

GB

**P Standard finish  
Support Material**

- 1 Self colour
- 2 Pre galvanised
- 3 Hot dip galvanised  
(EN ISO 1461: 1999)
- 4 Stainless steel 316 (A4)
- 5 Electro zinc plated
- 6 Deltatone  
(>550 H ASTM B 1117 94)
- 7 Other finishes or coatings on request

RU

**P Стандартное покрытие  
Материал креплений**

- 1 Собственный цвет
- 2 Предварительная оцинковка
- 3 Оцинковка путем погружения  
(EN ISO 1461: 1999)
- 4 нержавеющая сталь 316 (A4)
- 5 Электрооцинковка
- 6 Deltatone  
(>550 H ASTM B 1117 94)
- 7 Другие виды покрытий и окраски - по  
запросу

TR

**P Standart kaplama: Sprinkler  
destekleme ve bağlama ürünleri**

- 1 Kendi rengi
- 2 Ön galvanize
- 3 Sıcak daldırmayla galvanize  
(EN ISO 1461: 1999)
- 4 Paslanmaz çelik 316 (A4)
- 5 Elektrikle çinko kaplamalı
- 6 Deltatone  
(>550 H ASTM B 1117 94)
- 7 Ayrı kaplamalar için özel taleplerinizi  
bekliyoruz

7

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**RU** Крепежные материалы для спринклеров

**TR** Sprinkler destekleme ve bağlama ürünleri



### Typical Sprinkler Supports

Типовые крепления для спринклеров  
Tipik sprinkler destekleme ve Baglanti urunleri

P. 7.003



### Sprinkler Hangers

Серьги для подвески спринклеров  
Sprinkler askıları

P. 7.004



### Pipe Clips

Стремена для труб  
Boru klipsleri

P. 7.007



### U-Bolts

U-образные болты  
U biçimli civatalar

P. 7.016



### Fixings

Крепления  
Sabitleştirme ürünleri

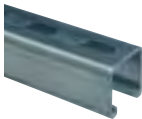
P. 7.019



### Fixings for Steel and Beam

Крепления для стальных конструкций и балок  
Çelik ve krişler için sabitleştirme ürünleri

P. 7.021



### Unistrut, Channels

Unistrut, швеллер  
Unistrut, kanallar

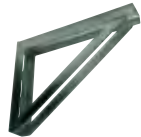
P. 7.027



### Unistrut, Fixings

Unistrut, крепления  
Unistrut, sabitleştirme ürünleri

P. 7.030



### Unistrut, Angle Brackets

Unistrut, угловые скобы  
Unistrut, köşeli mesnetler

P. 7.037



### Nuts/Bolts/Anchors

Гайки/болты/анкера  
somunlar/civatalar/dübelller

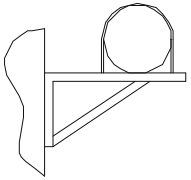
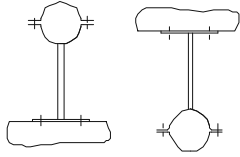
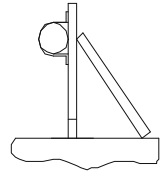
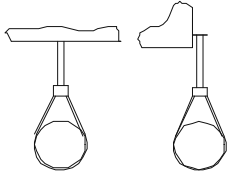
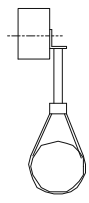
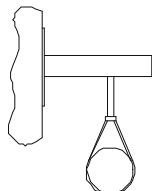
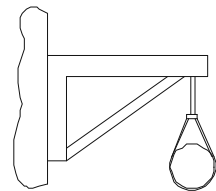
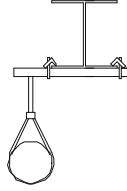
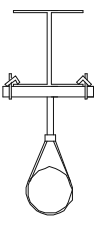
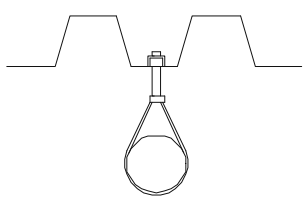
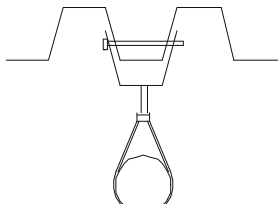
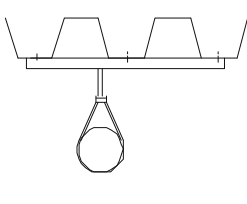
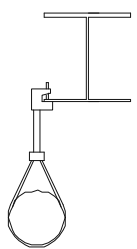
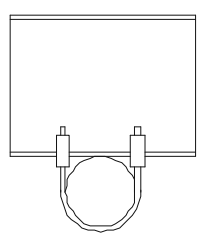
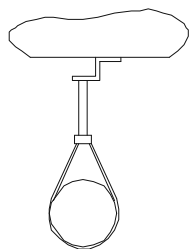
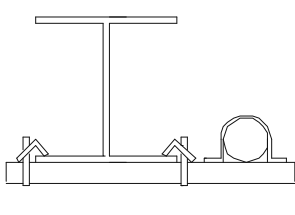
P. 7.042

# Typical Sprinkler Supports

**RU** Типовые крепления для спринклеров

**TR** Tipik sprinkler destekle ve Baglanti urunleri



			
SECTION 1	SECTION 2	SECTION 3	SECTION 4
			
SECTION 5	SECTION 6	SECTION 7	SECTION 8
			
SECTION 9	SECTION 10	SECTION 11	SECTION 12
			
SECTION 13	SECTION 14	SECTION 15	SECTION 16

**We offer a wide range of standard sprinkler supports which can be pre-assembled in house. Our Application Engineering Department can assist you in finding the best Sprinkler Support Solution. Detailed technical Catalog / CD-Rom available on request.**

Предлагаем широкий ассортимент стандартных спринклерных креплений, которые могут быть предварительно собраны для Вас. Наше техническое подразделение по работе с объектами поможет подобрать наиболее оптимальное решение для крепления спринклеров. Подробный технический каталог / диск CD-Rom предоставляется по запросу.





Şirketimizde ön montajını yapabileceğimiz geniş bir sprinkler destekleme ve bağlama ürünler gamını sunmaktayız. Uygulama uzmanlarımız size en iyi sprinkler destekleme ve bağlama çözümü bulmakta yardımcı olabilir. Detaylı teknik katalog/ CD istek üzere sunulmaktadır.

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## Pipe Clips, Sprinkler Hangers

**RU** Стремена для труб, серьги для подвески спринклеров

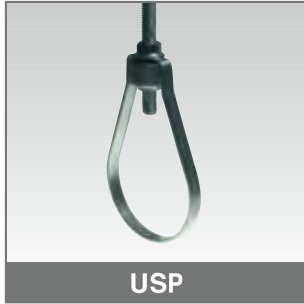
**TR** Boru klipsleri, sprinkler askıları

	<b>Model USP</b> Модель USP Model USP	P. 7.005
	<b>Model SPH</b> Модель SPH Model SPH	P. 7.005
	<b>Model Filbow</b> Модель Filbow Model Filbow	P. 7.006
	<b>Model 260</b> Модель 260 Model 260	P. 7.006

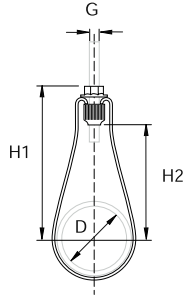
# Sprinkler Hangers

**RU** Серьги для подвески спринклеров

**TR** Sprinkler askıları



USP

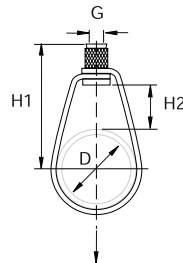


Model USP

Art. No.	P	D “ NB/DN		G	H1 mm	H2 mm	Kg /100		VDS	FM
USP15	2	1/2	15	M8	56	41	4.4	50	√	
USP20	2	3/4	20	M8	57	42	4.8	50	√	
USP25	2	1	25	M8	57	42	5.2	50	√	
USP32	2	1.1/4	32	M8	57	42	5.6	50	√	
USP40	2	1.1/2	40	M8	62	47	6.0	50	√	
USP50	2	2	50	M8	72	57	6.4	50	√	
USP2010	2	3/4	20	M10	57	42	4.8	50	√	
USP2510	2	1	25	M10	57	42	5.2	50	√	√
USP3210	2	1.1/4	32	M10	57	42	5.6	50	√	√
USP4010	2	1.1/2	40	M10	62	47	6.0	50	√	√
USP5010	2	2	50	M10	72	57	6.4	50	√	√
USP65	2	2.1/2	65	M10	89	69	13.0	25	√	√
USP80	2	3	80	M10	104	84	14.0	25	√	√
USP100	2	4	100	M10	135	115	16.0	25	√	√
USP125	2	5	125	M12	151	129	20.0	25	√	√
USP150	2	6	150	M12	188	166	22.0	25	√	√
USP200	2	8	200	M16	236	214	46.0	10	√	√
USP250	2	10	250	M20	310	288	80.0	1	√	



SPH



Model SPH

Art. No.	P	D “ NB/DN		G	H1 mm	H2 mm	Kg /100		FM
SPH00211	2	1/2"	15	M8	53	21	4.0		
SPH00271	2	3/4"	20	M8	53	19	4.1		
SPH00341	2	1"	25	M8	61	23	4.3		
SPH00421	2	1.1/4"	32	M8	68	26	4.5		
SPH00481	2	1.1/2"	40	M8	78	33	4.7		
SPH00601	2	2"	50	M8	78	27	5.0		
SPH00212	2	1/2"	15	M10	53	21	4.0		
SPH00272	2	3/4"	20	M10	53	19	4.1		√
SPH00342	2	1"	25	M10	61	23	4.3		√
SPH00422	2	1.1/4"	32	M10	68	26	4.5		√
SPH00482	2	1.1/2"	40	M10	78	33	4.7		√
SPH00602	2	2"	50	M10	78	27	5.0		√
SPH00762	2	2.1/2"	65	M10	99	40	11.0		√
SPH00892	2	3"	80	M10	103	38	12.0		√
SPH01142	2	4"	100	M10	131	53	22.0		√
SPH01413	2	5"	125	M12	155	64	24.0		√
SPH01683	2	6"	150	M12	163	58	41.0		√
SPH02193	2	8"	200	M12	218	87	45.0		√

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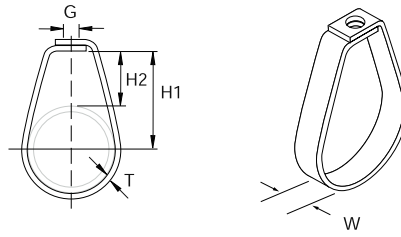
# Sprinkler Hangers

**RU** Серьги для подвески спринклеров

**TR** Sprinkler askıları



**FILBOW**



Model FILBOW											
Art. No.	P	Art. No.	P	"	G mm	W x T mm	H1 mm	H2 mm	kg /100		LPCB* FM*
FIL00212	2	FIL40212	4	1/2	11	25 X 1.2	35	20	5.0	100	
FIL00272	2	FIL40272	4	3/4	11	25 X 1.2	35	20	5.0	100	√ √
FIL00342	2	FIL40342	4	1	11	25 X 1.2	43	26	5.0	100	√ √
FIL00422	2	FIL40422	4	1.1/4	11	25 X 1.2	50	30	5.0	100	√ √
FIL00482	2	FIL40482	4	1.1/2	11	25 X 1.2	60	35	6.0	100	√ √
FIL00602	2	FIL40602	4	2	11	25 X 1.2	60	30	7.0	100	√ √
FIL00762	2	FIL40762	4	2.1/2	11	25 X 1.6	81	33	10.0	100	√ √
FIL00892	2	FIL40892	4	3	11	25 X 1.6	85	40	12.5	100	√ √
FIL01142	2	FIL41142	4	4	11	32 X 1.6	113	56	20.0	100	√ √
FIL01682	2	FIL41682	4	6	13	32 X 2.5	145	60	40.0	100	√ √
FIL02192	2	FIL42192	4	8	18	40 X 3.0	200	90	75.0	100	√ √
FIL02732	2	FIL42732	4	10	22	50 X 3.0	250	130	115.0	100	

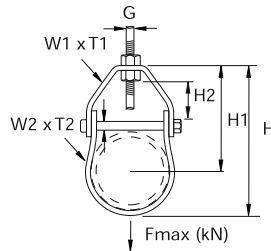
\*Approval only applicable for finish 2

\*Сертификация применима только для покрытия 2

\*Onay sadece 2 nolu yüzey için geçerlidir



**260**



Model 260												
Art. No.	P	"	Fmax kN	W1 x T1 mm	W2 x T2 mm	G mm	H1 mm	H mm	H2 mm	S mm	kg Kg	FM UL
26000212	3	1/2	2.7	25.4 X 3.2	25.4 X 3.2	M10	50.6	61.7	9.5	6.3	0.13	
26000272	3	3/4	2.7	25.4 X 3.2	25.4 X 3.2	M10	51.0	64.8	12.7	6.3	0.13	√ √
26000342	3	1	2.7	25.4 X 3.2	25.4 X 3.2	M10	58.4	75.9	15.8	6.3	0.15	√ √
26000422	3	1.1/4	2.7	25.4 X 3.2	25.4 X 3.2	M10	60.1	82.2	15.8	6.3	0.18	√ √
26000482	3	1.1/2	2.7	25.4 X 3.2	25.4 X 3.2	M10	71.2	71.2	22.1	6.3	0.19	√ √
26000602	3	2	2.7	25.4 X 3.2	25.4 X 3.2	M10	79.2	113.9	28.5	6.3	0.22	√ √
26000762	3	2.1/2	4.9	25.4 X 3.2	25.4 X 3.2	M12	102.8	139.2	49.0	9.5	0.37	√ √
26000892	3	3	4.9	25.4 X 3.2	25.4 X 3.2	M12	121.8	166.0	45.9	9.5	0.42	√ √
26001012	3	3.1/2	4.9	31.8 X 3.8	31.8 X 3.2	M12	128.1	178.7	45.9	9.5	0.48	√ √
26001142	3	4	4.9	31.8 X 3.8	31.8 X 3.8	M16	134.4	191.3	42.7	9.5	0.60	√ √
26001412	3	5	4.9	31.8 X 4.8	31.8 X 3.8	M16	131.3	226.1	47.4	12.7	0.80	√ √
26001682	3	6	4.9	38.1 X 4.8	38.1 X 4.8	M16	175.5	259.3	47.4	12.7	1.21	√ √
26002192	3	8	8.8	44.5 X 4.8	44.5 X 4.8	M16	208.7	317.8	52.2	15.8	1.83	√ √
26002733	3	10	15.8	44.5 X 6.4	44.5 X 6.4	M20	243.5	379.5	47.4	19.0	3.19	
26003242	3	12	16.7	50.8 X 9.5	50.8 X 6.4	M20	284.6	445.9	55.4	19.0	4.75	

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## Pipe Clips

**RU** Стремена для труб

**TR** Boru klipsleri



### Pipe Clip without Insulation Model Solid-N

Стремя для труб без изоляции, модель Solid-N  
Boru klipsi, yalıtımsız, model Solid-N

P. 7.008



### Pipe clip type Perfekt-N with 2 screws

Стремя для труб, тип Perfekt-N, с 2 винтами  
Boru klipsi, iki vidalı Perfekt-N tipi

P. 7.009



### Pipe clamps for Unistrut channels Model M1108-M1155

Хомуты для труб к швеллерам Unistrut, модель M1108-M1155  
Unistrut raylı model M1108-M1155 için boru kelepçeleri

P. 7.010



### Pipe clamps for Unistrut channels Model SS2A-SS2N

Хомуты для труб к швеллерам Unistrut, модель SS2A-SS2N  
Unistrut raylı model SS2A-SS2N için boru kelepçeleri

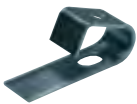
P. 7.010



### Pipe Clip with Silicon high Temperature Insulation Solid-S Silicon

Стремя для труб с силиконовой высокотемпературной изоляцией Solid-S Silicon  
Yüksek ısı izolasyonlu Solid-S Silicon boru klipsi

P. 7.011



### Z Purlin clamp

Зажим Z Purlin  
Z Purlin kelepçesi

P. 7.012



### Industrial Pipeclamps Model PS

Промышленные зажимы для труб, модель PS  
Sanayii boru kelepçeleri, model PS

P. 7.013



### One Hole Strap for CPVC Pipe

Хомут с одним отверстием для труб из ХПВХ  
CPVC borusu için tek delikli askılık

P. 7.013



### Two Hole Strap for CPVC Pipe

Хомут с двумя отверстиями для труб из ХПВХ  
CPVC borusu için çift delikli askılık

P. 7.014



### Side Mount Strap for CPVC Pipe

Хомут для крепления труб из ХПВХ сбоку  
CPVC borusu için yandan saplamalı askılık

P. 7.014



### Stand-Off 2-Hole Strap Hanger for CPVC Pipe

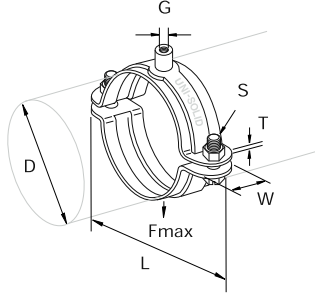
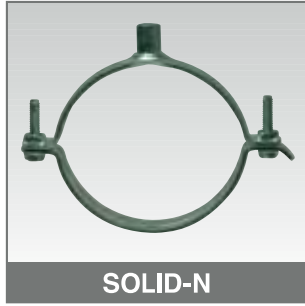
Серьга, обеспечивающая зазор, к ремню с 2 отверстиями для труб из ХПВХ  
CPVC borusu için çift delikli geniş açılı askılık

P. 7.015

# Pipe Clips, Pipe Clip without Insulation

**RU** Стремена для труб, стремя для трубы без изоляции

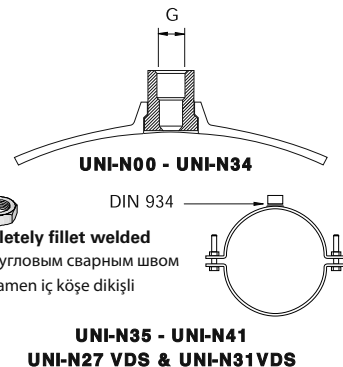
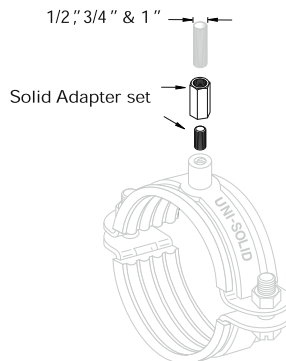
**TR** Boru klipsleri, yalıtımsız boru klipsleri



Model SOLID-N

Art. No.	P	D DN	W x T mm	L mm	G	S	kg /100	Fmax kN		VDS	FM	CNBOP	T/SU
UNI-N 00	5	3/8	10	30 x 2.5	57	M8/M10	M6	9	4.0	50			√ √
UNI-N 01	5	1/2	15	30 x 2.5	62	M8/M10	M6	10	4.0	50	√		√ √
UNI-N 02	5	3/4	20	30 x 2.5	68	M8/M10	M6	11	4.0	50	√		√ √
UNI-N 03	5	1	25	30 x 2.5	75	M8/M10	M6	12	4.0	50	√		√ √
UNI-N 04	5			30 x 2.5	81	M8/M10	M6	12	4.0	50	√		√ √
UNI-N 05	5	1.1/4	32	30 x 2.5	85	M8/M10	M6	13	4.0	50	√		√ √
UNI-N 06	5	1.1/2	40	30 x 2.5	93	M8/M10	M6	15	4.0	50	√		√ √
UNI-N 07	5			30 x 2.5	104	M8/M10	M6	16	4.0	50	√		√ √
UNI-N 08	5	2	50	30 x 2.5	110	M8/M10	M6	18	4.0	50	√		√ √
UNI-N 09	5			30 x 2.5	117	M8/M10	M6	19	4.0	50	√		√ √
UNI-N 10	5	2.1/2	65	30 x 3.0	142	M10/M12	M8	31	5.0	25	√		√ √
UNI-N 11	5			30 x 3.0	148	M10/M12	M8	33	5.0	25	√		√ √
UNI-N 12	5	3	80	30 x 3.0	154	M10/M12	M8	34	5.0	25	√		√ √
UNI-N 13	5			30 x 3.0	163	M10/M12	M8	35	5.0	25	√		√ √
UNI-N 14	5			30 x 3.0	169	M10/M12	M8	40	5.0	25	√		√ √
UNI-N 15	5	4	100	30 x 3.0	177	M10/M12	M8	41	5.0	25	√		√ √
UNI-N 16	5			30 x 3.0	185	M10/M12	M8	42	5.0	25	√		√ √
UNI-N 17	5			30 x 3.0	190	M10/M12	M8	43	5.0	25	√		√ √
UNI-N 18	5			40 x 4.0	207	M12/M16	M10	76	8.0	10	√		√ √
UNI-N 19	5	5	125	40 x 4.0	215	M12/M16	M10	78	8.0	10	√		√ √
UNI-N 20	5			40 x 4.0	222	M12/M16	M10	79	8.0	10	√		√ √
UNI-N 21	5			40 x 4.0	232	M12/M16	M10	88	8.0	10	√		√ √
UNI-N 22	5	6	150	40 x 4.0	240	M12/M16	M10	88	8.0	10	√		√ √
UNI-N 23	5			40 x 4.0	265	M12/M16	M12	93	8.0	10			√ √
UNI-N 24	5			40 x 4.0	273	M12/M16	M12	97	8.0	10			√ √
UNI-N 25	5			40 x 4.0	284	M12/M16	M12	103	12.5	10			√ √
UNI-N 26	5			40 x 4.0	295	M12/M16	M12	114	12.5	10			√ √
UNI-N 27	5	8	200	40 x 4.0	304	M12/M16	M12	124	12.5	10			√ √
UNI-N 27VDS	5	8	200	40 x 4.0	304	M16	M12	124	12.5	10	√		√ √
UNI-N 28	5			40 x 4.0	315	M12/M16	M12	119	12.5	10			√ √
UNI-N 29	5			40 x 4.0	329	M12/M16	M12	140	12.5	10			√ √
UNI-N 30	5			40 x 4.0	340	M12/M16	M12	142	12.5	10			√ √
UNI-N 31	5	10	250	40 x 4.0	352	M12/M16	M12	144	12.5	10			√ √
UNI-N 31VDS	5	10	250	40 x 4.0	352	M20	M12	144	12.5	10	√		√ √
UNI-N 32	5			40 x 4.0	363	M12/M16	M12	148	12.5	10			√ √
UNI-N 33	5			40 x 4.0	382	M12/M16	M12	170	12.5	10			√ √
UNI-N 34	5			40 x 4.0	395	M12/M16	M12	180	12.5	10			√ √
UNI-N 35	5	12	300	50 x 5.0	440	M16*	M16	255	15.0	1			√ √
UNI-N 36	5	14	350	50 x 5.0	471	M16*	M16	263	15.0	1			√ √
UNI-N 37	5			50 x 5.0	482	M16*	M16	271	15.0	1			√ √
UNI-N 38	5	16	400	50 x 5.0	520	M16*	M16	290	15.0	1			√ √
UNI-N 39	5			70 x 7.0	532	M16*	M16	500	15.0	1			√ √
UNI-N 40	5	20	500	70 x 7.0	619	M16*	M16	591	15.0	1			√ √
UNI-N 41	5			70 x 7.0	631	M16*	M16	613	15.0	1			√ √

- Available with M20 connection on request.
- По запросу предоставляется с соединением M20.
- İstek üzere M20 bağlantısı ile sunulur



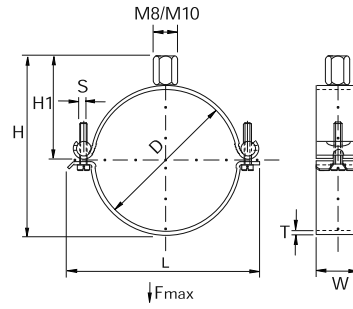
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# Pipe Clips, Pipe clip type Perfekt-N with 2 screws

**RU** Стремена для труб, стремя для трубы типа Perfekt-N с 2 винтами

**TR** Boru klipsi, iki vidalı Perfekt-N tipi



Model PERFEKT-N

Art. No.	Art. No.	D	W x T	H	H1	L	S	Fmax	kg /100		
5	3	mm	mm	mm	mm	mm	mm	N			
128 01 85	128 01 83	3/8"	18-20	20 x 2.00	39	32	44	M5	800	8.1	100
128 02 25	128 02 23	1/2"	21-25	20 x 2.00	42	30	46	M5	800	8.2	100
128 02 85	128 02 83	3/4"	27-32	20 x 2.00	47	33	56	M5	800	8.8	100
128 03 55	128 03 53	1"	33,5-38	20 x 2.00	55	36	61	M5	800	9.5	100
128 04 05	128 04 03		39-43	20 x 2.00	60	38	65	M5	800	9.9	100
128 04 25	128 04 23	1 1/4"	42,4-46	20 x 2.00	64	40	68	M5	800	10.2	100
128 04 85	128 04 83	1 1/2"	48,3-53	20 x 2.00	70	43	77	M5	800	10.9	100
128 06 05	128 06 03	2"	60,3-65	20 x 2.00	82	49	89	M5	800	12.3	50
128 06 86	128 06 83		68-73	25 x 2.50	79	59	105	M6	1900	17.4	50
128 07 26	128 07 23	2 1/2"	73-77	25 x 2.50	103	62	107	M6	1900	18.6	50
128 08 66	128 08 63	3"	84-90	25 x 2.50	105	72	121	M6	1900	20.0	50
128 09 76	128 09 73		97-103	25 x 2.50	138	78	142	M6	1900	21.9	50
128 10 66	128 10 63		106-111	25 x 2.50	139	79	143	M6	1900	22.7	50
128 11 06	128 11 03	4"	109-114	25 x 2.50	140	79	145	M6	1900	23.3	50
128 12 56	128 12 53		125-130	25 x 2.50	156	87	163	M6	1900	26.1	25
128 13 96	128 13 93	5"	139-145	25 x 2.50	169	94	173	M6	1900	29.0	25
128 16 86	128 16 83	6"	160-168	25 x 2.50	191	105	193	M6	1900	32.3	25

- Available with M10/12, M16 & 1/2" connection on request

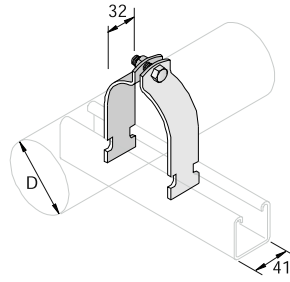
- По запросу предоставляется с соединением M10/12, M16 и 1/2"

- İstek üzere M10/12, M16 ve 1/2" bağlantısı ile sunulur

# Pipe Clips, Pipe clamps for Unistrut channels

**RU** Стремена для труб, трубные зажимы для профилей Unistrut

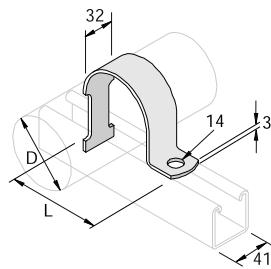
**TR** Boru klipsi, Unistrut kanalları için boru kelepçeleri



**M1108-M1155**

Model M1108-M1155			
Art. No. [2]	Art. No. [4]	D mm	⊘ Kg g
M1108	M1108SS	8.7-10.3	35
M1109	M1109SS	10.3-12.7	37
M1110	M1110SS	11.9-13.5	38
M1111	M1111SS	13.5-14.3	39
M1112	M1112SS	14.3-16.7	40
M1113	M1113SS	15.9-18.3	41
M1114	M1114SS	18.3-20.6	45
M1115	M1115SS	19.0-21.4	47
M1116	M1116SS	21.4-25.4	49
M1117	M1117SS	25.4-27.8	53
M1118	M1118SS	27.0-30.2	64
M1119	M1119SS	30.2-33.8	72
M1120	M1120SS	31.8-35.9	72
M1121	M1121SS	34.9-39.7	79
M1122	M1122SS	39.7-42.9	84
M1123	M1123SS	42.9-46.8	90
M1124	M1124SS	46.8-50.8	128
M1125	M1125SS	48.4-52.4	131
M1126	M1126SS	52.4-58.7	137
M1127	M1127SS	58.7-63.5	150
M1128	M1128SS	63.5-68.3	160
M1129	M1129SS	68.3-73.0	164
M1130	M1130SS	73.0-79.4	171
M1131	M1131SS	76.2-82.6	175

Model M1108-M1155			
Art. No. [2]	Art. No. [4]	D mm	⊘ Kg g
M1132	M1132SS	82.6-88.1	189
M1133	M1133SS	88.1-95.2	203
M1134	M1134SS	95.2-100.0	219
M1135	M1135SS	100.0-106.4	273
M1136	M1136SS	106.4-111.1	286
M1137	M1137SS	111.1-120.7	296
M1138	M1138SS	120.7-129.4	318
M1139	M1139SS	129.4-138.1	343
M1140	M1140SS	138.1-149.2	348
M1141	M1141SS	149.2-161.9	376
M1142	M1142SS	161.9-174.6	410
M1143	M1143SS	174.6-182.6	423
M1144	M1144SS	182.6-190.5	466
M1145	M1145SS	190.5-203.2	491
M1146	M1146SS	203.2-212.7	501
M1147	M1147SS	212.7-225.4	505
M1148	M1148SS	225.4-238.1	524
M1149	M1149SS	238.1-250.8	555
M1150	M1150SS	250.8-263.5	576
M1151	M1151SS	263.5-276.2	592
M1152	M1152SS	276.2-288.9	624
M1153	M1153SS	288.9-301.6	654
M1154	M1154SS	301.6-314.3	679
M1155	M1155SS	314.3-327.0	699



**SS2A-SS2N**

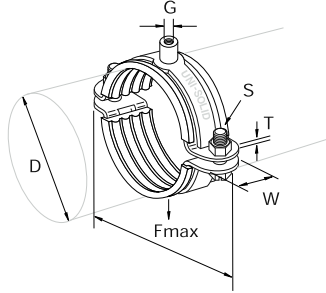
Model SS2A-SS2N						
Art. No. [3]	Art. No. [4]	NB/DN	D mm	L mm	⊘ Kg g	
SS2/AH	SS2/ASS	15	-	21	59	
SS2/BH	SS2/BSS	20	-	27	70	
SS2/CH	SS2/CSS	25	-	34	84	
SS2/DH	SS2/DSS	32	-	43	100	
SS2/EH	SS2/ESS	40	-	48	112	
SS2/FH	SS2/FSS	50	-	60	135	
SS2/GH	SS2/GSS	65	-	76	165	
SS2/HH	SS2/HSS	80	-	90	189	
SS2/JH	SS2/JSS	90	-	102	214	
SS2/KH	SS2/KSS	100	-	115	240	
SS2/LH	-	125	-	140	287	
SS2/MH	SS2/MSS	150	-	168	342	
SS2/NH	SS2/NSS	200	-	220	442	

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# Pipe Clips, Pipe Clip with Silicon high Temperature Insulation

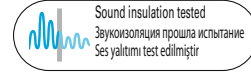
**RU** Стремена для труб, стремя для трубы с силиконовой высокотемпературной изоляцией

**TR** Boru klipsleri, yüksek ısı silikon yalıtımlı boru klipsleri



SILLICON  
SHORE A = 40 ± 5°

+ 225° C 250° C - Max. 2000 h.  
300° C - Max. 100 h.  
- 60° C

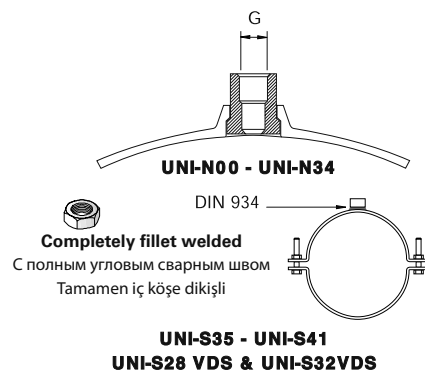
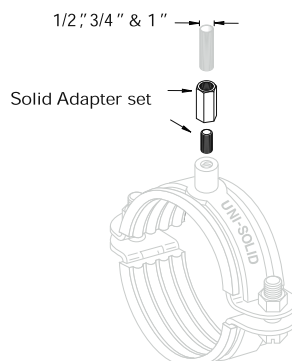


Sound insulation value on average 22 dB (A)  
Показатели звукоизоляции - в среднем 22 дБ (A)  
Ortalama ses yalıtım değeri 22 dB (A)

## Model SOLID-S SILICON

Art. No.	P	D DN	mm	W x T mm	L mm	G	S	kg /100	Fmax kN	VDS		
UNI-S 01	5	3/8	10	14-18	30 x 2.50	62	M8/M10	M6	13	4.0	50	✓
UNI-S 02	5	1/2	15	19-23	30 x 2.50	68	M8/M10	M6	15	4.0	50	✓
UNI-S 03	5	3/4	20	24-28	30 x 2.50	75	M8/M10	M6	17	4.0	50	✓
UNI-S 04	5	1	25	29-33	30 x 2.50	81	M8/M10	M6	18	4.0	50	✓
UNI-S 05	5	1 1/4	32	40-45	30 x 2.50	93	M8/M10	M6	21	4.0	50	✓
UNI-S 06	5	1 1/2	40	47-52	30 x 2.50	104	M8/M10	M6	22	4.0	50	✓
UNI-S 07	5	2	50	53-58	30 x 2.50	110	M8/M10	M6	24	4.0	50	✓
UNI-S 08	5	2 1/2	65	60-65	30 x 2.50	117	M8/M10	M6	28	4.0	50	✓
UNI-S 09	5	3	80	67-72	30 x 3.00	142	M10/M12	M8	37	5.0	25	✓
UNI-S 10	5	3 1/2	100	73-78	30 x 3.00	148	M10/M12	M8	42	5.0	25	✓
UNI-S 11	5	4	125	79-85	30 x 3.00	154	M10/M12	M8	43	5.0	25	✓
UNI-S 12	5	4 1/2	150	88-93	30 x 3.00	163	M10/M12	M8	45	5.0	25	✓
UNI-S 13	5	5	200	94-99	30 x 3.00	169	M10/M12	M8	48	5.0	25	✓
UNI-S 14	5	6	250	100-106	30 x 3.00	177	M10/M12	M8	52	5.0	25	✓
UNI-S 15	5	8	350	108-116	30 x 3.00	185	M10/M12	M8	55	5.0	25	✓
UNI-S 16	5	10	500	117-123	30 x 3.00	190	M10/M12	M8	59	5.0	25	✓
UNI-S 17	5	12	700	124-129	40 x 4.00	207	M12/M16	M10	92	8.0	10	✓
UNI-S 18	5	14	900	131-137	40 x 4.00	215	M12/M16	M10	97	8.0	10	✓
UNI-S 19	5	16	1100	138-145	40 x 4.00	222	M12/M16	M10	110	8.0	10	✓
UNI-S 20	5	18	1300	148-154	40 x 4.00	232	M12/M16	M10	113	8.0	10	✓
UNI-S 21	5	20	1500	156-162	40 x 4.00	240	M12/M16	M10	115	8.0	10	✓
UNI-S 22	5	22	1700	165-171	40 x 4.00	263	M12/M16	M12	118	8.0	10	✓
UNI-S 23	5	24	1900	177-183	40 x 4.00	273	M12/M16	M12	122	8.0	10	✓
UNI-S 24	5	26	2100	188-194	40 x 4.00	284	M12/M16	M12	131	8.0	10	✓
UNI-S 25	5	28	2300	196-203	40 x 4.00	294	M12/M16	M12	139	12.5	10	✓
UNI-S 26	5	30	2500	205-214	40 x 4.00	304	M12/M16	M12	145	12.5	10	✓
UNI-S 27	5	32	2700	219-225	40 x 4.00	315	M12/M16	M12	160	12.5	10	✓
UNI-S 28 VDS	5	32	2700	219-225	40 x 4.00	315	M16	M12	160	12.5	10	✓
UNI-S 29	5	34	2900	226-243	40 x 4.00	329	M12/M16	M12	170	12.5	10	✓
UNI-S 30	5	36	3100	244-250	40 x 4.00	340	M12/M16	M12	180	12.5	10	✓
UNI-S 31	5	38	3300	251-264	40 x 4.00	352	M12/M16	M12	190	12.5	10	✓
UNI-S 32	5	40	3500	265-273	40 x 4.00	363	M12/M16	M12	200	12.5	10	✓
UNI-S 32 VDS	5	40	3500	265-273	40 x 4.00	363	M20	M12	200	12.5	10	✓
UNI-S 33	5	42	3700	285-295	40 x 4.00	382	M12/M16	M12	220	12.5	10	✓
UNI-S 34	5	44	3900	299-305	40 x 4.00	395	M12/M16	M12	230	12.5	10	✓
UNI-S 35	5	46	4100	323.9	40 x 4.00	440	M16*	M16	255	15.0	1	✓
UNI-S 36	5	48	4300	355.6	50 x 5.00	471	M16*	M16	263	15.0	1	✓
UNI-S 37	5	50	4500	368.0	50 x 5.00	482	M16*	M16	271	15.0	1	✓
UNI-S 38	5	52	4700	406.4	50 x 5.00	520	M16*	M16	290	15.0	1	✓
UNI-S 39	5	54	4900	419.0	70 x 7.00	532	M16*	M16	500	15.0	1	✓
UNI-S 40	5	56	5100	508.0	70 x 7.00	619	M16*	M16	591	15.0	1	✓
UNI-S 41	5	58	5300	521.0	70 x 7.00	631	M16*	M16	613	15.0	1	✓

- Available with M20 connection on request.  
- По запросу предоставляется с соединением M20.  
- İstek üzere M20 bağlantısı ile sunulur



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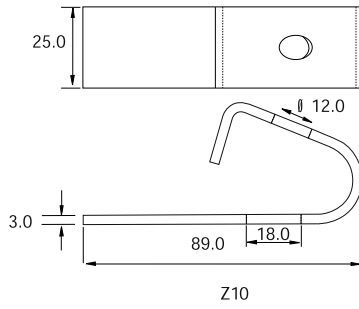
# Pipe Clips, Z Purlin clamp

**RU** Стремена для труб, зажим Z Purlin

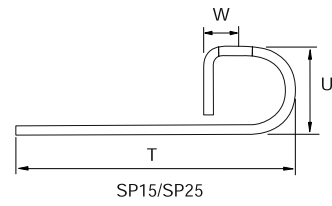
**TR** Boru klipsleri, Z Purlin kelepçesi




**MODEL Z & SP**

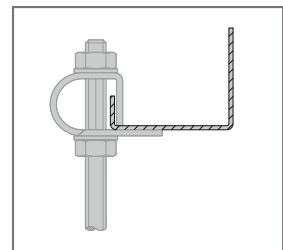
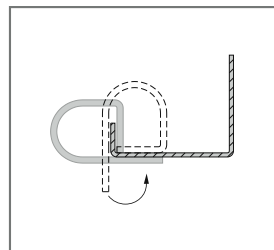
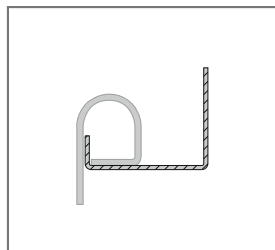
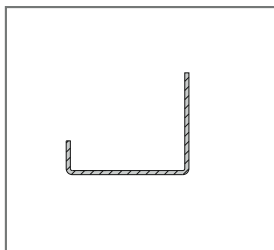
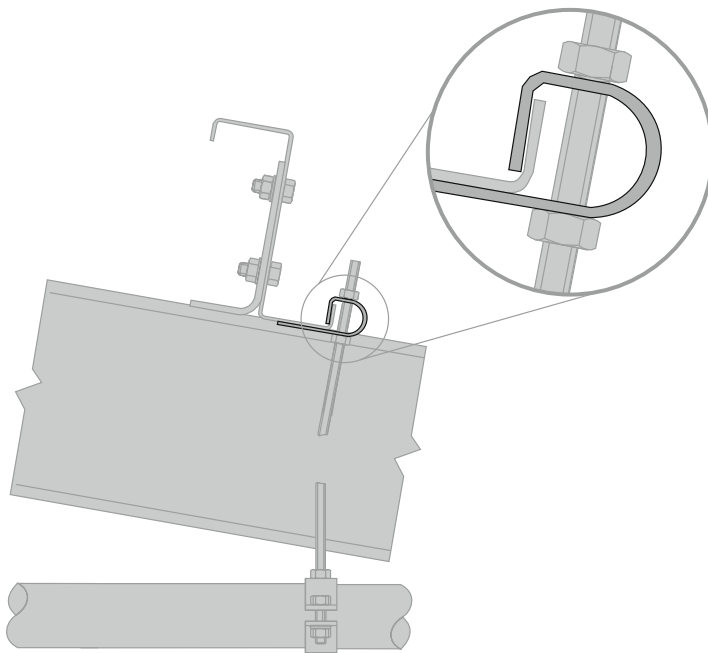


Z10



SP15/SP25

Model Z & SP					
Art. No.	T mm	U mm	W mm	kg /100	
Z10U				0.085	100
SP15	84	35	29.5	0.011	1
SP25	75.5	35	13.5	0.011	1

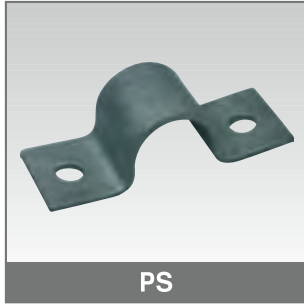


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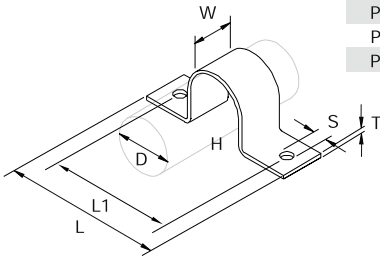
# Pipe Clips, Industrial Pipeclamps

**RU** Стремена для труб, зажимы для труб промышленного типа

**TR** Boru klipsleri, sanayii boru kelepçeleri



PS



## Model P171

Art. No.	P	Art. №.	P	DN	D	..	W x T mm	S mm	L mm	L1 mm
PS0153	3	PS0154	4	15	-	1/2	40x3	11	108	68
PS0203	3	PS0204	4	20	-	3/4	40x3	11	113	73
PS0253	3	PS0254	4	25	-	1	40x3	11	120	80
PS0323	3	PS0324	4	32	-	1.1/4	40x3	11	128	88
PS0403	3	PS0404	4	40	-	1.1/2	40x3	11	134	94
PS0503	3	PS0504	4	50	-	2	40x4	11	148	108
PS0653	3	PS0654	4	65	-	2.1/2	40x4	11	164	124
PS0803	3	PS0804	4	80	-	3	40x4	11	177	137
PS1003	3	PS1004	4	100	-	4	40x4	14	202	162
PS1253	3	PS1254	4	125	-	5	40x6	14	231	191
PS1503	3	PS1504	4	150	-	6	40x6	14	260	220
PS2003	3	PS2004	4	200	-	8	40x6	14	301	261
PS2503	3	PS2504	4	250	-	10	50x6	18	385	335
PS3003	3	PS3004	4	300	-	12	50x6	18	435	385

## Sprinkler Support Material, One Hole Strap for CPVC Pipe

**RU** Материал крепления спринклеров, хомут с одним отверстием для труб из ХПВХ

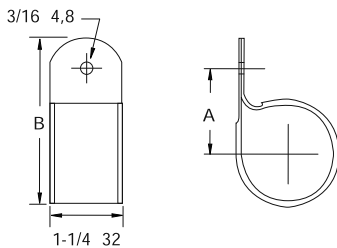
**TR** Sprinkler destekleme ve bağlama ürünleri, CPVC borusu için tek delikli askılık



MODEL 107

## Model 107

Art. No.	Pipe Size Диаметр трубы Boru boyu	A mm	B mm	Max. Hanger Spacing Макс. зазор у серьги Azami askılık aralığı	P
10700272	3/4	25,6	62,4	140,8	2
10700342	1	36,8	69,2	153,6	2
10700422	1.1/4	41,6	78,4	166,4	2
10700482	1.1/2	44,8	84,8	179,2	2
10700602	2	43,2	96	204,8	2



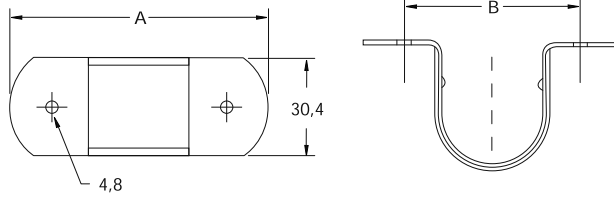
## Pipe Clips, Two Hole Strap for CPVC Pipe

**RU** Стремена для труб, хомут с двумя отверстиями для труб из ХПВХ

**TR** Boru klipsleri, CPVC borusu için çift delikli askılık



Model 108					
Art. No.	Pipe Size Диаметр трубы Boru boyu	A mm	B mm	Max. Hanger Spacing Макс. зазор у серьги Azami askılık aralığı	P
10800272	3/4	80	54.4	140.8	2
10800342	1	84.8	57.6	153.6	2
10800422	1.1/4	107.5	80	166.2	2
10800482	1.1/2	110.4	86.4	179.2	2
10800602	2	124.8	100.8	204.8	2



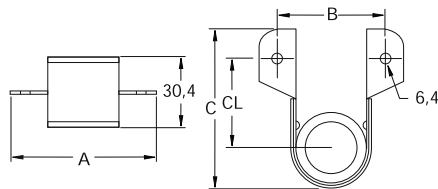
## Pipe Clips, Sprinkler Support Material, Side Mount Strap for CPVC Pipe

**RU** Стремена для труб, материал крепления спринклеров, хомут для крепления труб из ХПВХ сбоку

**TR** Boru klipsleri, Sprinkler destekleme ve bağlama ürünleri, CPVC borusu için yandan saplamalı askılık



Model 109							
Art. No.	Pipe Size Диаметр трубы Boru boyu	A mm	B mm	C mm	CL mm	Max. Hanger Spacing Макс. зазор у серьги Azami askılık aralığı	P
10900272	3/4	59	43.2	62.4	48	140.8	2
10900342	1	67.2	51.2	69.2	51.2	153.6	2
10900422	1.1/4	76.8	60.8	78.4	54.4	166.2	2
10900482	1.1/2	89.2	67.2	84.8	57.6	179.2	2
10900602	2	94.8	78.4	97.6	64	204.8	2



# Pipe Clips, Stand-Off 2-Hole Strap Hanger for CPVC Pipe

**RU** Стремена для труб, серья, обеспечивающая зазор, к ремню с 2 отверстиями для труб из ХПВХ

**TR** Boru klipsleri, CPVC borusu için çift delikli geniş açılı askılık



## Application:

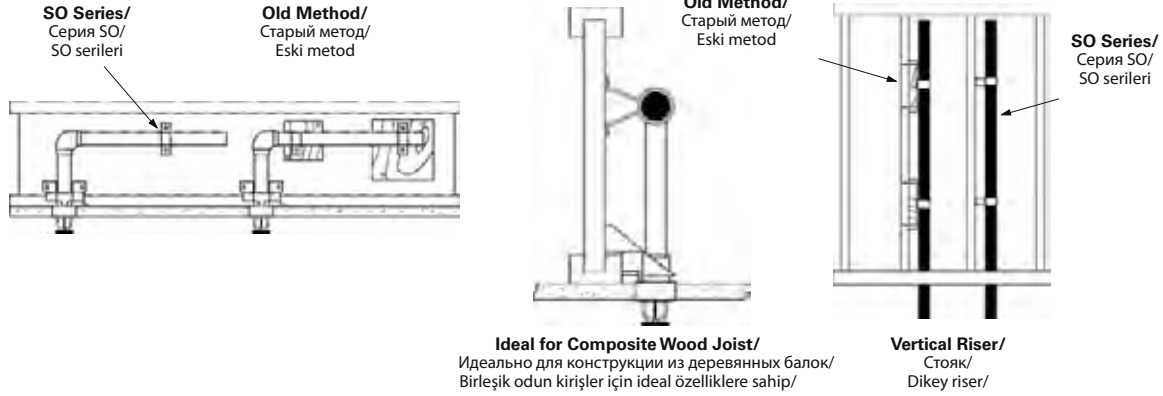
See Below Horizontal position from Top, Bottom or Side of beam. Vertical position on wall studs.

## Использование:

См. ниже горизонтальное положение относительно верхней, нижней и боковой балки. Вертикальное положение на настенных шпильках.

## Uygulama:

Kirişin üst, alt ve yan görüntüsü için aşağıdaki grafiklere bkz. Duvar saplamalarının üstünde dikey pozisyonudur.



Model SO		
Art. No.	Pipe Size Диаметр трубы Boru boyu	P
SO12A	3/4	2
SO16A	1	2
SO20A	1.1/4	2
SO24A	1.1/2	2
SO32A	2	2

## FEATURES

- For mounting CPVC pipe to structural wood or composite wood joists with a minimum 3/8" web thickness.
- Eliminates wood "blocking" materials and labour [No spacer or backup blocks required].
- Fastest offset support for CPVC.
- Positions CPVC pipe 1-1/2" off the surface.
- Available for 3/4"-2" CPVC pipe.
- #10 Hex head cap screws included.
- Complies with static load requirements of NFPA13.

## ХАРАКТЕРИСТИКИ

- Для крепления трубы из ХПВХ к деревянным элементам или конструкциям с деревянными балками с минимальной толщиной внутренних перегородок 3/8".
- Отпадает нужда в материалах для встраивания деревянных блоков и соответствующих работ [не нужны распорки или забуточные блоки].
- Максимально быстрое закрепление при смещении для ХПВХ.
- Отвод трубы из ХПВХ на 1-1/2" от поверхности.
- Есть для труб из ХПВХ 3/4"-2".
- Винты № 10 с шестигранной головкой под ключ прилагаются.
- Соответствует требованиям NFPA13 в отношении статической нагрузки.

## ÖZELLİKLER

- İç kalınlığı en az 3/8" olan yapısal veya bileşik ahşap kirişlere montaj etmek için.
- Ahşap doldurma veya öbeklemeye gerek bırakmamaktadır [aralık ara parçalarına veya destek kalıplara gerek yok].
- CPVC için en hızlı dirsek bağlantısı.
- CPVC boruyu 1-1/2" yüzeyden uzak yerleştirir.
- 3/4"-2" borusu için bulunur.
- #10 altı köşe başlı vidalar dahil edilmiştir.
- NFPA13'nin statik enerji şarjla ilgili şartlarına uymaktadır.

## APPLICATIONS FOR MODELS #107, #108, #109, #112, #SO:

To support CPVC or Polybutylene fire sprinkler piping in Fire Sprinkler Systems installed per NFPA 13, 13R and 13D. Fasten with Hardened Hex Head Screw[s], #10 x 1, supplied Offset edge for abrasion prevention and added strength.

## APPLICATIONS FOR MODELS #107 AND #112:

Install with hanger tabs upward only. If installed inverted, with the hanger tab downward it does not function as a hanger, but as a restrainer. Do not install on the bottom of a beam or under horizontal surface. For these applications, see Model #108.

## ПРИМЕНЕНИЕ ДЛЯ МОДЕЛЕЙ № 107, 108, 109, 112, SO:

Для закрепления трубопроводов из ХПВХ или полибутилена пожарных спринклеров в соответствующих системах согласно NFPA 13, 13R и 13D. Крепление с помощью отвержденных винтов, № 10 x 1 с шестигранной головкой под ключ, отступ кромки для предотвращения истирания и повышения прочности.

## ПРИМЕНЕНИЕ ДЛЯ МОДЕЛЕЙ № 107 и 112:

Установка только с проушинами, обращенными кверху. При установке в противоположном порядке, т.е. с проушинами, обращенными книзу, обеспечивается не подвешивание, а ограничение. Не устанавливать на основание балки или под горизонтальной поверхностью. Насчет такого применения см. модель № 108.

## MODEL #107, #108, #109, #112, #SO İÇİN UYGULAMALAR:

NFPA 13, 13R ve 13D'ye uyarınca kurulan yangın sprinkler sistemlerin CPVC veya polibutalen yangın sprinkler borularının desteklemesi için. Sertleştirilmiş altı köşe vidalarla (#10 x 1) sabitleştirin. Köşe dirsekleri aşınmayı önler ve daha yüksek sağlamlık kazandırır.

## MODEL #107 VE #112 İÇİN UYGULAMALAR:

Askının delikli kısmını sadece yukarı doğru kullanın. Aşağı doğru takılmış olduğunda askı olarak değil restriksiyon olarak işlev görür. Bir kirişin alt kısmına veya yatay bir yüzeyin altına montaj etmeyiniz. Bu tür uygulamalar için lütfen #108 ve #112 no.lu modellere bakınız.

## Pipe Clips, U-bolts

**RU** Стремена для труб, U-образные болты

**TR** Boru klipsleri, U biçimli civatalar



### Pipe Clips, U-bolts

Стремена для труб, U-образные болты

Boru klipsleri, U biçimli civatalar

P. 7.017



### Pipe Clips, U-bolts

Стремена для труб, U-образные болты

Boru klipsleri, U biçimli civatalar

P. 7.018

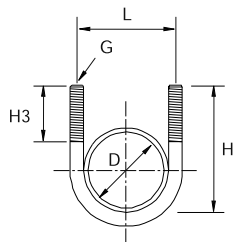


**RU** Стремена для труб, U-образные болты

**TR** Boru klipsleri, U biçimli civatalar



P170

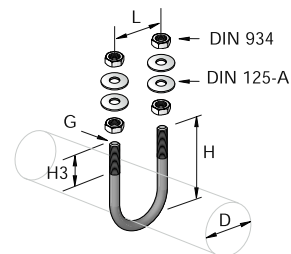


Model P170

Art. No.	P	G	DN	D	mm	H3	H	L	mm	
170002102	5	M6	15	1/2	21.3	20	37	29	100	
170002112	5	M8	15	1/2	21.3	20	37	31	100	
170002702	5	M6	20	3/4	26.9	25	48	34	100	
170002712	5	M8	20	3/4	26.9	36	64	36	100	
170003402	5	M6	25	1	33.7	32	60	41	100	
170003412	5	M8	25	1	33.7	30	44	44	100	
170003422	5	M10	25	1	33.7	30	52	46	100	
170004212	5	M8	32	1.1/4	42.4	35	67	52	100	
170004222	5	M10	32	1.1/4	42.4	35	67	54	100	
170004812	5	M8	40	1.1/2	48.3	40	78	57	100	
170004822	5	M10	40	1.1/2	48.3	40	78	59	100	
170006012	5	M8	50	2	60.3	35	90	71	100	
170006022	5	M10	50	2	60.3	40	90	73	100	
170006032	5	M12	50	2	60.3	35	90	75	100	
170007622	5	M10	65	2.1/2	76.1	40	103	89	100	
170007632	5	M12	65	2.1/2	76.1	35	105	91	100	
170008922	5	M10	80	3	88.9	50	115	100	50	
170008932	5	M12	80	3	88.9	38	115	102	50	
170011422	5	M10	100	4	114.3	50	146	124	50	
170011432	5	M12	100	4	114.3	50	144	126	50	
170011442	5	M16	100	4	114.3	38	140	130	50	
170013932	5	M12	125	5	139.7	60	173	156	25	
170013942	5	M16	125	5	139.7	38	170	160	25	
170016832	5	M12	150	6	168.3	60	198	182	25	
170016842	5	M16	150	6	168.3	38	191	186	25	
170021932	5	M12	200	8	219.1	60	255	236	25	
170021942	5	M16	200	8	219.1	38	255	240	25	
170027332	5	M12	250	10	273.0	38	313	290	1	
170027342	5	M16	250	10	273.0	38	313	294	1	
170027352	5	M20	250	10	273.0	38	313	298	1	
170032432	5	M12	300	12	323.9	38	364	341	1	
170032442	5	M16	300	12	323.9	38	364	345	1	
170032452	5	M20	300	12	323.9	38	364	349	1	

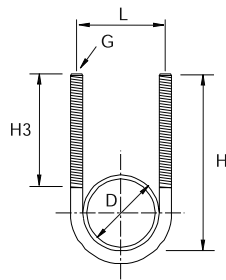
Art. No.	G	DN	D	mm	H3	H	L	mm	
170C02112	M8	15	1/2	21.3	20	37	31	100	
170C02712	M8	20	3/4	26.9	30	64	36	100	
170C03412	M8	25	1	33.7	30	54	44	100	
170C04212	M8	32	1.1/4	42.4	35	67	52	100	
170C04812	M8	40	1.1/2	48.3	40	78	57	100	
170C06022	M10	50	2	60.3	40	90	73	50	
170C07622	M10	65	2.1/2	76.1	40	103	89	50	
170C08922	M10	80	3	88.9	50	113	100	50	
170C11432	M12	100	4	114.3	50	144	126	50	
170C13932	M12	125	5	139.7	60	169	156	25	
170C16832	M12	150	6	168.3	60	194	182	25	
170C21932	M12	200	8	219.1	60	251	236	25	

With bolts, nuts and washers/  
С болтами, гайками и шайбами/  
Civata, somun ve rondelalar ile/




**RU** Стремена для труб, U-образные болты

**TR** Boru klipsleri, U biçimli civatalar



**Model P171**

Art. No.	P	G	DN	D "	mm	H3 mm	H mm	L mm	
171002102	5	M6	15	1/2	21.3	70	97	29	100
171002112	5	M8	15	1/2	21.3	70	97	31	100
171002702	5	M6	20	3/4	26.9	70	109	34	100
171002712	5	M8	20	3/4	26.9	70	109	36	100
171003402	5	M6	25	1	33.7	70	111	41	100
171003412	5	M8	25	1	33.7	70	111	44	100
171003422	5	M10	25	1	33.7	70	111	46	100
171004212	5	M8	32	1.1/4	42.4	90	122	52	100
171004222	5	M10	32	1.1/4	42.4	90	122	54	100
171004812	5	M8	40	1.1/2	48.3	90	127	57	100
171004822	5	M10	40	1.1/2	48.3	90	127	59	100
171006012	5	M8	50	2	60.3	90	140	71	100
171006022	5	M10	50	2	60.3	90	140	73	100
171007622	5	M10	65	2.1/2	76.1	90	152	89	100
171008922	5	M10	80	3	88.9	90	168	100	50
171008932	5	M12	80	3	88.9	90	168	102	50
171011422	5	M10	100	4	114.3	90	193	124	50
171011432	5	M12	100	4	114.3	90	193	126	50
171013932	5	M12	125	5	139.7	90	213	156	25
171016832	5	M12	150	6	168.3	90	240	182	25
171016842	5	M16	150	6	168.3	90	240	186	25
171021932	5	M12	200	8	219.1	90	313	236	25
171021942	5	M16	200	8	219.1	90	313	240	25
171027332	5	M12	250	10	273.0	100	363	290	1
171027342	5	M16	250	10	273.0	100	363	294	1
171032432	5	M12	300	12	323.9	100	413	341	1
171032442	5	M16	300	12	323.9	100	413	345	1
171032452	5	M20	300	12	323.9	100	413	349	1

**RU** Стремена для труб, крепления

**TR** Boru klipsleri, takma ve sabitleştirme parçaları



### Sidebeam Attachment for Sprinkler System Pipework G4530/G6040

Крепежный уголок для труб спринклерной системы G4530/G6040  
G4530/G6040 sprinkler sistemi boru ağı için montaj dirseği

P. 7.020



### Sidebeam Attachment for Sprinkler System Pipework G9060

Крепежный уголок для труб спринклерной системы G9060  
G9060 sprinkler sistemi boru ağı için montaj dirseği

P. 7.020



### Base Plates with Thread Connector Model H

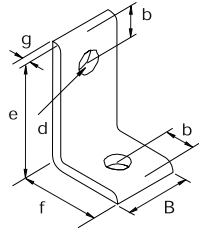
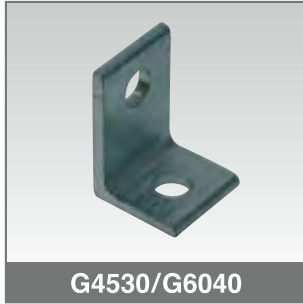
Опорные плиты с резьбовым соединением, модель H  
H tipi disli bağlantıya sahip altlıklar

P. 7.020

# Pipe Clips, Fixings, Sidebeam Attachment for Sprinkler System Pipework

**RU** Стрелена для труб, крепления, крепежный уголок для труб спринклерной системы

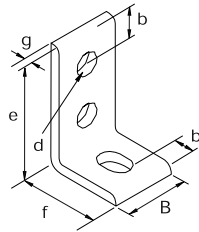
**TR** Boru klipsleri, takma ve sabitleştirme parçaları, sprinkler sistemi boru ağı için montaj dirseği



G4530/G6040

## Model G4530/G6040

Art. No.	P	B mm	b mm	d mm	e mm	f mm	g mm	Fmax N	F N	Max. Tube Макс. труба Azami boru:	Kg	
G4530	5	30	13	11	45	30	4	12000	3500	≤DN 50	0.16	50
G6040	5	45	16	13	60	40	6	25000	5000	≤DN 150	0.20	25



G9060

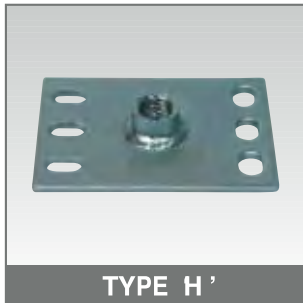
## Model G9060

Art. No.	P	B mm	b mm	d mm	e mm	f mm	g mm	Fmax N	F N	Max. Tube Макс. труба Azami boru:	Kg	
G9060	5	45	15	13	90	60	6	32000	8000	≤DN 150	0.28	25

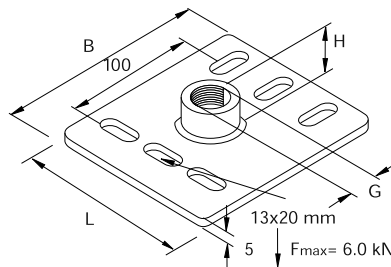
# Pipe Clips, Fixings, Base Plates with Tread Connector

**RU** Стрелена для труб, крепления, плоские опоры с резьбовым соединением

**TR** Boru klipsleri, takma ve sabitleştirme parçaları, disli bağlantıya sahip altlıklar



TYPE H'












\* Complete fillet weld  
\* С полным угловым сварным швом  
\* Tam iç köşe dikişleri

## Model H

Art. No.	P	G	H mm	B	L	S mm	Kg /100	
146 10 00	5	M8	13	130	100	5	44.2	10
146 10 10	5	M10	13	130	100	5	47.6	10
146 10 12	5	M12	14	130	100	5	46.3	10
146 10 16	5	M16*	18	130	100	5	52.7	10
146 10 22	5	1/2''*	20	130	100	5	46.7	10
146 10 28	5	3/4''*	22	130	100	5	50.0	10
146 10 34	5	1''*	28	130	100	5	65.0	10

**RU** Крепления для стальных конструкций и балок

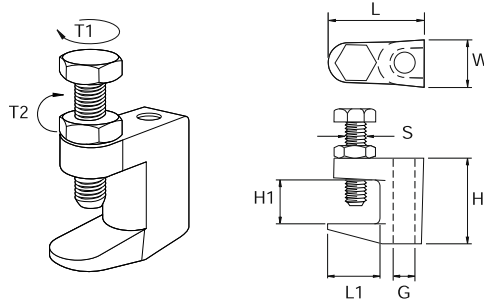
**TR** Çelik ve krişler için sabitleştirme ürünleri

	<p><b>Beam Clamps Model UBC</b> Зажимы для балок, модель UBC Kriş kelepçeleri, model UBC</p>	P. 7.022
	<p><b>Beam Clamps Model 90</b> Зажимы для балок, модель 90 Kriş kelepçeleri, model 90</p>	P. 7.022
	<p><b>Beam Clamps Model 91</b> Зажимы для балок, модель 91 Kriş kelepçeleri, model 91</p>	P. 7.022
	<p><b>Beam Clamps Model Swift</b> Зажимы для балок, модель Swift Kriş kelepçeleri, model Swift</p>	P. 7.023
	<p><b>Retaining Straps</b> Фиксирующие хомуты Emniyet askılığı</p>	P. 7.024
	<p><b>Articulated Beam Clamp Model FLS</b> Зажим на шарнире для балок, модель FLS Eklemlı kriş kelepçesi, model FLS</p>	P. 7.024
	<p><b>Trapeze Ceiling Fixing Model TCB</b> Трапецевидное потолочное крепление, модель TCB Trapez tavan saplama demiri, model TCB</p>	P. 7.025
	<p><b>Model Perfo</b> Модель Perfo Model Perfo</p>	P. 7.025
	<p><b>Tipping Dowel for Hollow Ceilings Model TD</b> Опрокидывающий штифт для потолков с пустыми пространствами, модель TD İçı boş tavanlar için döner saplama pimi, model TD</p>	P. 7.026

# Fixings for Steel and Beam, Beam Clamps

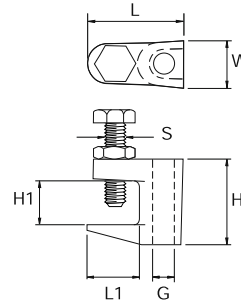
**RU** Крепления для стальных конструкций и балок, зажимы для балок

**TR** Çelik ve krişler için sabitleştirme ürünleri, kriş kelepçeleri



**Model UBC**

Art. No.	P	Fmax kN	T1 Nm	T2 Nm	L mm	H mm	W mm	H1 mm	L1 mm	G mm	S mm		VDS	FM
UBC6T	5	1.1	8	11	36	35	19	17	20	M6	8	50		
UBC8D	5	1.1	8	11	36	35	19	17	20	9	8	50	√	
UBC8T	5	1.1	8	11	36	35	19	17	20	M8	8	50	√	
UBC10D	5	2.4	8	22	45	40	22	19	22	11	10	50	√	√
UBC10T	5	2.4	8	22	45	40	22	19	22	M10	10	50	√	√
UBC12D	5	3.1	8	22	50	46	25	23	28	13	10	25	√	√
UBC12T	5	3.1	8	22	50	46	25	23	28	M12	10	25	√	√

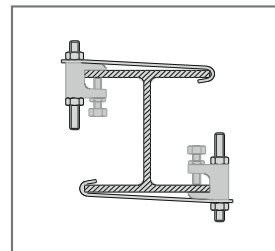
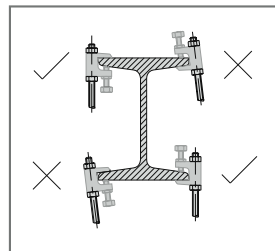
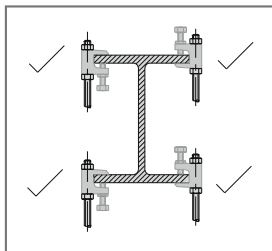


**Model 90**

Art. No.	P	Fmax kN	L mm	H mm	W mm	H1 mm	L1 mm	G mm	S mm		VDS
90M162	5	5.3	51	39	25	19	26	M16	M12	50	√

**Model 91**

Art. No.	P	Fmax kN	L mm	H mm	W mm	H1 mm	L1 mm	G mm	S mm		VDS	FM
91M102	5	2.6	45	51	19	33	26	M10	M10	50	√	√
91M112	5	2.6	45	51	19	33	26	∅ 11	M10	50	√	√
91M122	5	4.4	49	60	28	33	27	M12	M12	50	√	√
91M132	5	4.4	49	60	28	33	27	∅ 13	M12	50	√	√



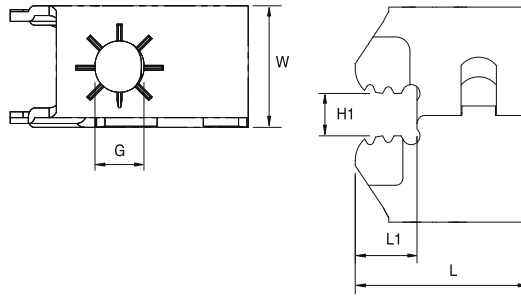
√ = √ = DOĞRU  
× = yanlış

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# Fixings for Steel and Beam, Swiftgrip Beam Clamps

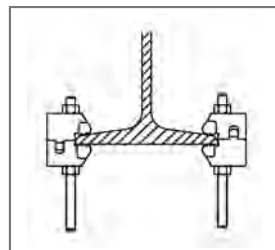
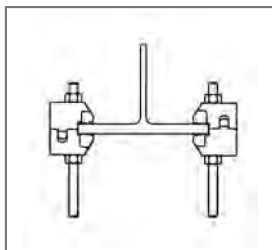
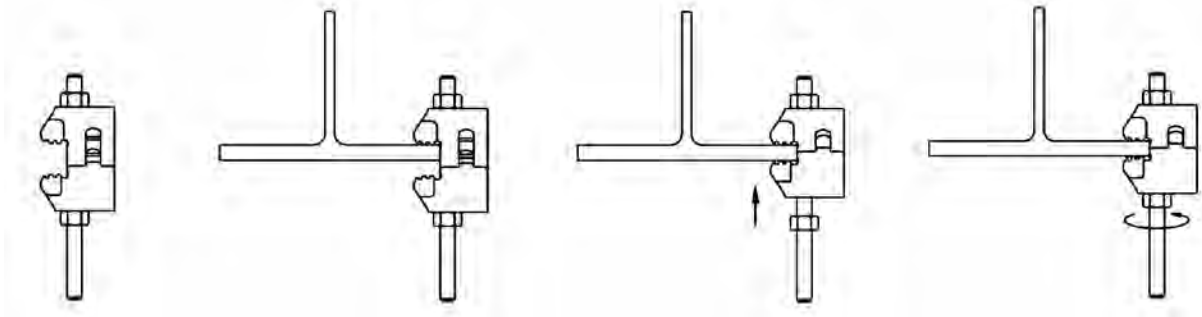
**RU** Крепления для стальных конструкций и балок, зажимы для балок Swiftgrip

**TR** Çelik ve krişler için sabitleştirme ürünleri, Swiftgrip kriş kelepçeleri



**Model SWIFT**

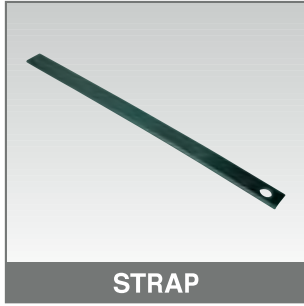
Art. No.	P	Fmax kN	T1 Nm	L mm	W mm	H1 mm	L1 mm	G mm	kg		FM
SWIFT10	5	2.4	11	49	23	3-20	17.5	10.1	0.118	50	√
SWIFT104	4	2.4	11	49	23	3-20	17.5	10.1	0.118	25	√



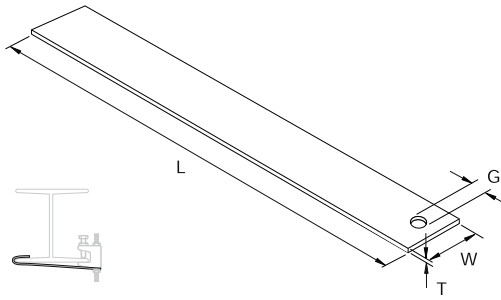
# Fixings for Steel and Beam, Retaining Straps

**RU** Крепления для стальных конструкций и балок, удерживающие хомуты

**TR** Çelik ve krişler için sabitleştirme ürünleri, emniyet askılığı



STRAP



Model STRAP						
Art. No.	G mm	L mm	T mm	W mm	kg	
STRAPM10	11	300	2.5	21	0.125	100
STRAPM12	13	300	2.5	30	0.175	100
STRAPM16	17	300	3.0	40	0.280	100

Size and dimensions are according to VdS Guidelines

Размер и габариты - согласно директивам VdS

Boy ve ebatlar VdS yönergelerine uygun olarak sunulmaktadır.

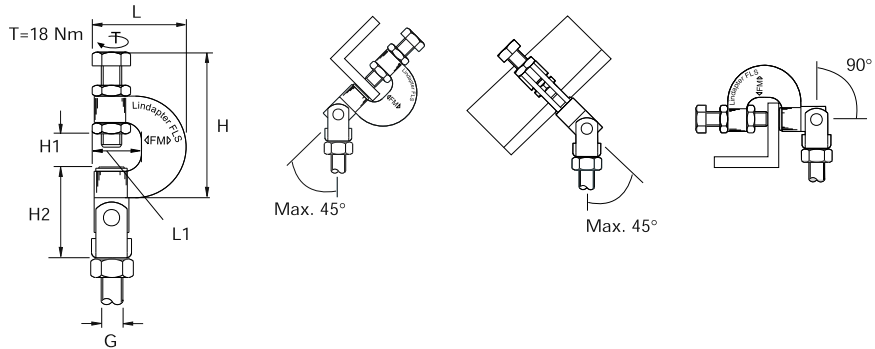
# Fixings for Steel and Beam, Articulated Beam Clamp

**RU** Крепления для стальных конструкций и балок, балочный зажим с шарнирным соединением

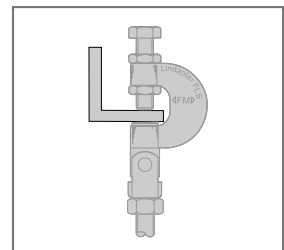
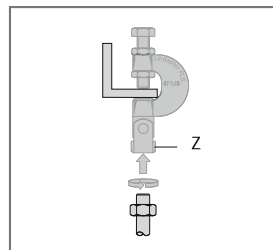
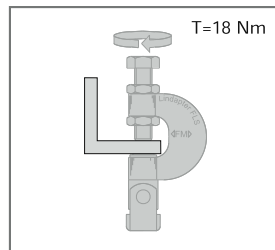
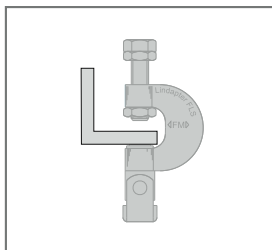
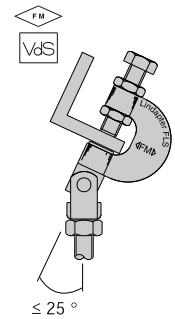
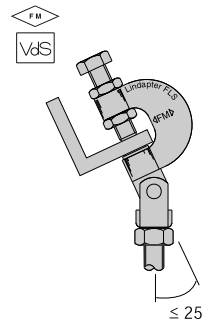
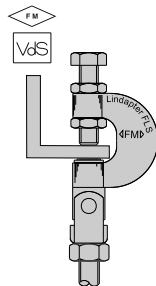
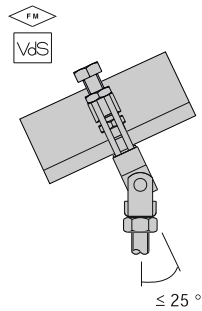
**TR** Çelik ve krişler için sabitleştirme ürünleri, eklemli kriş kelepçeleri



FLS



Model FLS												
Art. No.	P	G	Fmax [ $\leq 25^\circ$ ] kN	Fmax [ $> 25^\circ$ ] kN	T Nm	H2 mm	L mm	H mm	H1 mm	L1 mm	VDS	FM
FLS08	5	M8	2.5	1.5	18	55	53	58	17	27	√	
FLS10	5	M10	2.5	1.5	18	55	53	58	17	27	√	√

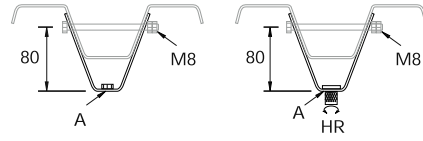
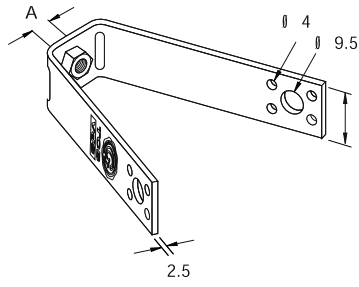


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**RU** Крепления для стальных конструкций и балок, трапециевидное потолочное крепление

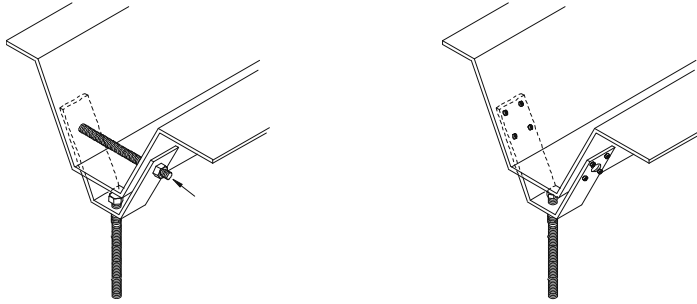
**TR** Çelik ve krişler için sabitleştirme ürünleri, trapez tavan saplama demiri



Model TCB					
Art. No.	P	A	Kg /100		VDS FM
TCB8	5	M8	10.9	100	√
TCB10	5	M10	10.0	100	√ √
1460408	5	M8 HR	11.6	100	
1460410	5	M10 HR	11.5	100	
TCBN12	5	∅ 13 MM	10.9	100	

**HR: - Height adjustable**

- Регулировка по высоте
- Yükseklik ayarlanır

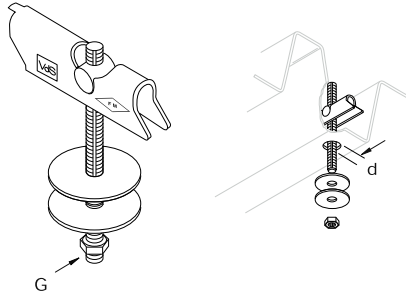


Model PERFO			
Art. No.	L mm	Kg	
2210088	700	2.47	1
2210089		0.11	Set

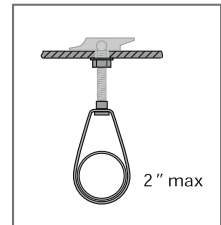
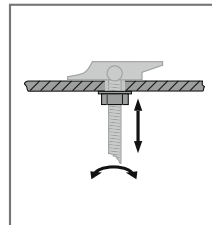
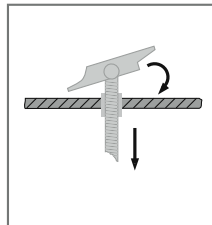
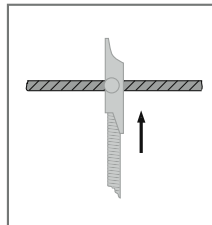
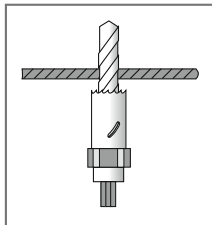
# Fixings for Steel and Beam, Tipping Dowel for Hollow Ceilings

**RU** Крепления для стальных конструкций и балок, опрокидывающий штифт для потолков с пустыми пространствами

**TR** Çelik ve krişler için sabitleştirme ürünleri, içi boş tavanlar için döner saplama pimi



Model TD						
Art. No.	P	G	d mm	o Kg		VDS FM
174 00 65	5	M6x85mm	15	0.048	100	
TDM8X100	5	M8x100mm	22	0.180	100	✓
TDM8X200	5	M8x200mm	22	0.180	100	✓
TDM8X300	5	M8x300mm	22	0.180	50	✓
TDM8X500	5	M8x500mm	22	0.180	50	✓
TDM10X100	5	M10x100mm	25	0.180	50	✓ ✓
TDM10X200	5	M10x200mm	25	0.180	50	✓ ✓

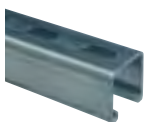


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# Unistrut Channels

**RU** Швеллера Unistrut

**TR** Unistrut kanalları



**Model P1000T**

Модель P1000T

Model P1000T

P. 7.028



**Model P5000T**

Модель P5000T

Model P5000T

P. 7.028

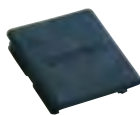


**Model P5500T**

Модель P5500T

Model P5500T

P. 7.029



**Channel End Caps**

Концевые заглушки для швеллеров

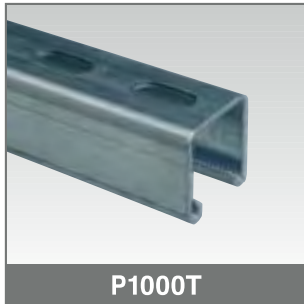
Kanal kör tapa

P. 7.029

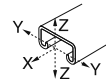
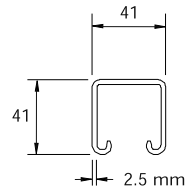
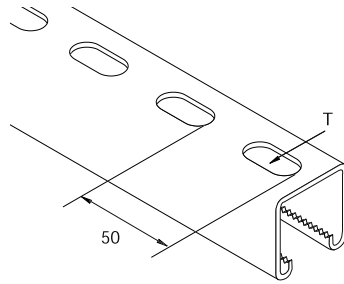
# Unistrut Channels, Unistrut P1000

**RU** Профили Unistrut, Unistrut P1000

**TR** Unistrut kanalları, Unistrut P5000



**P1000T**



$A = 3.00 \text{ cm}^2$   
 $\rho/m = 2.73 \text{ kg/m}$   
 $I_{y-y} = 6.10 \text{ cm}^4$   
 $Z_{y-y} = 2.87 \text{ cm}^3$   
 $r_{y-y} = 1.42 \text{ cm}$   
 $I_{z-z} = 9.17 \text{ cm}^4$   
 $Z_{z-z} = 4.44 \text{ cm}^3$   
 $r_{z-z} = 1.74 \text{ cm}$

### Model P1000

Art. No.	P	T mm	L mm
P1011216	1	28 x 14	6
P1011222	2	28 x 14	2
P1011223	2	28 x 14	3
P1011226	2	28 x 14	6
P1011236	3	28 x 14	6
P1011246	4	28 x 14	6

\*k.L/r =>180 < 250

L [mm]	$F \sigma=175 \text{ N/mm}^2$		$F \sigma=175 \text{ N/mm}^2$		f=1/200L F [kN]	f=1/360L F [kN]	$F_{[kN]}$
	Fmax [kN]	fmax [mm]	Fmax [kN]	fmax [mm]			
250	8.034	0.22	16.069	0.27	-	-	16.283
500	4.017	0.84	8.034	1.05	-	-	16.039
750	2.678	1.88	5.356	2.35	-	4.738	15.274
1000	2.006	3.34	4.012	4.18	-	2.659	13.626
1250	1.604	5.23	3.208	6.54	3.071	1.707	11.880
1500	1.339	1.93	2.678	9.41	2.129	1.177	10.418
1750	1.148	10.25	2.296	12.81	1.560	0.863	9.231
2000	1.001	13.38	2.001	16.73	1.197	0.657	8.270
2250	0.893	16.94	1.785	21.18	0.942	0.520	7.465
2500	0.800	20.92	1.599	26.15	0.765	0.422	6.779
2750	0.726	25.31	1.452	31.64	0.628	0.343	6.190*
3000	0.667	30.12	1.334	37.65	0.530	0.294	5.670*

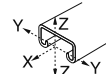
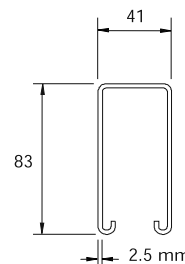
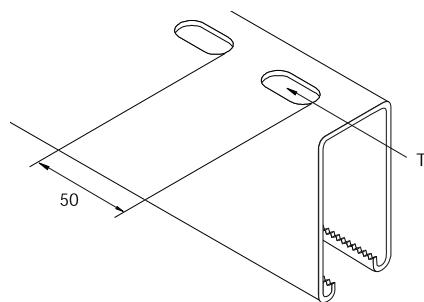
# Unistrut Channels, Unistrut P5000

**RU** Профили Unistrut, Unistrut P5000

**TR** Unistrut kanalları, Unistrut P5000



**P5000T**



$A = 5.06 \text{ cm}^2$   
 $\rho/m = 4.05 \text{ kg/m}$   
 $I_{y-y} = 37.76 \text{ cm}^4$   
 $Z_{y-y} = 9.01 \text{ cm}^3$   
 $r_{y-y} = 2.72 \text{ cm}$   
 $I_{z-z} = 16.95 \text{ cm}^4$   
 $Z_{z-z} = 8.21 \text{ cm}^3$   
 $r_{z-z} = 1.82 \text{ cm}$

### Model P5000T

Art. No.	P	L mm
P5011226	2	6
P5011223	2	3
P5011236	3	6

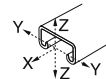
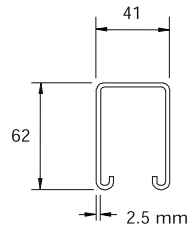
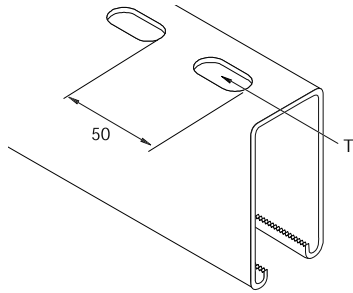
L [mm]	$F \sigma=132 \text{ N/mm}^2$		$F \sigma=132 \text{ N/mm}^2$		f=1/200L F [kN]	f=1/360L F [kN]	$F_{[kN]}$
	Fmax [kN]	fmax [mm]	Fmax [kN]	fmax [mm]			
250	-	-	-	-	-	-	19.620
500	-	-	-	-	-	-	19.355
750	6.298	0.71	12.596	0.89	-	-	16.422
1000	4.724	1.27	9.447	1.59	-	-	12.822
1250	3.777	1.98	7.554	2.48	-	-	10.124
1500	3.149	2.86	6.298	3.58	-	-	8.182
1750	2.698	3.89	5.396	4.86	-	-	6.769
2000	2.359	5.09	4.719	6.36	-	4.120	5.719
2250	2.099	6.44	4.199	8.05	-	3.257	4.934
2500	1.888	7.94	3.777	9.93	-	2.639	4.326
2750	1.717	9.62	3.434	12.02	-	2.178	3.846
3000	1.575	11.45	3.149	14.31	-	1.834	3.453

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# Unistrut Channels, Unistrut P5500

**RU** Профили Unistrut, Unistrut P5500

**TR** Unistrut kanalları, Unistrut P5500



$A = 4.03 \text{ cm}^2$   
 $\rho/m = 3.60 \text{ kg/m}$   
 $I_{y-y} = 17.67 \text{ cm}^4$   
 $Z_{y-y} = 5.59 \text{ cm}^3$   
 $r_{y-y} = 2.09 \text{ cm}$   
 $I_{z-z} = 13.07 \text{ cm}^4$   
 $Z_{z-z} = 6.33 \text{ cm}^3$   
 $r_{z-z} = 1.79 \text{ cm}$

## Model P5500T

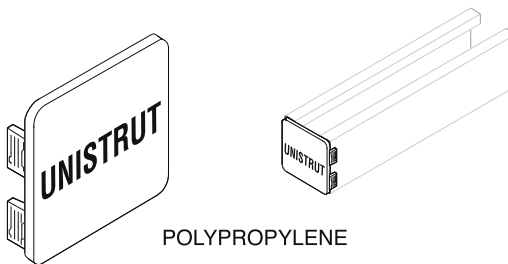
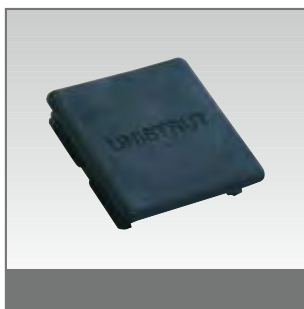
Art. No.	P	L mm
P5511226	2	6
P5511223	2	3
P5511236	3	6

L [mm]	F $\sigma=167 \text{ N/mm}^2$		F $\sigma=167 \text{ N/mm}^2$		f=1/200L	f=1/360L	F [kN]
	Fmax [kN]	fmax [mm]	Fmax [kN]	fmax [mm]	F [kN]	F [kN]	F [kN]
250	-	-	-	-	-	-	20.277
500	-	-	-	-	-	-	20.081
750	4.964	1.20	9.928	1.50	-	-	18.443
1000	3.723	2.14	7.446	2.67	-	-	15.245
1250	2.977	3.34	5.955	4.18	-	4.944	12.557
1500	2.482	4.82	4.964	6.02	-	3.434	10.507
1750	2.124	6.55	4.248	8.19	-	2.521	8.966
2000	1.859	8.56	3.718	10.70	3.473	1.923	7.789
2250	1.653	10.84	3.306	13.55	2.747	1.521	6.867
2500	1.486	13.38	2.972	16.73	2.217	1.236	6.141
2750	1.354	16.19	2.708	20.24	1.834	1.020	5.543
3000	1.241	19.27	2.482	24.09	1.540	0.853	5.042

# Unistrut Channels, Channel End Caps

**RU** Профили Unistrut, концевые заглушки для швеллеров

**TR** Unistrut kanalları, kanal kör tapan



Art. No. Blue/голубой/Mavi	Art. No. White/белый/Bejaz	Art. No. Black/черный/Siyah		Kg /100	
139 21 98	139 21 96	139 21 97	41x21 (P3300 & P4000)	0.3	100
139 41 98	139 41 96	139 41 97	41x41 (P1000)	0.5	100
139 62 98	139 62 96	139 62 97	41x62 (P5500)	0.8	100

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**RU** Фитинги Unistrut

**TR** Unistrut, sabitleştirme ürünleri



### Cantilever type UNIKON

UNIKON, консольный тип  
Konsol UNİKON tipi

P. 7.031



### Cantilever type UNIKON-S

UNIKON-S, консольный тип  
Konsol UNİKON-S tipi

P. 7.031



### Channel Nuts for Unistrut Channels Model PNP

Гайки для швеллеров Unistrut, модель PNP  
Unistrut kanalları için somun, model PNP

P. 7.032



### Flat Fittings Model H41

Плоские фитинги, модель H41  
Yassı fittingler, model H41

P. 7.032



### Angle Fittings

Угловые фитинги  
Sabitleştirici dirsek

P. 7.033

P. 7.034



### Flat Fittings, Z-Fittings & Channel Couplers

Плоские фитинги, Z-образные фитинги и сцепки для швеллеров  
Yassı fitting, Z-fittingler & kanal bağlaçları

P. 7.034

P. 7.035



### Channel Base Fittings & Wing Fittings

Фитинги для крепления к основанию швеллеров и крыльевые фитинги  
Kanal altlık & kanat fittingleri

P. 7.035

P. 7.036



### Beam Clamps

Зажимы для балок  
Kriş kelepçeleri

P. 7.036



### Cantilever Arms

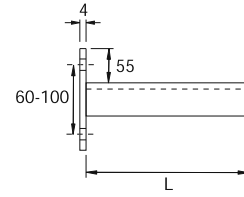
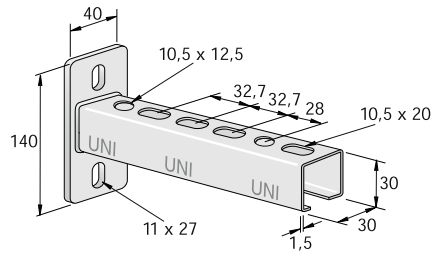
Консольные части  
Konsol kollar

P. 7.036

# Unistrut Fixings, Cantilever type KON

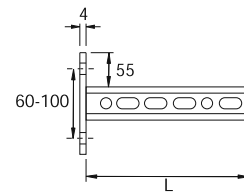
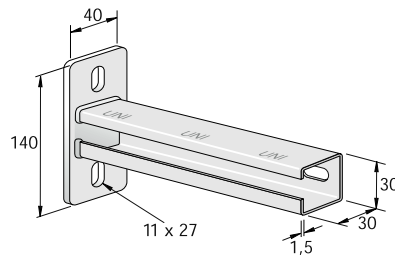
**RU** Крепления Unistrut, консоль типа KON

**TR** Unistrut sabitleştirme ürünleri, konsol, KON tipi



## Model UNIKON

Art. No.	L mm	Ø Kg	Load Diagrams			
			$F_1$	$F_1$	$F_2$	$F_3$
UNIKON180	180	0.30	1.25 KN	0.62 KN	0.62 KN	0.41 KN
UNIKON240	240	0.43	0.92 KN	0.46 KN	0.46 KN	0.31 KN
UNIKON300	300	0.52	0.75 KN	0.37 KN	0.37 KN	0.25 KN
UNIKON360	360	0.58	0.62 KN	0.31 KN	0.31 KN	0.20 KN
UNIKON420	420	0.65	0.53 KN	0.26 KN	0.26 KN	0.17 KN
UNIKON540	540	0.75	0.41 KN	0.20 KN	0.20 KN	0.13 KN
UNIKON660	660	0.82	0.34 KN	0.17 KN	0.17 KN	0.11 KN
UNIKON780	780	0.95	0.28 KN	0.14 KN	0.14 KN	0.09 KN



## Model UNIKON-S

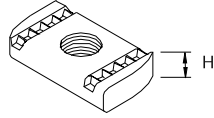
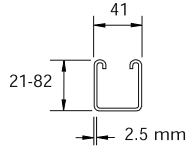
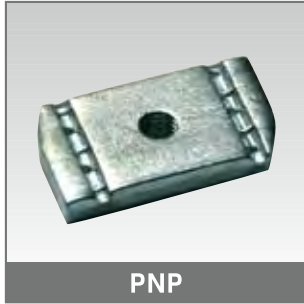
Art. No.	L mm	Ø Kg	Load Diagrams			
			$F_1$	$F_2$	$F_3$	$F_3$
UNIKON180S	180	0.30	1.25 KN	0.62 KN	0.62 KN	0.41 KN
UNIKON240S	240	0.43	0.92 KN	0.46 KN	0.46 KN	0.31 KN

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# Unistrut Fixings, Channel Nuts for Unistrut Channels

**RU** Крепления Unistrut, гайки для швеллеров Unistrut

**TR** Unistrut sabitleştirme ürünleri, Unistrut kanalları için somunlar



PNP

Art. No.	5	Art. No.	3	Art. No.	4	H mm	Kg /100
PNP06ZP	M6	PNP06HDIN	M6	PNP06SS	M6	6.5	3.10
PNP08ZP	M8	PNP08HDIN	M8	PNP08SS	M8	8	3.40
PNP10ZP	M10	PNP10HDIN	M10	PNP10SS	M10	9	3.80
PNP12ZP*	M12	PNP12HDIN*	M12	-	M12	12	4.68
PNP12AZP	M12	PNP12AHDIN	M12	PNP12ASS	M12	9	3.43

\* Not suitable for Unistrut channels P3300 & P4000, P3370

\* Не подходят для профилей Unistrut: P3300 и P4000, P3370

\* P3300 & P4000, P3370 Unistrut kanalları için uygun değildir

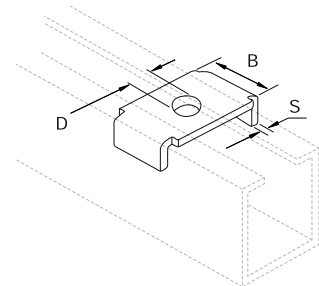
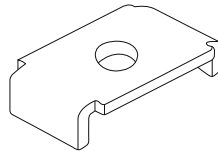
## Unistrut Fixings, Flat Fittings

**RU** Крепления Unistrut, плоские

**TR** Unistrut sabitleştirme ürünleri, yassı fittingler



H41



Model H41					
Art. No.	D mm	s mm	B mm	Kg /100	
1404110	8.5	4	26	4.1	100
1404120	10.5	4	26	4.0	100
1404130	12.5	4	26	3.9	100

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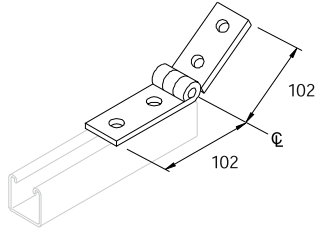
## Unistrut Fixings, Angle Fittings

**RU** Крепления Unistrut, угловые

**TR** Unistrut sabitleştirme ürünleri, dirsek Acili Fittingsler



**P1354**



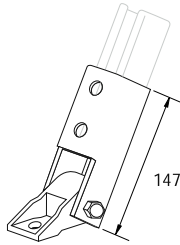
### Model P1354

Art. No. **P** **Kg**

P1354 5 0.452 10



**P2815S**



### Model P2815S

Art. No. **P** **Kg**

P2815S 5 0.2 10

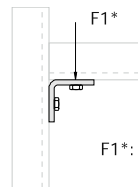
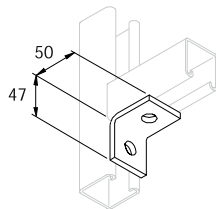
## Unistrut Fixings, Angle Fittings 90°

**RU** Крепления Unistrut, угловые крепления 90°

**TR** Unistrut sabitleştirme ürünleri, dirsekler fittingleri 90°



**P1026**



F1\*: P1000: 6800 N  
P2000: 3140 N



### Model P2815S

Art. No. **P** **Kg**

P1026 3 0.150 50  
P1026SS 4 0.150 50

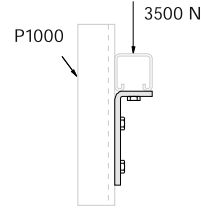
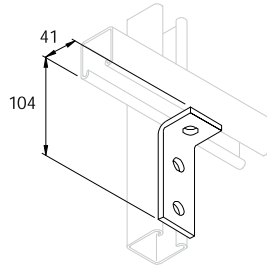
## Unistrut Fixings, Angle Fittings 90°

**RU** Крепления Unistrut, угловые крепления 90°

**TR** Unistrut sabitleştirme ürünleri, dirsekler fittingleri 90°



**P1326**



### Model P1326

Art. No.	P	Kg	
P1326	3	0.240	25
P1326SS	4	0.240	25

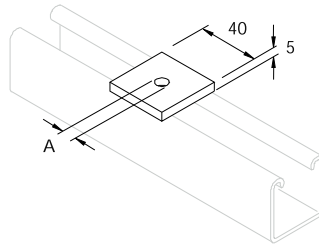
## Unistrut Fixings, Flat Fittings

**RU** Крепления Unistrut, плоские

**TR** Unistrut sabitleştirme ürünleri, yassı fittingler



**P1062/P1064**

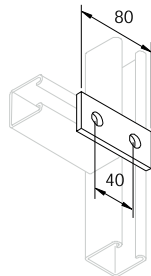


### Model P1062/P1064

Art. No.	P	Art. No.	P	A mm		Kg	
P1062	3	P1062SS	4	8	M6	0.072	100
P1062A	3	P1062ASS	4	10	M8	0.071	100
P1020	3	P1020SS	4	12	M10	0.070	100
P1064	3	P1064SS	4	14	M12	0.068	100



**P1065**



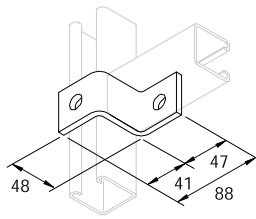
### Model P1065

Art. No.	P	Kg	
P1065	3	0.160	50
P1065SS	4	0.160	50

# Unistrut Fixings, Flat Fittings, Z Fittings & Channel Couplers

**RU** Плоские крепления, плоские фитинги, Z-образные фитинги и сцепки для швеллеров

**TR** Unistrut sabitleştirme ürünleri, yassı fittingler, Z fittingler & kanal bağlaçları



**P1347**

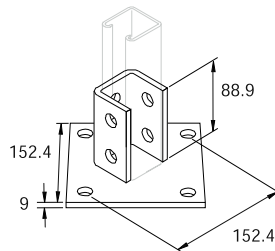
### Model P1347

Art. No.	P	Kg	
P1347	3	0.235	25
P1347SS	4	0.235	25

# Unistrut Fixings, Channel Base Fittings & Wing Fittings

**RU** Крепления Unistrut, крепления для основания швеллеров и уголки для перекрестного соединения

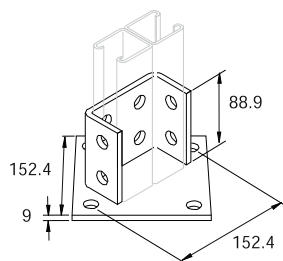
**TR** Unistrut sabitleştirme ürünleri, kanal altlık & kanat fittingleri



**P2072A**

### Model P2072A

Art. No.	P	Kg	
P2072A	3	0.210	1
P2072ASSP	4	0.210	1



**P2073A**

### Model P2073A

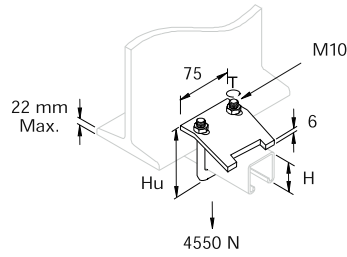
Art. No.	P	Kg	
P2073A	3	0.246	1
P2073ASSP	4	0.246	1

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# Unistrut Fixings, Beam Clamps

**RU** Крепления Unistrut, балочные зажимы

**TR** Unistrut sabitleştirme ürünleri, konsol kolları



P2785-P2788

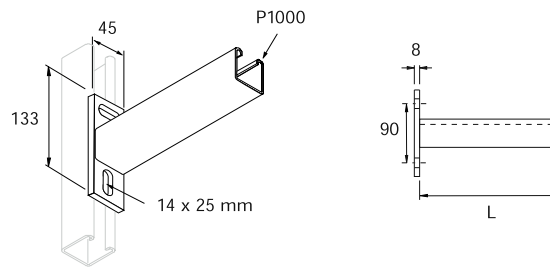
## Model P2785-P2788

Art. No.	P	Art. No.	F	H mm	Hu mm	Kg	
P2785	5	P2785SS	4	21-41	86	0.36	25
P2786	5	P2786SS	4	62-83	127	0.40	10
P2787	5	P2787SS	4	124	171	0.45	10
P2788	5	P2788SS	4	164	209	0.49	10

# Unistrut Fixings, Cantilever Arms

**RU** Крепления Unistrut, консольные части

**TR** Unistrut sabitleştirme ürünleri, konsol kolları



P2663

## Model P2663

Art. No.	P	L mm	Kg	Diagram 1	Diagram 2	Diagram 3	Diagram 4
P2663/150	3	150	0.80	6,20 kN	3,10 kN	3,10 kN	2,06 kN
P2663/300	3	300	1.17	3,20 kN	1,60 kN	1,60 kN	1,06 kN
P2663/450	3	450	1.59	2,15 kN	1,07 kN	1,07 kN	0,71 kN
P2663/600	3	600	2.03	1,62 kN	0,81 kN	0,81 kN	0,54 kN
P2663/750	3	750	2.53	1,30 kN	0,65 kN	0,65 kN	0,43 kN

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# Unistrut Angle Brackets

**RU** Unistrut, угловые скобы

**TR** Unistrut, köşeli mesnetler



## Angle Brackets Model KON 100

Угловые скобы, модель KON 100  
Dirsek mesnetleri, model KON 100

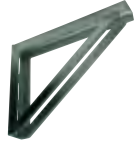
P. 7.038



## Angle Brackets Model KON 150

Угловые скобы, модель KON 150  
Dirsek mesnetleri, model KON 150

P. 7.038



## Angle Brackets Model KON 300/200

Угловые скобы, модель KON 300/200  
Dirsek mesnetleri, model KON 300/200

P. 7.039



## Angle Brackets Heavy Duty Model KON 550/530

Угловые скобы для тяжелого режима, модель KON 550/530  
Dirsek mesnetleri, ağır işler için elverişli model KON 550/530

P. 7.040



## Angle Brackets Heavy Duty Model KON 700/400

Угловые скобы для тяжелого режима, модель KON 700/400  
Dirsek mesnetleri, ağır işler için elverişli model KON 700/400

P. 7.040



## Angle Brackets Heavy Duty Model KON 850/550

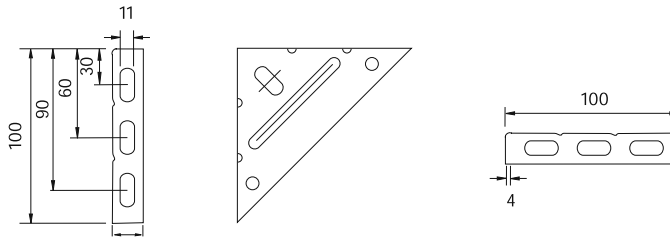
Угловые скобы для тяжелого режима, модель KON 850/550  
Dirsek mesnetleri, ağır işler için elverişli model KON 850/40

P. 7.041

# Unistrut Angle Brackets, Angle Brackets

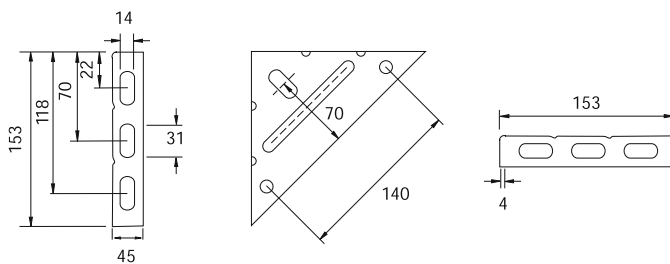
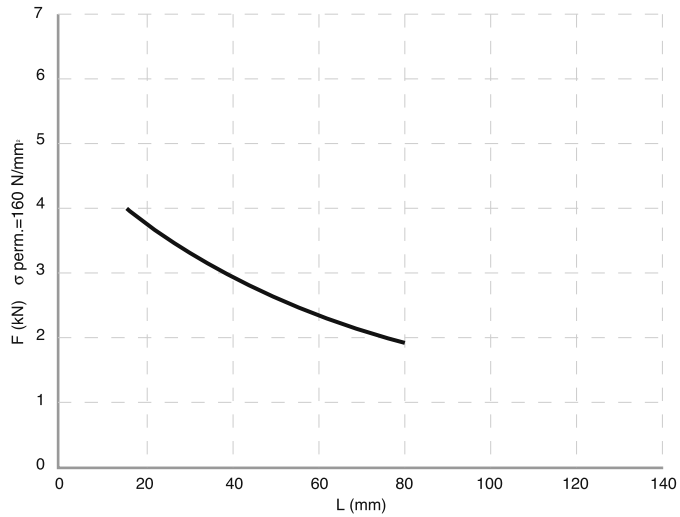
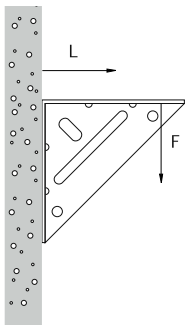
**RU** Угловые скобы Unistrut, угловые скобы

**TR** Unistrut dirsek mesnetleri, dirsek mesnetleri



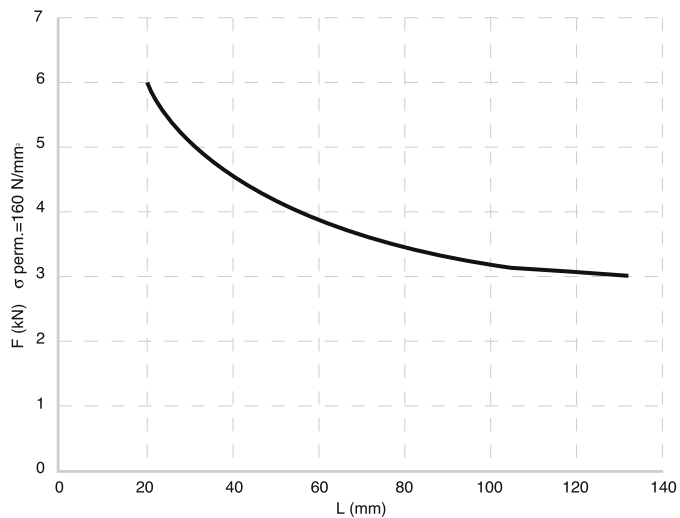
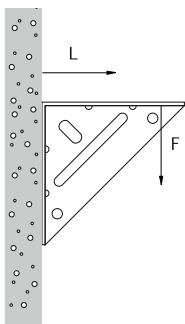
**Model KON 100**

Art. No.	P	Kg
KON100	3	0.217



**Model KON 150**

Art. No.	P	Kg
KON150	3	0.820

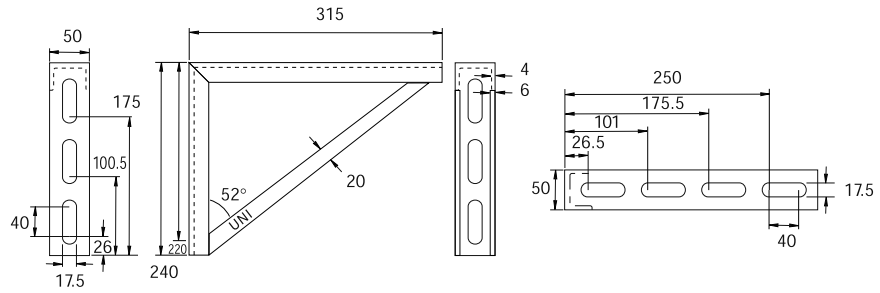


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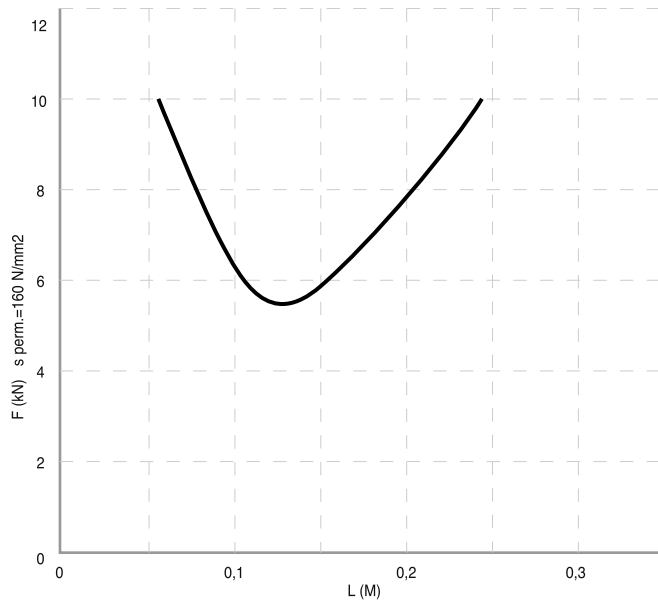
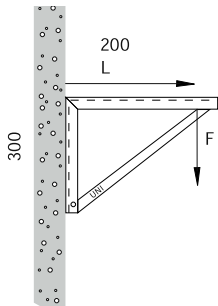
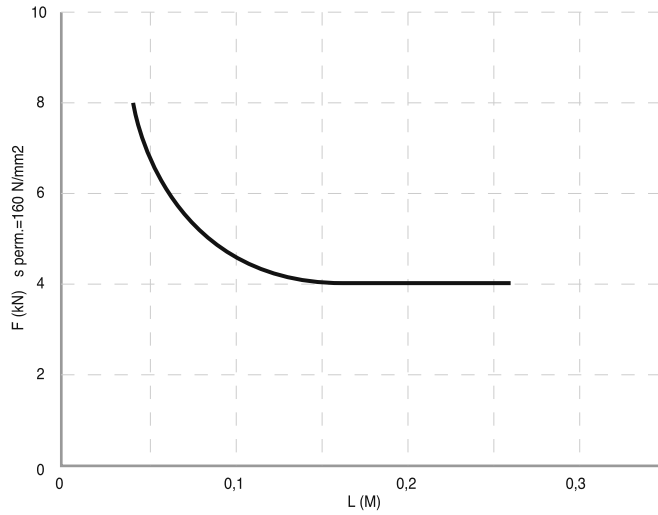
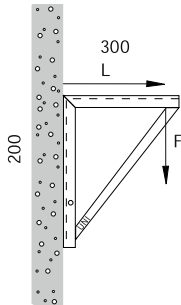
# Unistrut Angle Brackets, Angle Brackets

**RU** Угловые скобы Unistrut, угловые скобы

**TR** Unistrut dirsek mesnetleri, dirsek mesnetleri



Model KON 300/200		
Art. No.	P	Kg
KON 300 200	3	2.250



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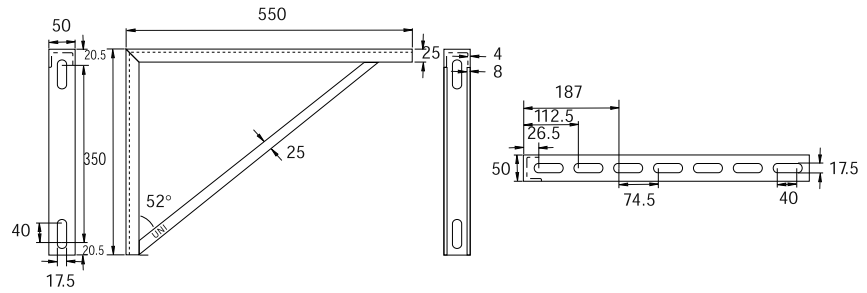
# Unistrut Angle Brackets, Angle Brackets heavy duty

**RU** Угловые скобы Unistrut, угловые скобы для тяжелого режима

**TR** Unistrut dirsek mesnetleri, ağır hizmete uygun dirsek mesnetleri

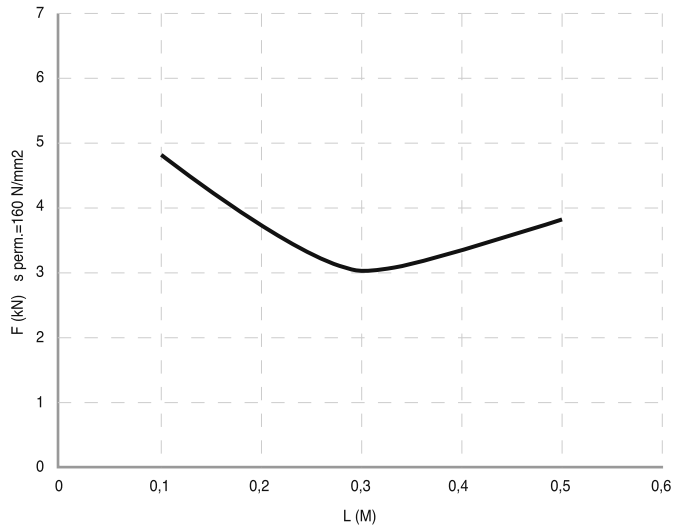
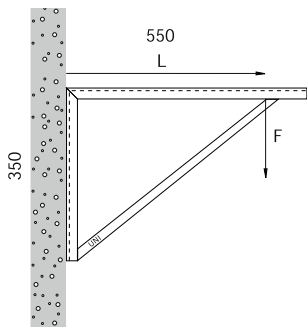


**KON 550/350**

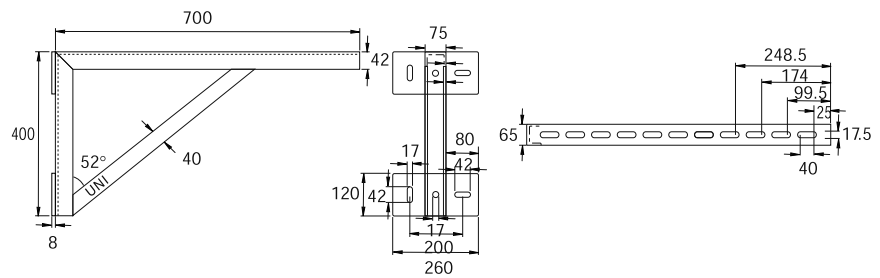


**Model KON 550/350**

Art. No.	P	Kg
KON 550 530	3	3.9

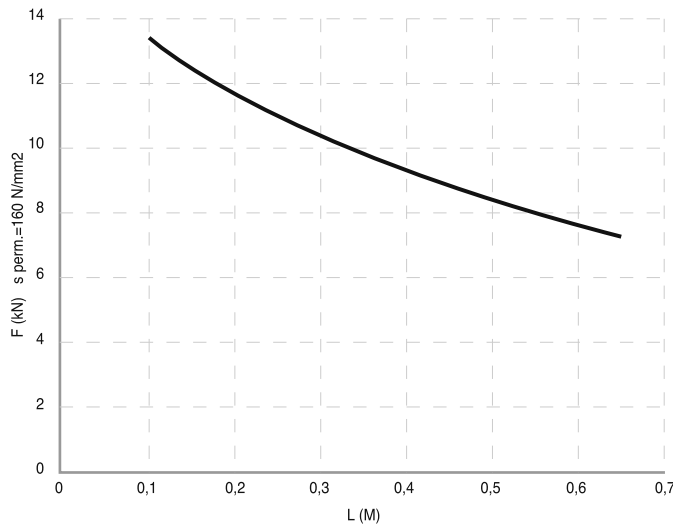
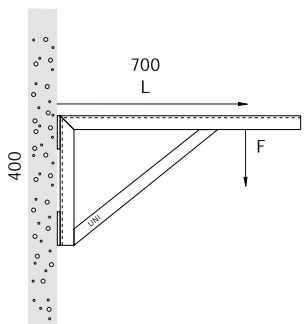


**KON 700/400**



**Model KON 700/400**

Art. No.	P	Kg
KON 700 400	3	11.5














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**RU** Гайки/болты/анкера

**TR** Somunlar/cıvatalar/dübeller

	<p><b>Bolts</b> Болты Cıvatalar</p>	P. 7.044
	<p><b>Nuts</b> Гайки Somunlar</p>	P. 7.045
	<p><b>Wood Fixings Model DIN 571</b> Детали крепления к дереву, модель DIN 571 Ahşap için uygun vidalar, model DİN 571</p>	P. 7.045
	<p><b>Washers</b> Шайбы Rondelalar</p>	P. 7.046
	<p><b>Jack Nut Cavity Fixing Model Jack Nut</b> Крепление для каналов подъемных гаек, модель Jack Nut İçi boş duvar ve tavanlar için genişleyen somun tipli tespit pimi</p>	P. 7.047
	<p><b>Jack Nut Cavity Fixing Model JN Tool</b> Крепление для каналов подъемных гаек, модель JN Tool Genişleyen somun tipli tespit pimi sabitleştirme aleti, model JN Tool</p>	P. 7.047
	<p><b>Non Drill Anchors Model EA</b> Анкера, модель EA (без сверления) Çakılan tip dübeller, model EA</p>	P. 7.048
	<p><b>Tool Model EAW</b> Инструмент, модель EAW EAW modeli alet</p>	P. 7.048
	<p><b>Non Drill Anchors type Zykon Response Model ZEA</b> Анкера (без сверления), тип Zykon Response, модель ZEA Çakılan tip dübeller, Zykon Response Model ZEA</p>	P. 7.049
	<p><b>Tool Model ZED</b> Инструмент модель ZED ZED modeli alet</p>	P. 7.049
	<p><b>Steel Anchors type Zykon Model ZA</b> Стальные анкера, тип Zykon, модель ZA Çelik dübeller, Zykon model ZEA</p>	P. 7.050

**RU** Гайки/болты/анкера

**TR** /somunlar/ civatalar/ dübeller



**Tool Model ZE**

Инструмент модель ZE  
ZE modeli alet

P. 7.050



**Hole Drill Model ZUB**

Сверло, модель ZUB  
Delik açma aleti, model ZUB

P. 7.050



**Steel Anchor FAZ**

Стальной анкер FAZ  
Çeli dübeli, FAZ

P. 7.051



**Expansion Anchor with Bolt and Washer Model GMS**

Дюбель с винтом и шайбой, модель GMS  
Civata ve somunlu genişleyici tespit dübelleri

P. 7.052



**Anchors for Hollow Concrete Floor Panels Model K**

Анкера для пустотелых бетонных панелей перекрытия, модель K  
İçi boş beton zeminler için dübel, model K

P. 7.052



**Breeze Concrete Dowel M8 Model LBD**

Дюбель M8 для шлакобетона, модель LBD  
Breeze hafif beton sabitleme pimi M8, model LBD

P. 7.053



**Threaded Rod, Studs & Tubes Model DIN 975**

Резьбовая шпилька, шпильки и трубки, модель DIN 975  
Dişli mil, saplamalar ve borular, model DIN 975

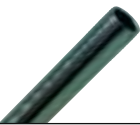
P. 7.053



**Threaded Rod, Cutter**

Резьбовая шпилька, резак  
Dişli mil, kesici

P. 7.053



**Threaded Rod, Studs & Tubes**

Резьбовая шпилька, шпильки и трубки  
Dişli mil, saplamalar ve borular

P. 7.054



**Nut for tubes Model RG**

Гайка для трубок, модель RG  
Borular için somun, model RG

P. 7.054



**Thread Adapter Model Solid Adapter**

Резьбовой переходник, модель Solid Adapter  
Dişli adaptör, sağlam adaptör modeli

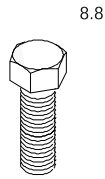
P. 7.055

**RU** Гайки/болты/анкера, болты

**TR** Somunlar/ civatalar/ dübeller, civatalar



DIN 933



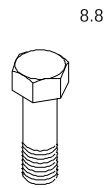
8.8

**Model DIN 933** • **3 4 5**

M6	M8	M10	M12
933  6x12	933  8x20	933  10x20	933  12x22
933  6x16	933  8x25	933  10x25	933  12x25
933  6x20	933  8x30	933  10x30	933  12x30
933  6x25	933  8x35	933  10x40	933  12x40
933  6x30	933  8x40	933  10x50	933  12x50
933  6x35	933  8x45	933  10x60	933  12x60
933  6x40	933  8x50	933  10x80	933  12x80
933  6x60	933  8x60	933  10x100	933  12x100



DIN 931



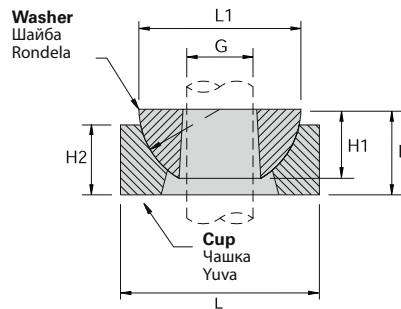
8.8

**Model DIN 931** • **4 5**

M8
931  8x70
931  8x100
931  8x110



HW/HC



**Model HW/HC** • **3 5**

Art. No.	Art. No.	G mm	L1 mm	H1 mm	R mm	H mm	L mm	H2 mm
LHW10	LHC10	10	25	12	13	14	32	12
LHW12	LHC12	12	29	12	14	16	35	12
LHW16	LHC16	16	34	16	17	19	41	16
LHW20	LHC20	20	44	19	22	24	54	19
LHW24	LHC24	24	57	25	29	32	67	25
LHW30	LHC30	30	67	29	33	35	76	29

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## Nuts/Bolts/Anchors, Nuts






**RU** Гайки/болты/анкера, гайки

**TR** Somunlar/cıvatalar/dübeller, somunlar



DIN 934






Model DIN 934 • 3 4 5

M6	M8	M10	M12	M16
934  M6	934  M8	934  M10	934  M12	934  M16



DIN 6923

Model DIN 6923 • 5

M6	M8	M10	M12	M16
6923  M6	6923  M8	6923  M10	6923  M12	6923  M16

## Nuts/Bolts, Wood Fixings



**RU** Гайки/болты, крепления для деревянных элементов

**TR** Somunlar/ cıvatalar, ahşap için uygun vidalar



DIN 571

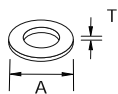
Model DIN 571

Art. No.		Ø mm	L mm	
57158x40	5	8	40	100
57158x50	5	8	50	100
57158x60	5	8	60	100
57158x80	5	8	80	100
571510x60	5	10	60	100
571510x80	5	10	80	100
571510x100	5	10	100	100
571510x120	5	10	120	100
571510x140	5	10	140	100

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**RU** Гайки/болты, шайбы

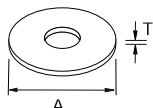
**TR** Somunlar/cıvatalar, rondelalar



**DIN 125-1A**

**Model DIN 125-1A** • **3 4 5**

M6	M8	M10	M12	M16
125 [P] M6 (A=12,5 mm) (T=1,6 mm)	125 [P] M8 (A=17 mm) (T=2,0 mm)	125 [P] M10 (A=21 mm) (T=2,5 mm)	125 [P] M12 (A=24 mm) (T=3,0 mm)	125 [P] M16 (A=30 mm) (T=3,0 mm)



**DIN 9021**

**Model DIN 9021** • **3 4 5**

M6	M8	M10	M12	M16
9021 [P] M6 (A=18 mm) (T=1,6 mm)	9021 [P] M8 (A=24 mm) (T=2,0 mm)	9021 [P] M10 (A=30 mm) (T=2,5 mm)	9021 [P] M12 (A=36 mm) (T=3,0 mm)	9021 [P] M16 (A=50 mm) (T=3,0 mm)

**RU** Гайки/болты/анкера, крепление для каналов подъемных гаек

**TR** Somunlar/cıvatalar/dübelller, içi boş duvar ve tavanlar için genişleyen somun tipli tespit pimi



**JACK NUT**

**Model JACK NUT**

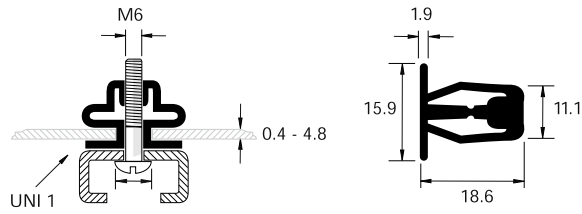
Art. No.



8SJN

5

500



**JN TOOL**

**Model JN Tool**

Art. No.



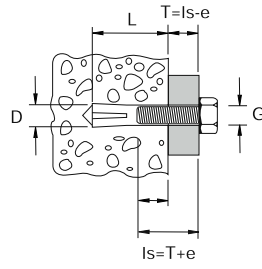
62869

1

# Nuts/Bolts/Anchors, Non Drill Anchors

**RU** Гайки/болты/анкера, анкера (без сверления)

**TR** Somunlar/cıvatalar/dübeller, çakılan tip dübeller



Model EA											
Art. No.	P	Class Класс Sinif	D mm	L mm	$\phi$ mm	G mm	min. mm	max. mm		VDS	FM
EAM6	5	-	8	25	8	M6	6	11	100		
EAM8	5	1.8 kN*	10	30	10	M8	8	13	100	√	
EAM8x40	5	3 kN*	10	40	10	M8	8	13	50	√	√
EAM10	5	3.6 kN*	12	40	12	M10	10	17	50	√	√
EAM12	5	5.7 kN*	15	50	15	M12	12	18	25	√	√
EAM16	5	7.4 kN*	20	65	20	M16	16	21	20	√	√
EAM20	5	11.3 kN*	25	80	25	M20	20	30	10	√	√

Model EA											
Art. No.	P	Class Класс Sinif	D mm	L mm	$\phi$ mm	G mm	min. mm	max. mm		VDS	FM
EAM6SS	4	-	8	25	8	M6	6	11	100		
EAM8SS	4	-	10	30	10	M8	8	13	100		
EAM10SS	4	3.0 kN*	12	40	12	M10	10	17	50	√	√
EAM12SS	4	3.6 kN*	15	50	15	M12	12	18	25	√	√
EAM16SS	4	5.7 kN*	20	65	20	M16	16	21	20	√	√

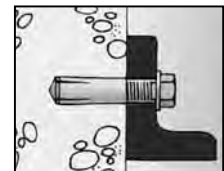
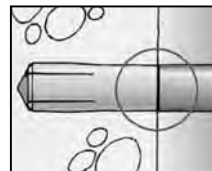
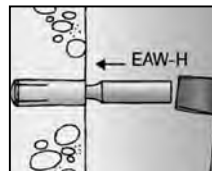
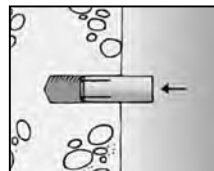
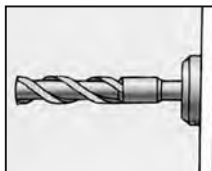
\* Loading data is applicable for concrete pressure zone only (B=25 N/mm<sup>2</sup>)

\* Данные нагрузки применимы только для конкретной зоны давления (B=25 N/mm<sup>2</sup>)

\* Yükleme bilgileri yalnızca beton basınç bölgeleri için geçerlidir (B=25 N/mm<sup>2</sup>)



Model EAW	
Art. No.	Art. No.
EAWH6	EAM6
EAWH8	EAM8
EAWH8x40	EAM8x40
EAWH10	EAM10
EAWH12	EAM12
EAWH16	EAM16
EAWH20	EAM20



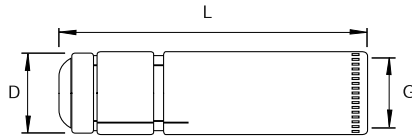
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# Nuts/Bolts/Anchors, Non Drill Anchor type Zykon

**RU** Гайки/болты/анкера, анкер (без сверления), тип Zykon

**TR** Somunlar/cıvatalar/dübeller, çakılan Zykon tipi dübeller



ZEA

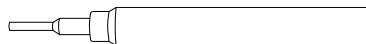
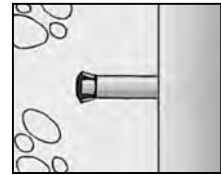
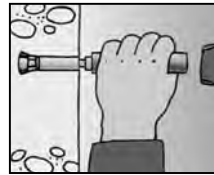
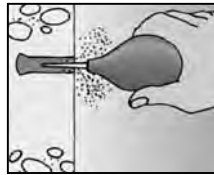
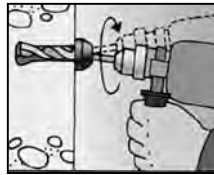
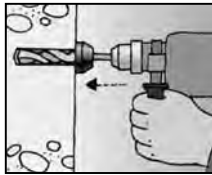
## Model ZEA

Art. No.	P	Class Класс Sınıf	D mm	L mm	G mm		VDS	FM
ZEA1040M8	5	-1.5 kN*	10	40	M8	100	✓	
ZEA1240M10	5	1.5 kN*	12	40	M10	100	✓	✓
ZEA1440M12	5	1.5 kN*	14	40	M12	50		✓

## Model ZEA

Art. No.	P	Class Класс Sınıf	D mm	L mm	G mm		VDS	FM
ZEA1040M8S	4	-1.5 kN*	10	40	M8	100	✓	
ZEA124M10S	4	1.5 kN*	12	40	M10	100	✓	✓
ZEA144M12S	4	1.5 kN*	14	40	M12	50		✓

\* [B=25 N/mm<sup>2</sup>]



ZED

## Model ZED

Art. No.		Art. No.	
ZED10X40M8		ZEA1040M8	1
ZED1240M10		ZEA1240M10	1
ZED1440M12		ZEA1440M12	1

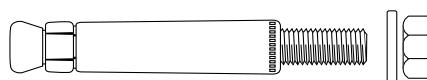
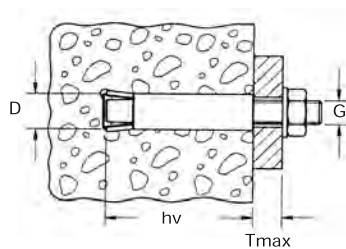
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**RU** Гайки/болты/анкера, стальной анкер, тип Zykon

**TR** Somunlar/cıvatalar/dübeller, Zykon tipi çelik dübeller



**ZA**



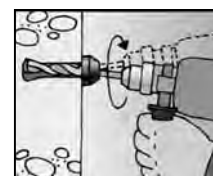
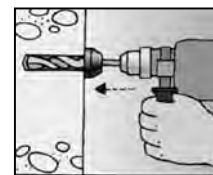
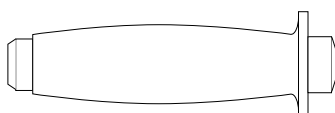
### Model ZEA

Art. No.	P	Class Класс Sınıf	D mm	G mm	Tmax mm	hv mm		VDS	FM
ZA1240M815	5	1.5 kN*	12	M8	15	40	25	✓	
ZA144M1025	5	1.5 kN*	14	M10	25	40	25	✓	✓
ZA146M1020	5	3.5 kN*	14	M10	20	60	10	✓	✓
ZA180M1225	5	6.0 kN*	18	M12	25	80	10	✓	✓
ZA221M1660	5	9.0 kN*	22	M16	60	100	10	✓	✓
ZA2212M166	5	13.0 kN*	22	M16	60	125	10	✓	✓

\* [B=25 N/mm<sup>2</sup>]



**ZE**

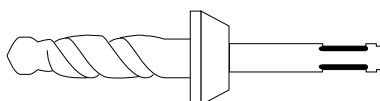


### Model ZE

Art. No.	Art. No.	
ZE12	ZA12	1
ZE14	ZA14	1
ZE18	ZA18	1
ZE22	ZA22	1

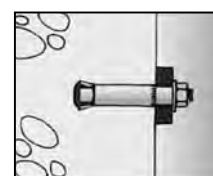


**ZUB**



### Model ZUB

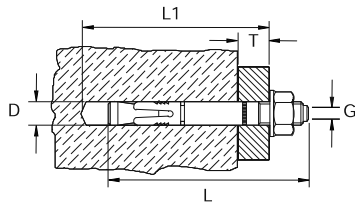
Art. No.	Art. No.	
ZUB10x40	ZEA1040M8	1
ZUB12x40	ZEA1240M10/ZA1240M815	1
ZUB14x40	ZEA1440M12/ZA144M1025	1
ZUB14x60	ZA146M1020	1
ZUB18x80	ZA180M1225	1
ZUB22x100	ZA221M1660	1
ZUB22x125	ZA2212M166	1



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# Nuts/Bolts/Anchors, Steel Anchor FAZ

- RU** Гайки/болты/анкера, стальной анкер FAZ
- TR** Somunlar/cıvatalar/dübeller, FAZ çelik dübeli

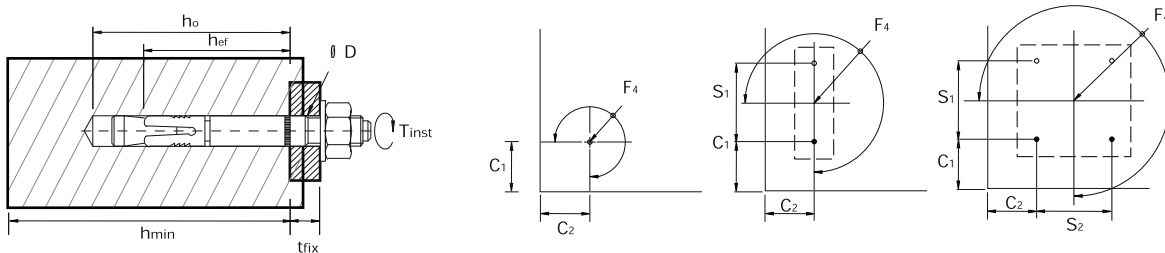


Zugelassen für gerissenen Beton

Model FAZ										
Art. No.	P	Тип Тип	D mm	L mm	L1 mm	T mm	G mm	Kg /100		VDS
176 08 01	5	FAZ 8/10	8	75	70	10	M8	3.1	50	✓
176 08 03	5	FAZ 8/30	8	95	90	30	M8	3.7	50	✓
176 08 05	5	FAZ 8/50	8	115	110	50	M8	4.6	50	✓
176 10 01	5	FAZ 10/10	10	90	80	10	M10	6.2	50	✓
176 10 03	5	FAZ 10/30	10	110	100	30	M10	7.2	25	✓
176 10 05	5	FAZ 10/50	10	130	120	50	M10	8.4	25	✓
176 12 01	5	FAZ 12/10	12	103	90	10	M12	9.6	20	✓
176 12 03	5	FAZ 12/30	12	123	110	30	M12	11.0	20	✓
176 12 05	5	FAZ 12/50	12	143	130	50	M12	12.4	20	✓
176 12 10	5	FAZ 12/100	12	193	180	100	M12	16.4	20	✓
176 12 16	5	FAZ 12/160	12	253	240	160	M12	21.1	20	✓
176 16 02	5	FAZ 16/20	16	142	120	20	M16	22.3	10	✓
176 20 03	5	FAZ 20/30	20	168	145	30	M20	40.7	6	✓
176 24 03	5	FAZ 24/30	24	199	170	30	M24	68.0	4	✓

# Nuts/Bolts/Anchors, Technical specifications FAZ

- RU** Гайки/болты/анкера, технические спецификации FAZ
- TR** Somunlar/cıvatalar/dübeller, teknik özellikler, FAZ



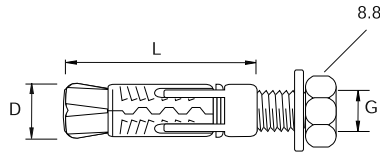
		Model FAZ			
		FAZ 8	FAZ 10	FAZ 12	FAZ 16
		5	5 4	5 4	5
hef	(mm)	45	55	65	85
Fmax B=25 N/mm <sup>2</sup>	(kN)	1,5	2,5	3,5	6
Fmax B=35 N/mm <sup>2</sup>	(kN)	1,77	2,95	4,13	7,08
Fmax B=45 N/mm <sup>2</sup>	(kN)	2,01	3,35	4,69	8,04
Fmax B=55 N/mm <sup>2</sup>	(kN)	2,22	3,7	5,18	8,88
S1, 2	(cm)	16	20	24	32
C1, 2	(cm)	8	15 10	12	16
Smin	(cm)	5	5	6	8
Cmin	(cm)	8	15 10	12	16
hmin	(cm)	10	11	13	105
Mmax	(Nm)	14,2	28,4 17,6	40,9 30,9	104
∅ D	(mm)	≤ 9	≤ 12	≤ 14	≤ 18
Tinst	(Nm)	20	45	60	110

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## Nuts/Bolts/Anchors, Expansion Anchor with Bolt and Washer

**RU** Гайки/болты/анкера, дюбель с винтом и шайбой

**TR** Somunlar/cıvatalar/dübeller, cıvata ve somunlu genişleyici tespit dübelleri



GMS

Model GMS

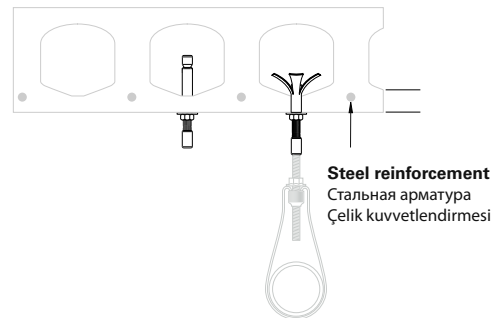
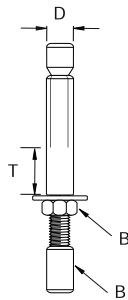
Art. No.	P	Class Класс Sınıf	Tmax mm	D mm	L mm	G mm	t mm	
GM6S	1	4.0 kN*	10	12	50	M6	60	50
GM8S	1	4.65 kN*	25	15	60	M8	70	50
GM10S	1	5.9 kN*	45	18	80	M10	80	25
GM12S	1	8.4 kN*	75	22	100	M12	100	20
GM16S	1	13.4 kN*	120	29	120	M16	130	10

\* [B=25 N/mm<sup>2</sup>]

## Nuts/Bolts/Anchors, Anchors for Hollow Concrete Floor Panels

**RU** Гайки/болты/анкера, анкера для пустотелых бетонных панелей перекрытий

**TR** Somunlar/cıvatalar/dübeller, içi boş beton zeminler için dübeller



K

Model K

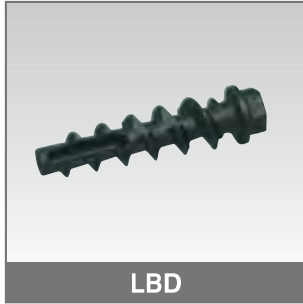
Art. No.	P	D mm	T mm	B		VDS
K55M8C	5	12	25-40	M8	50	√
K55M10C	5	14	25-40	M10	50	√
K65M8C	5	12	40-50	M8	50	√
K65M10C	5	14	40-50	M10	50	√

TYCERTFP 03/07 Tyco reserves the right to change the contents without notice

# Nuts/Bolts/Anchors, Breeze Concrete Dowel M8

**RU** Гайки/болты/анкера, дюбель M8 для шлакобетона

**TR** Somunlar/cıvatalar/dübeller, Breeze haff beton sabitleme pimi M8



LBD

### Model LBD

Art. No.

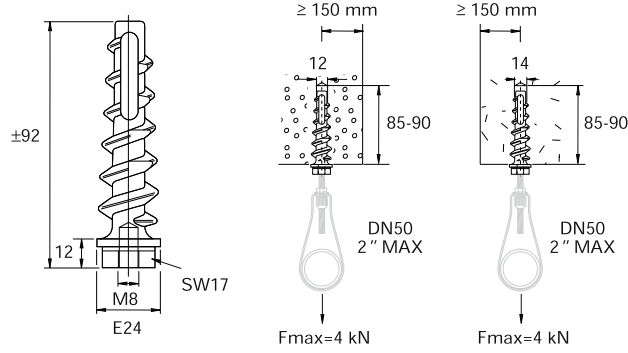


LBD

5

0.11

50



# Nuts/Bolts/Anchors, Threaded Rod

**RU** Гайки/болты/анкера, резьбовая шпилька

**TR** Somunlar/cıvatalar/dübeller, dişli mil



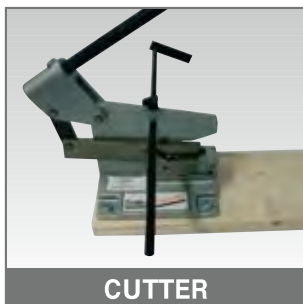
DIN 975

4.6

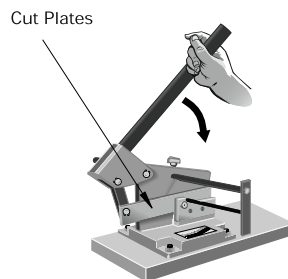


Model DIN 975 • **5** **4** [L=1, 2 & 3 m], **3** [L=1 m]

M6	M8	M10	M12	M16
975  M6x1M	975  M8x1M	975  M10x1M	975  M12x1M	975  M16x1M
975  M6x2M	975  M8x2M	975  M10x2M	975  M12x2M	975  M16x2M
975  M6x3M	975  M8x3M	975  M10x3M	975  M12x3M	



CUTTER



### Model Cutter

Art. No.



6.2

1

Set

- For threaded rod DIN 975, 4.6, M8 & M10

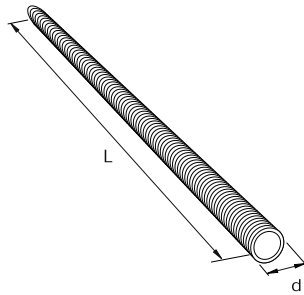
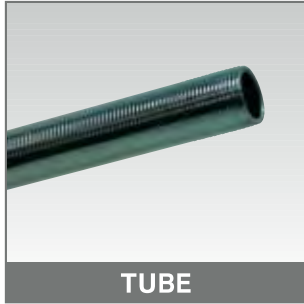
- Для резьбовой шпильки согласно DIN 975, 4.6, M8 и M10

- Dişli mil DIN 975, 4.6, M8 & M10

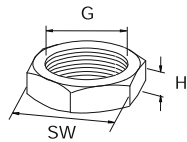
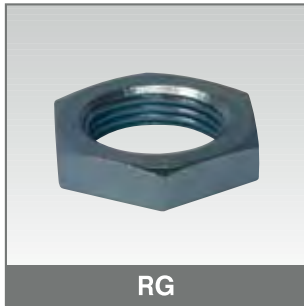
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**RU** Гайки/болты/анкера, шпильки и трубки

**TR** Somunlar/cıvatalar/dübeller, saplamalar ve borular



Model TUBE				
Art. No.	P	D	L m	
TUBE512	5	1/2 "	2	1
TUBE534	5	3/4 "	2	1
TUBE51	5	1 "	2	1
TUBE412	4	1/2 "	2	1
TUBE434	4	3/4 "	2	1
TUBE41	4	1 "	2	1



Model RG						
Art. No.	P	G	 SW	H	/100	
144 22 01	5	1/2 "	32	8	3.4	50
144 28 01	5	3/4 "	36	9	4.2	50
144 35 01	5	1 "	46	10	7.8	50

**RU** Гайки/болты/анкера, резьбовой переходник

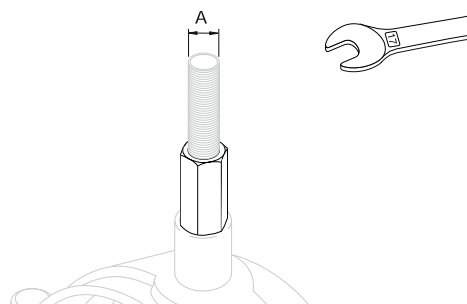
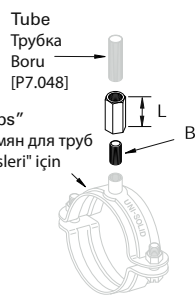
**TR** Somunlar/cıvatalar/dübeller, dişli adaptör



**SOLID ADAPTER**

Tube  
Трубка  
Boru  
[P7.048]

Only for "Solid Pipe Clips"  
Только для цельных стremянь для труб  
Yalnızca "Sağlam boru klipsleri" için  
[P7.008-7.009]

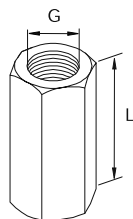


**Model SOLID ADAPTER**

Art. No.	Tube A Трубка А А борусу	B	SW mm	L mm	Solid Type	
SP12M10	1/2"	M10	24	39	3-9	50
SP12M12	1/2"	M12	24	42	10-17	50
SP34M12	3/4"	M12	30	47	10-17	50
SP1M12	1"	M12	42	47	10-17	50
SP12M16	1/2"	M16	24	51	18-34	50
SP34M16	3/4"	M16	30	56	18-34	50
SP1M16	1"	M16	42	55	18-34	50



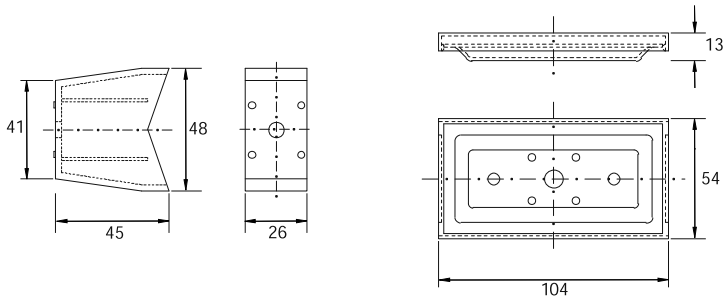
**ROD CONNECTOR 6334**



**Model Rod Connector 6334**

Art. No.	G	SW mm	L mm	
6334  M6	M6	10	18	50
6334  M8	M8	13	24	50
6334  M10	M10	17	30	50
6334  M12	M12	19	36	50
6334  M16	M16	24	48	50

- RU** Гайки/болты/анкера, система паспортных табличек с крышкой и фиксирующим хомутом из нержавеющей стали
- TR** Somunlar/cıvatalar/dübelller, isim plakası sistemi, kapak ve paslanmaz çelik askılıklı

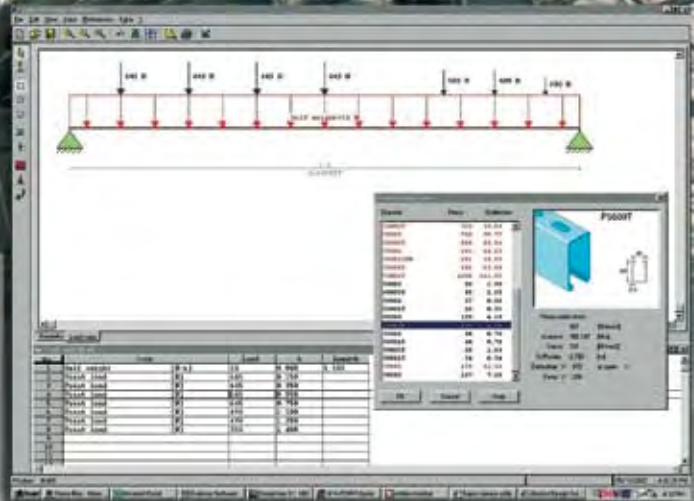
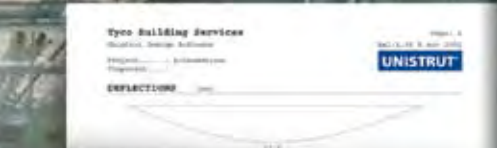


**Model Nameplate**

Art. No.	Description <small>Описание Tanımlama</small>	Kg /100	
213 00 12	<b>Set of 25 pieces complete with 10m fixing strap</b> /Набор из 25 шт. в комплекте с фиксирующим хомутом - 10м /Takım 25 parçadan oluşup, 10 metrelik bir sabitleştirme askılığına sahiptir	12.4	25+1x10 m
135 17 02	<b>Fixing strap</b> /Фиксирующий хомут /Sabitleştirme askılığı	60.0	10x10m



# DESIGN SOFTWARE



**UNISTRUT analysis Software: A user friendly, two dimensional calculation program to analyze UNISTRUT channel sections utilized as beams and cantilevers. The program provides instantaneous results of geometries containing multiple spans with single or multiple static load conditions**

Анализирующая программа UNISTRUT: удобная для пользователя программа двухмерных расчетов для анализа участков с профилями UNISTRUT, используемых в качестве балок и консолей. Программа обеспечивает мгновенными результатами с указанием нескольких интервалов при условиях присутствия одной или нескольких статических нагрузок

UNISTRUT analiz yazılımı Kriş ve konsol gibi UNISTRUT kanalı bölümlerinin analizi için kullanıcı dostu, iki boyutlu bir hesap yazılımıdır. Yazılım geometrileri tek veya çift sabit yüklem noktaları gibi yüklem parametrelerini dikkate alarak anında hesaplamaktadır.