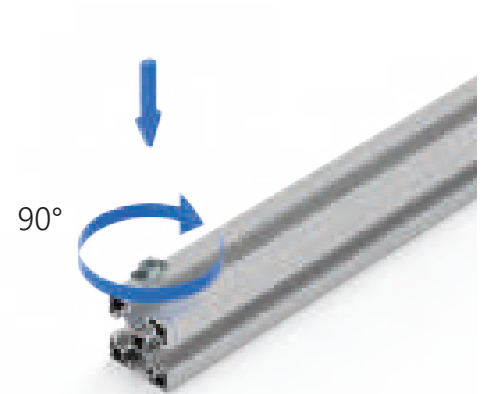
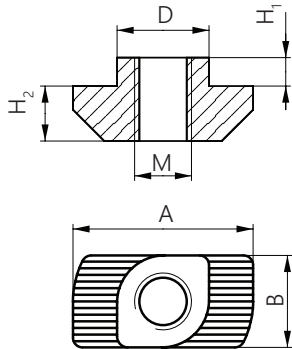
Hammer nut



Dado a martello



Hammermutter



									Code	
Zn Fe	8/10	M	A	B	H ₁	H ₂	D			
		8	4	16	7,7	1,5	4,5	7,7	4g	11055
		8	5	16	7,7	1,5	4,5	7,7	3g	11056
		8	6	16	7,7	1,5	4,5	7,7	3g	11057
		10	4	19	9,7	3	5,8	9,7	8g	11058
		10	5	19	9,7	3	5,8	9,7	7g	11059
		10	6	19	9,7	3	5,8	9,7	7g	11060
		10	8	19	9,7	3	5,8	9,7	6g	11061



Matica utorna



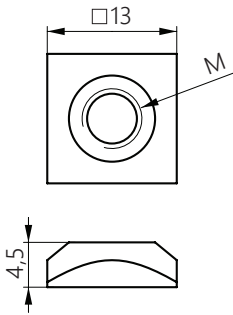
Dado quadro



Square nut



Vierkantmutter



Code

Zn Fe	8	M		
		5	5g	11062
		6	5g	11063
		8	4g	11064



Matica utorna



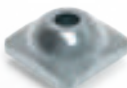
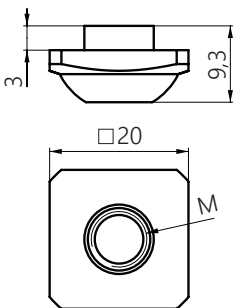
Dado quadro



Square nut



Vierkantmutter



Code

Zn Fe	10	M		
		6	18g	11065
		8	15g	11066



Uturni kamen



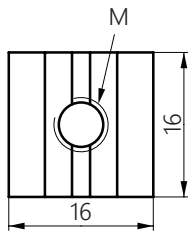
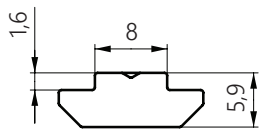
Cursore per cava



T-slot nut



Nutenstein



Code

Zn Fe	8	M		
		4	9g	11067
		5	8g	11068
		6	8g	11069
		8	7g	11070



Uturni kamen z vzmetjo



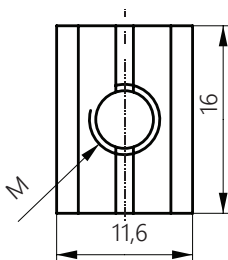
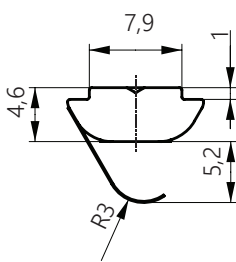
Cursore Roll-in con molla



Roll-in T-nut with spring



Roll-in Federmutter



Code

Zn Fe	8	M		
		4	5g	11071
		5	5g	11072
		6	4g	11073
		8	4g	11074



Utorni kamen



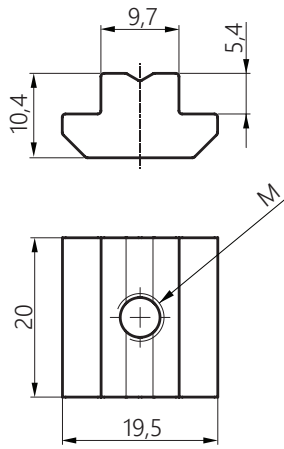
Cursore per cava



T-slot nut



Nutenstein



Code

Zn Fe	10	M		
		4	22g	11075
		5	21g	11076
		6	20g	11077
		8	19g	11078



Utorni kamen-nizek



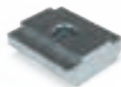
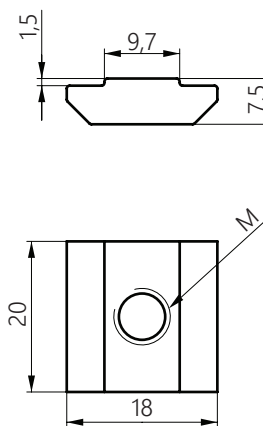
Cursore per cava-basso



T-slot nut-low



Nutenstein-niedrig



Code

Zn Fe	10	M		
		6	16g	11168
		8	14g	11169



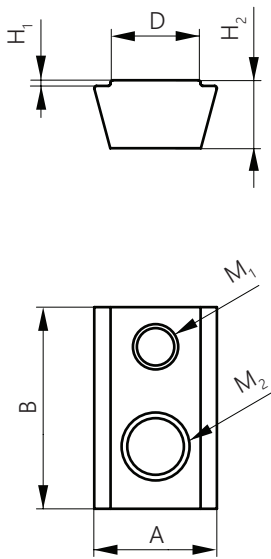
Utorni kamen nizek-Fix

T-slot nut low-Fix



Cursore per cava basso-Fix

Nutenstein niedrig-Fix



Zn Fe	8/10	M ₁	M ₂	A	B	D	H ₁	H ₂	Weight	Code	
		8	4	6	10,8	17,8	7,9	0,5	6	4g	11170
		10	4	8	14,1	20	9,9	1,5	6	8g	11171



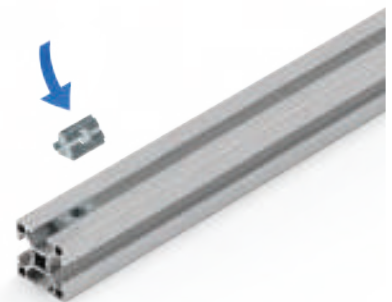
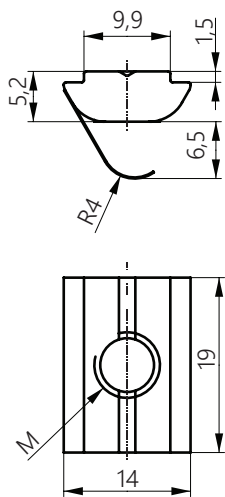
Utorni kamen z vzmetjo

Roll-in T-nut with spring



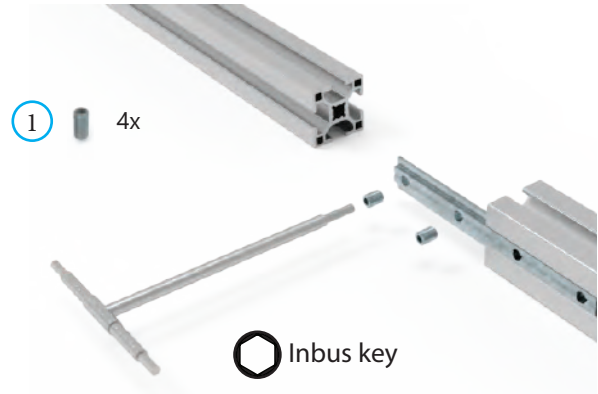
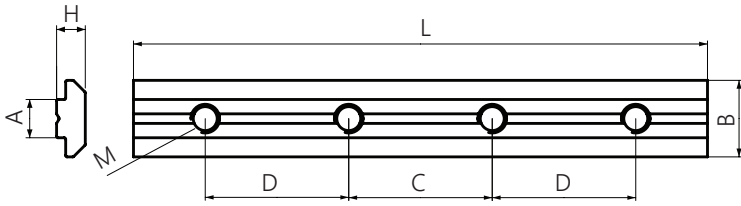
Cursore Roll-in con molla

Roll-in Federmutter



Zn Fe	10	M	Weight	Code
		4	8g	11079
		5	8g	11080
		6	8g	11081
		8	7g	11082

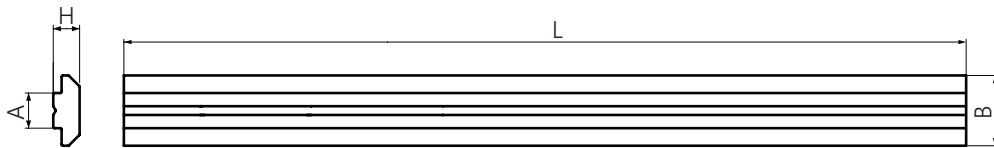
	Linearni spoj U8/U10		Giunto lineare C8/C10
	Linear joint U8/U10		Linear-Profilverbinder U8/U10



		L	M	A	B	D	C	H		Code	
		8	120 mm	6	8	16	35	35	6	63g	11083
		10	90 mm	8	9,8	19,5	15	30	10,4	91g	11176
		10	180 mm	8	9,8	19,5	60	30	10,4	188g	11095

		Assembly components - sold separately			Code
8	①	Threaded insert M6x8	43	3	11031
10		Threaded insert M8x14	43	4	11034

	Profil utorni-Fe U8/U10		Profilo-Fe per cava C8/C10
	Slot profil-Fe U8/U10		Nut Profil-Fe U8/U10



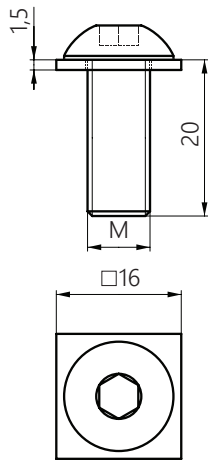
		L	A	B	H		Code	
		8	1500 mm	8	16	6	580g/m	11094
		10	1500 mm	9,8	19,5	11	1100g/m	11096



Spojní set čelni U8
Front connector set U8



Kit fissaggio frontale C8
Frontverbinder-Set U8



Inbus key 5



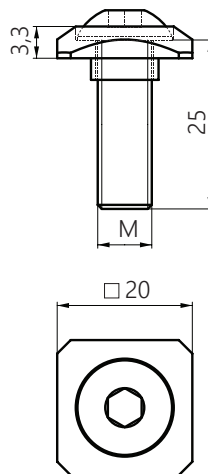
				Code
		M		
	8		12g	11097



Spojní set čelni U10
Front connector set U10



Kit fissaggio frontale C10
Frontverbinder-Set U10



Inbus key 5



				Code
		M		
	8		20g	11098



Spojní set stranski U8/U8



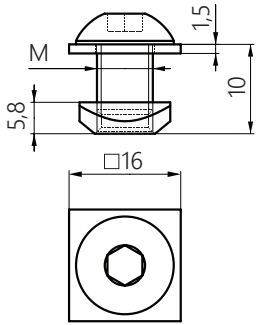
Kit fissaggio laterale C8/C8



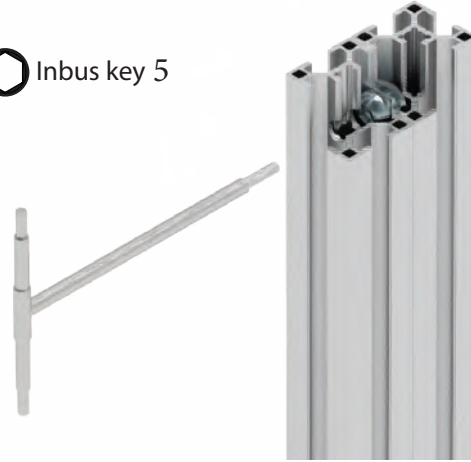
Lateral connector set U8/U8



Seitenverbinder-Set U8/U8



Inbus key 5



Code

		M		
8	12g			11099



Spojní set stranski U8/U10



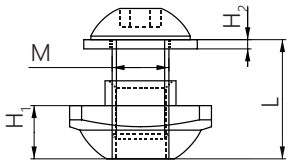
Kit fissaggio laterale C8/C10



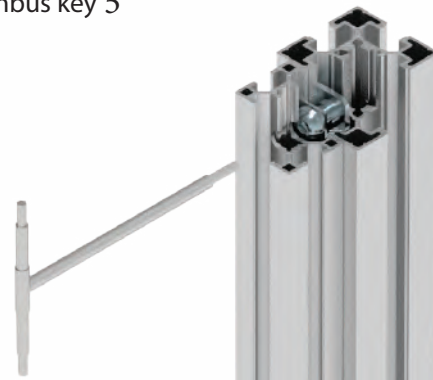
Lateral connector set U8/U10



Seitenverbinder-Set U8/U10



Inbus key 5



Code

		M	L	A	a	H ₁	H ₂		
8	14	20	16	6,3	1,5	22g		11140	



Spojní set stranski U10/U8



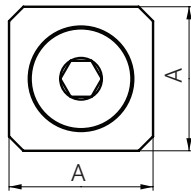
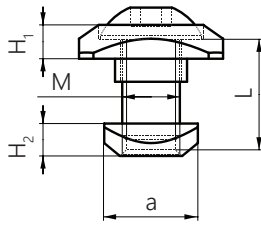
Lateral connector set U10/U8



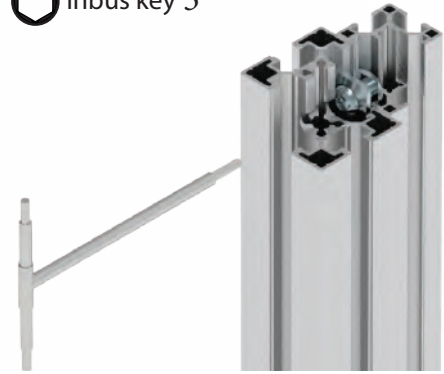
Kit fissaggio laterale C10/C8



Seitenverbinder-Set U10/U8



Inbus key 5



Code

		M	L	A	a	H ₁	H ₂		
		8	14	20	16	3,3	5,8	18g	11141



Spojní set stranski U10/U10



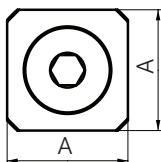
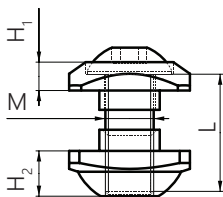
Lateral connector set U10/U10



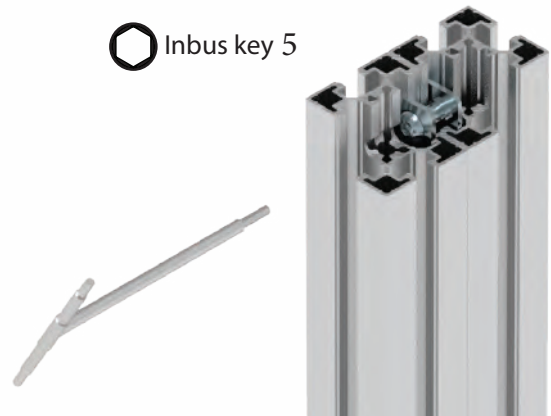
Kit fissaggio laterale C10/C10



Seitenverbinder-Set U10/U10



Inbus key 5



Code

		M	L	A	H ₁	H ₂		
		8	20	20	3,3	6,3	33g	11100



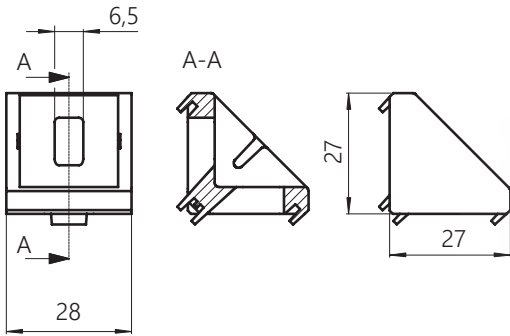
Al. kotnik 30 x 30

Al. bracket 30 x 30

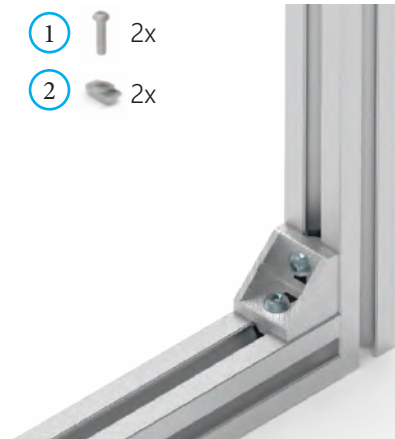


Angolare al. 30 x 30

Al.-Winkel 30 x 30



- ① 2x
- ② 2x



Code



20g

11101

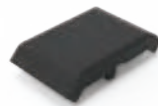
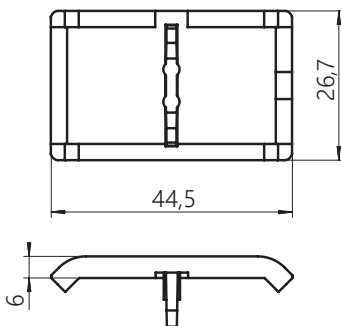
Assembly components - sold separately			Code
①	Round-head screw M6x12	44	11017
②	Hammer nut M6	47	11057



Pokrov za kotnik 30 x 30
Cover cap for bracket 30 x 30



Tappo per angolare 30 x 30
Winkelabdeckkappe für 30 x 30



Code



6g

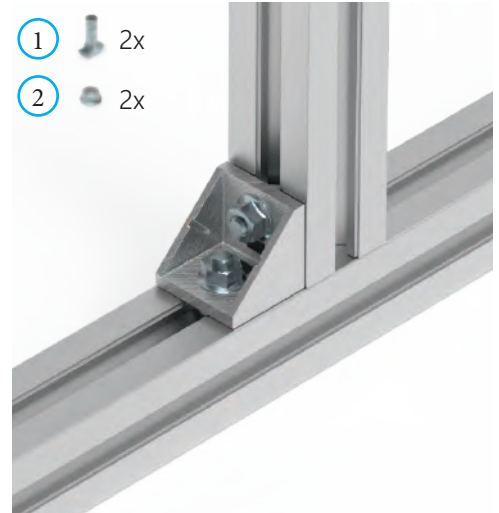
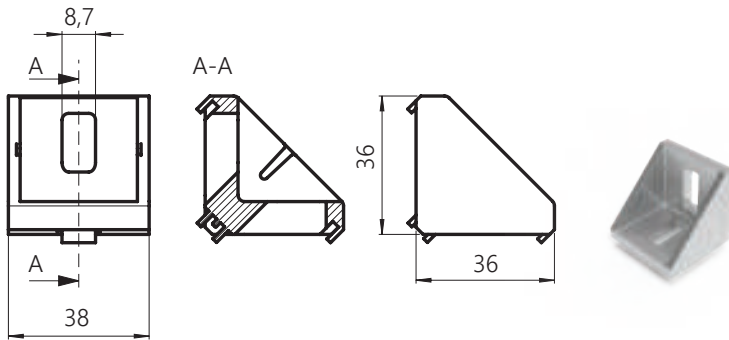
11102



Al. kotník 40 x 40
Al. bracket 40 x 40



Angolare al. 40 x 40
Al.-Winkel 40 x 40



- 1 2x
- 2 2x

Code

Zn	10		
		34g	11142

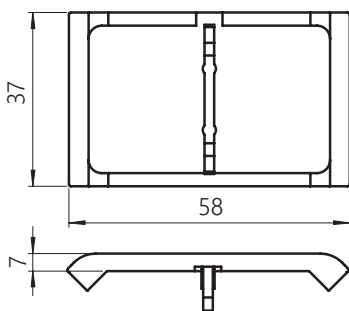
Assembly components - sold separately			Code
1	Hammer head screw M8x20		44 11047
2	Flange nut M8 16		45 11052



Pokrov za kotník 40 x 40
Cover cap for bracket 40 x 40



Tappo per angolare 40 x 40
Winkelabdeckkappe für 40 x 40



Code

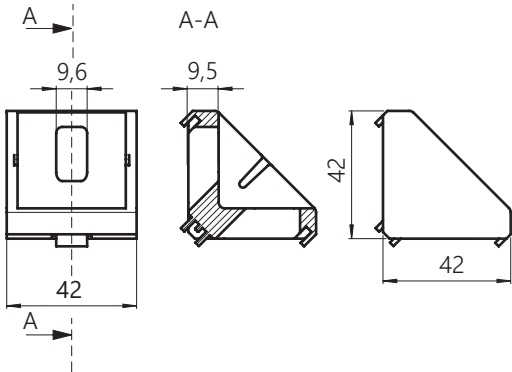
PA6 #		
	11g	11143



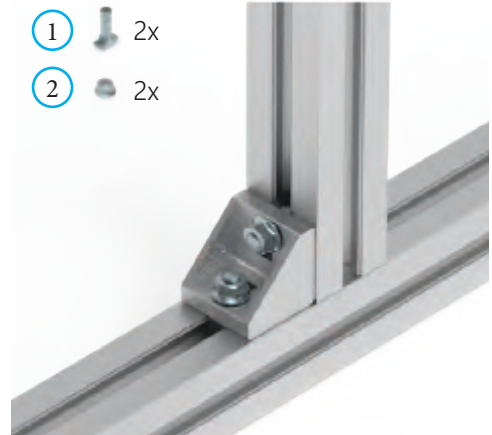
Al. kotník 45 x 45
Al. bracket 45 x 45



Angolare al. 45 x 45
Al.-Winkel 45 x 45



- 1 2x
- 2 2x



Code

Zn	10		
	50g		11103

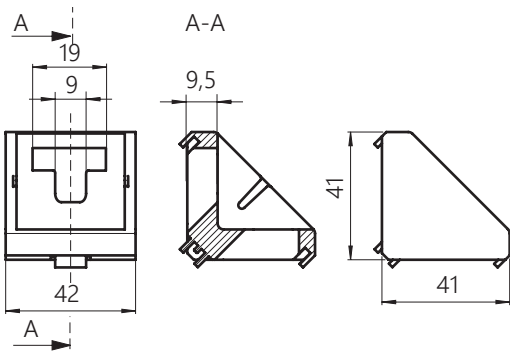
Assembly components - sold separately			Code
1	Hammer head screw M8x25	44	11048
2	Flange nut M8 16	45	11052



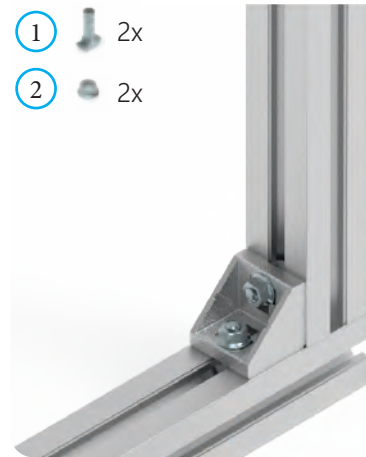
Al. kotník 45 x 45 T
Al. bracket 45 x 45 T



Angolare al. 45 x 45 T
Al.-Winkel 45 x 45 T



- 1 2x
- 2 2x



Code

Zn	10		
	50g		11161

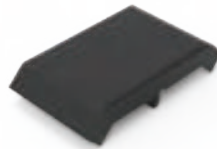
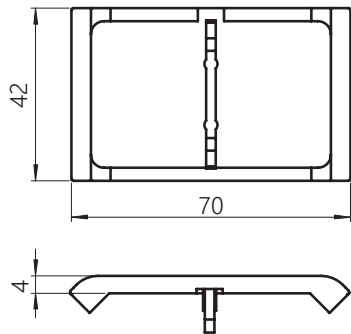
Assembly components - sold separately			Code
1	Hammer head screw M8x25	44	11048
2	Flange nut M8 16	45	11052



Pokrov za kotnik 45 x 45
Cover cap for bracket 45 x 45



Tappo per angolare 45 x 45
Winkelabdeckkappe für 45 x 45



Code



16g

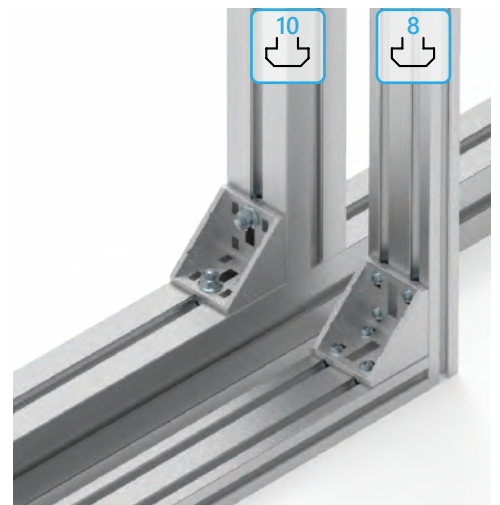
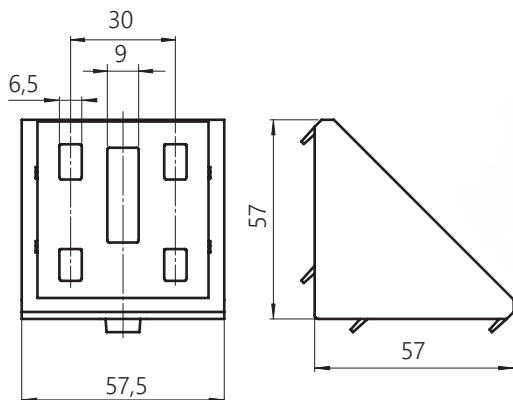
11104



Al. kotnik 60 x 60
Al. bracket 60 x 60



Angolare al. 60 x 60
Al.-Winkel 60 x 60

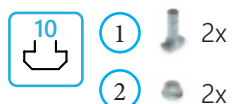
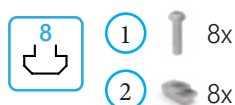


Code



108g

11105



Assembly components - sold separately		Code
1	Round-head screw M6x12	42 11017
2	Hammer nut M6 U8	47 11057



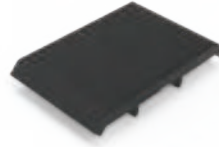
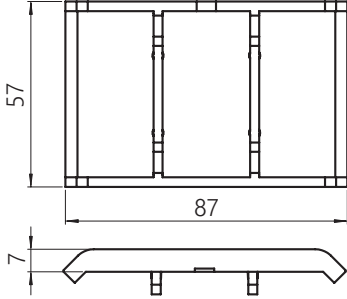
Assembly components - sold separately		Code
1	Hammer head screw M8x25	44 11048
2	Flange nut M8 16	45 11052



Pokrov za kotnik 60 x 60
Cover cap for bracket 60 x 60



Tappo per angolare 60 x 60
Winkelabdeckkappe für 60 x 60



Code

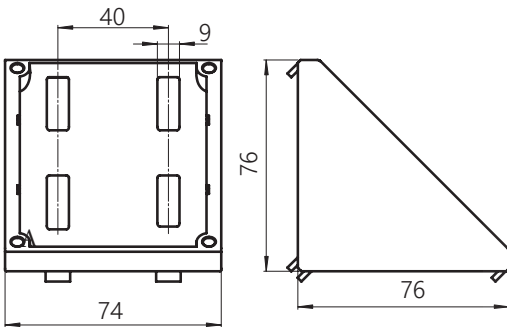
PA6 #		
	28g	11106



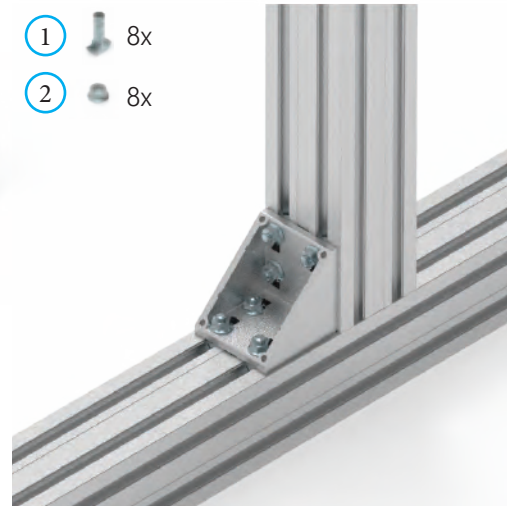
Al. kotnik 80 x 80
Al. bracket 80 x 80



Angolare al. 80 x 80
Al.-Winkel 80 x 80



- ① 8x
- ② 8x



Code

Zn		
	10	
	212g	11087

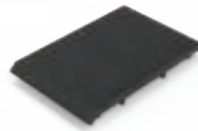
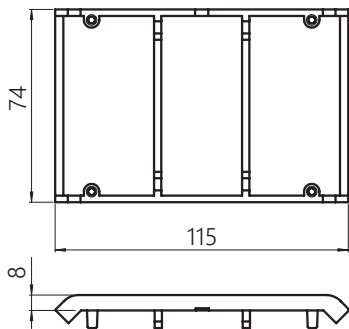
Assembly components - sold separately			Code
①	Hammer head screw M8x25	44	11048
②	Flange nut M8 16	45	11052



Pokrov za kotnik 80 x 80
Cover cap for bracket 80 x 80



Tappo per angolare 80 x 80
Winkelabdeckkappe für 80 x 80



Code



42g

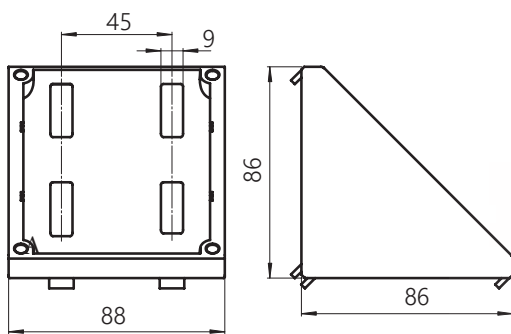
11088



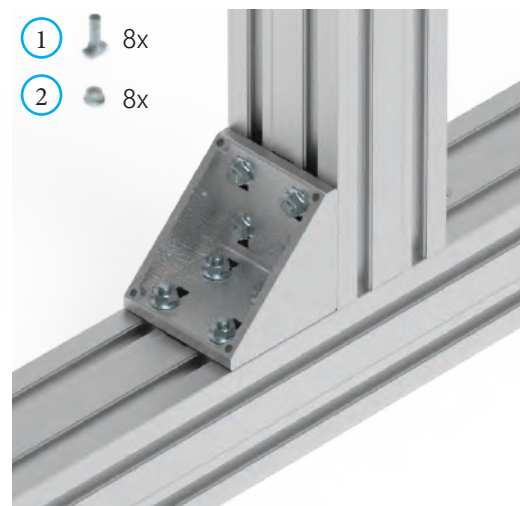
Al. kotnik 90 x 90
Al. bracket 90 x 90



Angolare al. 90 x 90
Al.-Winkel 90 x 90



- 1 8x
- 2 8x



Code



337g

11107

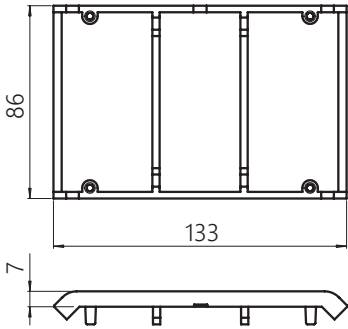
Assembly components - sold separately			Code
1	Hammer head screw M8x25	44	11048
2	Flange nut M8 16	45	11052



Pokrov za kotnik 90 x 90
Cover cap for bracket 90 x 90



Tappo per angolare 90 x 90
Winkelabdeckkappe für 90 x 90



Code

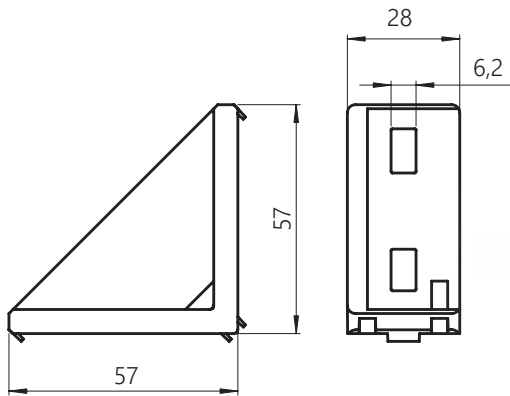
PA6 #		
63g	11108	



Al. kotnik 30 x 60
Al. bracket 30 x 60



Angolare al. 30 x 60
Al.-Winkel 30 x 60



- 1 4x
- 2 4x



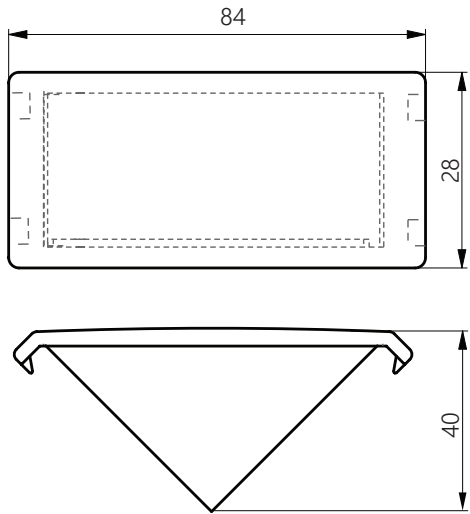
Code

Zn		
8		
56g	11109	

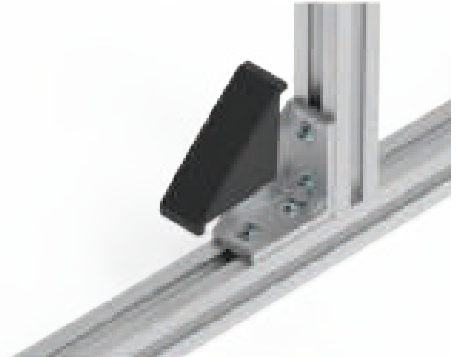
Assembly components - sold separately		Code
1	Round-head screw M6x12	42 11017
2	Hammer nut M6 U8	47 11057



Pokrov za kotnik 30 x 60
Cover cap for bracket 30 x 60



Tappo per angolare 30 x 60
Winkelabdeckkappe für 30 x 60



Code

PA6
#

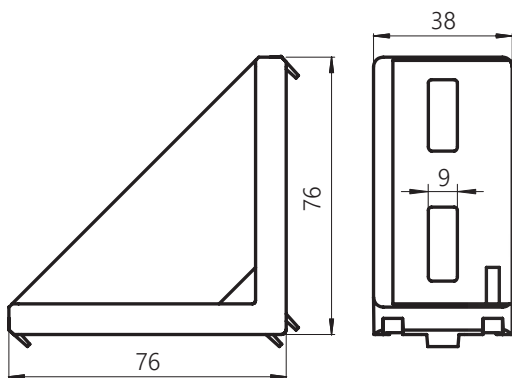


14g

11163



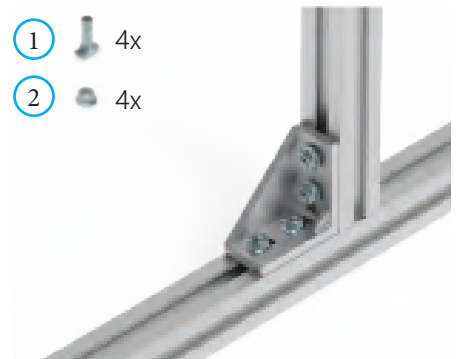
Al. kotnik 40 x 80
Al. bracket 40 x 80



Angolare al. 40 x 80
Al.-Winkel 40 x 80



- 1 4x
- 2 4x



Code

Zn

10



116g

11084

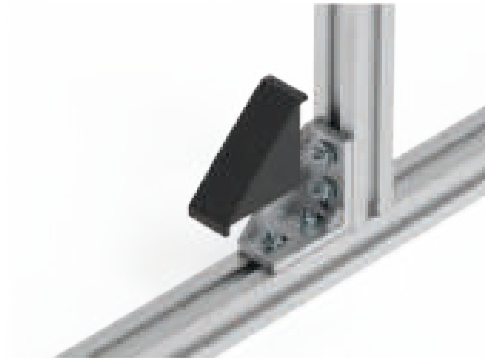
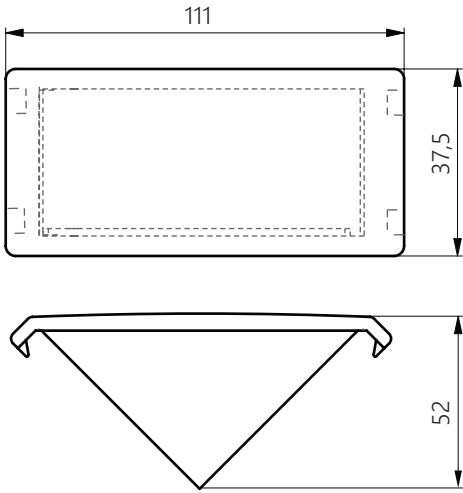
Assembly components - sold separately			Code
1	Hammer head screw M8x25	44	11048
2	Flange nut M8 16	45	11052



Pokrov za kotnik 40 x 80
Cover cap for bracket 40 x 80



Tappo per angolare 40 x 80
Winkelabdeckkappe für 40 x 80



Code

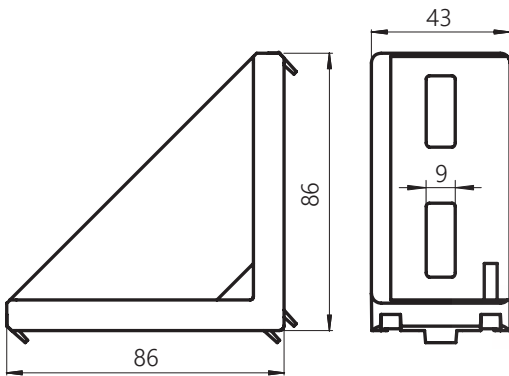
PA6 #		
	26g	11085



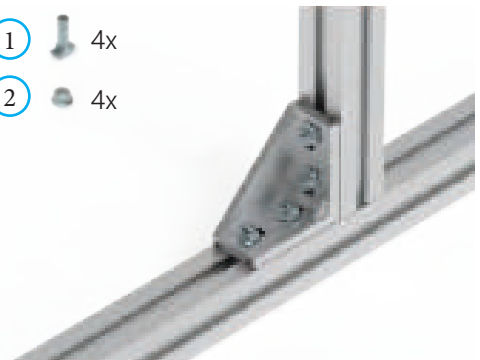
Al. kotnik 45 x 90
Al. bracket 45 x 90



Angolare al. 45 x 90
Al.-Winkel 45 x 90



- ① 4x
- ② 4x



Code

Zn	10		
		154g	11110

Assembly components - sold separately			Code
①	Hammer head screw M8x25	44	11048
②	Flange nut M8 16	45	11052



Pokrov za kotnik 45 x 90



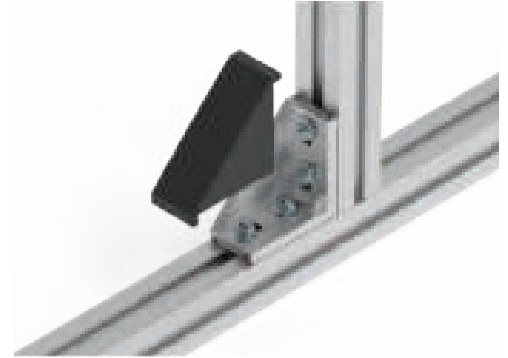
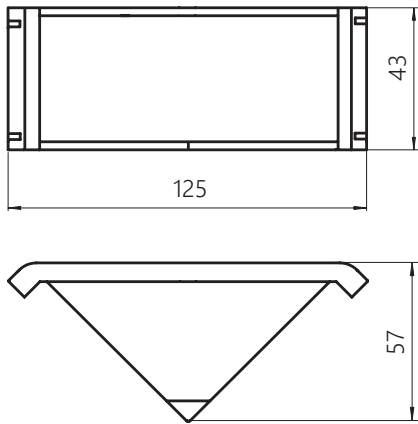
Cover cap for bracket 45 x 90



Tappo per angolare 45 x 90



Winkelabdeckkappe für 45 x 90



		Code	
PA6 #			
	34g	11086	



Kotnik vogalni 30 x 30



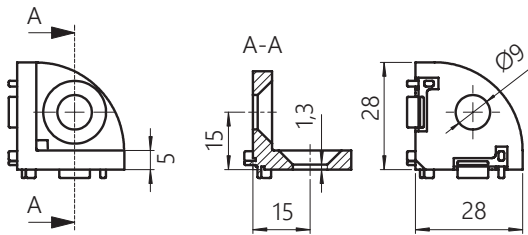
3-way connection angle 30 x 30



Angolare a 3-vie 30 x 30



Eckwinkel 30 x 30



		Code	
Zn	8		
		38g	11111

Assembly components - sold separately			Code
1	Countersunk screw M8x25	43	11029



Pokrov za kotnik vogalni 30 x 30



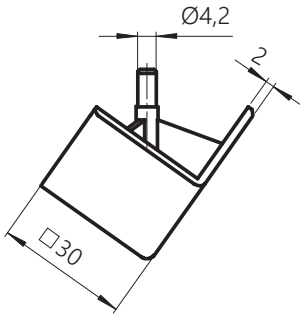
Tappo per angolare a 3-vie 30 x 30



Cover cap for 3-way connection angle 30 x 30



Abdeckkappe für Eckwinkel 30 x 30



Code

PA6 #		
8g		11112



Pokrov za kotnik vogalni 30 x 30 R



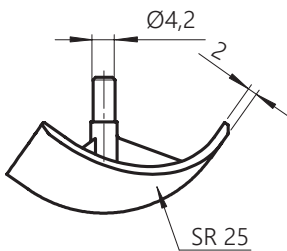
Tappo per angolare a 3-vie 30 x 30 R



Cover cap for 3-way connection angle 30 x 30 R



Abdeckkappe für Eckwinkel 30 x 30 R



Code

PA6 #		
6g		11113



Kotnik vogalni 40 x 40



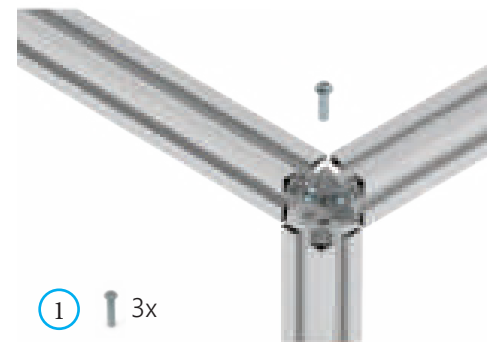
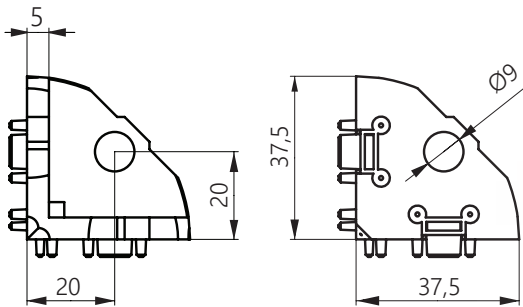
3-way connection angle 40 x 40



Angolare a 3-vie 40 x 40



Eckwinkel 40 x 40



① 3x

Code

Zn	10		
		76g	11145

Assembly components - sold separately

Code

①	Round-head screw M8x25		42	11024
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Pokrov za kotnik vogalni 40 x 40



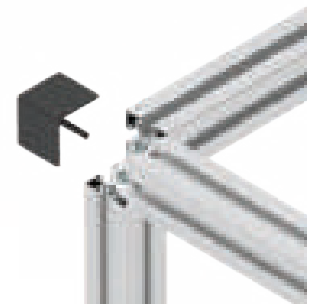
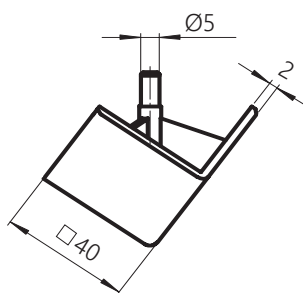
Cover cap for 3-way connection angle 40 x 40



Tappo per angolare a 3-vie 40 x 40



Abdeckkappe für Eckwinkel 40 x 40



Code

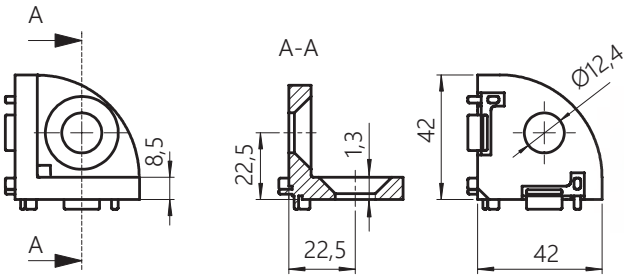
PA6 #		
	16g	11146



Kotnik vogalni 45 x 45
3-way connection angle 45 x 45



Angolare a 3-vie 45 x 45
Eckwinkel 45 x 45



			Code
Zn	10		
			46g
			11114

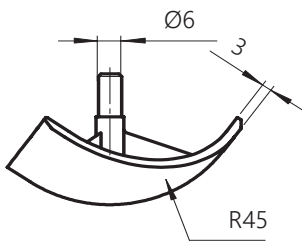
Assembly components - sold separately			Code
1	Countersunk screw M8x25		43 11029



Pokrov za kotnik vogalni 45 x 45 R
Cover cap for 3-way connection angle 45 x 45 R



Tappo per angolare a 3-vie 45 x 45 R
Abdeckkappe für Eckwinkel 45 x 45 R



			Code
PA6	#		
			18g
			11115



Pokrov za kotnik vogalni 45 x 45



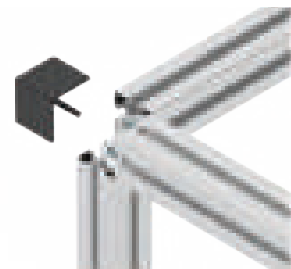
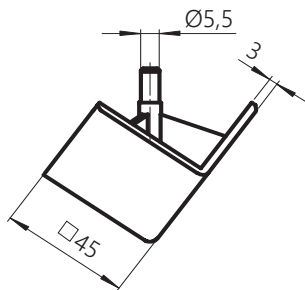
Cover cap for 3-way connection angle 45 x 45



Tappo per angolare a 3-vie 45 x 45



Abdeckkappe für Eckwinkel 45 x 45



Code



16g

11172



Kotnik kocka 3D



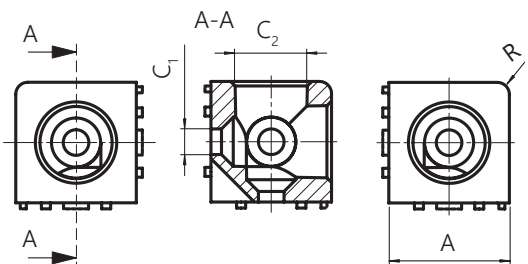
Cube connector 3D



Connettore cubico 3D



Würfelverbinder 3D



① 3x



Code



A

C₁

C₂

R



8

30

9

18

2

38g

11147

10

40

8,5

24

4

94g

11148

10

45

13

24

3

140g

11149

Assembly components - sold separately

Code

①

Countersunk screw M8x25



43

11029



Kotník 40 x 40 - 45°



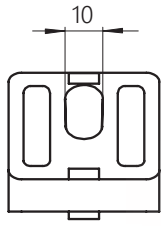
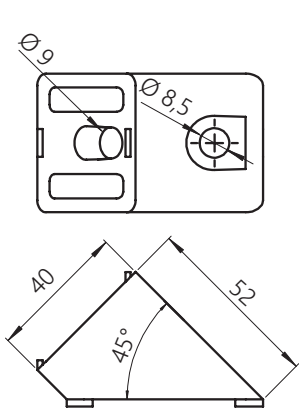
Angolare 40 x 40 - 45°



Angle connector 40 x 40 - 45°



Winkelverbinder 40 x 40 - 45°



- ① 1x
- ② 1x
- ③ 1x



Code

Zn	10		
		208g	11144

Assembly components - sold separately			Code
①	Cylinder head screw M8x16	42	11007
②	Hammer nut M8 U10	47	11061
③	Cylinder head screw M8x20	42	11008



Kotník 30 x 30 - 45°



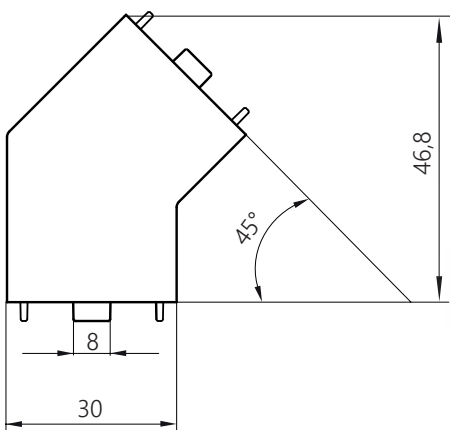
Angolare 30 x 30 - 45°



Angle connector 30 x 30 - 45°



Winkelverbinder 30 x 30 - 45°



- ① 2x



Code

Al	8		
		50g	11167

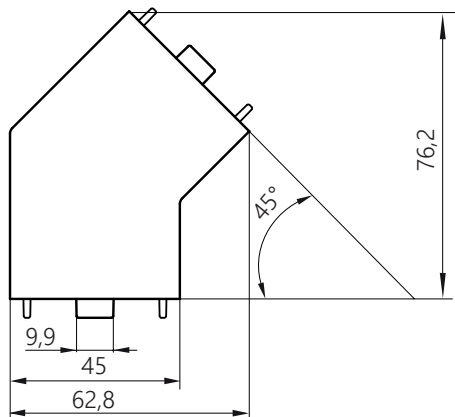
Assembly components - sold separately			Code
①	Cylinder head screw M8x20	42	11008



Kotník 45 x 45 - 45°



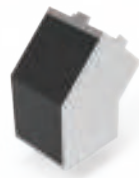
Angle connector 45 x 45 - 45°



Angolare 45 x 45 - 45°



Winkelverbinder 45 x 45 - 45°



- ① 2x
- ② 2x



Code

AI	10		
			160g
			11091

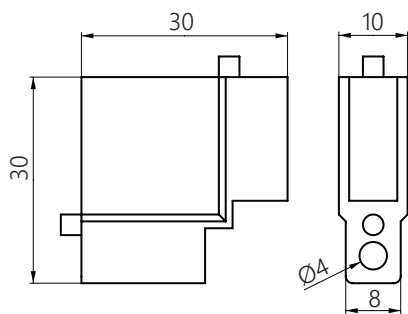
Assembly components - sold separately			Code
①	Cylinder head screw M8x40	42	11010
②	Washer	46	11054



Kotník profila mreže



Corner connector for grid profile



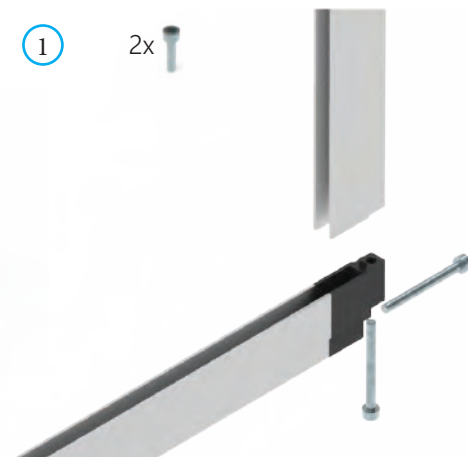
Raccordo d'angolo-profilo per griglia



Eckverbinder für Gitter



- ① 2x



Code

PP	8/10		
			4g
			11116

Assembly components - sold separately			Code
①	Cylinder head screw M4x40	42	11026



Kotník notranji 90°



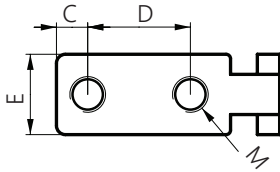
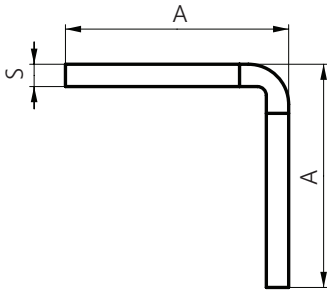
Angolare interno 90°



Inner connector 90°



Innenverbinder 90°



① 4x



* Only for profile 40

Code

Zn Fe	8/10	M	A	C	D	E	S		
		6	40	7	20	16	3	24g	11117
		8	50	7	22,5	18	3	32g	11157*
		8	50	7	22,5	18	5	50g	11118

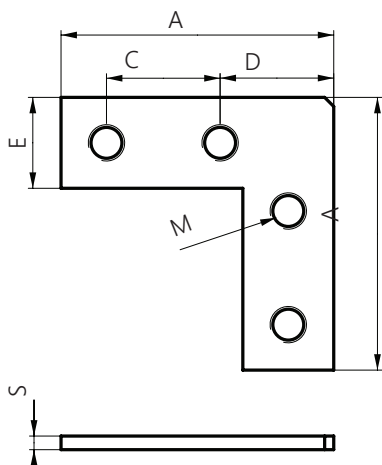
		Assembly components - sold separately		Code
8	①	Threaded insert M6x8	43	11031
10	②	Threaded insert M8x10	43	11033



Kotnik zunanji 90°
Outer connector 90°



Angolare esterno 90°
Aussenverbinder 90°



Code

Zn Fe	8/10	M	A	C	D	E	S		Code
	8	6	46	20	19	16	3	36g	11119
	10	8	60	25	25	20	3	42g	11120

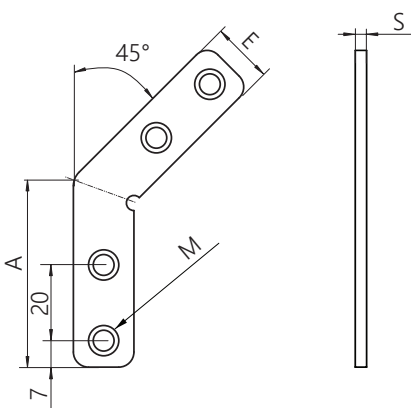
		Assembly components - sold separately	Code
8	1	Threaded insert M6x8	43 11031
10	2	Threaded insert M8x10	43 11033



Kotnik zunanji 45°
Outer connector 45°



Angolare esterno 45°
Aussenverbinder 45°



1 4x



Code

Zn Fe	10	M	A	E	S		Code
	10	8	45	16	3	100g	11093

	Assembly components - sold separately	Code
1	Threaded insert M8x10	43 11033



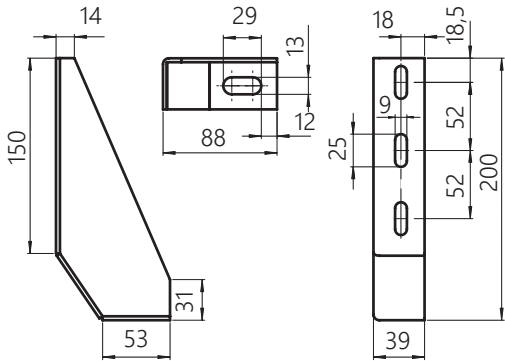
Kotník temeljni

Floor bracket



Angolare di base

Bodenwinkel



- ① 3x
- ② 3x



Code



434g

11121

Assembly components - sold separately			Code
①	Hammer head screw M8x20	44	11047
②	Flange nut M8 16	45	11052



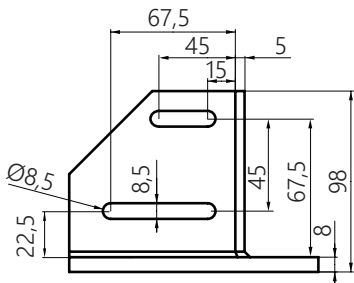
Temeljna plošča univerzalna

Foot console

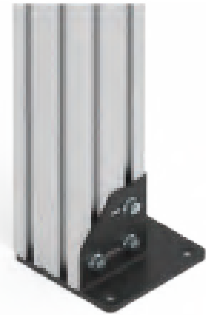


Piastra di base universale

Fusskonsole universal



- ① 4x
- ② 4x
- ① 6x
- ② 6x

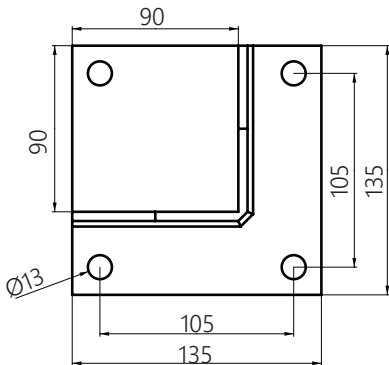


Code



1718g

11137*



Assembly components - sold separately			Code
8	①	Round-head screw M8x14	42 11022
	②	Square nut M8	48 11064
10	①	Hammer head screw M8x20	44 11047
	②	Flange nut M8 16	45 11052

*

 Za profil | For profile | Per profilo | Für Profile
 30 x 30, 30 x 60, 30 x 90 | 40 x 40, 40 x 80 | 45 x 45, 45 x 90, 45 x 60 | 60 x 60 | 80 x 80 | 90 x 90



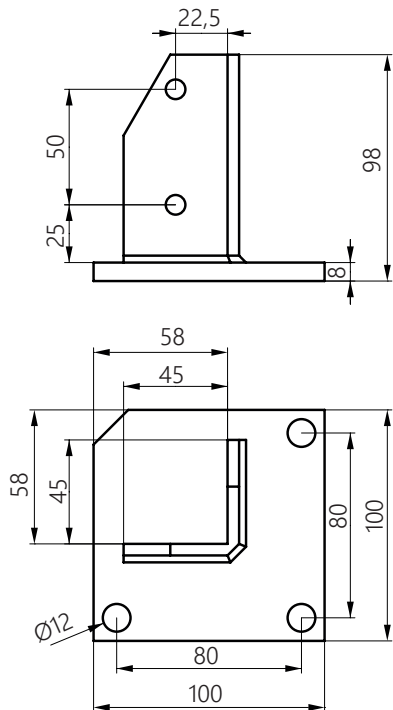
Temeljna ploča za 45 x 45

Foot console 45 x 45



Piastra di base per 45 x 45

Fusskonsole für 45 x 45



- ① 4x
- ② 4x



Code

Zn Fe	10		
904g			11160

Code	Assembly components - sold separately	Code
10	① Hammer head screw M8x20 44	11047
	② Flange nut M8 16 45	11052



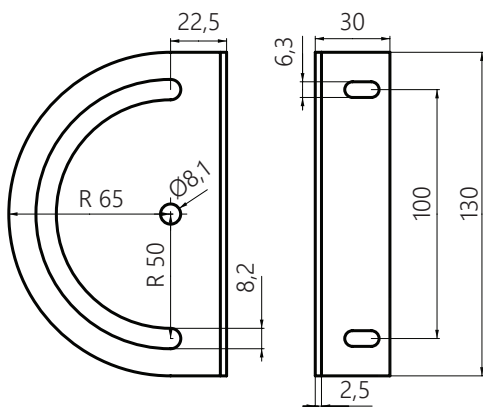
Nosilec nastavljivi 180°

Adjustable pivot bracket 180°



Supporto regolabile 180°

Einstellbare Halterung 180°



- ① 2x
- ② 3x
- ③ 1x
- ④ 1x
- ⑤ 1x



Code

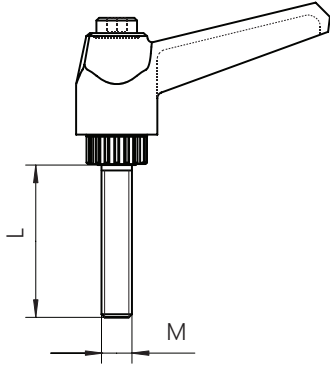
Zn Fe	8/10		
216g			11122

Code	Assembly components - sold separately	Code
8	① Round-head screw M6x10 42	11016
	② Square nut M6 U8 48	11063
	③ Round-head screw M8x10 42	11021
	④ Square nut M8 U8 48	11064
	⑤ Clamping lever 76	11158

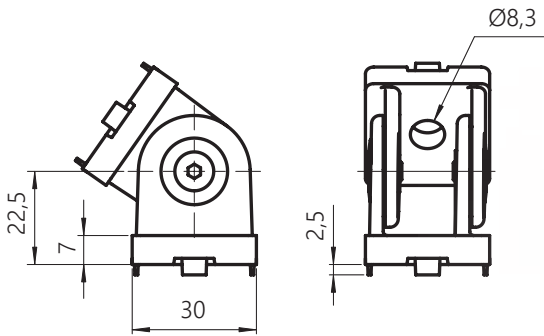
Code	Assembly components - sold separately	Code
10	① Round-head screw M6x12 42	11017
	② Square nut M6 U10 47	11060
	③ Round-head screw M8x14 42	11022
	④ Square nut M8 U10 48	11066
	⑤ Clamping lever 76	11159



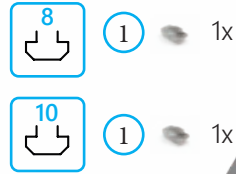
Zatezna ročica
Clamping lever



Zglob 30 x 30
Pivot joint 30 x 30



Maniglia di bloccaggio
Klemmhebel



Code

Zn Fe	8/10	M	L		
		6	10	33g	11158
		8	16	35g	11159

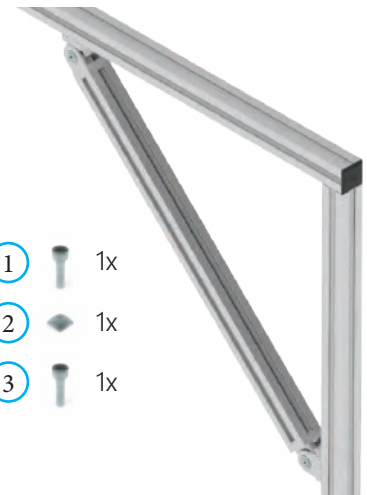
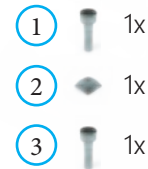
		Assembly components - sold separately		Code
8	1	Hammer nut M6 U8	47	11057
10	2	Hammer nut M8 U10	47	11061



Zglob 30 x 30
Pivot joint 30 x 30



Snodo regolabile 30 x 30
Gelenk 30 x 30



Code

Zn Fe	8		
		138g	11123

Površina	Sivo lakirano
Surface	Silver laquered
Superficie	Grigio laccato
Oberfläche	Silber lackiert

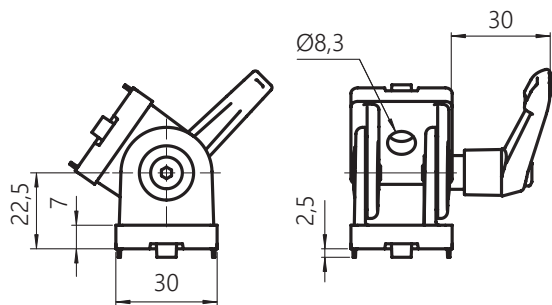
	Assembly components - sold separately		Code
1	Cylinder head screw M8x16	42	11007
2	Square nut M8 U8	48	11064
3	Cylinder head screw M8x20	42	11008



Zglob 30 x 30 z ročico
Pivot joint with locking lever 30 x 30



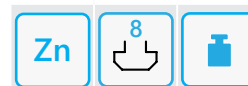
Snodo 30 x 30 regolabile con maniglia
Gelenk 30 x 30 mit Klemmhebel



1 2x



Code



150g 11124

Površina Sivo lakirano
Surface Silver laquered
Superficie Grigio laccato
Oberfläche Silber lackiert

Assembly components - sold separately

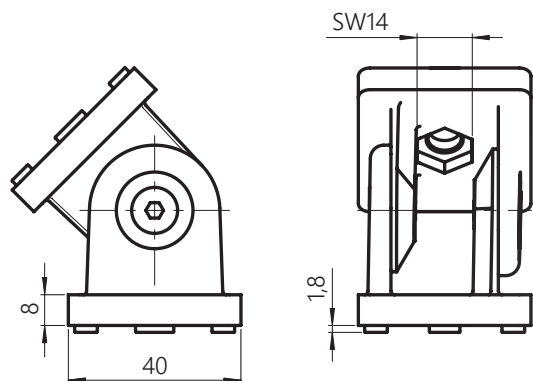
Code	Description	Quantity	Code
1	Cylinder head screw M8x20	42	11008



Zglob 40 x 40
Pivot joint 40 x 40



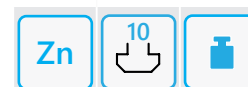
Snodo regolabile 40 x 40
Gelenk 40 x 40



1 2x



Code



150g 11150

Površina Sivo lakirano
Surface Silver laquered
Superficie Grigio laccato
Oberfläche Silber lackiert

Assembly components - sold separately

Code	Description	Quantity	Code
1	Cylinder head screw M8x20	42	11008



Zglob 40 x 40 z ročico



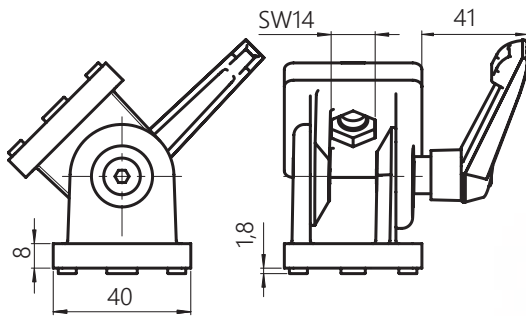
Snodo 40 x 40 regolabile con maniglia



Pivot joint 40 x 40 with locking lever



Gelenk 40 x 40 mit Klemmhebel



① 2x



Code

Zn	10		
		310g	11151

Površina	Sivo lakirano
Surface	Silver laquered
Superficie	Grigio laccato
Oberfläche	Silber lackiert

Assembly components - sold separately

Code

①	Cylinder head screw M8x20		42	11008
---	---------------------------	--	----	-------



Zglob 40 x 80



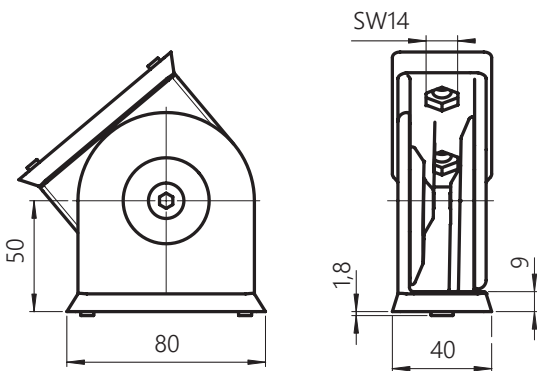
Snodo regolabile 40 x 80



Pivot joint 40 x 80

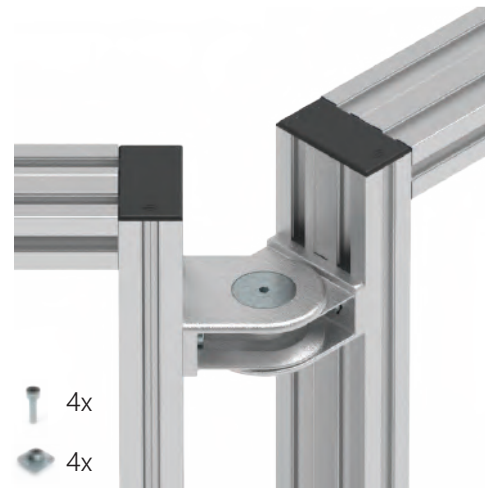


Gelenk 40 x 80



① 4x

② 4x



Code

Zn	10		
		1000g	11089

Površina	Sivo lakirano
Surface	Silver laquered
Superficie	Grigio laccato
Oberfläche	Silber lackiert

Assembly components - sold separately

Code

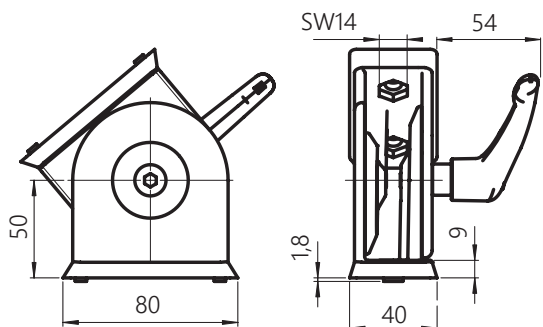
①	Cylinder head screw M8x16		42	11007
②	Square nut M8 U10		48	11066



Zglob 40 x 80 z ročico



Pivot joint 40 x 80 with locking lever



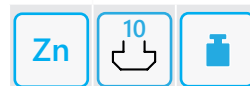
Snodo 40 x 80 regolabile con maniglia



Gelenk 40 x 80 mit Klemmhebel



Code



1158g 11090

Površina	Sivo lakirano
Surface	Silver laquered
Superficie	Grigio laccato
Oberfläche	Silber lackiert

Assembly components - sold separately

	Code
1 Cylinder head screw M8x20	11008



Zglob 45 x 45



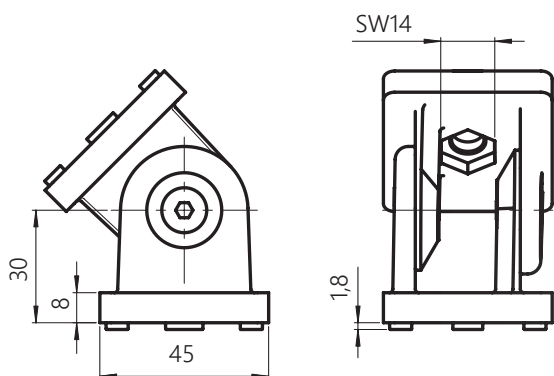
Pivot joint 45 x 45



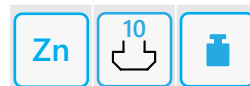
Snodo regolabile 45 x 45



Gelenk 45 x 45



Code



322g 11125

Površina	Sivo lakirano
Surface	Silver laquered
Superficie	Grigio laccato
Oberfläche	Silber lackiert

Assembly components - sold separately

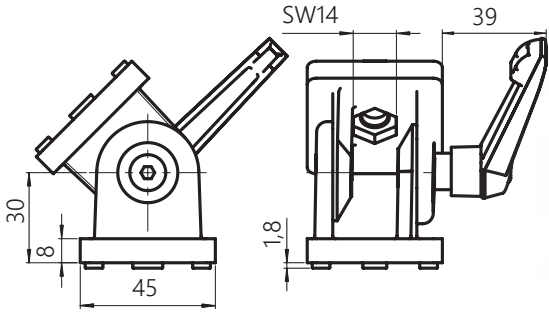
	Code
1 Cylinder head screw M8x20	11008



Zglob 45 x 45 z ročico
Pivot joint 45 x 45 with locking lever



Snodo 45 x 45 regolabile con maniglia
Gelenk 45 x 45 mit Klemmhebel



① 2x



Code

Zn	10		
			354g
			11126

Površina	Sivo lakirano
Surface	Silver laquered
Superficie	Grigio laccato
Oberfläche	Silber lackiert

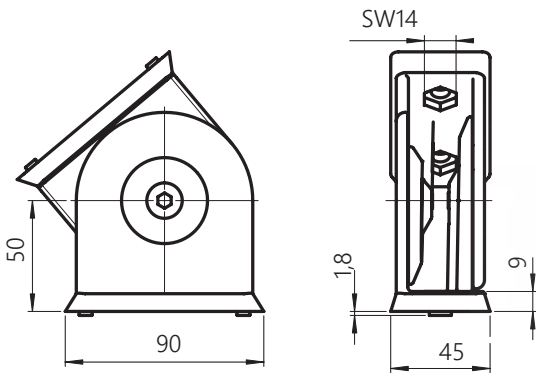
Assembly components - sold separately			Code
①	Cylinder head screw M8x20	42	11008



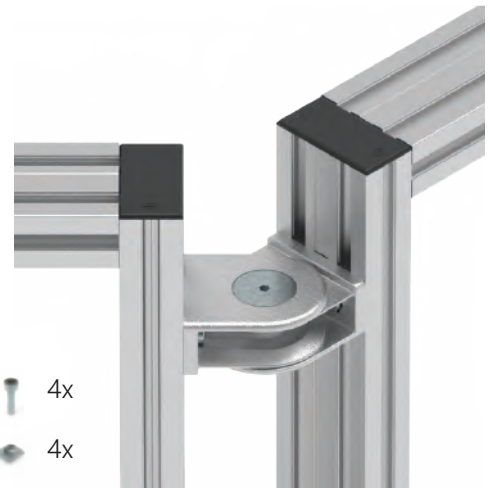
Zglob 45 x 90
Pivot joint 45 x 90



Snodo regolabile 45 x 90
Gelenk 45 x 90



① 4x
② 4x



Code

Zn	10		
			1032g
			11127

Površina	Sivo lakirano
Surface	Silver laquered
Superficie	Grigio laccato
Oberfläche	Silber lackiert

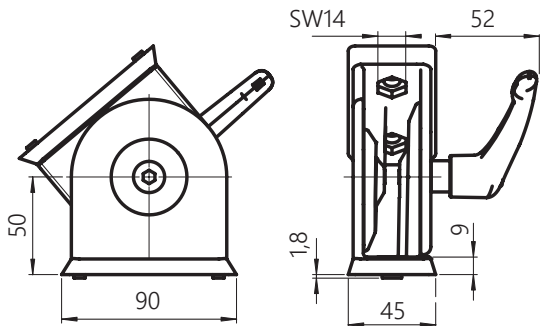
Assembly components - sold separately			Code
①	Cylinder head screw M8x16	42	11007
②	Square nut M8 U10	48	11066



Zglob 45 x 90 z ročico



Pivot joint 45 x 90 with locking lever



Snodo 45 x 90 regolabile con maniglia



Gelenk 45 x 90 mit Klemmhebel



1 4x



Code

Zn	10		
		1166g	11128

Površina	Sivo lakirano
Surface	Silver laquered
Superficie	Grigio laccato
Oberfläche	Silber lackiert

Assembly components - sold separately

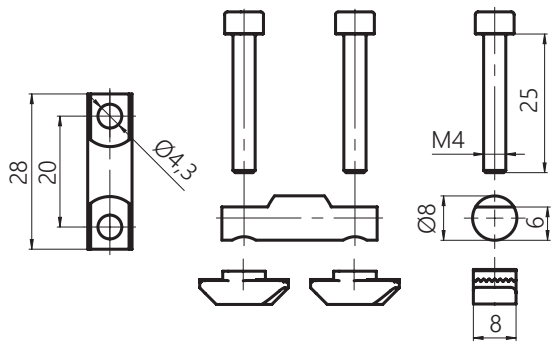
1	Cylinder head screw M8x20		42	Code	11008
---	---------------------------	--	----	------	-------



Spojní element Ø8



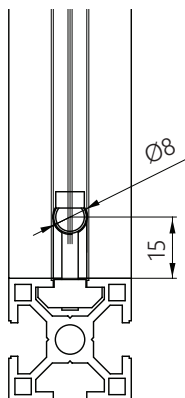
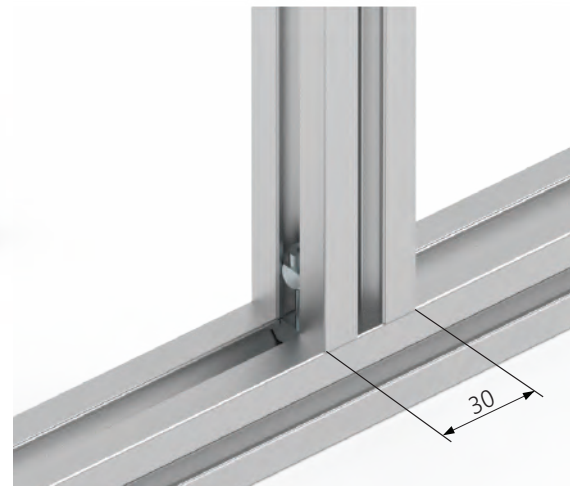
Bolt connector Ø8



Connettore con dado Ø8



Bolzenverbinder Ø8



Code

Zn	8		
		23g	11129



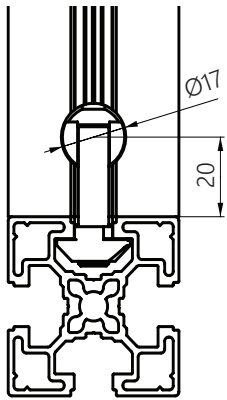
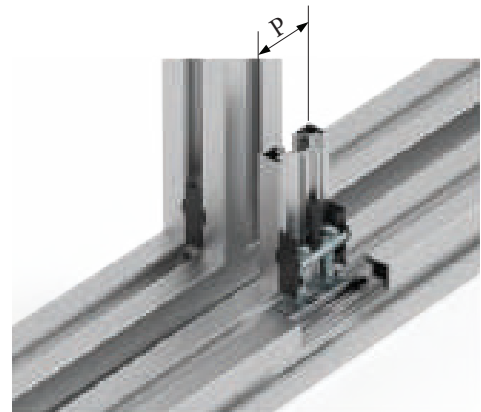
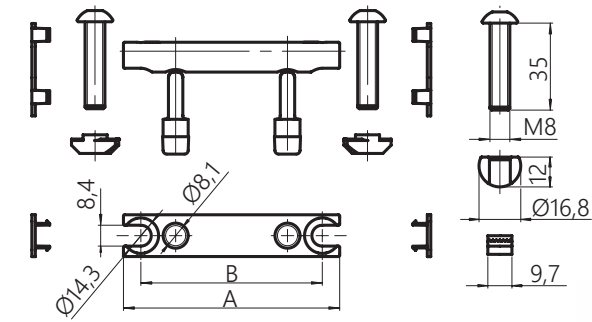
Spojni element Ø17

Bolt connector Ø17



Connettore con dado Ø17

Bolzenverbinder Ø17



Code

Zn Fe	10	P	A	B	Weight	Code
		40	37	23	68g	11152
		45	42	27,5	76g	11133
		60	57	43	95g	11138
		80	77	63	118g	11092
		90	87	73	130g	11134



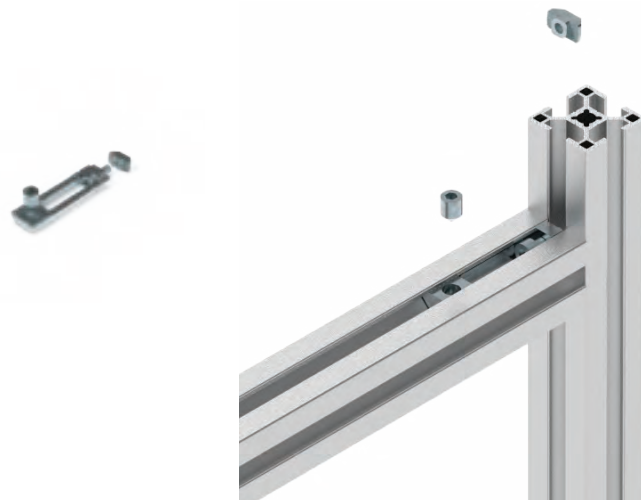
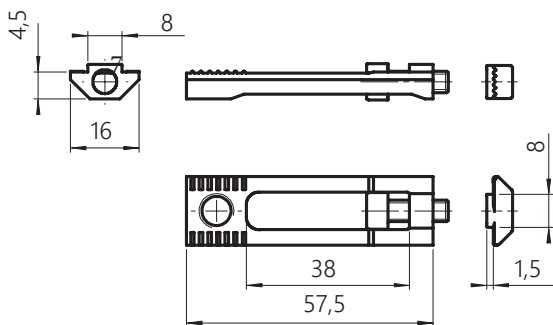
Spojni element profila U8

Milling connector profile U8



Raccordo per profilo C8

Fräsverbinder Profil U8



Code

Zn Fe	8	Weight	Code
		28g	11135



Spoj set - samorezni vijak U8



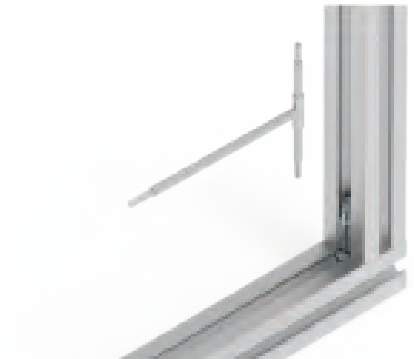
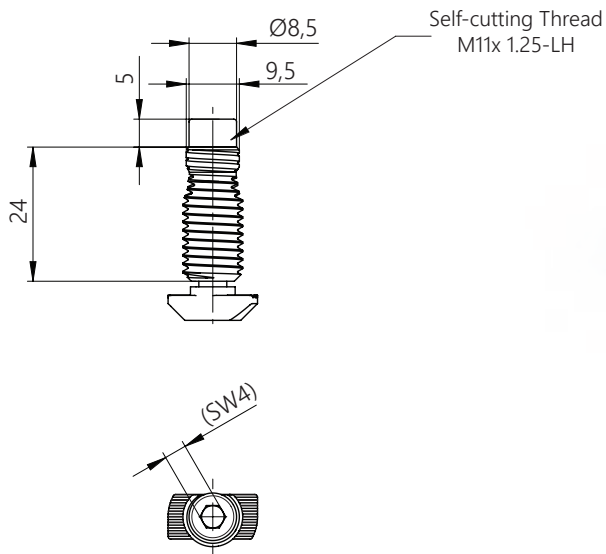
Set vite autofiletante - C8



Set cutting screw - U8



Automatikverbinder U8



			Code
Zn Fe	8		
			28g 11173



Spojni element profila U10



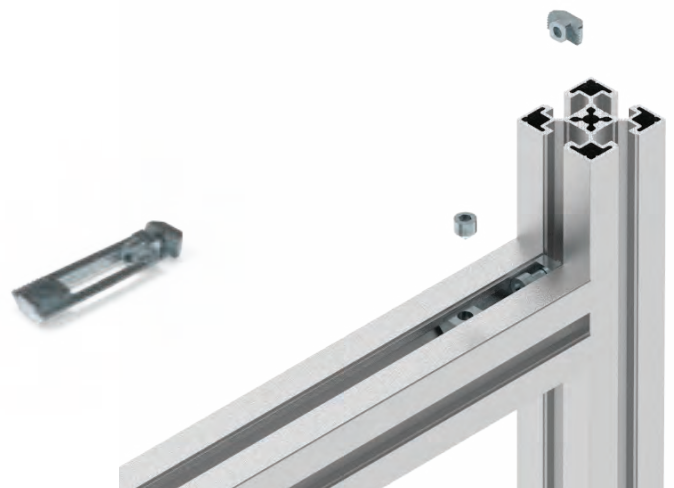
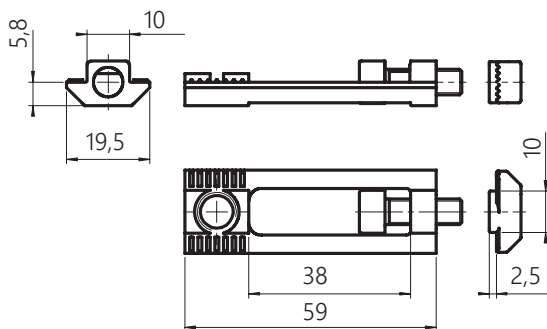
Raccordo per profilo C10



Milling connector profile U10



Fräsverbinder Profil U10



			Code
Zn Fe	10		
			38g 11136



Centralni spojni element 0°/90°



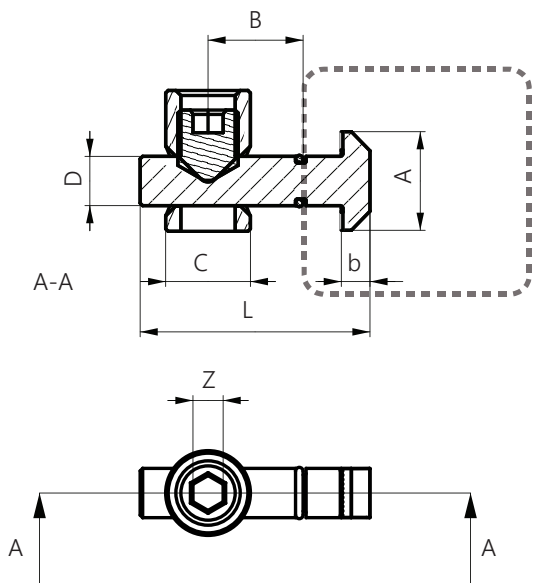
Raccordo centrale 0°/90°



Central connector 0°/90°



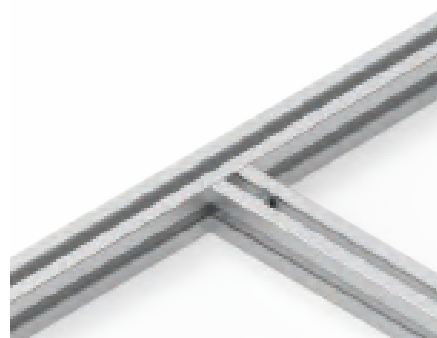
Zentralverbinder 0°/90°



0°



90°



Code

Zn Fe	10/8	Version	A	B	C	b	D	L	Z	Weight	Code	
		8	0°	15,5	18	11	5	7	33	4	20g	11153
		8	90°	15,5	18	11	5	7	33	4	20g	11154
		10	0°	19,5	24	17	5,5	9,7	45,5	6	56g	11155*
		10	90°	19,5	24	17	5,5	9,7	45,5	6	56g	11156*

Ni primeren za profil | Not suitable for profile | Non è adatto per profilo | Nicht geeignet für Profil

40x40

*



Spoj set - samorezni vijak U10



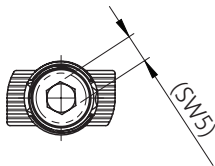
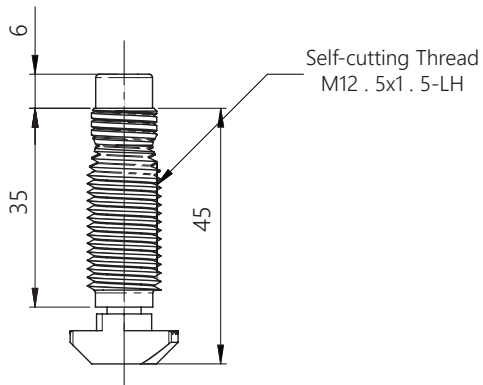
Set cutting bushing U10



Raccordo con vite autofiletante C10



Automatikverbinder U10



Code



38g

11174



Spojni element 30° - 180° U10



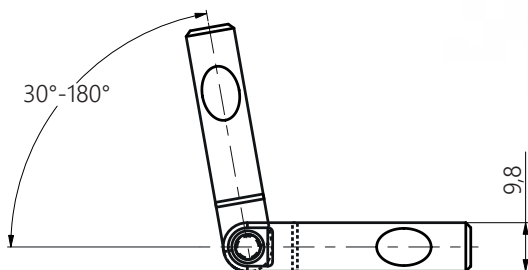
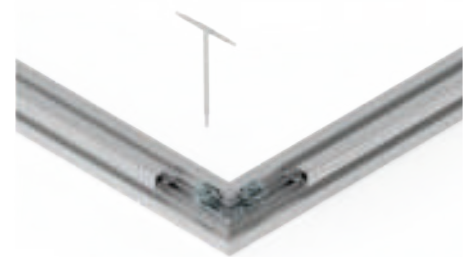
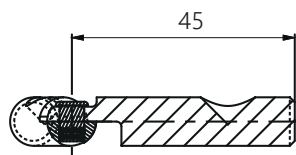
Mitre connector 30° - 180° U10



Raccordo 30° - 180° C10



Gehrungsverbinder 30° - 180° U10



Code



96g

11175





LIPRO








Pribor
Accessories
Accessori
Zubehör





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Pokrovi profilov



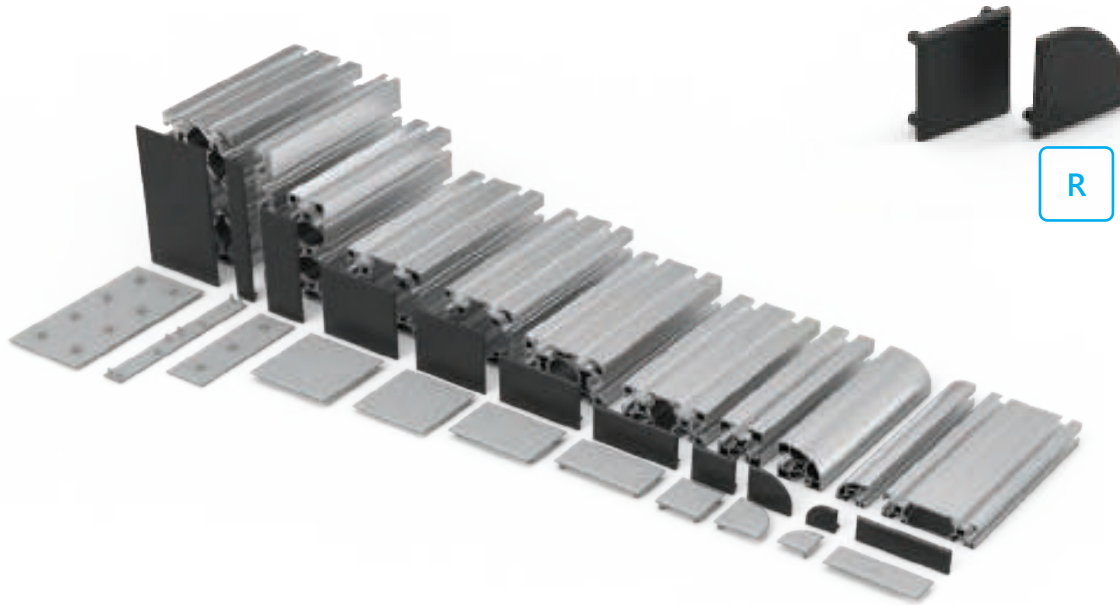
Tappi per profili



Cover caps



Abdeckkappen



R

PA6	Description	*		Code	
				A	B
	PA 18,5 X 32 4 mm	*	2g	12001	12127
	PA 30 X 30 4 mm	*	4g	12002	12128
	PA 30 X 30 4 mm R	*	4g	12003	12129
	PA 30 X 60 4 mm	*	8g	12004	12130
	PA 30 X 90 4 mm	*	11g	12005	12131
	PA 40 X 40 4 mm	*	7g	12124	12132
	PA 40 X 80 4 mm	*	14g	12143	12183
	PA 45 X 45 4 mm	*	10g	12006	12133
	PA 45 X 45 4 mm R	*	8g	12007	12134
	PA 45 X 60 4 mm	*	12g	12008	12135
	PA 45 X 90 4 mm	*	50g	12009	12136
	PA 45 X 135 4mm	*	25g	12010	12137
	PA 60 X 60 4 mm	*	14g	12011	12138
	PA 60 X 90 4 mm	*	22g	12012	12139
	PA 80 X 80 4 mm	*	28g	12144	12184
	PA 90 X 90 4 mm	*	34g	12013	12140
	PA 90 X 180 4 mm	*	74g	12014	12141
	PA 22,5 X 180 4 mm	*	16g	12015	12142

	A	B
Barva	Črna	Siva
Color	Black	Gray
Colore	Nero	Grigio
Farbe	Schwarz	Grau

* Ostale barve po naročilu
 Other colors upon request
 Altri colori a richiesta
 Andere Farben auf Bestellung



Profil pokrívni PA, AL



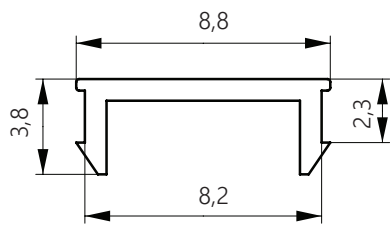
Profilo di copertura PA, AL



Cover profile PA, AL



Abdeckprofil PA, AL



* Ostale barve po naračilu
Other colors upon request
Altri colori a richiesta
Andere Farben auf Bestellung



		Code	
Description			
PA 2000 mm U8 black*	11g/m	12016	
PA 2000 mm U8 gray*	11g/m	12017	
AL 2000 mm U8 nature	43g/m	12101	



Profil pokrívni PA, AL



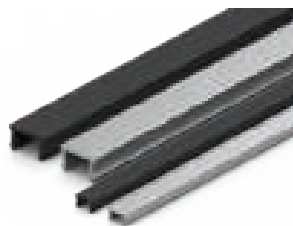
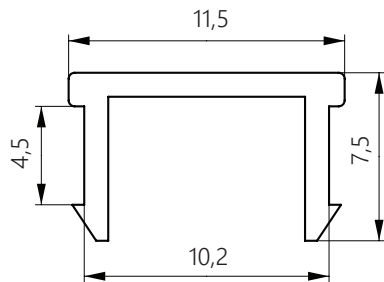
Profilo di copertura PA, AL



Cover profile PA, AL



Abdeckprofil PA, AL



* Ostale barve po naračilu
Other colors upon request
Altri colori a richiesta
Andere Farben auf Bestellung



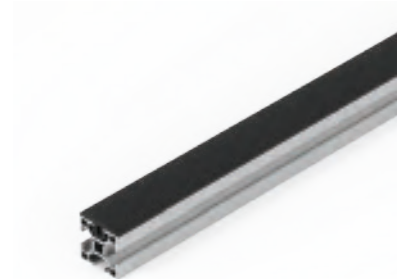
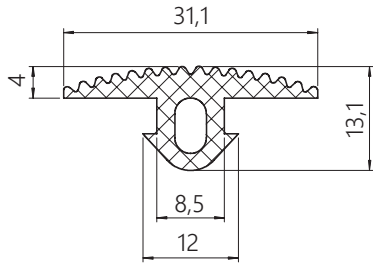
		Code	
Description			
PA 2000 mm U10 black*	26g/m	12018	
PA 2000 mm U10 gray*	26g/m	12019	
AL 2000 mm U10 nature	60g/m	12100	



Profil pokrivni črn
Cover profile black



Profilo di copertura nero
Abdeckprofil schwarz



Barva	Črna
Color	Black
Colore	Nero
Farbe	Schwarz

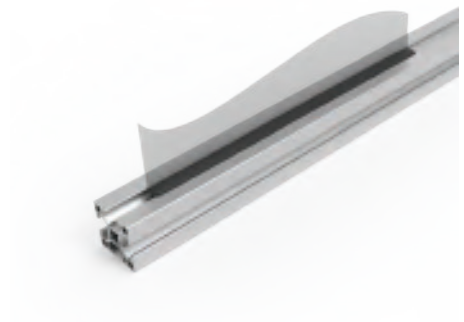
		Code	
NBR	8	Description	
		Cover Profile black	206g/m 12115



Guma za polnilo 1,5-2
Gasket for panels 1,5-2



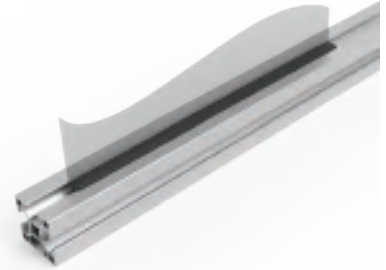
Guarnizione per pannelli 1,5-2
Einfassprofil 1,5-2



Barva	Črna
Color	Black
Colore	Nero
Farbe	Schwarz

		Code	
TPE	10	Description	
		Gasket for panels 1,5-2 mm	112g/m 12020

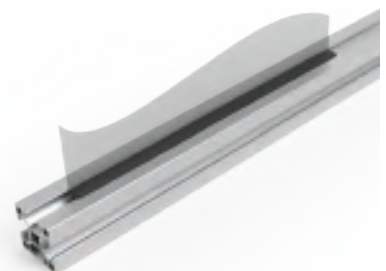
	Guma za polnilo 3-7		Guarnizione per pannelli 3-7
	Gasket for panels 3-7		Einfassprofil 3-7



Barva	Črna
Color	Black
Colore	Nero
Farbe	Schwarz

			Code
		Description	
	8	Gasket for panels 3-5 mm	45g/m 12021
	10	Gasket for panels 5-7 mm	45g/m 12021

	Guma za polnilo 1-5		Guarnizione per pannelli 1-5
	Gasket for panels 1-5		Einfassprofil 1-5



Barva	Črna
Color	Black
Colore	Nero
Farbe	Schwarz

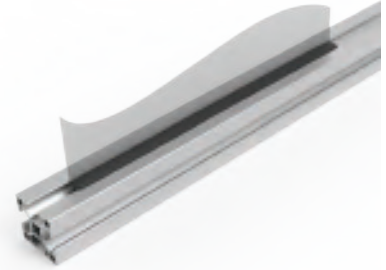
			Code
		Description	
	8	Gasket for panels 1-3 mm	72g/m 12022
	10	Gasket for panels 3-5 mm	72g/m 12022



Guma za polnilo 6-8
Gasket for panels 6-8



Guarnizione per pannelli 6-8
Einfassprofil 6-8



Barva	Črna
Color	Black
Colore	Nero
Farbe	Schwarz



8
10

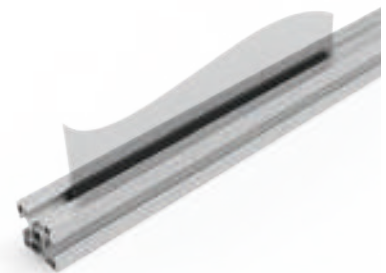
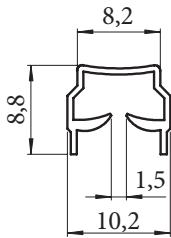
			Code
Description			
Gasket for panels 6 mm	25g/m		12023
Gasket for panels 8 mm	25g/m		12023



Profil pokrivni/reducirni 2-6
Cover profile/reduction 2-6



Profilo di copertura/riduzione 2-6
Abdeck-und Einfassprofil 2-6



Barva	Črna
Color	Black
Colore	Nero
Farbe	Schwarz



			Code
Description			
Gasket for panels 2-6 mm	20g/m		12024



Profil pokrivni/reducirni 2-8



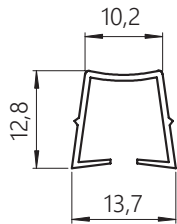
Profilo di copertura/riduzione 2-8



Cover profile/reduction 2-8



Abdeck-und Einfassprofil 2-8



Barva	Črna
Color	Black
Colore	Nero
Farbe	Schwarz



		Code	
Description	Gasket for panels 2-8 mm	29g/m	
			12025



Profil vodilni U8/U8



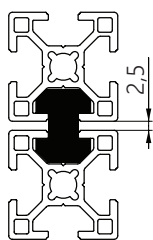
Profilo di scorrimento C8/C8



Profile slider U8/U8



Profingleiter U8/U8



Barva	Črna
Color	Black
Colore	Nero
Farbe	Schwarz



		Code	
Description	Profile slider L=2000 mm	200g/m	
			12026



Profil vodilni U8/U10



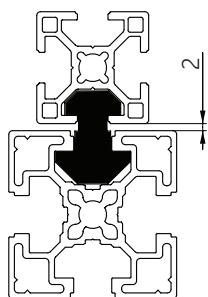
Profilo di scorrimento C8/C10



Profile slider U8/U10



Profilgleiter U8/U10



Barva	Črna
Color	Black
Colore	Nero
Farbe	Schwarz



Description



Code

Profile slider L=2000 mm

306g/m

12027



Profil vodilni U10/U10



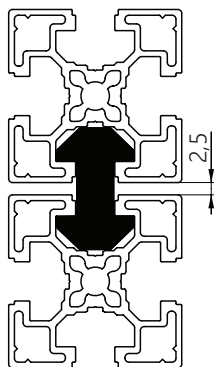
Profilo di scorrimento C10/C10



Profile slider U10/U10



Profilgleiter U10/U10



Barva	Črna
Color	Black
Colore	Nero
Farbe	Schwarz



Description



Code

Profile slider L=2000 mm

410g/m

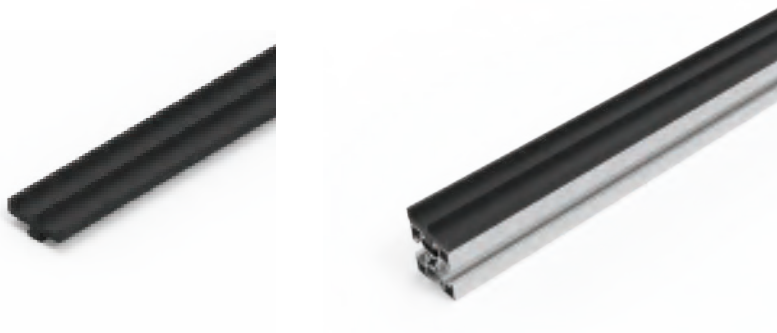
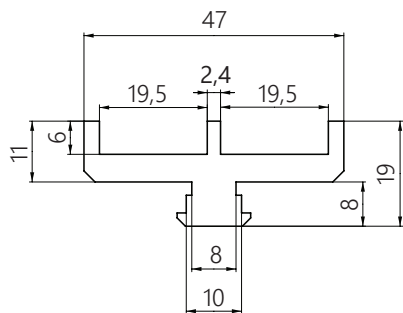
12028



Profil vodilni 2x19,5 U8/U10
 Profile slider 2x19,5 U8/U10



Profilo di scorrimento 2x19,5 C8/C10
 Profilgleiter 2x19,5 U8/U10



Barva	Črna
Color	Black
Colore	Nero
Farbe	Schwarz



Description		Code
Profile slider 2x19,5 L=2000 mm	339g/m	12029

Za profil 18,5 x 32 | For profile 18,5 x 32 | Per profilo 18,5 x 32 | Für Profil 18,5 x 32

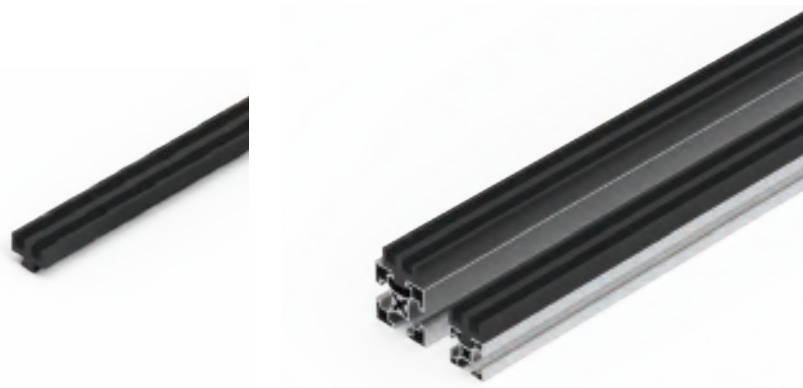
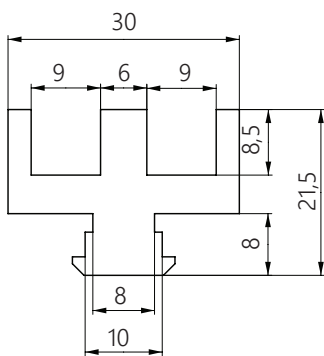
21



Profil vodilni 2x9 U8/U10
 Profile slider 2x9 U8/U10



Profilo di scorrimento 2x9 U8/U10
 Profilgleiter 2x9 U8/U10



Barva	Črna
Color	Black
Colore	Nero
Farbe	Schwarz



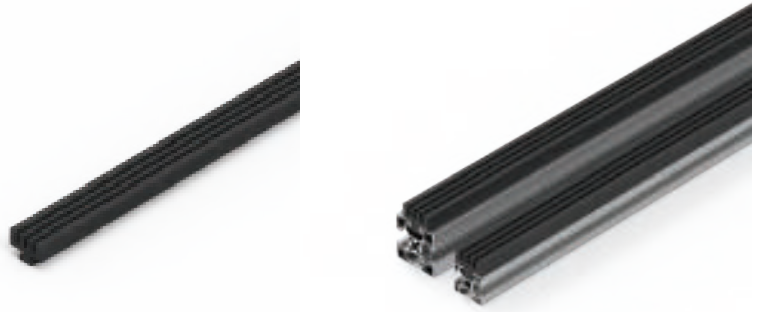
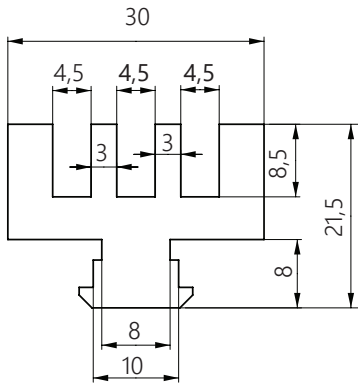
Description		Code
Profile slider 2x9 L=2000 mm	315g/m	12030



Profil vodilni 3x4,5
Profile slider 3x4,5



Profilo di scorrimento 3x4,5
Profilgleiter 3x4,5



Barva	Črna
Color	Black
Colore	Nero
Farbe	Schwarz

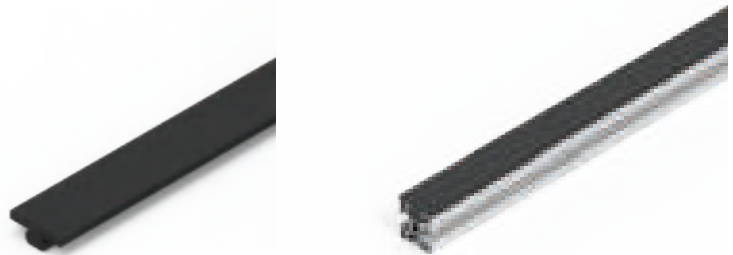
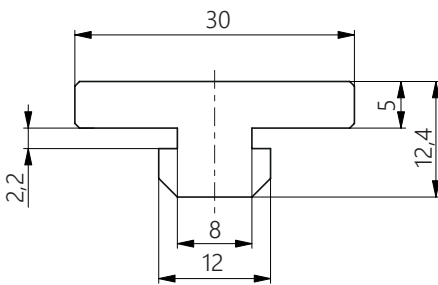
PP	8/10			Code
Description				
Profile slider 3x4,5 L=2000 mm		361g/m	12031	



Zaščitni profil 30 U8
Protective profile 30 U8



Profilo protettivo 30 U8
Schutzprofil 30 U8



Barva	Črna
Color	Black
Colore	Nero
Farbe	Schwarz

PE 500	8			Code
Description				
Protective profile 30 U8 L=2000 mm		400g/m	12195	



Zaštitni profil 45 U10



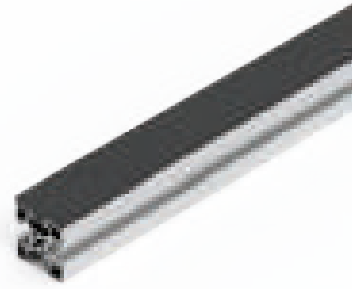
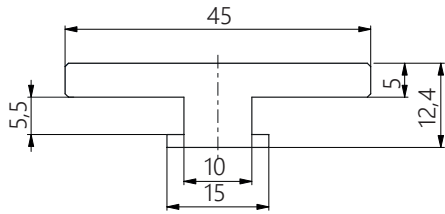
Profilo protettivo 45 U10



Protective profile 45 U10



Schutzprofil 45 U10



Barva	Črna
Color	Black
Colore	Nero
Farbe	Schwarz



Description		Code
Protective profile 45 U10 L=2000 mm	296g/m	12194



Drsní profil U8/U8



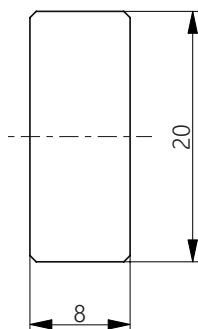
Profilo di scorimento U8/U8



Sliding profile U8/U8



Gleitprofil U8/U8



Barva	Črna
Color	Black
Colore	Nero
Farbe	Schwarz



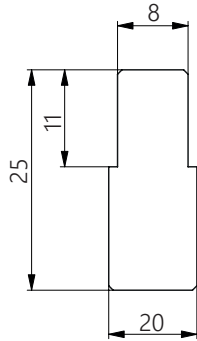
Description		Code
Sliding profile U8/U8 L=2000 mm	190g/m	12198



Drsní profil U8/U10
Sliding profile U8/U10



Profilo di scorrimento U8/U10
Gleitprofil U8/U10



Barva	Črna
Color	Black
Colore	Nero
Farbe	Schwarz



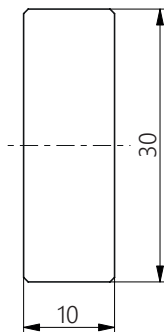
Description		Code	
Sliding profile U8/U10 L=2000 mm	260g/m		12197



Drsní profil U10/U10
Sliding profile U10/U10



Profilo di scorrimento U10/U10
Gleitprofil U10/U10

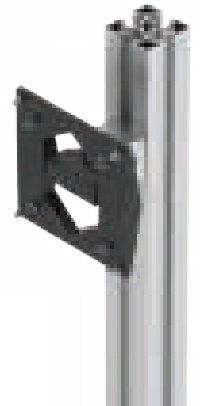
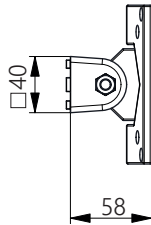
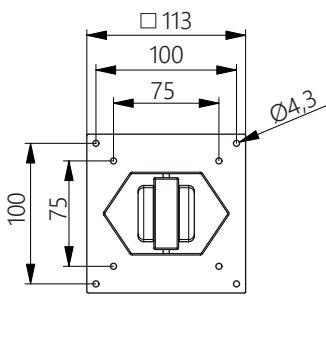


Barva	Črna
Color	Black
Colore	Nero
Farbe	Schwarz



Description		Code	
Sliding profile U10/U10 L=2000 mm	340g/m		12196

	Nosilec zaslona		Supporto monitor
	Monitor mount		Monitorhalter

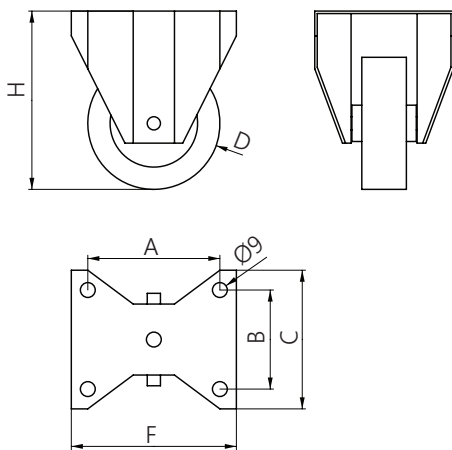


Barva	Črna
Color	Black
Colore	Nero
Farbe	Schwarz

PA Fe 8/10

		Code	
Description			
Monitor mount	200g/m	12199	

	Kolesa fiksna		Ruote fisse
	Fixed casters		Bockrollen



											Code	
		Zn Fe	8/10	D	A	B	C	F	H	Max load [N]		
Material	Kolo z gumo			80	80	60	84	100	108	500	466g	12032
Material	Rubber wheel			100	80	60	84	100	127	700	590g	12033
Materiale	Ruota in gomma			125	80	60	84	100	155	1000	840g	12034
Material	Gummirad											

Ostali modeli po naročilu | Other models on request | Altri modelli a richiesta | Andere Modelle auf Bestellung



Kolesa vrtljiva s prirobnico



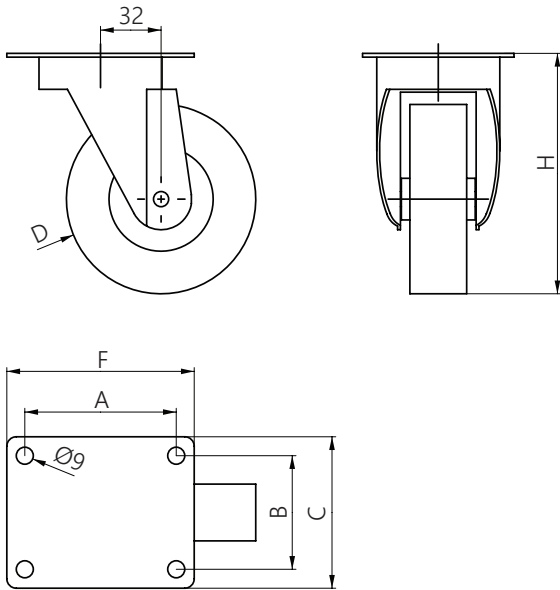
Ruote pivottanti con flangia



Swivel casters with flange



Lenkrolle mit Flansch



Code

Zn Fe	8/10	D	A	B	C	F	H	Type*	Max load [N]		Code
		80	75	60	80	95	108	BZ	500	564g	12035
		80	75	60	80	95	108	ZZ	500	666g	12036
		100	75	60	80	95	127	BZ	700	679g	12037
		100	75	60	80	95	127	ZZ	700	796g	12038
		125	75	60	80	95	155	BZ	1000	956g	12039
		125	75	60	80	95	155	ZZ	1000	1060g	12040

Material	Kolo z gumo
Material	Rubber wheel
Materiale	Ruota in gomma
Material	Gummirad

* BZ - brez zavore / ZZ - z zavoro | BZ - without brake / ZZ - with brake
 BZ - senza freno / ZZ - con freno | BZ - ohne Bremse / ZZ - mit Bremse

Ostali modeli po naročilu | Other models on request | Altri modelli a richiesta | Andere Modelle auf Bestellung



Kolesa vrtljiva



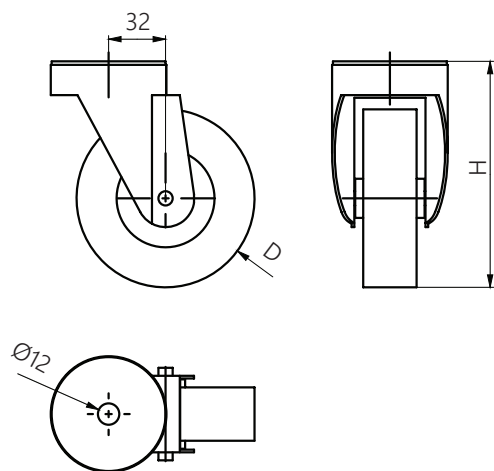
Ruote pivottanti



Swivel casters



Lenkrolle



Code

Zn Fe	8/10	D	H	Type*	Max load [N]		
		80	108	BZ	500	486g	12041
		80	108	ZZ	500	592g	12042
		100	127	BZ	700	607g	12043
		100	127	ZZ	700	720g	12044
		125	155	BZ	1000	889g	12045
		125	155	ZZ	1000	1017g	12046

Material	Kolo z gumo
Material	Rubber wheel
Materiale	Ruota in gomma
Material	Gummirad

*	BZ - brez zavore / ZZ- z zavoro BZ - without brake / ZZ - with brake BZ - senza freno / ZZ - con freno BZ - ohne Bremse / ZZ - mit Bremse
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Ostali modeli po naročilu | Other models on request | Altri modelli a richiesta | Andere Modelle auf Bestellung



Noga nastavljiva



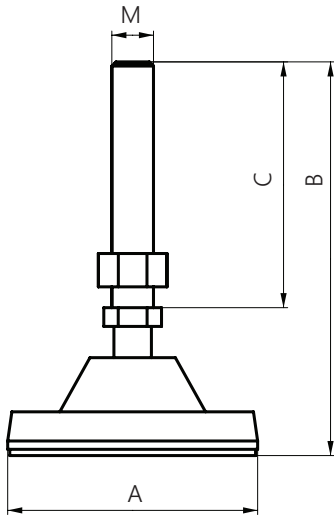
Piedini livellanti







Pivot feet



Gelenkfüße



Code

			A	B	C	M	Max load [N]		Code
			40	75	50	8	10000	44g	12047
			50	75	50	8	11000	52g	12048
			50	75	50	10	12000	66g	12049
			80	101	71	10	14000	118g	12050
			80	96	61	12	15000	146g	12051
			80	97	57	16	19000	199g	12052
			120	163	105	16	25000	600g	12053
			120	177	116	20	27000	581g	12054
			120	205	141	24	29000	772g	12055

Ostali modeli po naročilu | Other models on request | Altri modelli a richiesta | Andere Modelle auf Bestellung



Noga nastavljiva



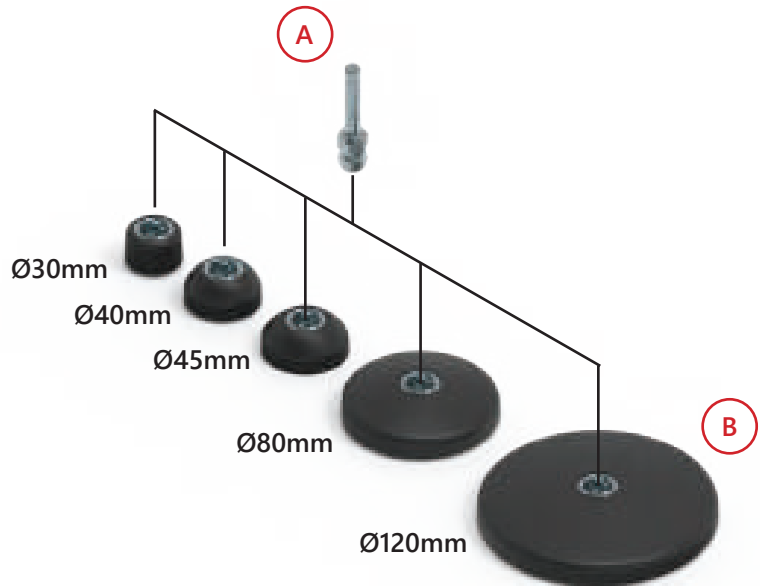
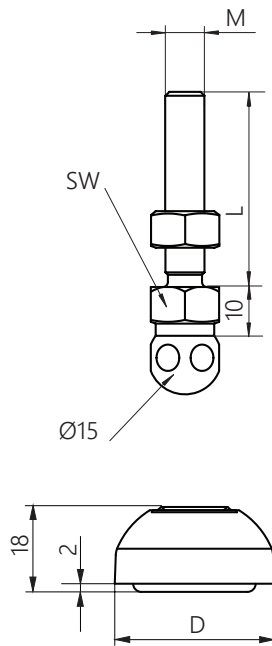
Piedini livellanti



Pivot feet



Gelenkfüße



						Code	
Zn Fe	L [mm]	SW [mm]	M	Max load [N]			A
	40	14	8	3500	36g		12145
	80	14	8	3500	49g		12146
	70	14	10	4700	55g		12147
	100	14	12	7700	94g		12148
	100	17	16	14500	156g		12149
	125	22	20	24300	297g		12150

					Code	
Zn Fe		D	Max load [N]			B
		30	3500	50g		12151
		40	3500	74g		12152
		45	4700	92g		12153
		80	7700	218g		12154
		120	14500	440g		12155

Barva	Črna
Color	Black
Colore	Nero
Farbe	Schwarz

Ostali modeli po naročilu | Other models on request | Altri modelli a richiesta | Andere Modelle auf Bestellung



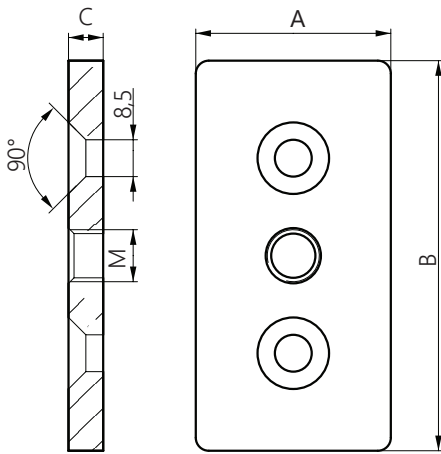
Plošča zaključna

Cover plate

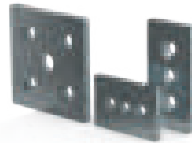


Piastra terminale

Abschlussplatte



1 2/4



Code

Zn Fe	A	B	C	M		
	30	60	8	8	92g	12114
	30	60	8	12	92g	12056
	30	90	8	12	196g	12057
	40	80	8	12	300g	12162
	45	90	8	12	231g	12058
	45	90	8	16	500g	12059
	60	90	8	12	314g	12060
	60	90	8	16	304g	12061
	80	80	8	16	400g	12188
	90	90	8	16	468g	12062
	90	90	8	20	460g	12063

Assembly components - sold separately					Code
1	Countersunk screw M8x25			43	11029



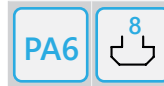
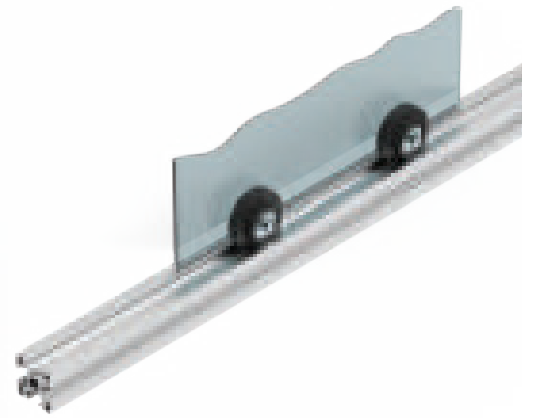
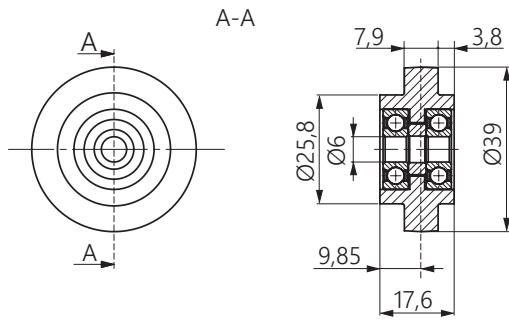
Kolo vodilno U8

Roller U8



Rotella di supporto C8

Rolle U8



			Code
Description			
Roller U8	30g		12064



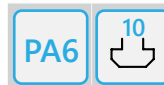
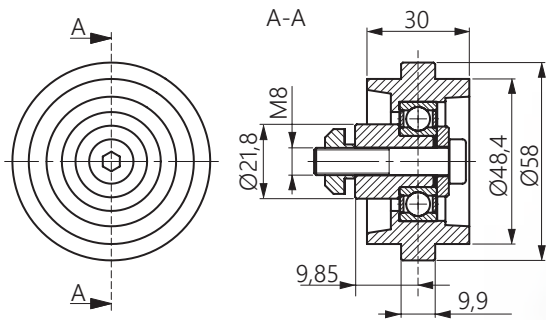
Kolo vodilno U10

Roller U10



Rotella di supporto C10

Rolle U10



			Code
Description			
Roller U10	153g		12065



Nosilec polnila U8



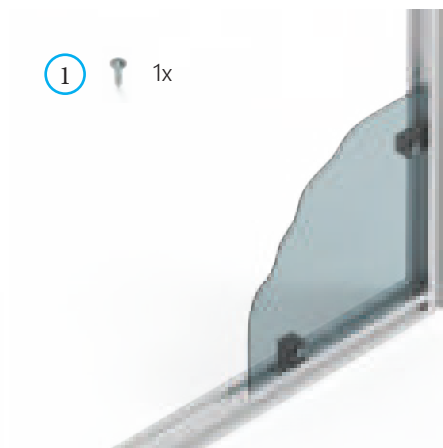
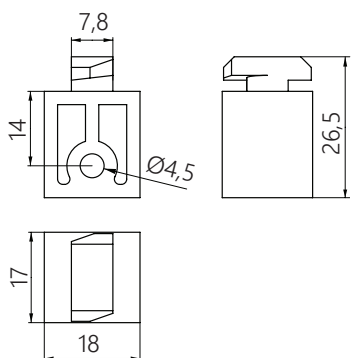
Blocco per pannelli C8



Block for panel U8



Uniblock U8



			Code	
PA6	8	Description		
		Uniblock U8	6g	12066

Assembly components - sold separately				Code
1	Self tapping screw 5,5x19	43		11036



Nosilec polnila U10



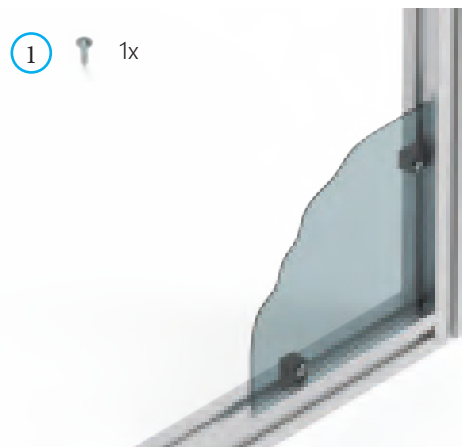
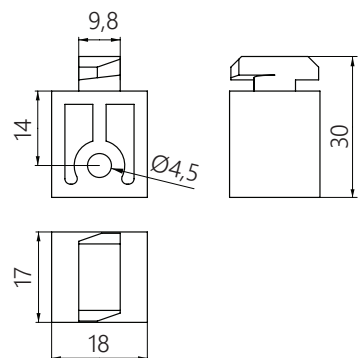
Blocco per pannelli C10



Block for panel U10



Uniblock U10

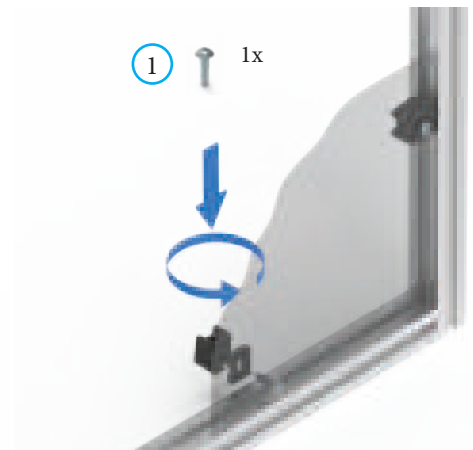
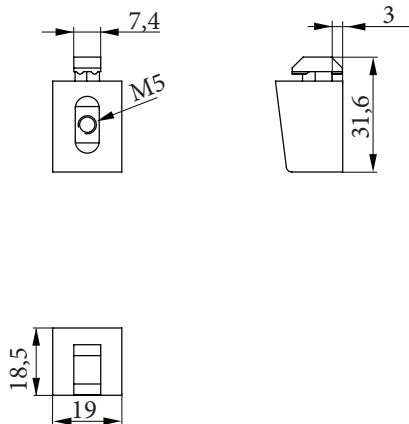


			Code	
PA6	10	Description		
		Uniblock U10	7g	12067

Assembly components - sold separately				Code
1	Self tapping screw 5,5x19	43		11036


 Nosilec polnila M5 U8
 Block for panel M5 U8

 Blocco per pannelli M5 C8
 Uniblock M5 U8

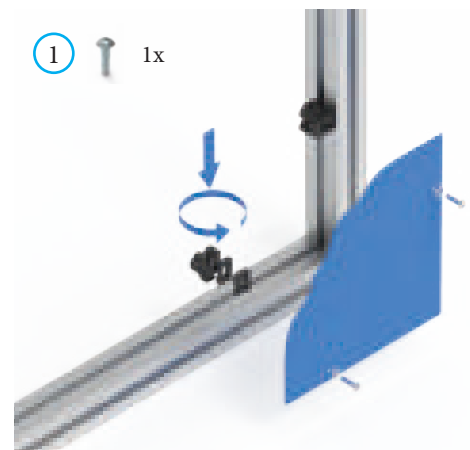
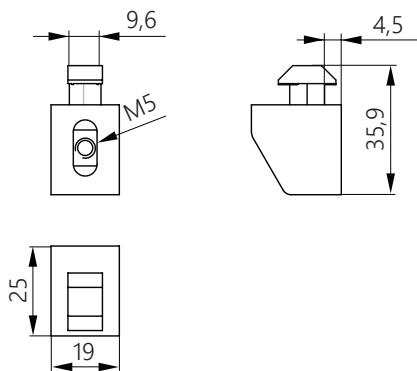


			Code
PA6	8	Description	
		Uniblock M5 U8	10g 12189

Assembly components - sold separately			Code
1	Round-headed screw M5x16	42	11013

 Nosilec polnila M5 U10
 Block for panel M5 U10

 Blocco per pannelli M5 C10
 Uniblock M5 U10



			Code
PA6	10	Description	
		Uniblock M5 U8	20g 12190

Assembly components - sold separately			Code
1	Round-headed screw M5x25	42	11015



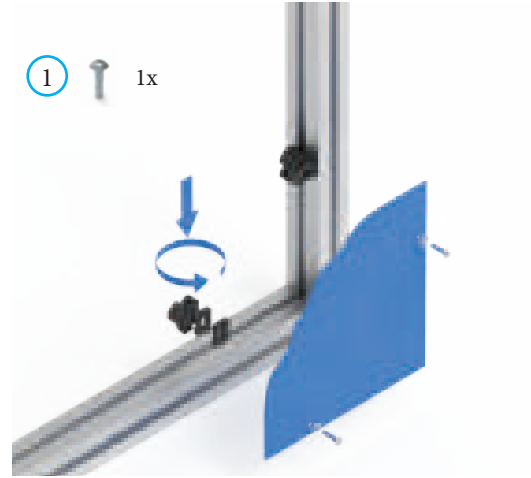
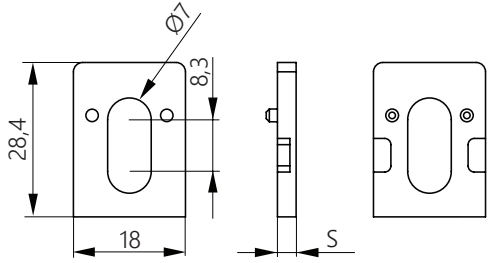
Distančník panela 2-5

Panel spacer 2-5



Distanziale per blocco pannelli 2-5

Distanzstück 2-5



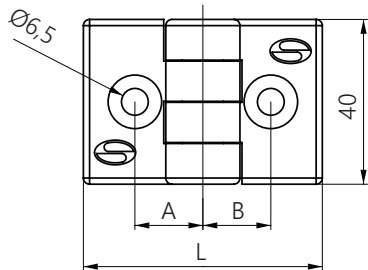
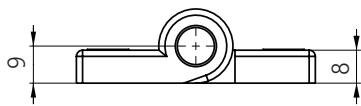
		Code	
PA6	8/10	Description	
		Panel spacer 2 mm	2g 12191
		Panel spacer 3 mm	4g 12192
		Panel spacer 5 mm	4g 12193



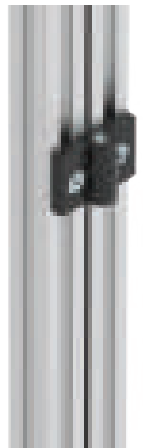
Tečaj PA
Hinge PA



Cerniera PA
Scharnier PA



- ① 2x
- ② 2x



							Code	
PA6	8/8	A	B	L	For profile			
		16,5	16,5	58	30 x 30	45g		12068
		Assembly components - sold separately						Code
		8	①	Countersunk screw M6x16			43	11027
		8	②	Hammer nut M6 U8			47	11057

							Code	
PA6	8/10	A	B	L	For profile			
		16,5	25	74	30 x 45	48g		12069
		16,5	32	89	30 x 60	50g		12070
		Assembly components - sold separately						Code
		8	①	Countersunk screw M6x16			43	11027
		8	②	Hammer nut M6 U8			47	11057
		10	①	Countersunk screw M6x20			43	11028
		10	②	Hammer nut M6 U10			47	11060

							Code	
PA6	10	A	B	L	For profile			
		25	24,5	90	45 x 45	52g		12071
		25	32	105	45 x 60	54g		12072
		32	32	120	60 x 60	54g		12099
		Assembly components - sold separately						Code
		10	①	Countersunk screw M6x20			43	11028
		10	②	Hammer nut M6 U10			47	11060



Tečaj z ročico



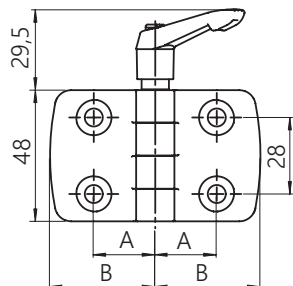
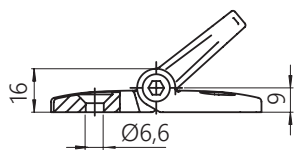
Cerniera con maniglia



Combi hinge with locking lever

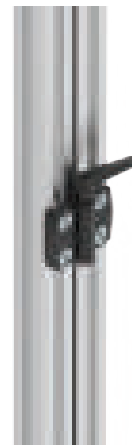


Scharnier mit Aretierung



① 4x

② 4x



						Code
PA6		A	B	For profile		
		17,5	29,5	30 x 30	50g	12073

		Assembly components - sold separately		Code
8	①	Countersunk screw M6x12	43	11162
8	②	Hammer nut M6 U8	47	11057

						Code
PA6		A	B	For profile		
		22,5	38,5	40 x 40	57g	12117
		25	43,5	45 x 45	60g	12074
		32,5	57,5	60 x 60	69g	12075

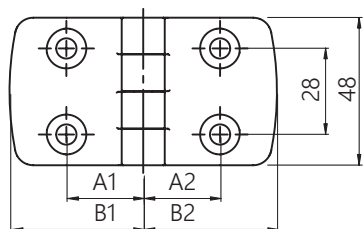
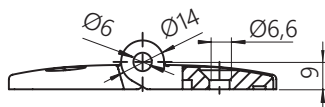
		Assembly components - sold separately		Code
10	①	Countersunk screw M6x16	43	11027
10	②	Hammer nut M6 U10	47	11060



Tečaj PA
Hinge PA



Cerniera PA
Scharnier PA



- ① 4x
- ② 4x



PA6	8/8	A1	A2	B1	B2	For profile		Code
		17,5	17,5	29,5	29,5	30 x 30	36g	12102

		Assembly components - sold separately			Code
8	①	Countersunk screw M6x12	43	11162	
8	②	Hammer nut M6 U8	47	11057	

PA6	8/10	A1	A2	B1	B2	For profile		Code
		17,5	22,5	29,5	38,5	30 x 40	57g	12118
		17,5	25	29,5	43,5	30 x 45	40g	12103
		17,5	32,5	29,5	57,5	30 x 60	46g	12104

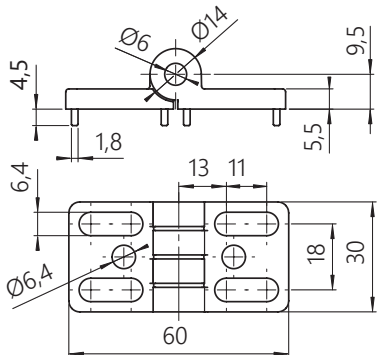
		Assembly components - sold separately			Code
8	①	Countersunk screw M6x12	43	11162	
8	②	Hammer nut M6 U8	47	11057	
10	①	Countersunk screw M6x16	43	11027	
10	②	Hammer nut M6 U10	47	11060	

PA6	10/10	A1	A2	B1	B2	For profile		Code
		22,5	22,5	38,5	38,5	40 x 40	57g	12119
		22,5	32,5	38,5	57,5	40 x 60	44g	12120
		25	22,5	43,5	38,5	45 x 40	47g	12121
		25	25	43,5	43,5	45 x 45	46g	12105
		25	32,5	43,5	57,5	45 x 60	50g	12106
		32,5	32,5	57,5	57,5	60 x 60	56g	12107

		Assembly components - sold separately			Code
10	①	Countersunk screw M6x16	43	11027	
10	②	Hammer nut M6 U10	47	11060	

Tečaj cinkova zlitina U8/U8 / U8/U10
 Hinge die-cast zinc U8/U8 / U8/U10

Cerniera zama C8/C8 / C8/C10
 Zinkdruckguss-Scharnier U8/U8 / U8/U10



- ① 4x
- ② 4x

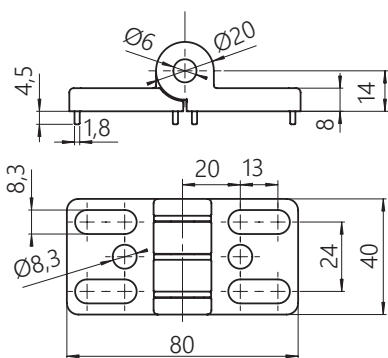


			Code	
Zn	8/8	8/10	For profile	
	8/8		30 x 30	71g 12108
	8/10		30 x 40	71g 12108

		Assembly components - sold separately	Code
8	①	Round-headed screw M6x12	42 11017
8	②	Hammer nut M6 U8	47 11057
10	①	Round-headed screw M6x16	42 11018
10	②	Hammer nut M6 U10	47 11060

Tečaj cinkova zlitina U10/U10
 Hinge die-cast zinc U10/U10

Cerniera Zama C10/C10
 Zinkdruckguss-Scharnier U10/U10



- ① 4x
- ② 4x



			Code	
Zn	8/10		For profile	
	10/10		30 x 45 40 x 40 40 x 45 45 x 45 40 x 60 45 x 60 60 x 60	180g 12110

		Assembly components - sold separately	Code
10	①	Round-headed screw M8x20	42 11023
10	②	Hammer nut M8 U10	47 11061



Tečaj cinkova zlitina U10/U10



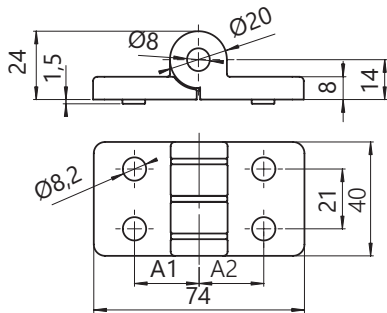
Hinge die-cast zinc U10/U10



Cerniera zama C10/C10



Zinkdruckguss-Scharnier U10/U10



- ① 4x
- ② 4x



					Code	
Zn	10/10	A1	A2	For profile		
		22,5	22,5	40 x 40	189g	12122
		22,5	25	40 x 45	189g	12123
		25	25	45 x 45	189g	12113

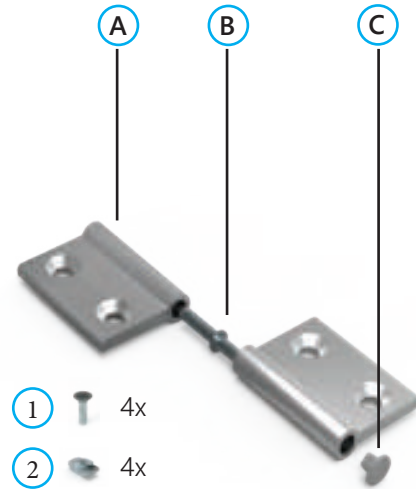
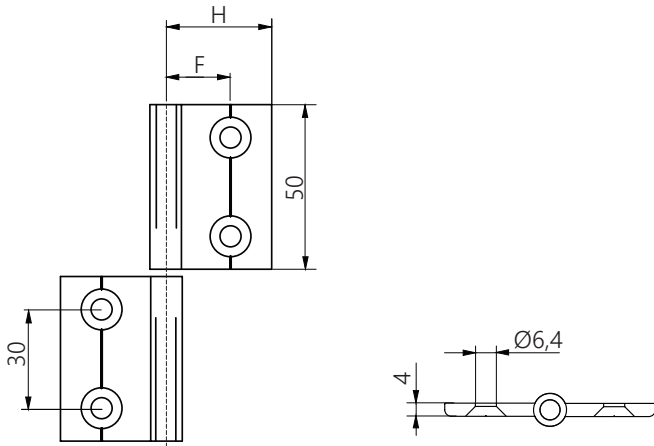
		Assembly components - sold separately			Code
10	①	Round-head screw M8x20	42	11023	
10	②	Hammer nut M8 U10	47	11061	



Tečaj - sestavni deli
Hinge - components



Cerniera - componenti
Scharnier - Komponenten



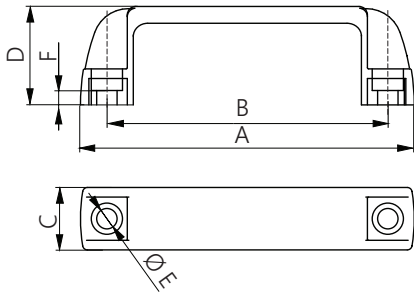
Code

AI EI	8/10	Description	F {mm}	H {mm}	Fa max {N}	For Profile		
	8/8	Hinge - component 1 pcs.	19,5	32	150	30	20g	12156
	10/10		25	42	150	40	25.3g	12157
	10/10 (A)		27	47	150	45	28g	12158
	10/10		34,5	62	150	60	36g	12159
	(B)	Axle	-	-	-	-	12g	12160
	(C)	Cover cap	-	-	-	-	0,15g	12161

		Assembly components - sold separately		Code
8	(1)	Countersunk screw M6x12		43 11162
8	(2)	Hammer nut M6 U8		47 11057
10	(1)	Countersunk screw M6x16		43 11027
10	(2)	Hammer nut M6 U10		47 11060



	Ročaj		Maniglia
	Bridge handle		Bügelgriff



- 1 2x
- 2 2x

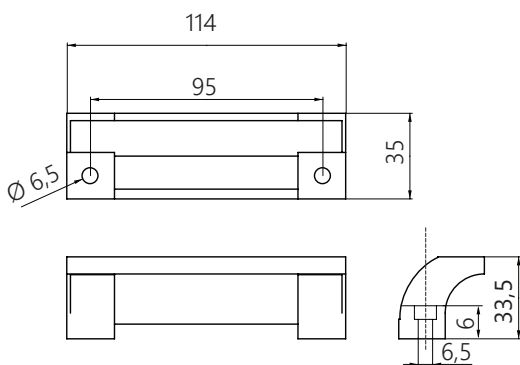


Code

PA6	8/10	A	B	C	D	ØE	F			
		8	112	93,5	21	36	6,5	6	24g	12076
		10	139	117	26	41	8,5	8,5	35g	12077
		10	204	179	28	50	8,5	8,5	56g	12078

	For		Assembly components - sold separately		Code
8	12076	1	Cylinder head screw M6x14	42	11003
8		2	Hammer nut M6 U8	47	11057
8	12077	1	Cylinder head screw M8x16	42	11007
8	12078	2	Square nut M6 U8	48	11064
10	12077	1	Cylinder head screw M8x20	42	11008
10	12078	2	Hammer nut M8 U10	47	11061

	Ročaj zaprt		Maniglia chiusa
	Closed handle		Bügelgriff geschlossen



- 1 2x
- 2 2x



Code

PA6	10/10	Description		
		Closed handle	34g	12079

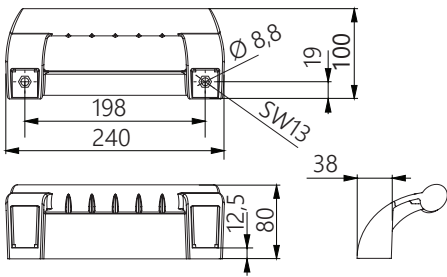
	For		Assembly components - sold separately		Code
8	1		Cylinder head screw M6x14	42	11003
8	2		Hammer nut M6 U8	47	11057
10	1		Cylinder head screw M6x16	42	11004
10	2		Hammer nut M6 U10	47	11060



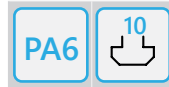
Ročaj
Bridge handle



Maniglia
Bügelgriff



- 1 2x
- 2 2x



Description		Code
Bridge handle	364g	12080

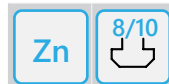
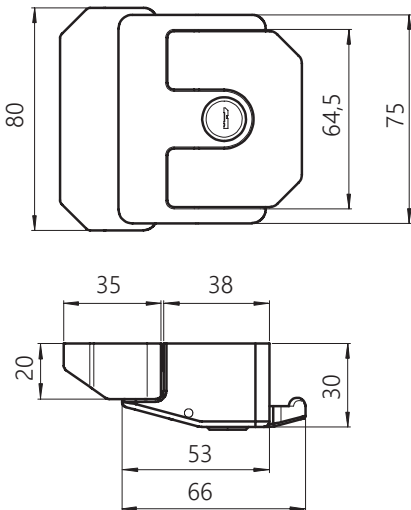
Assembly components - sold separately		Code
10	1 Cylinder head screw M8x20	42 11008
10	2 Hammer nut M8 U10	47 11061



Kljuka s klj. univerzalna
Slam latch universal



Maniglia con serr. universale
Fallenschloss universell



Description		Code
Slam latch universal	564g	12081



Ključavnica vgradna



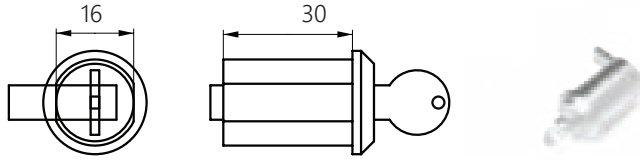
Serratura



Cylinder lock



Zylinderschloss



		Code	
		Description	
		Cylinder lock	56g
			12082



Ključavnica



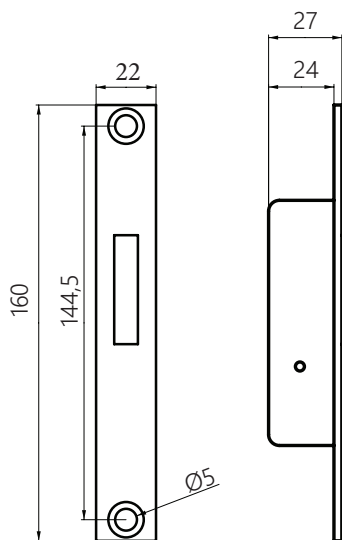
Serratura



Lock



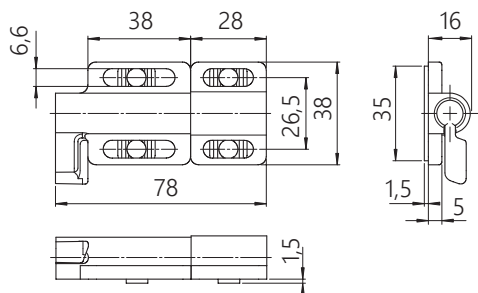
Schloss



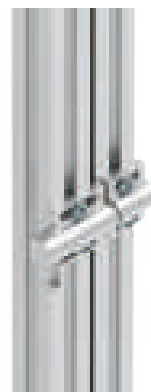
		Code	
		Description	
		Lock	302g
			12083

 | Zapiralo
 | Door latch

 | Chiavistello
 | Türverriegelung



- ① 4x
- ② 4x

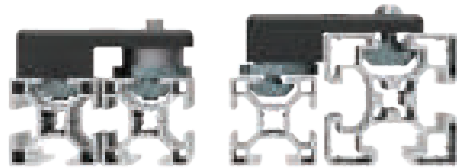
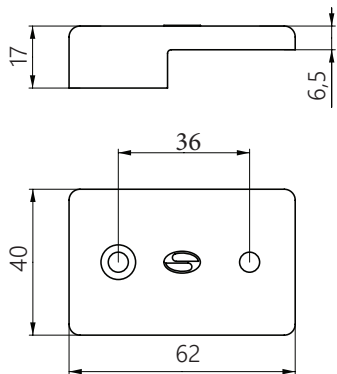


		Code	
Zn	8/10	Description	
		Door latch	114g 12084

		Assembly components - sold separately		Code	
8	①	Round-head screw M6x12	42	11017	
8	②	Hammer nut M6 U8	47	11057	
10	①	Round-head screw M6x16	42	11018	
10	②	Hammer nut M6 U10	47	11060	

 | Magnet
 | Magnetic catch

 | Chiusura magnetica
 | Magnetschnapper



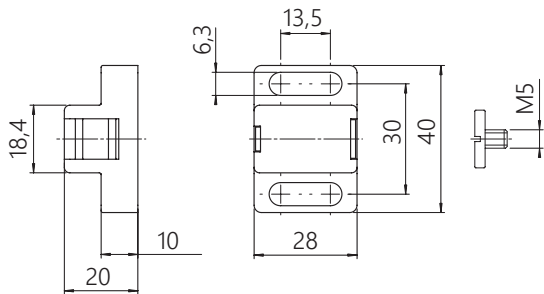
				Code	
PA6	8/8	8/10	10/10	For profiles	
	8/8			30 x 30	78g 12085
	8/10			30 x 40	124g 12125
	8/10			30 x 45	48g 12086
	10/10			40x40 45x45	90g 12087
	10/10			40 x 45	124g 12126



Magnet univerzalni
Magnetic catch universal



Magnete universale
Magnetschnäpper universell



- ① 2x
- ② 2x



Code	
Description	Code
Magnetic catch universal	36g 12088

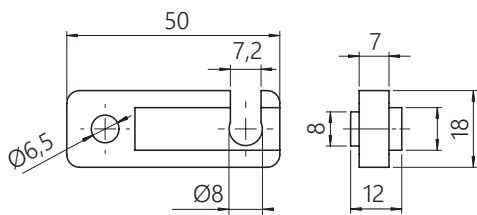
Icon	Qty	Assembly components - sold separately	Code
①	8	Round-head screw M6x16	42 11018
②	8	Hammer nut M6 U8	47 11057
①	10	Round-head screw M6x20	42 11019
②	10	Hammer nut M6 U10	47 11060



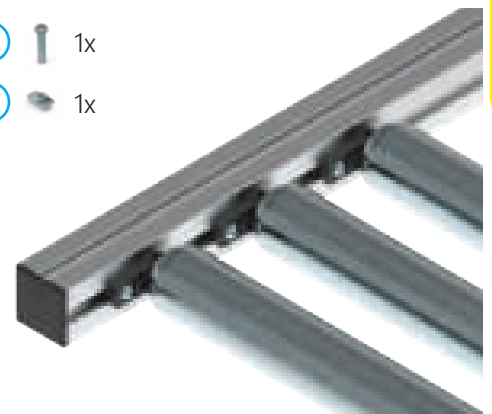
Nosilec valja
Roller carrier



Staffa per rulli
Rollenträger



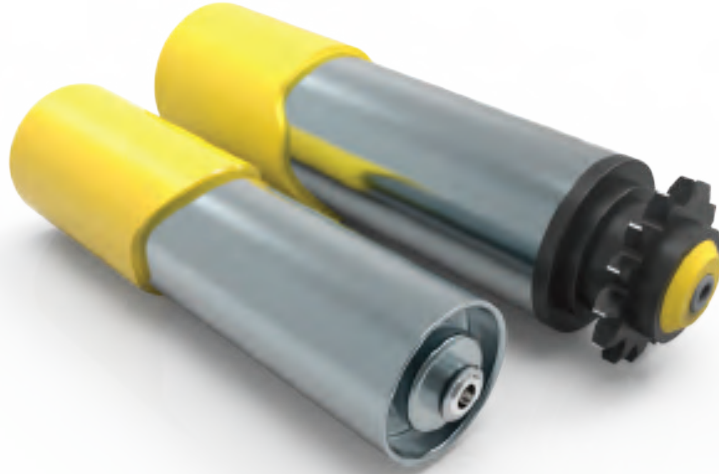
- ① 1x
- ② 1x



Code	
Description	Code
Roller carrier	8g 12089

Icon	Qty	Assembly components - sold separately	Code
①	8	Round-head screw M6x16	42 11018
②	8	Hammer nut M6 U8	47 11057
①	10	Round-head screw M6x20	42 11019
②	10	Hammer nut M6 U10	47 11060

	Transportni valji		Rulli per trasportatori
	Conveyor rollers		Transportrollen



Types of Rollers	- Gravity rollers
	- Driven rollers
Material	- Galvanized steel
	- PVC coating
Application	- for in-plant conveyors systems

All roller versions are equipped with ball bearings.

Ø Tube mm	Max. load capacity in N for gravity rollers and fixed drive with an installation length of mm							
	200 mm	300 mm	400 mm	600 mm	800 mm	1000 mm	1300 mm	1600 mm
50x1,5	2000 N	2000 N	1740 N	1160 N	870 N	700 N	580 N	460 N
60x2	2000 N	2000 N	1800 N	1200 N	920 N	760 N	620 N	520 N

Ø Tube mm	Max. load capacity in N for driven rollers with friction
50x1,5	Max 500 N
60x2	



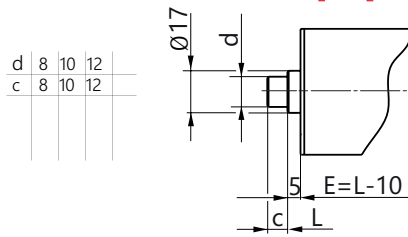
Negnani valj
Gravity roller



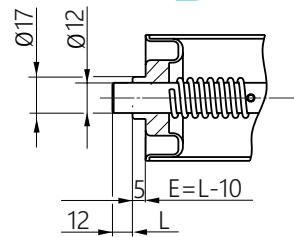
Rullo a gravità
Nicht angetriebene Rolle

Extended axle

A



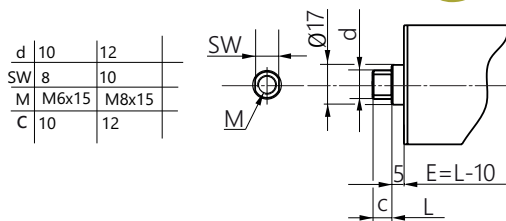
B



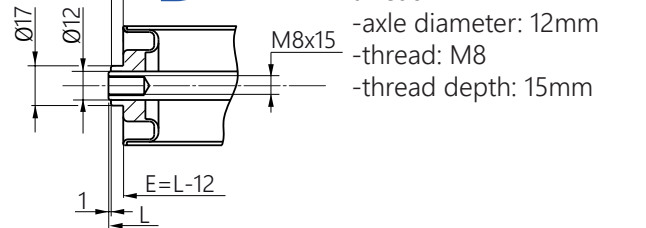
Extended axle with spring
-axle diameter: 12mm

Extended axle wrench gap

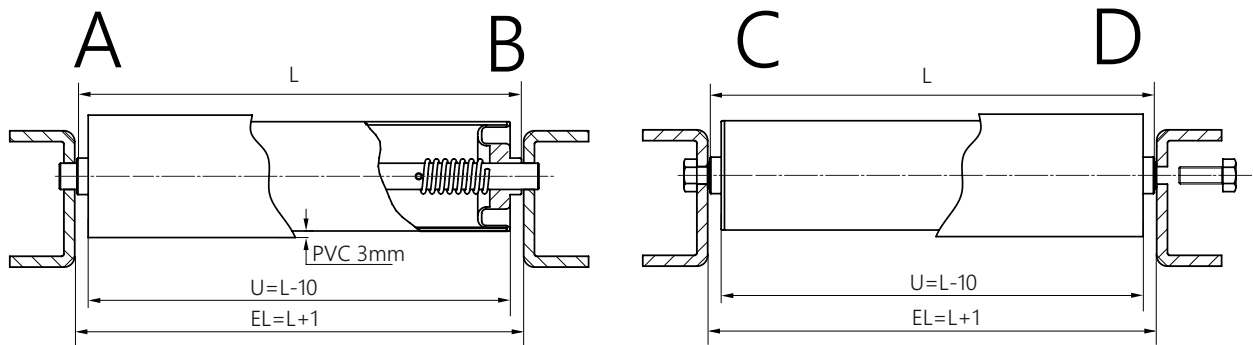
C



D



Internal axle with female thread
-axle diameter: 12mm
-thread: M8
-thread depth: 15mm



Code

	17R	50	A	0500	Y	8
	1	2	3	4	5	6

Usable width U

1	Negnani valj Gravity roller	Rullo a gravità Nicht angetriebene Rolle	17R
2	Premer valja Roller diameter	Diametro rullo Durchmesser	Ø 50 - Ø 60
3	Izvedba valja Roller type	Tipo di rullo Rollenausführung	A - B - C - D
4	Vgradna dimenzija Installation dimension	Dimensioni di installazione Einbaumass	L = Min. 40mm - Max 1800mm
5	PVC prevleka (Fi valja +6 mm) PVC coating (Fi roller +6 mm)	Rivestimento in PVC (Fi rullo +6 mm) PVC Beschichtung (Fi Rolle +6 mm)	Y= with from -10°C to + 40°C N= No from -10°C to + 80°C
6	Premer osovine Axes diameter	Diametro asse Achsen-Durchmesser	Ø8 - Ø10 - Ø12



Gnani transportni valj



Rullo azionato



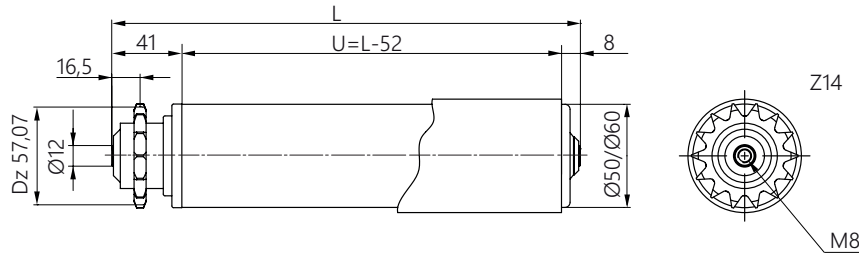
Driven roller



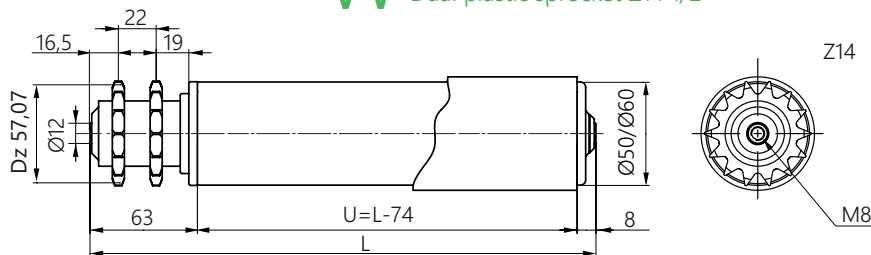
Angetriebene Rolle

V

Plastic sprocket Z14 1/2"


W

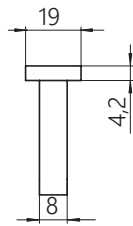
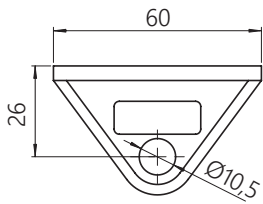
Dual plastic sprocket Z14 1/2"



Code

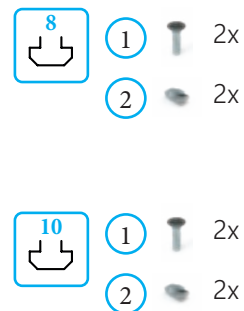
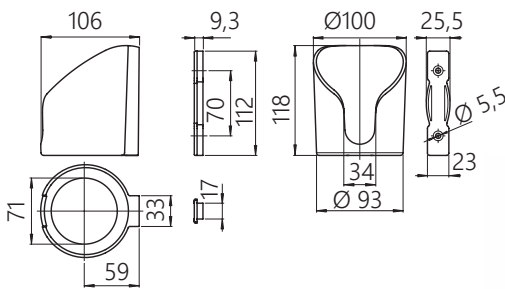
Temperature range	from -10°C to +40°C	Code						
		Zn Fe	17R	50	V	0300	F	Y
			1	2	3	4	5	6
1	Gnani valj Driven roller							17R
2	Premer valja Roller diameter							Ø 50 - Ø 60
3	Tip valja Roller type							V - W
4	Vgradna dimenzija Installation dimension							$L_V = \text{Min. } 100\text{mm} - \text{Max } 1800\text{mm}$ $L_W = \text{Min. } 125\text{mm} - \text{Max } 1800\text{mm}$
5	Izvedba valja Roller version							F = fixed - C = for accumulation
6	PVC prevleka (Fi valja +6 mm) PVC coating (Fi roller +6 mm)							Y = with - N = No

	Obešalna spona / Drsnik		Moschettone / Occhiello
	Snap hook / Slider		Hängegleiter / Karabinerhaken



				Code
Description	Type			
Snap hook	(A)	26g		12090
Slider	(B)	10g		12091

	Nosilec		Portaoggetti
	Tool holder		Werkzeughalter



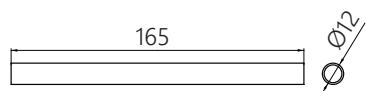
				Code
Description				
Tool holder		162g		12092
Tool holder		176g		12093*

		Assembly components - sold separately		Code
8	(1)	Screw with countersunk head M5x16		43 11164
8	(2)	Hammer nut M5 U8		47 11056
10	(1)	Screw with countersunk head M5x20		43 11165
10	(2)	Hammer nut M5 U10		47 11059

*	Zaprto dno Closed bottom Fondo chiuso Boden geschlossen
---	--

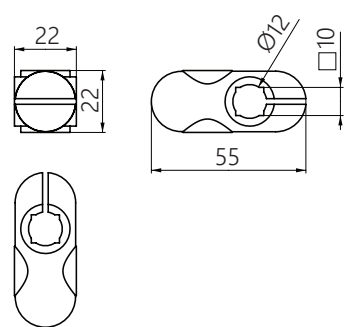
Ostali modeli po naročilu | Other models on request | Altri modelli a richiesta | Andere Modelle auf Bestellung

	Cev Ø 12		Tubo Ø 12
	Tube Ø 12		Rohr Ø 12



			Code
Description			
Tube Ø 12		16g	12094

	Nosilec senzora		Supporto sensore
	Sensor support		Sensorträger



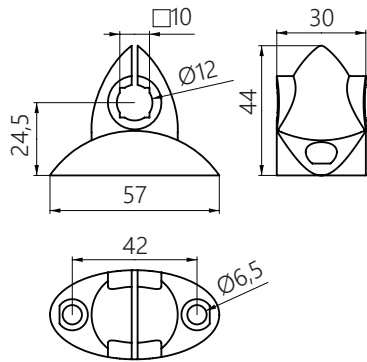
			Code
Description			
Sensor support		25g	12095



Nosilec senzora
Sensor support



Supporto sensore
Sensorträger



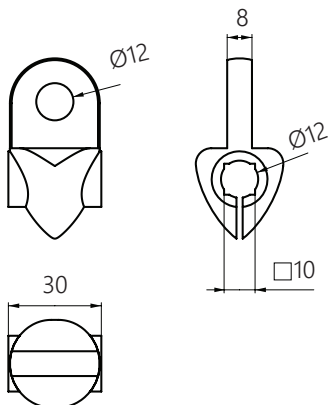
		Code	
PA6	8/10	Description	
		Sensor support	30g 12096



Nosilec senzora
Sensor support



Supporto sensore
Sensorträger



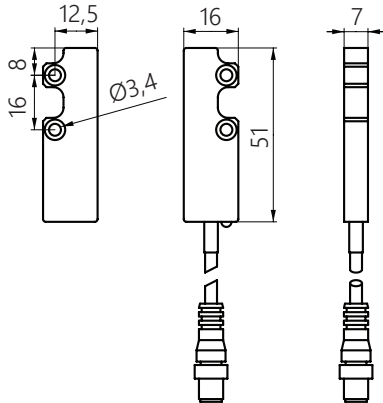
		Code	
PA6	8/10	Description	
		Sensor support	28g 12097



Varnostno stikalo magnetno
Magnetic security switch



Contatto magnetico di sicurezza
Sicherheits-Fallenverschluss



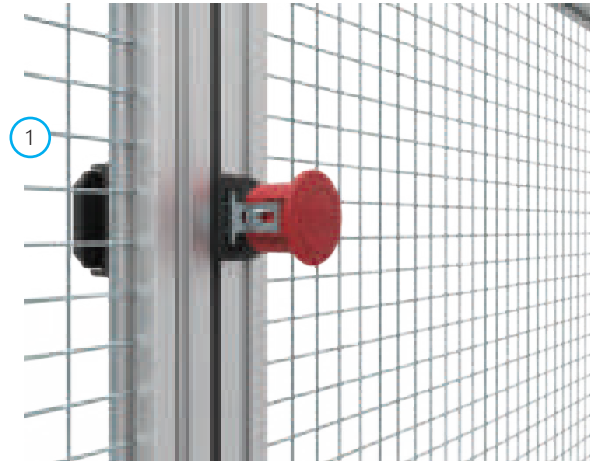
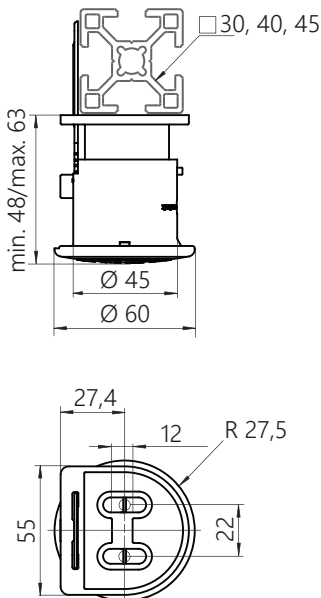
		Code	
	Description		
	Magnetic security switch	106g	12098



Varnostno odpiralo
Emer. opener for slam latch



Tasto di sicurezza
Notöffner



		Code			
			Description		
			Emer. opener for slam latch	104g	12163

Kompatibilno z artiklom koda: 12081
Compatible with article code: 12081
Compatibile con articolo: 12081
Kompatibel mit Artikelcode: 12081

Assembly components - sold separately		Code		
	Slam latch universal		116	12081



Pločevina prašno barvana Fe



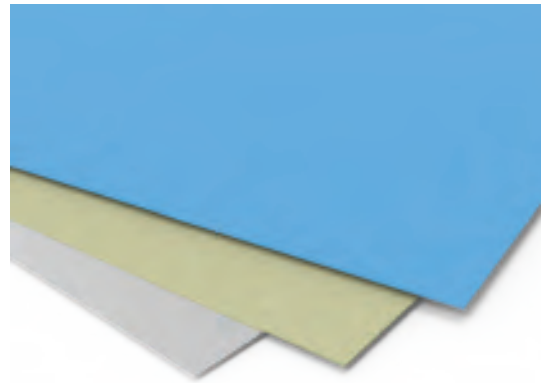
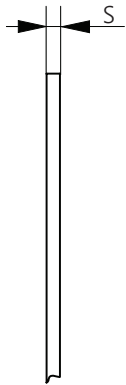
Powder coated Fe panel



Lamiera verniciata a polvere Fe



Pulverbeschichtete Fe Platte



Code

		Description	S [mm]	Dimension [mm]		Code
		Steel sheet RAL 7032 beige	1,25	1500 x 3000	10Kg/m ²	12164
		Steel sheet RAL 7035 bright gray	1,25	1500 x 3000	10Kg/m ²	12165
		Steel sheet RAL 5012 Lipro blue	1,25	1500 x 3000	10Kg/m ²	12166

Ostale barve po RAL lestvici in debeline pločevine po naročilu | Other colors (RAL scale) and sheet thicknesses available on request
 Altri colori secondo scala RAL e spessore lamiera a richiesta | Andere Farben nach RAL und Dicke auf Anfrage



Pločevina INOX



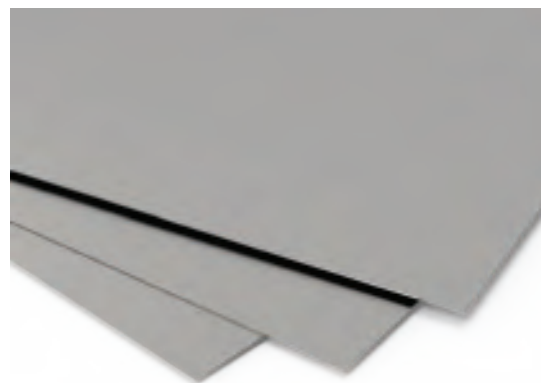
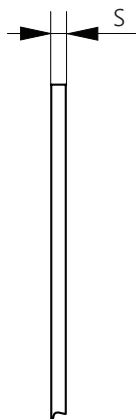
INOX plate



Lamiera INOX



INOX-Platte



Code

		Description	S [mm]	Dimension [mm]		Code
		INOX plate	1	1000 x 2000	8Kg/m ²	12185
			1,2	1000 x 2000	9,5Kg/m ²	12186
			1,5	1000 x 2000	12Kg/m ²	12187



Rebrasta al. pločevina 2/3



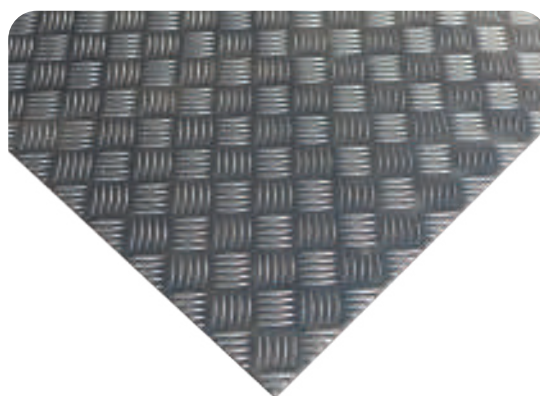
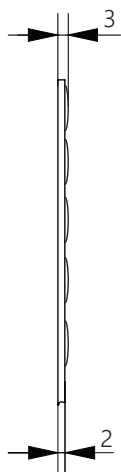
Lamiera al. antiscivolo 2/3



Anti-slip al. plate 2/3



Rutschfeste Aluminiumplatte 2/3



Code

	Description	S [mm]	Dimension [mm]		Code
Al EI	Anti-slip al. plate 2/3	2/3	1000 x 2000	6,4Kg/m ²	12167



Mreža varjena 30x30x3mm



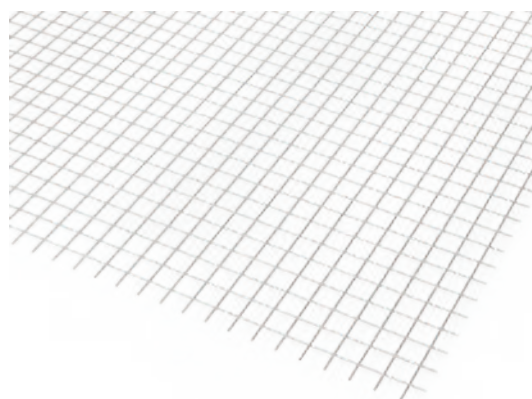
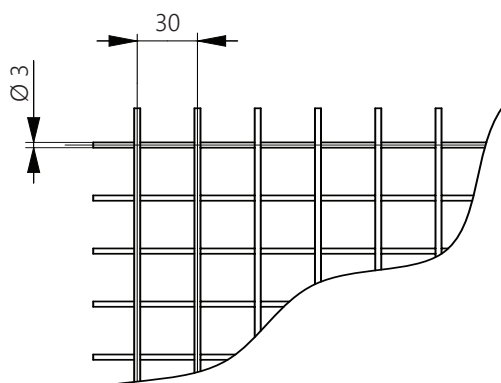
Rete elettrosaldata 30x30x3mm



Welded wire mesh 30x30x3mm



Gitter verschweißt 30x30x3mm



Code

	Description	S [mm]	Dimension [mm]	Type		Code
Zn Fe	Welded wire mesh 30x30x3mm	3	1200 x 2400	Zinc	3,7Kg/m ²	12168
	Welded wire mesh 30x30x3mm	3	1200 x 2400	Yellow	3,7Kg/m ²	12200
	Welded wire mesh 30x30x3mm	3	1200 x 2400	Black	3,7Kg/m ²	12201



Mreža varjena 15x105x3mm



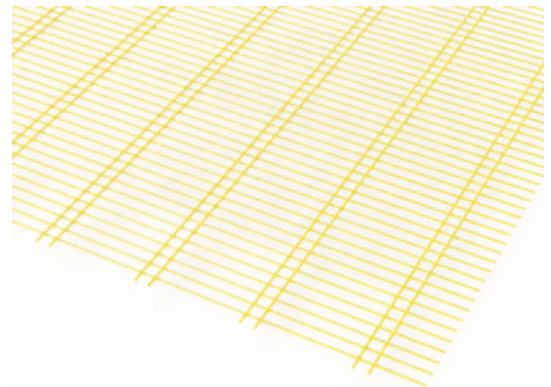
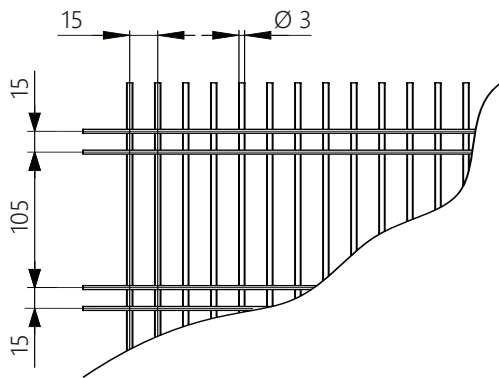
Welded wire mesh 15x105x3mm



Rete elettrosaldata 15x105x3mm



Gitter verschweißt 15x105x3mm



Code

Zn Fe	8/10	Description	S [mm]	Dimension [mm]	Type	Weight	Code
		Welded wire mesh 15x105x3mm	3	1200 x 2400	Yellow	3,8Kg/m ²	12169
		Welded wire mesh 15x105x3mm	3	1200 x 2400	Black	3,8Kg/m ²	12202

Ostale barve (RAL) po naročilu | Other colors (RAL scale) upon request
 Altri colori (RAL) a richiesta | Andere Farben nach RAL auf Bestellung



Samolepilna folija-antistatik



Self-adhesiv foil, antistatic



Pellicola autoadesiva-antistatica



Selbstklebende Folie, antistatisch



Code

ESD	8/10	Description	S [mm]	Dimension [mm]	Weight	Code
		Self-adhesiv foil, antistatic [Roll]	0,05	1200 x 10000	0,002g/m ²	12170



Polikarbonat prosojen



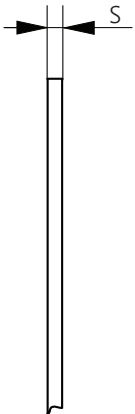
Policarbonato trasparente



Polycarbonate transparent



Polykarbonat transparent



Code

	Description	S [mm]	Dimension [mm]		
	Polycarbonate transparent	3	2050 x 3050	3,6Kg/m ²	12171
		4	2050 x 3050	4,8Kg/m ²	12172
		5	2050 x 3050	6,1Kg/m ²	12173
		6	2050 x 3050	7,3Kg/m ²	12174
		8	2050 x 3050	9,6Kg/m ²	12175

Material	Termoplastični polimer
Material	Thermoplastic polymer
Materiale	Polimeri termoplastici
Material	Thermoplastische Polymere



3A kompozitna plošča



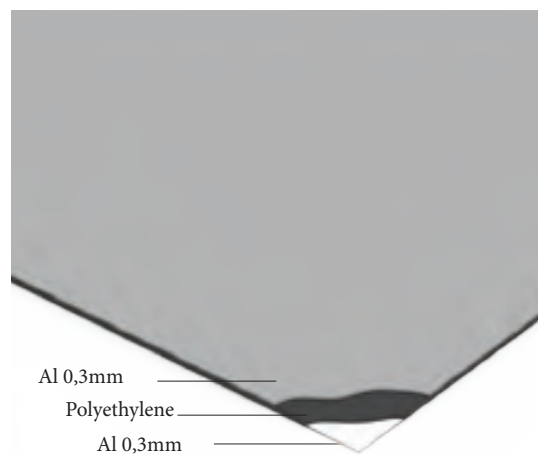
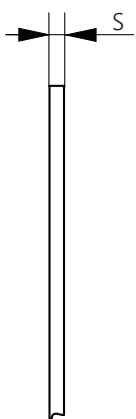
3A pannello composito



3A composite panel



3A-Verbundplatte



Code

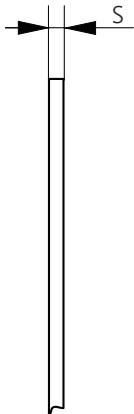
	Description	S [mm]	Dimension [mm]		
	3A composite panel 3mm gray/white	3	2000 x 3050	4,2Kg/m ²	12176
	3A composite panel 3mm white/white	3	2000 x 3050	4,2Kg/m ²	12177



PVC penjen beli
Foamed PVC white



PVC espanso bianco
Geschäumter PVC weiß



Code

Material	PVC (polivinil klorid)
Material	PVC (polyvinyl chloride)
Materiale	PVC (polyvinil chloride)
Material	PVC (Polyvinylchlorid)

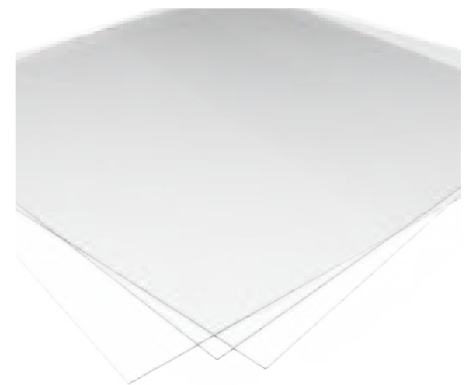
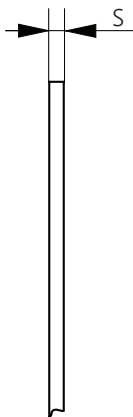
8/10	Description	S [mm]	Dimension [mm]	8/10	Code
					Foamed PVC white
		10	2050 x 3050	4,8Kg/m ²	12179



Akrilna prosojna plošča
Acryl plate transparent



Lastra acrilica-trasparente
Acrylplatte transparent



Code

Material	PMMA (polimetilmetakrilat)
Material	PMMA (polymethymethacrylate)
Materiale	PMMA (polimetilmetacrilato)
Material	PMMA (Polymethymathacrylat)

8/10	Description	S [mm]	Dimension [mm]	8/10	Code				
					Acryl plate transparent	4	2050 x 3050	4,8Kg/m ²	12180
						6	2050 x 3050	7,3Kg/m ²	12181
						8	2050 x 3050	9,6Kg/m ²	12182



Sveder za valjanje navojev



Maschi rullatori



Thread former



Gewindeformer



Code

8/10	Description ISO Metric thread	M	Drill diameter Ø [mm]	3g	Code
	Thread former	8	7,4	3g	13001
		10	9,3	3g	13002
		12	11,2	3g	13003
		16	15	3g	13004



Priprava za vrtanje



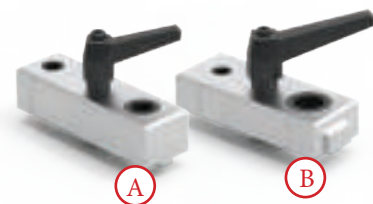
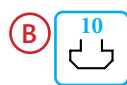
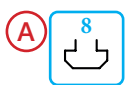
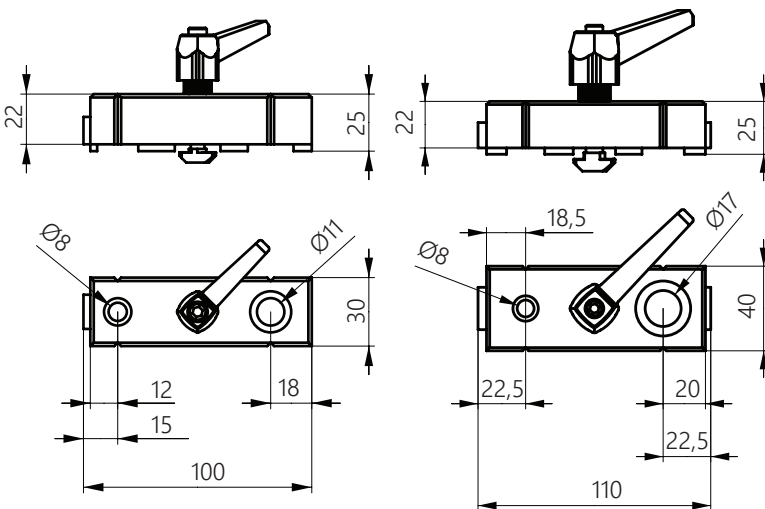
Dispositivo di perforazione



Drilling device



Bohrvorrichtung



Code

AI EIO	8/10	Description	Type	260g	Code
	8	Drilling device	A	260g	13005
	10		B	300g	13006



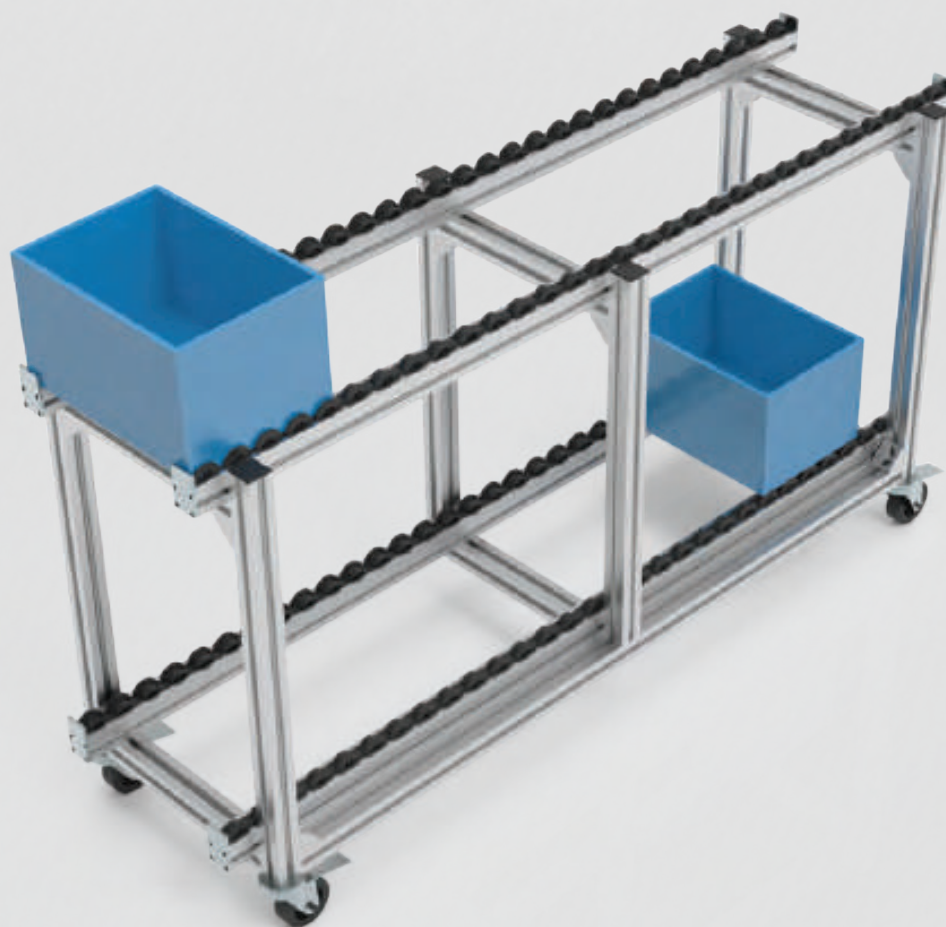
NOTES:

A series of horizontal blue lines for writing notes, spanning the width of the page.

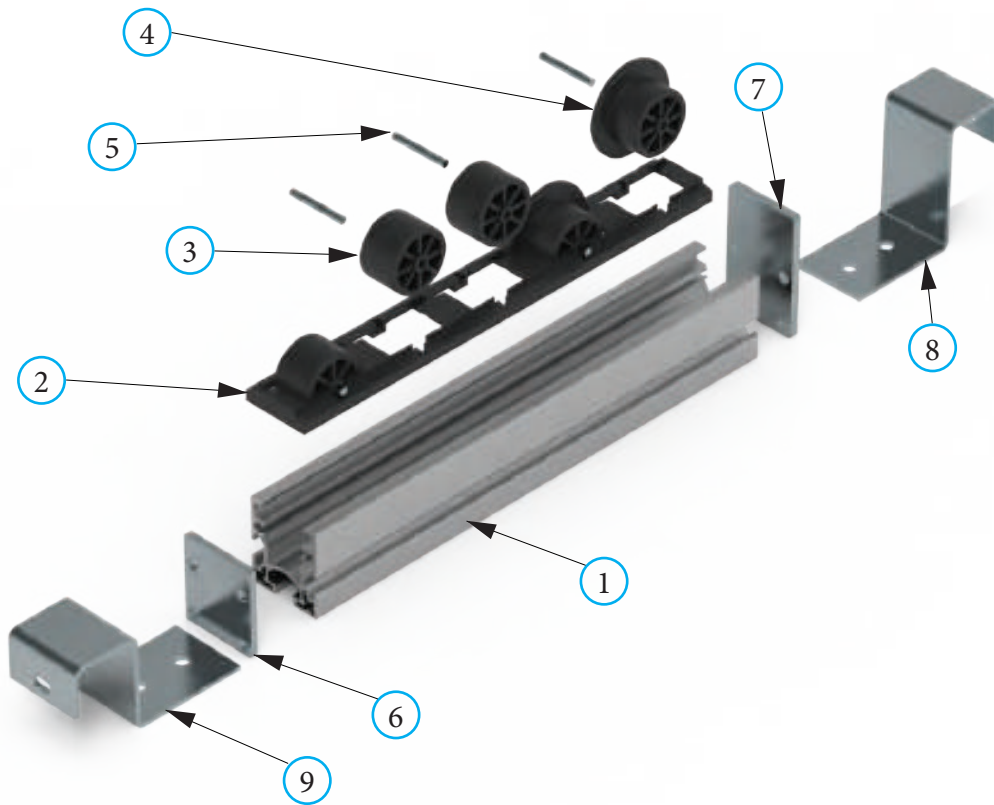


LIPRO

Valjčne proge
Roller rails
Rulliere
Rollenschienen



	Elementi za al. valjčne proge		Componenti per ruliera al.
	Components for al. roller rails		Komponenten für Al.-Rollenschienen



Pos	Opis	Description	Descrizione	Beschreibung	Code
1	Al. profil 40x45	Al. profil 40x45	Profilo al. 40x45	Al.-Profil 40x45	14001
2	Nosilec valjčka PA	Roller carrier PA	Portante rotella PA	Rollenträger PA	14002A
3	Kolo val. proge brez vodenja	Roller - not guided	Rotella senza bordino	Rolleneinsatz nicht geführt	14003A
4	Kolo val. proge z bočnim vodenjem	Roller - lateral guided	Rotella con bordino	Rolleneinsatz mit Bordscheibe	14004A
5	Osovina valjčka Ø4x31	Roller axis Ø4x31	Asse rotella Ø4x31	Rollenachse Ø4x31	14005
6	Zaključna ploščica profila - nizka	End plate - low	Piastra chiusura profilo - bassa	Absschlussplatte-niedrig	14006
7	Zaključna ploščica profila - visoka	End plate - high	Piastra chiusura profilo - alta	Absschlussplatte-hoch	14007
8	Nosilec proge - visok	Rail holder - high	Supporto profilo-alto	Rollenschienen-träger - hoch	14008
9	Nosilec proge - nizek	Rail holder - low	Supporto profilo-basso	Rollenschienen-träger - niedrig	14009

Kazalo Index Indice Inhalt

Components for al. roller rails	138			146	Roller rail holder-low
Al. profile 40x45 for roller rail	140			147	Roller rail holder-high
Roller carrier, axis	140			147	Roller rail closure-low
Roller-not guided	141			148	Central guide
Roller-lateral guided	141			148	Roller rail section link
End plate - low	142			149	Lateral guide
End plate - high	142			149	Label holder
Rail hold-high	143			150	Cross connector
Rail holde-low	143			150	Dual roller rail without guide
Roller rail component	145			151	Roller rail with lat. guide
Support tube holder	146			151	Roller rail without guide



Al. profil 40x45 valjčne proge



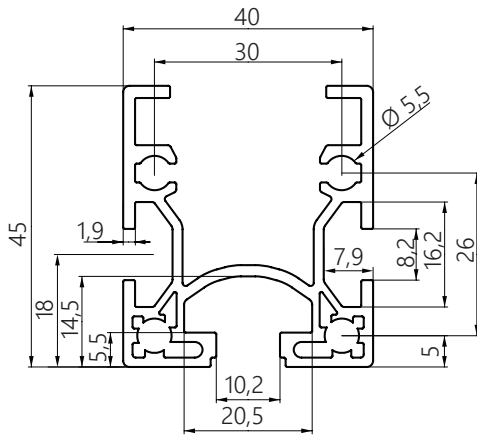
Profilo al. 40x45 per rulliere



Al. profile 40x45 for roller rail



Al.-Profil für Rollenbahnen



		Code	
		Description	
		Al. profile 40x45 for roller rail	1,1Kg/m
			14001



Nosilec valjčka PA / Osovina valjčka



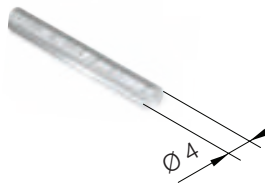
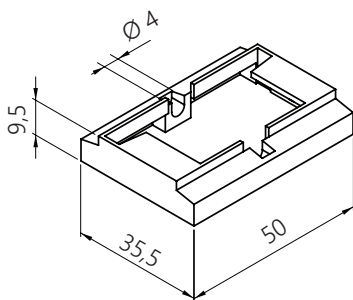
Portante rotella PA / Asse per rotella



Roller carrier PA / Roller axis



Rollenträger PA / Rollenachse



		Code	
			Description
			Roller carrier PA 35,5 x 50 mm
			Roller axis Ø4 x 31 mm
			1g
			3g
			14002A
			14005



Kolo valjčne proge brez vodenja



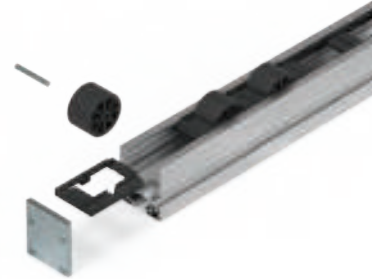
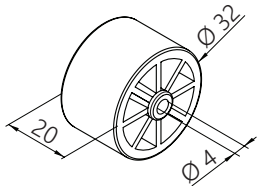
Rotella senza bordino



Roller - not guided



Rolleneinsatz nicht geführt



PA 6

Description



Code

Roller - not guided Ø 32 x 20 mm

10g

14003A



Kolo valjčne proge z bočnim vodenjem



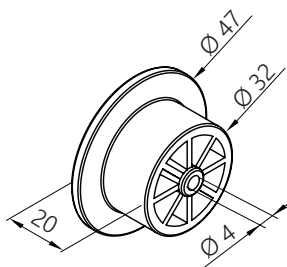
Rotella con bordino



Roller - lateral guided



Rolleneinsatz mit Bordscheibe



PA 6

Description



Code

Roller - lateral guided Ø 47 x 20 mm

13g

14004A



Zaključna ploščica profila - nizka



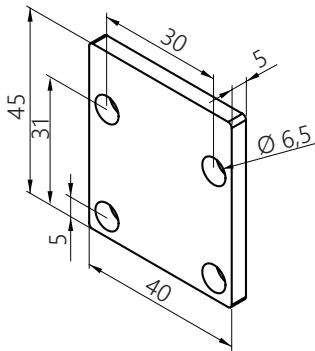
Piastra chiusura profilo - bassa



End plate - low



Abschlussplatte - niedrig



① 4x



			Code
	Description		
	End plate - low		51g

Assembly components - sold separately			Code
①	Round-headed screw M6x16	40	11018



Zaklj. plošč. profila valj. p. visoka



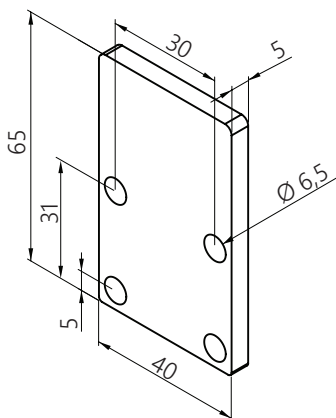
Piastra chiusura profilo - alta



End plate - high



Abschlussplatte - hoch



① 4x



			Code
	Description		
	End plate - high		75g

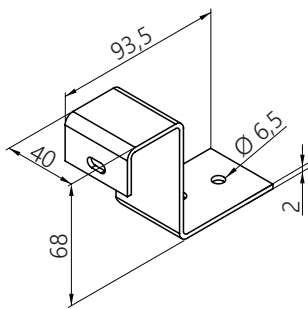
Assembly components - sold separately			Code
①	Round-headed screw M6x16	40	11018



Nosilec proge - visok



Rail holder - high



Supporto profilo - alto



Rollenschienenträger - hoch



1 2x

2 2x



Description



Code

Rail holder - high

137g

14008

Assembly components - sold separately

Code

1

Round-headed screw M6x12

40

11017

2

Hammer nut M6 U8

45

11057

2

Hammer nut M6 U10

45

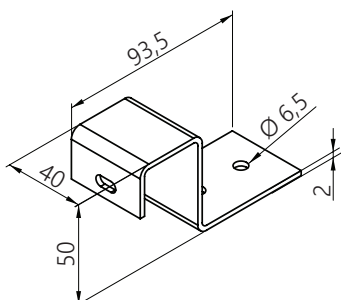
11060



Nosilec proge - nizek



Rail holder - low



Supporto profilo - basso



Rollenschienenträger - niedrig



1 2x

2 2x



Description



Code

Rail holder - low

124g

14009

Assembly components - sold separately

Code

1

Round-headed screw M6x12

40

11017

2

Hammer nut M6 U8

45

11057

2

Hammer nut M6 U10

45

11060



Valjčna proga sestav - Fe



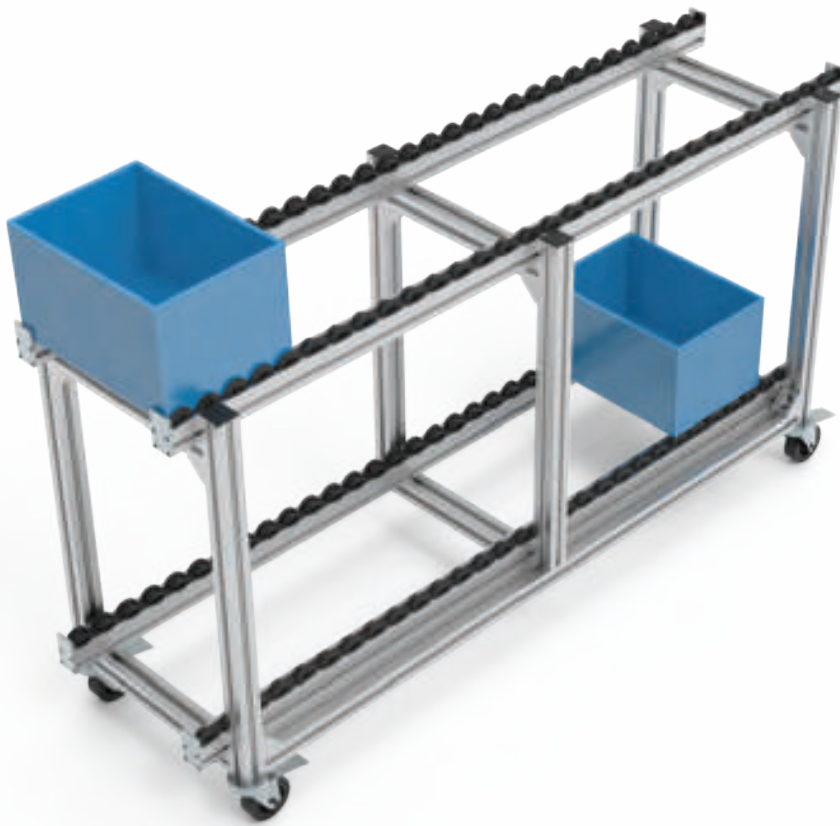
Composizione rulliera - Fe



Roller rail set - Fe



Rollenschiensatz - Fe





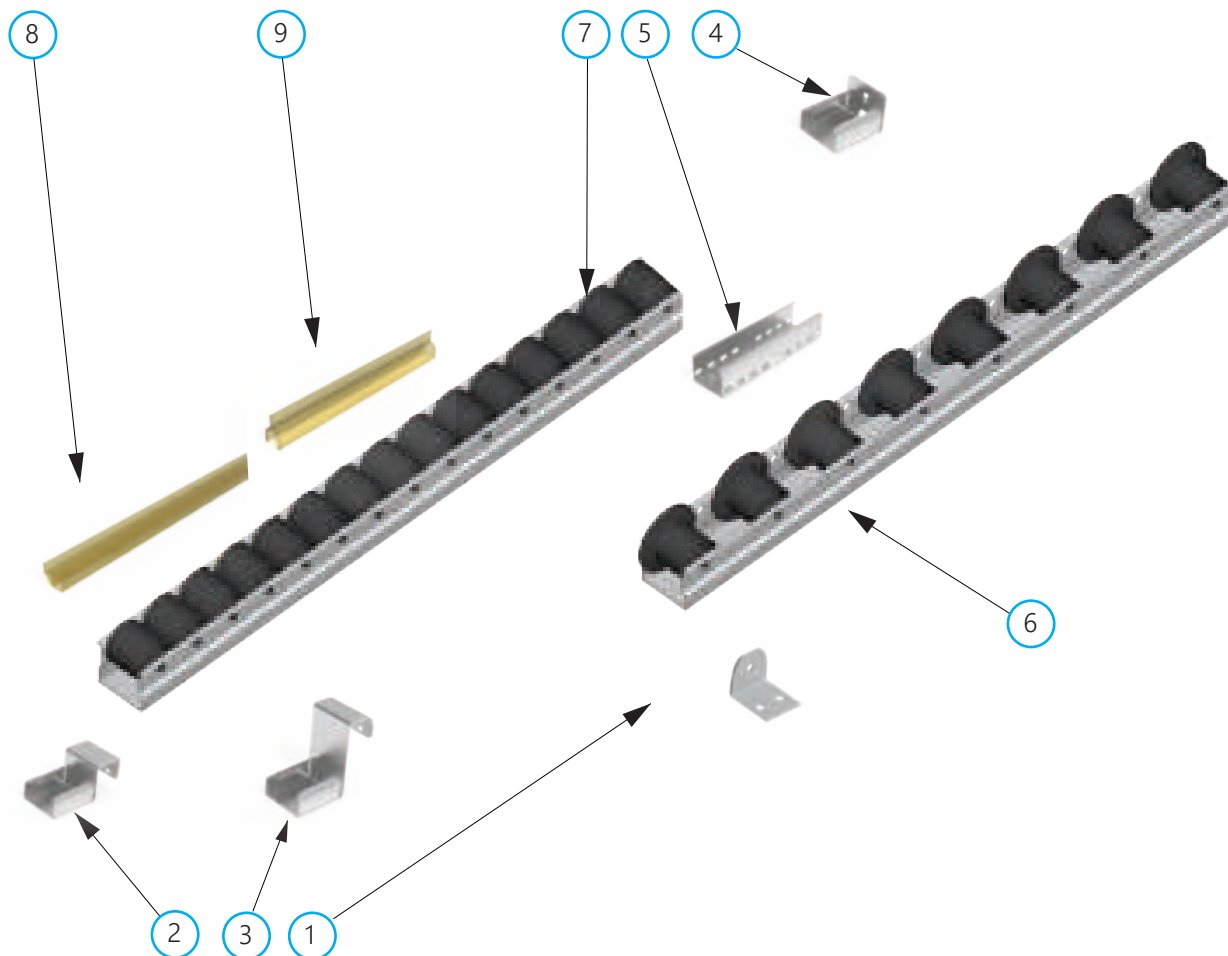
Elementi za valjčne proge - Fe

Roller rail composition - Fe



Composizione elementi ruliera - Fe

Rollenschienen-Komponenten - Fe



Pos	Opis	Descriptions	Descrizione	Beschreibung	Code
1	Nosilec podporne cevi za 14029	Support tube holder for 14029	Portante per tubo supporto 14029	Stützrohrträger für 14029	14010
2	Nosilec valjčne proge Fe - nizek	Roller rail holder Fe - low	Supporto profilo binario Fe - basso	Rollenschienenträge Fe - niedrig	14023
3	Nosilec valjčne proge Fe - visok	Roller rail holder Fe - high	Supporto profilo binario Fe - alto	Rollenschienenträge Fe - hoch	14024
4	Končnik valjčne proge Fe - nizek	Roller rail end plate Fe - low	Staffa entrata-fine Fe - bassa	Rollenschienenverschluss - niedrig	14042
5	Vzdolžni spoj valjčne proge - Fe	Roller-rail section link-Fe	Giunto longitudinale binario - Fe	Rollenschienen-Längsverbindung - Fe	14022
6	Valjčna proga Fe z vodenjem	Roller-rail lateral guided - Fe	Profilo binario Fe - rotelle con bordino	Rollenschienen mit Bordscheibe	14020
7	Valjčna proga Fe brez vodenja	Roller-rail not guided - Fe	Profilo binario Fe - rotelle senza bordino	Rollenschienen - Fe ohne Bordscheibe	14021
8	Bočno vodilo	Lateral guide	Sponda laterale	Seitenführung	14043
9	Sredinsko vodilo	Central guide	Guida centrale	Zentralführung	14026



Nosilec podporne cevi - za 14029



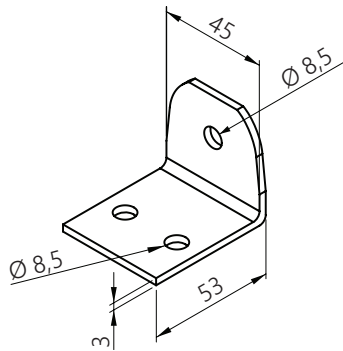
Portante per tubo supp. per 14029



Support tube holder - for 14029



Stützrohrträger - für 14029



		Code	
Zn Fe	Description		
	Support tube holder - for 14029	89g	14010



Nosilec valjčne proge Fe - nizek



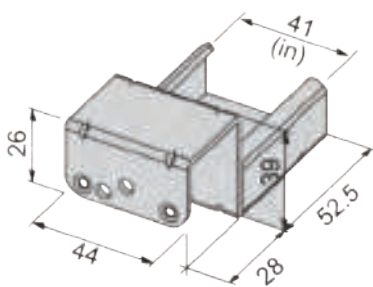
Supporto profilo binario Fe - basso



Roller rail holder Fe - low



Rollenschienenträger Fe - niedrig



		Code	
Zn Fe	Description		
	Roller rail holder Fe - low	100g	14023



Nosilec valjčne proge Fe - visok



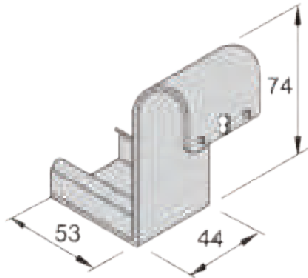
Roller rail holder Fe - high



Supp. profilo binario Fe - alto



Rollenschienenträger Fe - hoch



		Code	
	Description		
	Roller rail holder Fe - high		100g



Končnik valjčne proge Fe - nizek



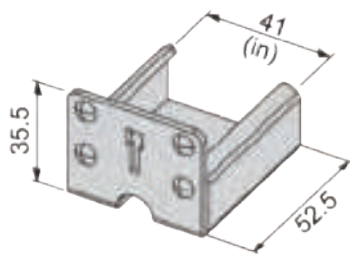
Roller rail closure Fe - low



Staffa entrata-fine Fe - bassa



Rollenschienenverschluss - niedrig



		Code	
	Description		
	Roller rail closure Fe - low		100g



Vzdolžni spoj valjčne proge - Fe



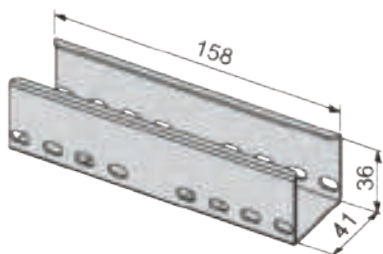
Giunto longitudinale binario - Fe



Roller-rail section link - Fe



Rollenschiene-Längsverbinding - Fe



		Code	
Zn Fe	Description		
	Roller-rail section link - Fe	100g	14022



Sredinsko vodilo



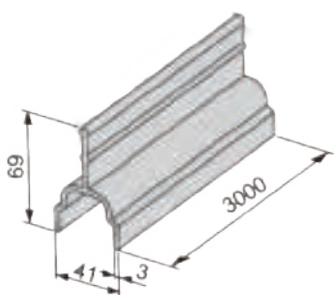
Guida centrale



Central guide



Zentralführung



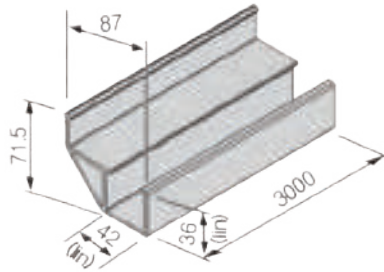
		Code	
PA	Description		
	Central guide L=3000 mm	700g/m	14026



Bočno vodilo
Lateral guide



Sponda laterale
Seitenführung



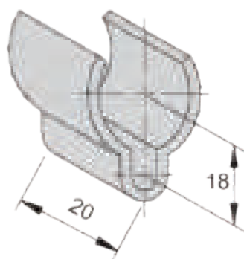
			Code
PA	Description		
	Lateral guide L=3000 mm	700g/m	14043



Nosilec oznake
Label holder



Supporto iscrizioni
Etikettenhalter



			Code
PA	Description		
	Label holder	20g	14025



Križni spoj valjčne proge - Fe



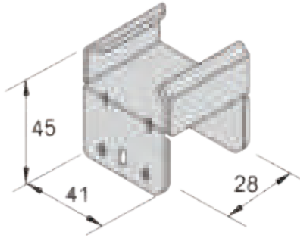
Supporto trasversale binario - Fe



Cross connector for roller rail - Fe



Rollenschienen-Kreuzverbinder - Fe



		Code	
	Description		
	Cross connector for roller rail - Fe		100g



Valj.proga dv. zam. valji brez vodenja



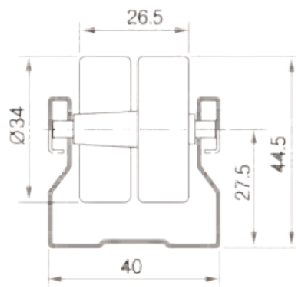
Pr. binario rotelle doppie



Dual roller rail without guide



Doppel-Rollenbahn ohne Führung



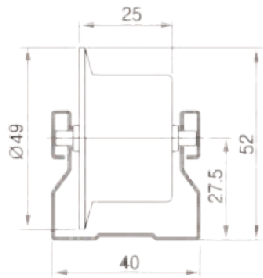
		Code	
	Description		
	Dual roller rail without guide L= 4000 mm		1125g/m



Valjčna proga z vodenjem
Roller rail lateral-guided



Pr. binario rotelle con bordino
Rollenschienen mit Bordscheibe



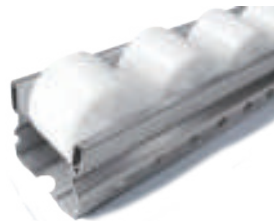
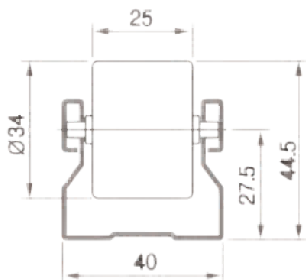
		Code	
Zn Fe	PA	Description	
		Roller rail lateral-guided L= 4000 mm	1070g/m 14020



Valjčna proga brez vodenja
Roller rail not guided



Pr. binario rotelle senza bordino
Rollenschienen ohne Bordscheibe



		Code	
Zn Fe	PA	Description	
		Roller rail not guided L= 4000 mm	1100g/m 14021





LIPRO

Cevni modularni sistem
Modular pipework system
Sistema modulare tubolare
Modulares Rohrsystem





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Al. cevna konstrukcija



Struttura tubolare al.



Al. pipework construction



Modulares Rohrsystem aus Al.





Al. profil Ø 28 L



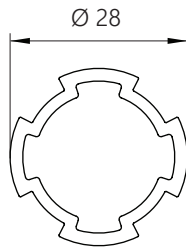
Profilo al. Ø 28 L



Al. profile Ø 28 L



Al.-Profil Ø 28 L



		Code	
Description			
Al. profile Ø 28 L		500g/m	14028



Al. profil Ø 28



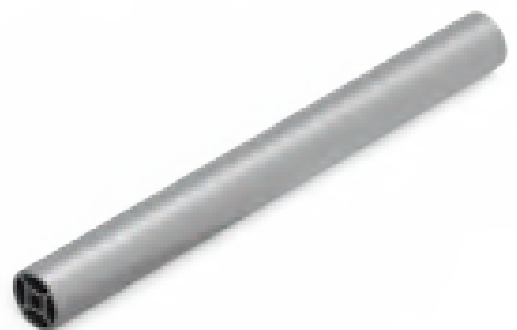
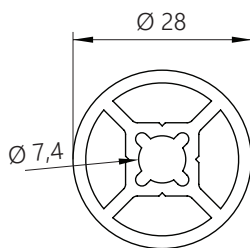
Profilo al. Ø 28



Al. profile Ø 28



Al.-Profil Ø 28



		Code	
Description			
Al. profile Ø 28		600g/m	14029



Pokrov z navojno matico D28



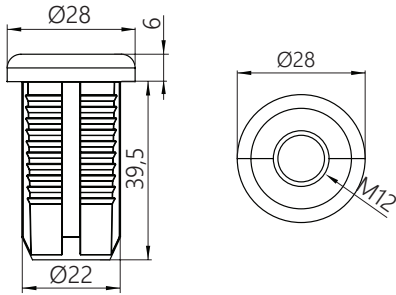
Tappo con dado lungo D28



Threaded sleeve D28



Gewindehülse D28



		Code	
PA6 #	Description	20g	14030
	Threaded sleeve D28		



Pokrov profila Ø28



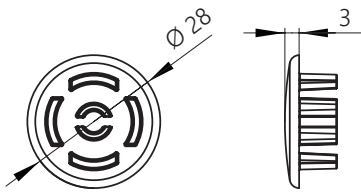
Tappo per profilo Ø28



Cover cap for profile Ø28



Profil-Abdeckkappe Ø28



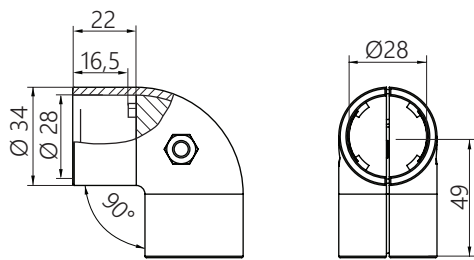
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PA6 #	Description	2g	14031
	Cover cap for profile Ø28 mm		



Cevni spoj-kotni
Corner connector



Racordo tubolare-angolare
Eckverbinder



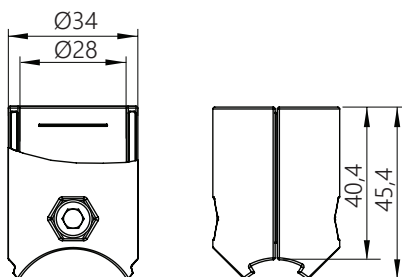
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AI	Description		
	Corner connector	98g	14032



Cevni T-spoj D28
Set T-connector D28



Racordo T-tubolare D28
Set T-Verbinder D28



		Code	
AI	Description		
	Set T-connector 90°	55g	14033



Cevni spoj 45°



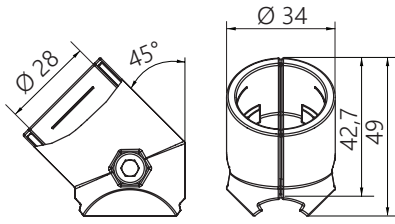
Racordo tubolare 45°



Angle connector 45°



Winkelverbinder 45°



		Code	
AI	Description		
	Angle connector 45°	58g	14034



Zglob za cevni spoj



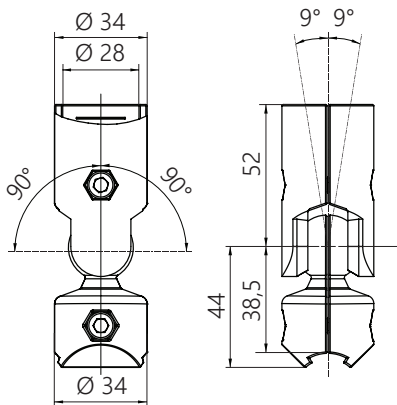
Racordo tubolare a sfera



Ball connector



Kugelverbinder



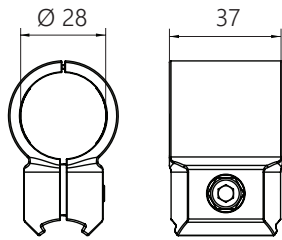
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	Ball connector	130g	14035



Objemni cevni spoj D28
Set parallel clamp D28



Connetore giunto tubolare D28
Set Parallelklemme D28



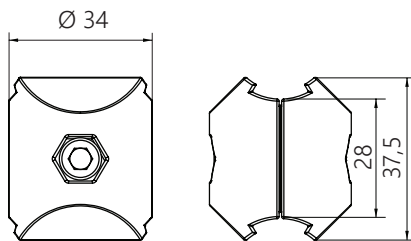
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AI	Description	
	Set parallel clamp D28	76g 14036



Paralelni cevni spoj D28
Parallel connector D28



Connetore giunto tubolare - parallelo D28
Set Parallelverbinder D28



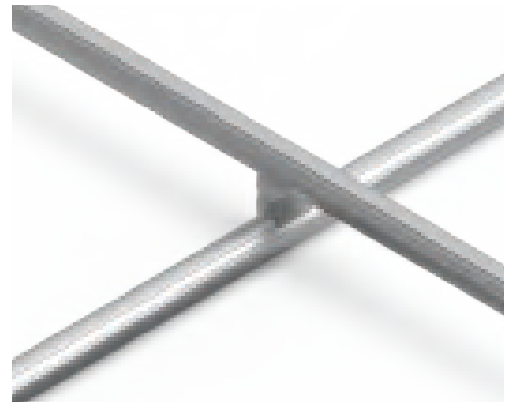
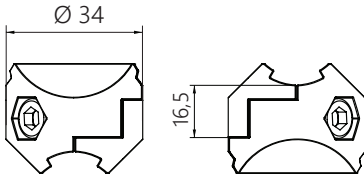
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	Parallel connector	60g 14037



Křížni cevní spoj
Cross connector



Connetore trasversale
Kreuzverbinder



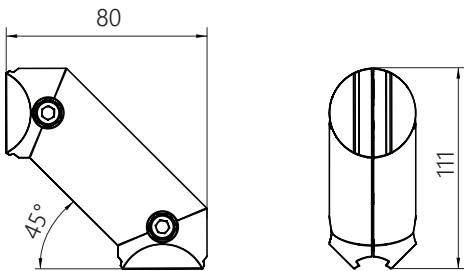
			Code
AI	Description		
	Cross connector	50g	14038



Cevni kotni spoj 45°
Angle connector 45°



Connetore angolare 45°
Winkelverbinder 45°



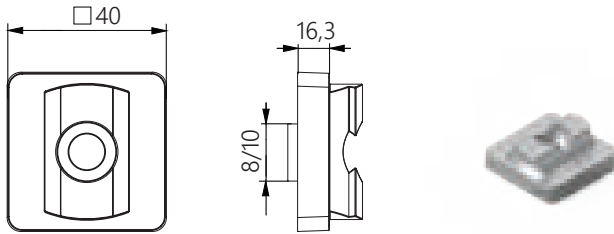
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	Angle connector 45°	128g	14039



Adapter 40x40mm
Adapter plate 40x40mm



Piastra d'adattamento 40x40mm
Adapterplatte 40x40mm



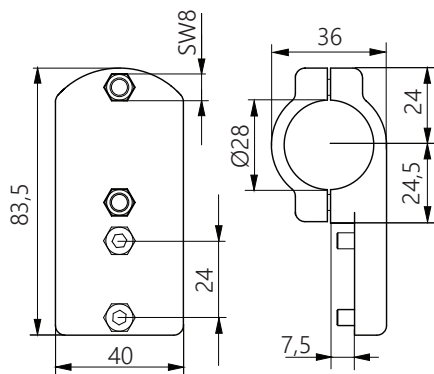
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		Adapter plate 40x40mm	26g
			14040



Nosilec kpl. D28
Mounting clamp set D28



Supporto kpl. D28
Befestigungsklemme Set D28



		Code	
		Description	
		Mounting clamp set D28	212g
			14045



Nosilec kolesa



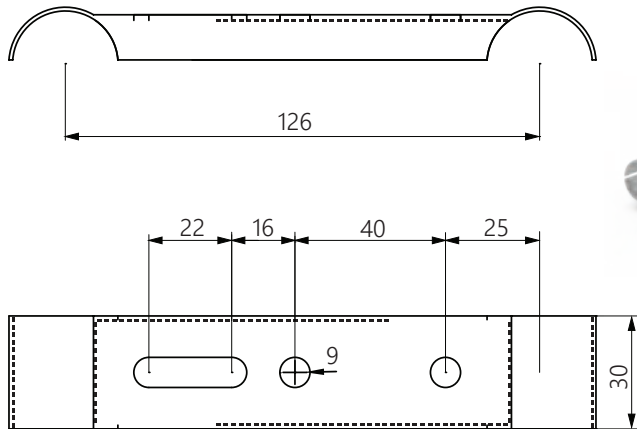
Supporto per ruota



Caster holder



Radträger



Za pritrditev enega kolesa potrebujemo 4 kose
 Per il montaggio della ruota singola servono 4 pezzi
 For mounting one wheel 4 pieces are required
 Für die Montage eines Rades werden 4 Stück benötigt



		Code	
	Description		
	Castor holder	224g	14041

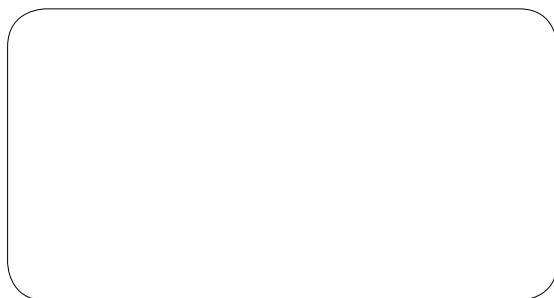
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Modularni Sistem Modular System Sisitema strutturale Modularitysystem





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