



PE 100 Gaz ve Su Fiting Sistemleri

PE 100 Fittings for Gas & Water Transmission Systems



ÜRÜN KATALOĞU
product catalogue

2017-2018

www.ntgplastik.com

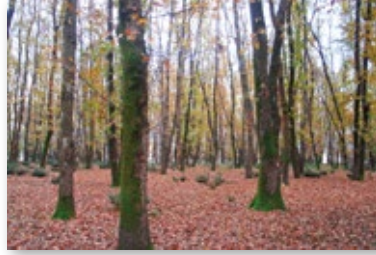
A stylized world map with a light gray background. A central point in Europe is the origin for numerous blue lines that curve across the map to various locations in North America, South America, Africa, Asia, and Australia, symbolizing global reach or connectivity.

Dünya pazarında adı kalite ile anılan bir marka haline gelen NTG Plastik, üretiminin %70'ini başta Avrupa olmak üzere tüm dünyada 50'nin üzerinde ülkeye ihraç etmektedir. Farklılıkları ile öncü, çevre ile dost, teknolojik atılımlarıyla etkili ve kalite anlayışı ile müşteri odaklı bir dünya markası olmak, NTG Plastik'in temel hedefleri arasında her zaman yer alacaktır.

NTG Plastik, which has become a brand with name of quality in the world market, it exports 70% of its production to more than 50 countries all over the world, mainly in Europe. Being pioneer with its unique solutions, environment-friendly, with efficient technological achievements and being well-known brand in the global market that show understanding quality will be always the main objective of NTG Plastik.



NTG sadece Fiting üretir
NTG produces only Fittings









YANGIN HATLARINIZ
“FM APPROVED” Sertifikalı NTG Ürünleriyle
DAHA GÜVENLİ

THE FIRE PIPELINES ARE MORE SECURE
WITH “FM APPROVED” NTG PRODUCTS



SPİGOT

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UNIT WEIGHT OF PE 100 PIPES

KALİTE STANDARTLARI

QUALITY STANDARTS

NTG Plastik tasarım, üretim ve satış faaliyetleri, müşteri memnuniyetini en üst düzeye çıkarmak için EN ISO 9001: 2015'e göre sıkı denetim yönetmelikleri çerçevesinde düzenli kontrollere tabidir.

Genel, Geometrik, Mekanik, Fiziksel Özellikler ve Performans Gereksinimleri olarak bağlantı parçaları EN 1555-3, EN 12201-3, AS/NZS 4129, GW 335-B2, sırasıyla ISO 4427, ISO 4437 ve DIN 16963 şartlarına uygundur.

NTG markalı ek parçalar gaz ve su temini için belgelendirilmiştir. DVGW tarafından tescillenmişlerdir ve düzenli kalite kontrolüne ve dış denetlemelere tabi tutulmaktadır.

NTG Design, Production and Sales activities are subject to constant quality checks under strict inspection regulations which is certified to EN ISO 9001:2015 to maximize the Customer Satisfaction.

As General, Geometrical, Mechanical, Physical Characteristics and Performance Requirements, fittings comply with the requirements under EN 1555-3, EN 12201-3, AS/NZS 4129, GW 335-B2, respectively ISO 4427, ISO 4437 and DIN 16963.

NTG branded fittings are licensed for use in gas and water supply. They have been registered by DVGW and are subjected to permanent quality controls and regular outside monitoring.

HDPE 100 (SİYAH) HAMMADDE TEKNİK ÖZELLİKLERİ

TECHNICAL SPECIFICATIONS FOR THE RAW MATERIAL (HDPE 100-BLACK)

	AÇIKLAMA / DEFINITION	BİRİM / UNIT	DEĞER / VALUE	TEST METODU / TEST METHOD
FİZİKSEL ÖZELLİKLER / PHYSICAL SPECIFICATIONS				
Yoğunluk / Density		g/cm ³	0,959	ISO 1183
Erime Akışı / Melt Flow Rate	MFR 190°C/5 kg	g/10min	0,20 - 0,70	ISO 1133
MEKANİK ÖZELLİKLER / MECHANICAL SPECIFICATIONS				
Elastik Modülü / Tensile Modulus	23°C CV=1mm / min	MPa	900	ISO 527-2
Akmada Gerilme Dayanımı / Tensile Strength at Yield	23°C CV=50mm / min	MPa	25	ISO 527-2
Kopmada Uzama Gerilmesi / Elongation Strength at Break	23°C CV=50mm / min	%	>600	ISO 527-2
ISISAL ÖZELLİKLER / THERMAL PROPERTIES				
Vicat Yumuşama Sıcaklığı / Vicat Softening Temperature		°C	128	ISO 306
Termal Kararlılık / Thermal Stability	OIT , 210°C	dakika/min	>20	ISO 10837
PİGMENT / PIGMENT				
Karbon Siyahı Muhtevası / Carbon Black Content		%	2 - 2,5	ISO 6964
Karbon Siyahı Dağılımı / Carbon Black Distribution		Grade	<3	ISO 18553

NTG ÜRÜN KOD SİSTEMİ

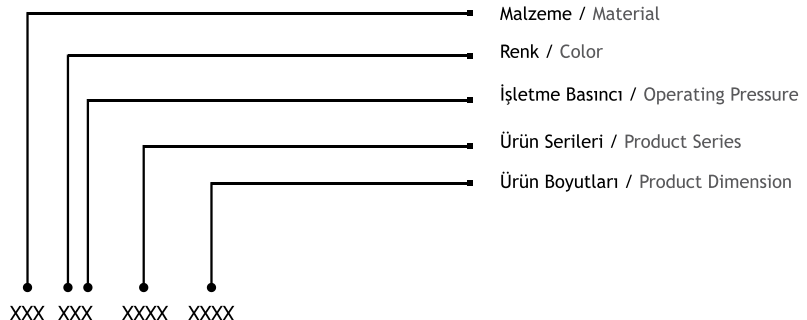
NTG PRODUCT CODE

Örnek

PE100 Siyah SDR11 90° Dirsek 110 mm
Kodu : 001 117 0021 0110

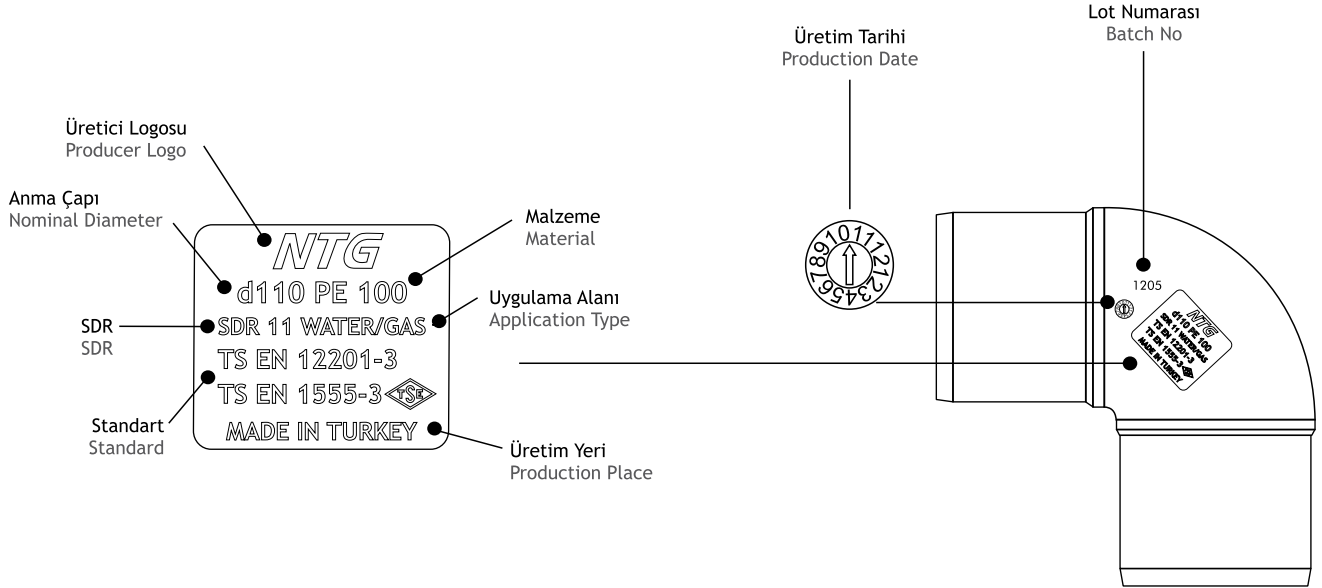
Example

PE100 Black SDR11 90° Elbow 110 mm
Code : 001 117 0021 0110



NTG ÜRÜN MARKALAMA

NTG PRODUCT MARKING

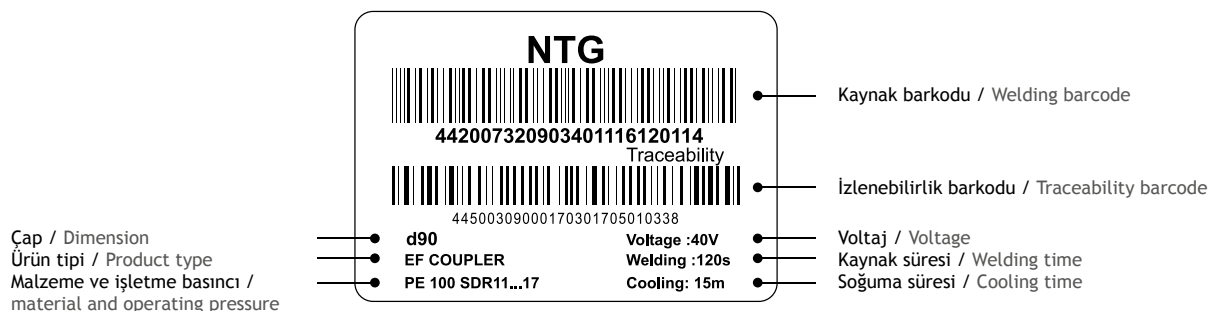


TS EN 12201 - PE 100 BORU VE FİTİNG BASINÇ SINIFLANDIRMASI TS EN 12201 - PRESSURE RATINGS OF PE 100 PIPE AND FITTINGS

BORU SINIFI / PIPE CLASSIFICATION	İŞLETME BASINCI / OPERATING PRESSURE
SDR 6	PN 32
SDR 7.4	PN 25
SDR 9	PN 20
SDR 11	PN 16
SDR 13.6	PN 12,5
SDR 17	PN 10
SDR 21	PN 8
SDR 26	PN 6
SDR 33	PN 5
SDR 41	PN 4

ELEKTROFÜZYON BARKOD SİSTEMİ

ELECTROFUSION BARCODE SYSTEM



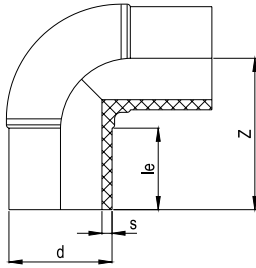
90° DİRSEK PE 100 SDR11

ELBOW 90° PE 100 SDR11

Enjeksiyon / Injected
 Uzun tip / Long Spigot



10 bar Gaz - 16 bar Su / 10 bar Gas - 16 bar Water



d	Ürün Kodu Article No	le	Z	s	Ağırlık Weight	Kutu Box
mm		mm	mm	mm	kg	(adet/pcs)
20	001 117 0021 0020	41	63	3,0	0,020	60
25	001 117 0021 0025	41	63	3,0	0,030	60
32	001 117 0021 0032	44	72	3,0	0,042	50
40	001 117 0021 0040	49	80	3,7	0,072	42
50	001 117 0021 0050	55	92	4,6	0,132	25
63	001 117 0021 0063	63	111	5,8	0,214	30
75	001 117 0021 0075	70	126	6,8	0,418	30
90	001 117 0021 0090	79	145	8,2	0,654	20
110	001 117 0021 0110	82	161	10,0	1,084	12
125	001 117 0021 0125	87	173	11,4	1,448	12
140	001 117 0021 0140	92	195	12,7	2,152	8
160	001 117 0021 0160	98	205	14,6	2,934	4
180	001 117 0021 0180	105	230	16,4	4,000	4
200	001 117 0021 0200	112	245	18,2	5,892	4
225	001 117 0021 0225	120	264	20,5	7,220	2
250	001 117 0021 0250	129	292	22,7	10,200	1
280	001 117 0021 0280	139	340	25,4	15,442	1
315	001 117 0021 0315	150	370	28,6	20,830	1
355	001 117 0021 0355	164	401	32,3	30,420	1
400	001 117 0021 0400	179	451	36,4	43,330	1

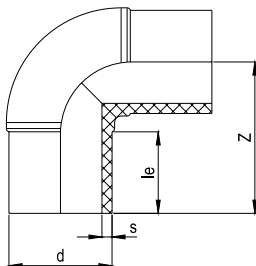
90° DİRSEK PE 100 SDR17

ELBOW 90° PE 100 SDR17

Enjeksiyon / Injected
 Uzun tip / Long Spigot



5 bar Gaz - 10 bar Su / 5 bar Gas - 10 bar Water



d	Ürün Kodu Article No	le	Z	s	Ağırlık Weight	Kutu Box
mm		mm	mm	mm	kg	(adet/pcs)
63	001 115 0021 0063	63	111	3,8	0,215	30
75	001 115 0021 0075	70	126	4,5	0,312	30
90	001 115 0021 0090	79	145	5,4	0,472	20
110	001 115 0021 0110	82	161	6,6	0,768	12
125	001 115 0021 0125	87	173	7,4	1,040	12
140	001 115 0021 0140	92	195	8,3	1,488	8
160	001 115 0021 0160	98	205	9,5	2,218	4
180	001 115 0021 0180	105	230	10,7	2,864	4
200	001 115 0021 0200	112	245	11,9	4,362	4
225	001 115 0021 0225	120	264	13,4	5,168	2
250	001 115 0021 0250	129	292	14,8	7,476	1
280	001 115 0021 0280	139	340	16,6	11,430	1
315	001 115 0021 0315	150	370	18,7	15,684	1
355	001 115 0021 0355	164	401	21,1	21,100	1
400	001 115 0021 0400	179	451	23,7	30,450	1

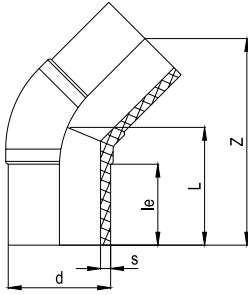
45° DİRSEK PE 100 SDR11

ELBOW 45° PE 100 SDR11

Enjeksiyon / Injected
Uzun tip / Long Spigot



10 bar Gaz - 16 bar Su / 10 bar Gas - 16 bar Water



d	Ürün Kodu Article No	le	L	Z	s	Ağırlık Weight	Kutu Box
mm		mm	mm	mm	mm	kg	(adet/pcs)
20	001 117 0022 0020	41	70	119	3,0	0,027	60
25	001 117 0022 0025	41	73	125	3,0	0,036	50
32	001 117 0022 0032	44	79	136	3,0	0,057	50
40	001 117 0022 0040	49	85	145	3,7	0,099	32
50	001 117 0022 0050	55	89	153	4,6	0,136	62
63	001 117 0022 0063	63	93	160	5,8	0,211	42
75	001 117 0022 0075	70	102	176	6,8	0,329	30
90	001 117 0022 0090	79	118	202	8,2	0,560	24
110	001 117 0022 0110	82	128	220	10,0	0,951	18
125	001 117 0022 0125	87	139	239	11,4	1,290	12
140	001 117 0022 0140	92	145	250	12,7	1,693	12
160	001 117 0022 0160	98	159	273	14,6	2,398	9
180	001 117 0022 0180	105	168	290	16,4	3,233	4
200	001 117 0022 0200	112	179	311	18,2	4,451	4
225	001 117 0022 0225	120	198	341	20,5	5,815	2
250	001 117 0022 0250	129	213	368	22,7	7,908	2
280	001 117 0022 0280	139	235	406	25,4	11,255	1
315	001 117 0022 0315	150	249	430	28,6	14,170	1
355	001 117 0022 0355	164	284	490	32,3	22,530	1
400	001 117 0022 0400	179	317	548	36,4	32,020	1

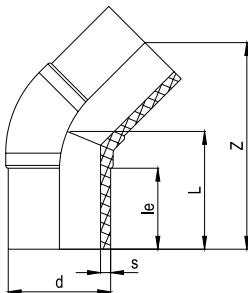
45° DİRSEK PE 100 SDR17

ELBOW 45° PE 100 SDR17

Enjeksiyon / Injected
Uzun tip / Long Spigot



5 bar Gaz - 10 bar Su / 5 bar Gas - 10 bar Water



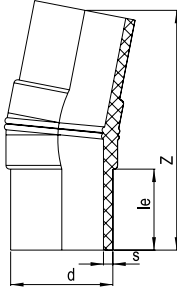
d	Ürün Kodu Article No	le	L	Z	s	Ağırlık Weight	Kutu Box
mm		mm	mm	mm	mm	kg	(adet/pcs)
63	001 115 0022 0063	63	93	160	3,8	0,164	42
75	001 115 0022 0075	70	102	176	4,5	0,239	30
90	001 115 0022 0090	79	118	202	5,4	0,410	24
110	001 115 0022 0110	82	128	220	6,6	0,689	18
125	001 115 0022 0125	87	139	239	7,4	0,906	12
140	001 115 0022 0140	92	145	250	8,3	1,201	12
160	001 115 0022 0160	98	159	273	9,5	1,764	9
180	001 115 0022 0180	105	168	290	10,7	2,283	4
200	001 115 0022 0200	112	179	311	11,9	3,276	4
225	001 115 0022 0225	120	198	341	13,4	4,215	2
250	001 115 0022 0250	129	213	368	14,8	5,908	2
280	001 115 0022 0280	139	235	406	16,6	8,055	1
315	001 115 0022 0315	150	249	430	18,7	10,270	1
355	001 115 0022 0355	164	284	490	21,1	15,470	1
400	001 115 0022 0400	179	317	548	23,7	21,920	1

11 ° DİRSEK PE 100 SDR11

ELBOW 11 ° PE 100 SDR11

Enjeksiyon / Injected
Uzun tip / Long Spigot
Kaynaklı Tasarım / Welded Design

10 bar Gaz - 16 bar Su / 10 bar Gas - 16 bar Water



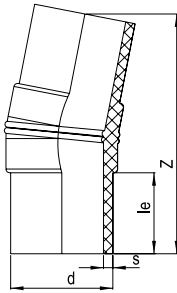
d	Ürün Kodu Article No	le	Z	s	Ağırlık Weight	Kutu Box
mm		mm	mm	mm	kg	(adet/pcs)
90	001 117 3024 0090	79	200	8,2	0,415	24
110	001 117 3024 0110	82	209	10,0	0,700	18
125	001 117 3024 0125	87	222	11,4	0,919	12
140	001 117 3024 0140	92	237	12,7	1,214	12
160	001 117 3024 0160	98	251	14,6	1,697	9
180	001 117 3024 0180	105	268	16,4	2,374	4
200	001 117 3024 0200	112	284	18,2	3,036	4
225	001 117 3024 0225	120	310	20,5	4,554	2
250	001 117 3024 0250	129	337	22,7	6,044	2
280	001 117 3024 0280	139	370	25,4	8,901	1
315	001 117 3024 0315	150	412	28,6	11,951	1
355	001 117 3024 0355	164	446	32,3	15,911	1
400	001 117 3024 0400	179	476	36,4	21,583	1

11 ° DİRSEK PE 100 SDR17

ELBOW 11 ° PE 100 SDR17

Enjeksiyon / Injected
Uzun tip / Long Spigot
Kaynaklı Tasarım / Welded Design

5 bar Gaz - 10 bar Su / 5 bar Gas - 10 bar Water



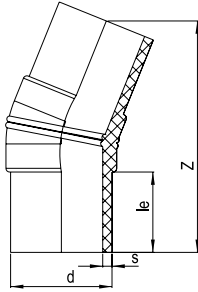
d	Ürün Kodu Article No	le	Z	s	Ağırlık Weight	Kutu Box
mm		mm	mm	mm	kg	(adet/pcs)
90	001 115 3024 0090	79	200	5,4	0,301	24
110	001 115 3024 0110	82	209	6,6	0,507	18
125	001 115 3024 0125	87	222	7,4	0,666	12
140	001 115 3024 0140	92	237	8,3	0,880	12
160	001 115 3024 0160	98	251	9,5	1,230	9
180	001 115 3024 0180	105	268	10,7	1,720	4
200	001 115 3024 0200	112	284	11,9	2,200	4
225	001 115 3024 0225	120	310	13,4	3,300	2
250	001 115 3024 0250	129	337	14,8	4,380	2
280	001 115 3024 0280	139	370	16,6	6,450	1
315	001 115 3024 0315	150	412	18,7	8,660	1
355	001 115 3024 0355	164	446	21,1	11,530	1
400	001 115 3024 0400	179	476	23,7	15,640	1

22° DİRSEK PE 100 SDR11

ELBOW 22° PE 100 SDR11

Enjeksiyon / Injected
Uzun tip / Long Spigot
Kaynaklı Tasarım / Welded Design

10 bar Gaz - 16 bar Su / 10 bar Gas - 16 bar Water



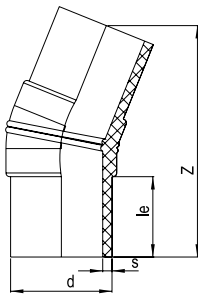
d	Ürün Kodu Article No	le	Z	s	Ağırlık Weight	Kutu Box
mm		mm	mm	mm	kg	(adet/pcs)
90	001 117 3026 0090	79	208	8,2	0,455	24
110	001 117 3026 0110	82	217	10,0	0,734	18
125	001 117 3026 0125	87	231	11,4	1,007	12
140	001 117 3026 0140	92	247	12,7	1,339	12
160	001 117 3026 0160	98	263	14,6	1,973	9
180	001 117 3026 0180	105	279	16,4	2,622	4
200	001 117 3026 0200	112	296	18,2	3,298	4
225	001 117 3026 0225	120	323	20,5	5,051	2
250	001 117 3026 0250	129	353	22,7	6,679	2
280	001 117 3026 0280	139	385	25,4	9,798	1
315	001 117 3026 0315	150	435	28,6	13,331	1
355	001 117 3026 0355	164	463	32,3	17,360	1
400	001 117 3026 0400	179	501	36,4	23,557	1

22° DİRSEK PE 100 SDR17

ELBOW 22° PE 100 SDR17

Enjeksiyon / Injected
Uzun tip / Long Spigot
Kaynaklı Tasarım / Welded Design

5 bar Gaz - 10 bar Su / 5 bar Gas - 10 bar Water



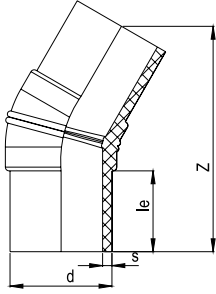
d	Ürün Kodu Article No	le	Z	s	Ağırlık Weight	Kutu Box
mm		mm	mm	mm	kg	(adet/pcs)
90	001 115 3026 0090	79	208	5,4	0,330	24
110	001 115 3026 0110	82	217	6,6	0,532	18
125	001 115 3026 0125	87	231	7,4	0,730	12
140	001 115 3026 0140	92	247	8,3	0,970	12
160	001 115 3026 0160	98	263	9,5	1,430	9
180	001 115 3026 0180	105	279	10,7	1,900	4
200	001 115 3026 0200	112	296	11,9	2,390	4
225	001 115 3026 0225	120	323	13,4	3,660	2
250	001 115 3026 0250	129	353	14,8	4,840	2
280	001 115 3026 0280	139	385	16,6	7,100	1
315	001 115 3026 0315	150	435	18,7	9,660	1
355	001 115 3026 0355	164	463	21,1	12,580	1
400	001 115 3026 0400	179	501	23,7	17,070	1

30 ° DİRSEK PE 100 SDR11

ELBOW 30 ° PE 100 SDR11

Enjeksiyon / Injected
 Uzun tip / Long Spigot
 Kaynaklı Tasarım / Welded Design

10 bar Gaz - 16 bar Su / 10 bar Gas 16 bar Water



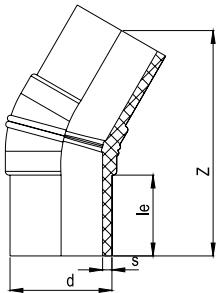
d	Ürün Kodu Article No	le	Z	s	Ağırlık Weight	Kutu Box
mm		mm	mm	mm	kg	(adet/pcs)
90	001 117 3027 0090	79	224	8,2	0,542	24
110	001 117 3027 0110	82	243	10,0	1,105	18
125	001 117 3027 0125	87	261	11,4	1,500	12
140	001 117 3027 0140	92	278	12,7	1,946	12
160	001 117 3027 0160	98	298	14,6	2,506	9
180	001 117 3027 0180	105	317	16,4	3,516	4
200	001 117 3027 0200	112	345	18,2	4,560	4
225	001 117 3027 0225	120	373	20,5	6,362	2
250	001 117 3027 0250	129	405	22,7	8,156	2
280	001 117 3027 0280	139	444	25,4	11,799	1
315	001 117 3027 0315	150	478	28,6	16,174	1
355	001 117 3027 0355	164	475	32,3	18,796	1
400	001 117 3027 0400	179	522	36,4	25,972	1

30 ° DİRSEK PE 100 SDR17

ELBOW 30 ° PE 100 SDR17

Enjeksiyon / Injected
 Uzun tip / Long Spigot
 Kaynaklı Tasarım / Welded Design

5 bar Gaz - 10 bar Su / 5 bar Gas 10 bar Water



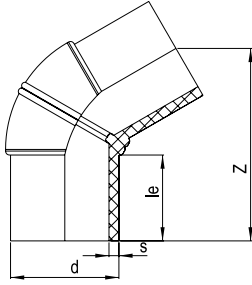
d	Ürün Kodu Article No	le	Z	s	Ağırlık Weight	Kutu Box
mm		mm	mm	mm	kg	(adet/pcs)
90	001 115 3027 0090	79	224	5,4	0,393	24
110	001 115 3027 0110	82	243	6,6	0,801	18
125	001 115 3027 0125	87	261	7,4	1,087	12
140	001 115 3027 0140	92	278	8,3	1,410	12
160	001 115 3027 0160	98	298	9,5	1,816	9
180	001 115 3027 0180	105	317	10,7	2,548	4
200	001 115 3027 0200	112	345	11,9	3,304	4
225	001 115 3027 0225	120	373	13,4	4,610	2
250	001 115 3027 0250	129	405	14,8	5,910	2
280	001 115 3027 0280	139	444	16,6	8,550	1
315	001 115 3027 0315	150	478	18,7	11,720	1
355	001 115 3027 0355	164	475	21,1	13,620	
400	001 115 3027 0400	179	522	23,7	18,820	

60° DİRSEK PE 100 SDR11

ELBOW 60° PE 100 SDR11

Enjeksiyon / Injected
Uzun tip / Long Spigot
Kaynaklı Tasarım / Welded Design

10 bar Gaz - 16 bar Su / 10 bar Gas - 16 bar Water



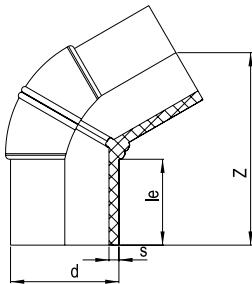
d	Ürün Kodu Article No	le	Z	s	Ağırlık Weight	Kutu Box
mm		mm	mm	mm	kg	(adet/pcs)
90	001 117 3028 0090	79	185	8,2	0,543	24
110	001 117 3028 0110	82	201	10,0	0,913	18
125	001 117 3028 0125	87	220	11,4	1,200	12
140	001 117 3028 0140	92	232	12,7	1,591	12
160	001 117 3028 0160	98	252	14,6	2,159	9
180	001 117 3028 0180	105	271	16,4	3,025	4
200	001 117 3028 0200	112	291	18,2	4,340	4
225	001 117 3028 0225	120	320	20,5	5,584	2
250	001 117 3028 0250	129	351	22,7	7,827	2
280	001 117 3028 0280	139	390	25,4	10,671	1
315	001 117 3028 0315	150	416	28,6	14,705	1
355	001 117 3028 0355	164	472	32,3	29,848	1
400	001 117 3028 0400	179	525	36,4	42,420	1

60° DİRSEK PE 100 SDR17

ELBOW 60° PE 100 SDR17

Enjeksiyon / Injected
Uzun tip / Long Spigot
Kaynaklı Tasarım / Welded Design

5 bar Gaz - 10 bar Su / 5 bar Gas - 10 bar Water



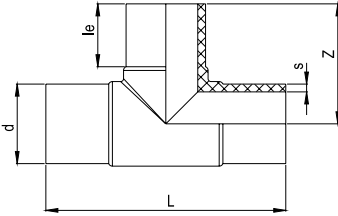
d	Ürün Kodu Article No	le	Z	s	Ağırlık Weight	Kutu Box
mm		mm	mm	mm	kg	(adet/pcs)
90	001 115 3028 0090	79	185	5,4	0,394	24
110	001 115 3028 0110	82	201	6,6	0,661	18
125	001 115 3028 0125	87	220	7,4	0,870	12
140	001 115 3028 0140	92	232	8,3	1,153	12
160	001 115 3028 0160	98	252	9,5	1,565	9
180	001 115 3028 0180	105	271	10,7	2,192	4
200	001 115 3028 0200	112	291	11,9	3,145	4
225	001 115 3028 0225	120	320	13,4	4,046	2
250	001 115 3028 0250	129	351	14,8	5,672	2
280	001 115 3028 0280	139	390	16,6	7,733	1
315	001 115 3028 0315	150	416	18,7	10,656	1
355	001 115 3028 0355	164	472	21,1	21,629	1
400	001 115 3028 0400	179	525	23,7	30,739	1

90° EŞİT TE PE 100 SDR11

TEE 90°, EQUAL PE 100 SDR11

 Enjeksiyon / Injected
 Uzun tip / Long Spigot

10 bar Gaz - 16 bar Su / 10 bar Gas - 16 bar Water



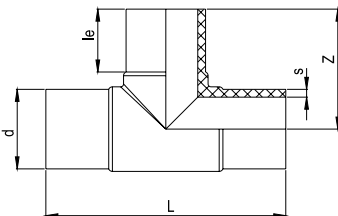
d	Ürün Kodu Article No	L	le	Z	s	Ağırlık Weight	Kutu Box
mm		mm	mm	mm	mm	kg	(adet/pcs)
20	001 117 0041 0020	148	41	74	3,0	0,038	50
25	001 117 0041 0025	158	41	78	3,0	0,054	40
32	001 117 0041 0032	166	44	84	3,0	0,074	30
40	001 117 0041 0040	188	49	96	3,7	0,134	50
50	001 117 0041 0050	229	55	114	4,6	0,242	47
63	001 117 0041 0063	216	63	107	5,8	0,384	36
75	001 117 0041 0075	261	70	130	6,8	0,560	22
90	001 117 0041 0090	290	79	142	8,2	0,892	14
110	001 117 0041 0110	327	82	162	10,0	1,580	14
125	001 117 0041 0125	356	87	178	11,4	2,204	8
140	001 117 0041 0140	380	92	189	12,7	2,751	6
160	001 117 0041 0160	417	98	208	14,6	4,130	4
180	001 117 0041 0180	458	105	225	16,4	5,658	3
200	001 117 0041 0200	481	112	236	18,2	7,490	2
225	001 117 0041 0225	527	120	260	20,5	10,126	2
250	001 117 0041 0250	590	129	292	22,7	13,768	2
280	001 117 0041 0280	690	139	340	25,4	21,564	1
315	001 117 0041 0315	712	150	352	28,6	27,066	1
355	001 117 0041 0355	789	164	394	32,3	36,830	1
400	001 117 0041 0400	877	179	439	36,4	55,760	1

90° EŞİT TE PE 100 SDR17

TEE 90°, EQUAL PE 100 SDR17

 Enjeksiyon / Injected
 Uzun tip / Long Spigot

5 bar Gaz - 10 bar Su / 5 bar Gas - 10 bar Water



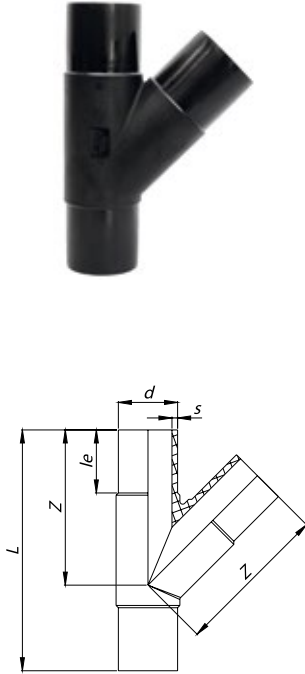
d	Ürün Kodu Article No	L	le	Z	s	Ağırlık Weight	Kutu Box
mm		mm	mm	mm	mm	kg	(adet/pcs)
63	001 115 0041 0063	225	63	114	3,8	0,310	36
75	001 115 0041 0075	261	70	130	4,5	0,434	22
90	001 115 0041 0090	290	79	142	5,4	0,676	14
110	001 115 0041 0110	327	82	162	6,6	1,232	14
125	001 115 0041 0125	356	87	178	7,4	1,626	8
140	001 115 0041 0140	378	92	189	8,3	2,028	6
160	001 115 0041 0160	417	98	208	9,5	3,076	4
180	001 115 0041 0180	458	105	225	10,7	4,140	3
200	001 115 0041 0200	481	112	236	11,9	5,222	2
225	001 115 0041 0225	527	120	260	13,4	7,350	2
250	001 115 0041 0250	590	129	292	14,8	9,858	2
280	001 115 0041 0280	690	139	340	16,6	15,856	1
315	001 115 0041 0315	712	150	352	18,7	19,200	1
355	001 115 0041 0355	789	164	394	21,1	27,280	1
400	001 115 0041 0400	877	179	439	23,7	38,250	1

45° ÇATAL TE PE 100 SDR11

WYE TEE 45°, PE 100 SDR11

Enjeksiyon / Injected
Uzun tip / Long Spigot

10 bar Gaz - 16 bar Su / 10 bar Gas - 16 bar Water



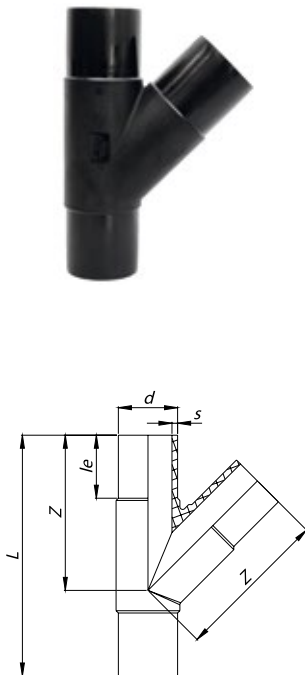
d	Ürün Kodu Article No	L	le	Z	s	Ağırlık Weight	Kutu Box
mm		mm	mm	mm	mm	kg	(adet/pcs)
63	001 117 0045 0063	254	63	164	5,8	0,474	22
75	001 117 0045 0075	284	70	185	6,8	0,693	20
90	001 117 0045 0090	321	79	213	8,2	1,150	11
110	001 117 0045 0110	376	82	251	10,0	1,964	9
125	001 117 0045 0125	412	87	277	11,4	2,860	5
160	001 117 0045 0160	531	98	356	14,6	6,350	30
180	001 117 0045 0180	578	105	394	16,4	8,590	20
200	001 117 0045 0200	630	112	430	18,2	11,350	13
225	001 117 0045 0225	692	120	475	20,5	15,790	10
250	001 117 0045 0250	729	129	507	22,7	20,130	8

45° ÇATAL TE PE 100 SDR17

WYE TEE 45°, PE 100 SDR17

Enjeksiyon / Injected
Uzun tip / Long Spigot

5 bar Gaz - 10 bar Su / 5 bar Gas - 10 bar Water



d	Ürün Kodu Article No	L	le	Z	s	Ağırlık Weight	Kutu Box
mm		mm	mm	mm	mm	kg	(adet/pcs)
63	001 115 0045 0063	254	63	164	3,8	0,342	22
75	001 115 0045 0075	284	70	185	4,5	0,502	20
90	001 115 0045 0090	321	79	213	5,4	0,840	11
110	001 115 0045 0110	376	82	251	6,6	1,433	9
125	001 115 0045 0125	412	87	277	7,4	2,125	5
160	001 115 0045 0160	531	98	356	9,5	4,700	30
180	001 115 0045 0180	578	105	394	10,7	6,470	20
200	001 115 0045 0200	630	112	430	11,9	8,580	13
225	001 115 0045 0225	692	120	475	13,4	11,920	10
250	001 115 0045 0250	729	129	507	14,8	14,840	8

90° İNEGAL TE PE 100 SDR11

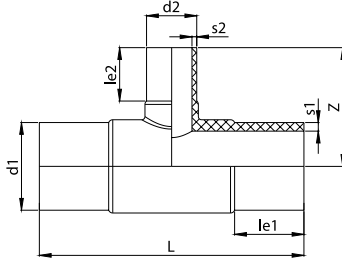
TEE 90°, REDUCED PE 100 SDR11

Enjeksiyon / Injected

Uzun tip / Long Spigot

* Kaynaklı Tasarım / Welded Design

10 bar Gaz - 16 bar Su / 10 bar Gas - 16 bar Water



d1	d2	Ürün Kodu Article No	L	le1	le2	Z	s1	s2	Ağırlık Weight	Kutu Box
mm	mm		mm	mm	mm	mm	mm	mm	kg	(adet/pcs)
50	40	001 117 0042 0051	229	55	49	94	4,6	3,7	0,210	32
50	32	001 117 0042 0052	229	55	44	88	4,6	3,0	0,192	32
50	25	001 117 0042 0053	229	55	41	85	4,6	3,0	0,180	32
63	50	001 117 0042 0064	216	63	55	103	5,8	4,6	0,346	36
63	40	001 117 0042 0065	216	63	49	95	5,8	3,7	0,312	36
63	32	001 117 0042 0066	216	63	44	89	5,8	3,0	0,304	36
75	63	001 117 0042 0076	261	70	63	121	6,8	5,8	0,522	22
75	50	001 117 0042 0077	261	70	55	113	6,8	4,6	0,480	22
75	40	001 117 0042 0078	261	70	49	106	6,8	3,7	0,454	22
75	32	001 117 0042 0079	260	70	44	100	6,8	3,0	0,450	22
90	75	001 117 0042 0091	290	79	70	136	8,2	6,8	0,834	14
90	63	001 117 0042 0092	290	79	63	132	8,2	5,8	0,790	14
90	50	001 117 0042 0093	290	79	55	124	8,2	4,6	0,748	14
110	90	001 117 0042 0111	327	82	79	157	10,0	8,2	1,422	14
110	75	001 117 0042 0112	327	82	70	151	10,0	6,8	1,356	14
110	63	001 117 0042 0113	327	82	63	149	10,0	5,8	1,318	14
110	50	001 117 0042 0114	327	82	55	147	10,0	4,6	1,282	14
110	32	001 117 0042 0116	327	82	55	140	10,0	3,0	1,232	14
125	110	001 117 0042 0126	356	87	82	176	11,4	10,0	2,082	8
125	90	001 117 0042 0127	356	87	79	172	11,4	8,2	2,000	8
125	63	001 117 0042 0129	356	87	63	154	11,4	5,8	1,740	8
140	125	001 117 0042 0141	380	92	87	184	12,7	11,4	2,612	6
140	110	001 117 0042 0142	380	92	82	179	12,7	10,0	2,542	6
140	90	001 117 0042 0143	380	92	79	175	12,7	8,2	2,414	6
160	140	001 117 0042 0161	417	98	92	200	14,6	12,7	3,838	4
160	125	001 117 0042 0162	417	98	87	200	14,6	11,4	3,754	4
160	110	001 117 0042 0163	417	98	82	195	14,6	10,0	3,660	4
160	90	001 117 0042 0164	417	98	79	187	14,6	8,2	3,334	5
160	75	001 117 0042 0165	417	98	70	182	14,6	6,8	3,428	5
160	63	001 117 0042 0166	417	98	63	175	14,6	5,8	3,430	5
180	160	001 117 0042 0181	458	105	98	222	16,4	14,6	5,346	3
180	125	001 117 0042 0183	458	105	87	215	16,4	11,4	5,086	3
180	110	001 117 0042 0184	458	105	82	210	16,4	10,0	4,950	3
180	90	001 117 0042 0185	458	105	79	206	16,4	8,2	4,818	3
200	160	001 117 0042 0202	481	112	98	227	18,2	14,6	6,820	3
200	125	001 117 0042 0204	481	112	87	225	18,2	11,4	6,464	3
200	110	001 117 0042 0205	481	112	82	211	18,2	10,0	6,324	3
200	90	001 117 0042 0206	481	112	79	207	18,2	8,2	6,200	3
200	63	001 117 0042 0208	481	112	63	191	18,2	5,8	6,170	3
225	160	001 117 0042 0228	527	120	98	242	20,5	14,6	9,120	2
225	125	001 117 0042 0230	527	120	87	239	20,5	11,4	8,930	2
225	110	001 117 0042 0231	527	120	82	226	20,5	10,0	8,750	2
225	90	001 117 0042 0232	527	120	79	222	20,5	8,2	8,728	2
250	225	001 117 0042 0251	590	129	120	285	22,7	20,5	13,264	2
250	200	001 117 0042 0252	590	129	112	278	22,7	18,2	12,607	2
250	160	001 117 0042 0254	590	129	98	267	22,7	14,6	11,950	2
250	125	001 117 0042 0256	590	129	87	252	22,7	11,4	11,630	2
250	110	001 117 0042 0257	590	129	82	251	22,7	10,0	11,690	2
250	90	001 117 0042 0258	590	129	79	243	22,7	8,2	11,428	2
280	250	001 117 0042 0281	685	139	129	331	25,4	22,7	20,175	1
280	225	001 117 0042 0282	690	139	120	320	25,4	20,5	19,700	1
280	200	001 117 0042 0283	690	139	112	316	25,4	18,2	18,932	1
280	160	001 117 0042 0285	690	139	98	302	25,4	14,6	18,186	1
280	110	001 117 0042 0288	690	139	82	290	25,4	10,0	17,890	1
315	250	001 117 0042 0317	712	150	129	332	28,6	22,7	25,420	1
315	225	001 117 0042 0318	712	150	120	325	28,6	20,5	24,920	1
315	200	001 117 0042 0319	712	150	112	317	28,6	18,2	24,300	1
315	160	001 117 0042 0321	712	150	98	303	28,6	14,6	23,860	1
315	110	001 117 0042 0324	712	150	82	293	28,6	10,0	22,746	1
* 355	315	001 117 3042 0356	789	164	150	594	32,3	28,6	42,100	1
* 355	250	001 117 3042 0358	789	164	129	796	32,3	22,7	45,610	1
* 355	225	001 117 3042 0359	789	164	120	796	32,3	18,2	45,000	1
* 400	315	001 117 3042 0402	877	179	150	630	36,4	28,6	56,830	1
* 400	250	001 117 3042 0404	877	179	129	833	36,4	22,7	60,400	1
* 400	225	001 117 3042 0405	877	179	120	833	36,4	18,2	59,820	1

90° İNEGAL TE PE 100 SDR17

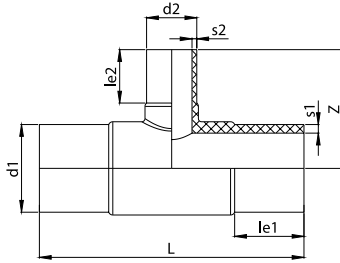
TEE 90°, REDUCED PE 100 SDR17

Enjeksiyon / Injected

Uzun tip / Long Spigot

* Kaynaklı Tasarım / Welded Design

5 bar Gaz - 10 bar Su / 5 bar Gas - 10 bar Water



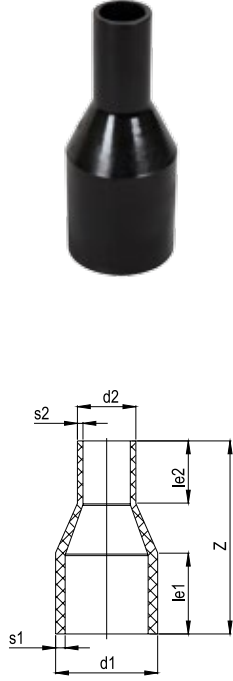
d1	d2	Ürün Kodu Article No	L	le1	le2	Z	s1	s2	Ağırlık Weight	Kutu Box
mm	mm		mm	mm	mm	mm	mm	mm	kg	(adet/pcs)
75	63	001 115 0042 0076	261	70	63	121	4,5	3,8	0,382	22
90	75	001 115 0042 0091	290	79	70	136	5,4	4,5	0,612	14
90	63	001 115 0042 0092	290	79	63	132	5,4	3,8	0,614	14
110	90	001 115 0042 0111	327	82	79	157	6,6	5,4	1,100	14
110	75	001 115 0042 0112	327	82	70	151	6,6	4,5	1,034	14
110	63	001 115 0042 0113	327	82	63	149	6,6	3,8	1,020	14
125	110	001 115 0042 0126	356	87	82	176	7,4	6,6	1,522	8
125	90	001 115 0042 0127	356	87	79	172	7,4	5,4	1,420	8
125	63	001 115 0042 0129	356	87	63	154	7,4	3,8	1,260	8
140	125	001 115 0042 0141	380	92	87	184	8,3	7,4	1,826	6
140	110	001 115 0042 0142	380	92	82	179	8,3	6,6	1,816	6
140	90	001 115 0042 0143	380	92	79	175	8,3	5,4	1,700	6
160	140	001 115 0042 0161	417	98	92	200	9,5	8,3	2,900	4
160	125	001 115 0042 0162	417	98	87	200	9,5	7,4	2,742	4
160	110	001 115 0042 0163	417	98	82	195	9,5	6,6	2,714	4
160	90	001 115 0042 0164	417	98	79	187	9,5	5,4	2,642	5
160	75	001 115 0042 0165	417	98	70	182	9,5	4,5	2,590	5
160	63	001 115 0042 0166	417	98	63	175	9,5	3,8	2,536	5
180	160	001 115 0042 0181	458	105	98	226	10,7	9,5	3,858	3
180	125	001 115 0042 0183	458	105	87	215	10,7	7,4	3,682	3
180	110	001 115 0042 0184	458	105	82	210	10,7	6,6	3,612	3
180	90	001 115 0042 0185	458	105	79	206	10,7	5,4	3,540	3
200	160	001 115 0042 0202	481	112	98	227	11,9	9,5	4,854	3
200	125	001 115 0042 0204	481	112	87	225	11,9	7,4	4,686	3
200	110	001 115 0042 0205	481	112	82	211	11,9	6,6	4,545	3
200	90	001 115 0042 0206	481	112	79	207	11,9	5,4	4,426	3
200	63	001 115 0042 0208	481	112	63	191	11,9	3,8	4,427	3
225	160	001 115 0042 0228	527	120	98	242	13,4	9,5	6,652	2
225	125	001 115 0042 0230	527	120	87	239	13,4	7,4	6,400	2
225	110	001 115 0042 0231	527	120	82	226	13,4	6,6	6,344	2
225	90	001 115 0042 0232	527	120	79	222	13,4	5,4	6,270	2
250	225	001 115 0042 0251	590	129	120	285	14,8	13,4	9,494	2
250	200	001 115 0042 0252	590	129	112	278	14,8	11,9	9,109	2
250	160	001 115 0042 0254	590	129	98	267	14,8	9,5	8,724	2
250	125	001 115 0042 0256	590	129	87	252	14,8	7,4	8,500	2
250	110	001 115 0042 0257	590	129	82	251	14,8	6,6	8,382	2
250	90	001 115 0042 0258	590	129	79	243	14,8	5,4	8,550	2
280	250	001 115 0042 0281	690	139	129	334	16,6	14,8	14,478	1
280	225	001 115 0042 0282	690	139	120	320	16,6	13,4	14,160	1
280	200	001 115 0042 0283	690	139	112	316	16,6	11,9	13,950	1
280	160	001 115 0042 0285	690	139	98	302	16,6	9,5	13,650	1
280	110	001 115 0042 0288	690	139	82	290	16,6	6,6	13,330	1
315	250	001 115 0042 0317	712	150	129	332	18,7	14,8	17,640	1
315	225	001 115 0042 0318	712	150	120	320	18,7	13,4	17,000	1
315	200	001 115 0042 0319	712	150	112	317	18,7	11,9	16,750	1
315	160	001 115 0042 0321	712	150	98	303	18,7	9,5	16,430	1
315	110	001 115 0042 0324	712	150	82	293	18,7	6,6	16,234	1
* 355	315	001 115 3042 0356	789	164	150	594	21,1	18,7	30,270	1
* 355	250	001 115 3042 0358	789	164	129	796	21,1	14,8	33,220	1
* 355	225	001 115 3042 0359	789	164	120	796	21,1	13,4	33,010	1
* 400	315	001 115 3042 0402	877	179	150	630	23,7	18,7	40,930	1
* 400	250	001 115 3042 0404	877	179	129	833	23,7	14,8	43,850	1
* 400	225	001 115 3042 0405	877	179	120	833	23,7	13,4	43,640	1

REDÜKSİYON PE 100 SDR11

REDUCER PE 100 SDR11

Enjeksiyon / Injected - Uzun tip / Long Spigot

10 bar Gaz - 16 bar Su / 10 bar Gas - 16 bar Water



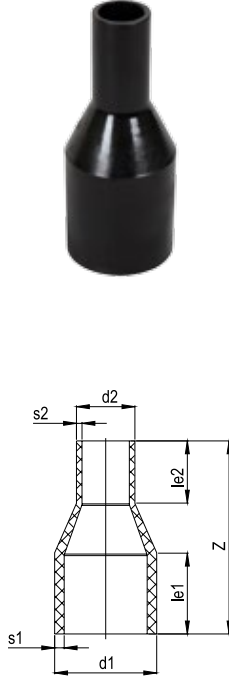
d1	d2	Ürün Kodu Article No	Z	le1	le2	s1	s2	Ağırlık Weight	Kutu Box
mm	mm		mm	mm	mm	mm	mm	kg	(adet/pcs)
25	20	001 117 0080 0026	120	41	41	3,0	3,0	0,024	80
32	25	001 117 0080 0033	130	44	41	3,0	3,0	0,034	50
32	20	001 117 0080 0034	115	44	41	3,0	3,0	0,030	50
40	32	001 117 0080 0041	130	49	44	3,7	3,0	0,052	50
40	25	001 117 0080 0042	130	49	41	3,7	3,0	0,042	50
50	40	001 117 0080 0051	140	55	49	4,6	3,7	0,078	40
50	32	001 117 0080 0052	140	55	44	4,6	3,0	0,074	40
50	25	001 117 0080 0053	140	55	41	4,6	3,0	0,068	40
63	50	001 117 0080 0064	150	63	55	5,8	4,6	0,140	20
63	40	001 117 0080 0065	150	63	49	5,8	3,7	0,116	20
63	32	001 117 0080 0066	150	63	44	5,8	3,0	0,112	20
63	25	001 117 0080 0067	143	63	41	5,8	3,0	0,106	20
75	63	001 117 0080 0076	175	70	63	6,8	5,8	0,232	36
75	50	001 117 0080 0077	175	70	55	6,8	4,6	0,194	36
75	40	001 117 0080 0078	170	70	49	6,8	3,7	0,166	36
75	32	001 117 0080 0079	170	70	44	6,8	3,0	0,164	36
90	75	001 117 0080 0091	200	79	70	8,2	6,8	0,390	36
90	63	001 117 0080 0092	196	79	63	8,2	5,8	0,302	36
90	50	001 117 0080 0093	190	79	55	8,2	4,6	0,288	36
110	90	001 117 0080 0111	213	82	79	10,0	8,2	0,586	30
110	75	001 117 0080 0112	216	82	70	10,0	6,8	0,546	30
110	63	001 117 0080 0113	214	82	63	10,0	5,8	0,496	30
110	50	001 117 0080 0114	208	82	55	10,0	4,6	0,410	30
125	110	001 117 0080 0126	222	87	82	11,4	10,0	0,844	18
125	90	001 117 0080 0127	222	87	79	11,4	8,2	0,729	24
125	75	001 117 0080 0128	215	87	70	11,4	6,8	0,642	24
125	63	001 117 0080 0129	195	87	63	11,4	5,8	0,602	24
140	125	001 117 0080 0141	225	92	87	12,7	11,4	1,090	16
140	110	001 117 0080 0142	233	92	82	12,7	10,0	1,002	16
140	90	001 117 0080 0143	225	92	79	12,7	8,2	0,824	16
140	75	001 117 0080 0144	225	92	70	12,7	6,8	0,826	16
160	140	001 117 0080 0161	245	98	92	14,6	12,7	1,468	16
160	125	001 117 0080 0162	250	98	87	14,6	11,4	1,442	16
160	110	001 117 0080 0163	250	98	82	14,6	10,0	1,280	16
160	90	001 117 0080 0164	245	98	79	14,6	8,2	1,220	16
180	160	001 117 0080 0181	255	105	98	16,4	14,6	2,068	6
180	140	001 117 0080 0182	250	105	92	16,4	12,7	1,800	6
180	125	001 117 0080 0183	255	105	87	16,4	11,4	1,646	6
180	110	001 117 0080 0184	255	105	82	16,4	10,0	1,588	6
200	180	001 117 0080 0201	275	112	105	18,2	16,4	2,654	8
200	160	001 117 0080 0202	270	112	98	18,2	14,6	2,364	8
200	140	001 117 0080 0203	275	112	92	18,2	12,7	2,342	8
200	110	001 117 0080 0205	275	112	82	18,2	10,0	2,192	8
225	200	001 117 0080 0226	300	120	112	20,5	18,2	3,758	5
225	180	001 117 0080 0227	280	120	105	20,5	16,4	3,336	5
225	160	001 117 0080 0228	280	120	98	20,5	14,6	3,024	5
225	110	001 117 0080 0231	295	120	82	20,5	10,0	2,848	6
250	225	001 117 0080 0251	305	129	120	22,7	20,5	4,708	2
250	200	001 117 0080 0252	310	129	112	22,7	18,2	4,346	2
250	180	001 117 0080 0253	305	129	105	22,7	16,4	4,208	2
250	160	001 117 0080 0254	294	129	98	22,7	14,6	3,542	2
280	250	001 117 0080 0281	348	139	129	25,4	22,7	6,818	2
280	225	001 117 0080 0282	336	139	120	25,4	20,5	6,050	2
280	200	001 117 0080 0283	348	139	112	25,4	18,2	5,758	2
280	180	001 117 0080 0284	348	139	105	25,4	16,4	5,390	2
315	280	001 117 0080 0316	355	150	139	28,6	25,4	8,678	2
315	250	001 117 0080 0317	375	150	129	28,6	22,7	8,066	2
315	225	001 117 0080 0318	375	150	120	28,6	20,5	7,652	2
355	315	001 117 0080 0356	390	164	150	32,3	28,6	11,290	1
400	315	001 117 0080 0402	430	179	150	36,4	28,6	14,560	1

REDÜKSİYON PE 100 SDR17

REDUCER PE 100 SDR17

Enjeksiyon / Injected - Uzun tip / Long Spigot

5 bar Gaz - 10 bar Su / 5 bar Gas - 10 bar Water



d1	d2	Ürün Kodu Article No	Z	le1	le2	s1	s2	Ağırlık Weight	Kutu Box
mm	mm		mm	mm	mm	mm	mm	kg	(adet/pcs)
75	63	001 115 0080 0076	175	70	63	4,5	3,8	0,199	36
90	75	001 115 0080 0091	200	79	70	5,4	4,5	0,330	36
90	63	001 115 0080 0092	196	79	63	5,4	3,8	0,258	36
110	90	001 115 0080 0111	213	82	79	6,6	5,4	0,498	30
110	75	001 115 0080 0112	216	82	70	6,6	4,5	0,463	30
110	63	001 115 0080 0113	214	82	63	6,6	3,8	0,421	30
125	110	001 115 0080 0126	222	87	82	7,4	6,6	0,717	18
125	90	001 115 0080 0127	222	87	79	7,4	5,4	0,619	24
125	75	001 115 0080 0128	215	87	70	7,4	4,5	0,545	24
125	63	001 115 0080 0129	195	87	63	7,4	3,8	0,511	24
140	125	001 115 0080 0141	225	92	87	8,3	7,4	0,926	16
140	110	001 115 0080 0142	233	92	82	8,3	6,6	0,851	16
140	90	001 115 0080 0143	225	92	79	8,3	5,4	0,700	16
140	75	001 115 0080 0144	225	92	70	8,3	4,5	0,702	16
160	140	001 115 0080 0161	245	98	92	9,5	8,3	1,247	16
160	125	001 115 0080 0162	250	98	87	9,5	7,4	1,225	16
160	110	001 115 0080 0163	250	98	82	9,5	6,6	1,088	16
160	90	001 115 0080 0164	245	98	79	9,5	5,4	1,038	16
180	160	001 115 0080 0181	255	105	98	10,7	9,5	1,757	6
180	140	001 115 0080 0182	250	105	92	10,7	8,3	1,530	6
180	125	001 115 0080 0183	255	105	87	10,7	7,4	1,414	6
180	110	001 115 0080 0184	255	105	82	10,7	6,6	1,350	6
200	180	001 115 0080 0201	275	112	105	11,9	10,7	2,255	8
200	160	001 115 0080 0202	270	112	98	11,9	9,5	2,009	8
200	140	001 115 0080 0203	275	112	92	11,9	8,3	1,990	8
200	110	001 115 0080 0205	275	112	82	11,9	6,6	1,863	8
225	200	001 115 0080 0226	300	120	112	13,4	11,9	3,194	5
225	180	001 115 0080 0227	280	120	105	13,4	10,7	2,835	5
225	160	001 115 0080 0228	280	120	98	13,4	9,5	2,570	5
225	110	001 115 0080 0231	295	120	82	13,4	6,6	2,420	6
250	225	001 115 0080 0251	305	129	120	14,8	13,4	3,995	2
250	200	001 115 0080 0252	310	129	112	14,8	11,9	3,694	2
250	180	001 115 0080 0253	305	129	105	14,8	10,7	3,576	2
250	160	001 115 0080 0254	294	129	98	14,8	9,5	3,017	2
280	250	001 115 0080 0281	348	139	129	16,6	14,8	5,795	2
280	225	001 115 0080 0282	336	139	120	16,6	13,4	5,142	2
280	200	001 115 0080 0283	348	139	112	16,6	11,9	4,894	2
280	180	001 115 0080 0284	348	139	105	16,6	10,7	4,589	2
315	280	001 115 0080 0316	355	150	139	18,7	16,6	7,383	2
315	250	001 115 0080 0317	375	150	129	18,7	14,8	6,856	2
315	225	001 115 0080 0318	375	150	120	18,7	13,4	6,504	2
355	315	001 115 0080 0356	390	164	150	21,1	18,7	8,090	1
400	315	001 115 0080 0402	430	179	150	23,7	18,7	12,376	1

KADEMELİ REDÜKSİYON PE 100 SDR11

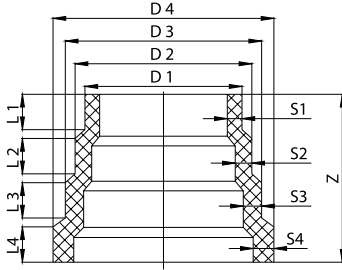
STEP REDUCER PE 100 SDR11

Enjeksiyon / Injected

Kısa tip / Short Spigot

Ara çap elde etmek için özel ekipman gerektirir / Special equipment requires

16 bar Su / 16 bar Water



D4	D1	Ürün Kodu Article No	D2	D3	L1	L2	L3	L4	Z
mm	mm		mm	mm	mm	mm	mm	mm	mm
225	160	001 117 1081 0228	180	200	36	36	36	36	171.0
315	225	001 117 1081 0318	250	280	36	36	36	36	171.0
450	315	001 117 1081 0453	355	400	36	36	36	52	176.0
630	450	001 117 1081 0633	500	560	36	36	36	72	200.0

D4	D1	Ürün Kodu Article No	D2	D3	S1	S2	S3	S4	Ağırlık Weight	Kutu Box
mm	mm		mm	mm	mm	mm	mm	mm	kg	(adet/pcs)
225	160	001 117 1081 0228	180	200	14.6	16.4	18.2	20.5	1,7	1
315	225	001 117 1081 0318	250	280	20.5	22.7	25.4	28.6	3,7	1
450	315	001 117 1081 0453	355	400	28.6	32.3	36.4	40.9	8,3	1
630	450	001 117 1081 0633	500	560	40.9	45.5	50.8	57.2	19,3	1

KADEMELİ REDÜKSİYON PE 100 SDR17

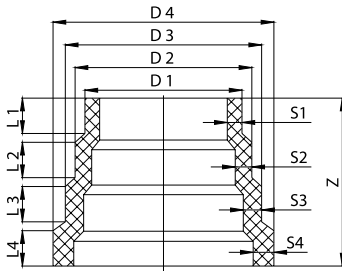
STEP REDUCER PE 100 SDR17

Enjeksiyon / Injected

Kısa tip / Short Spigot

Ara çap elde etmek için özel ekipman gerektirir / Special equipment requires

10 bar Su / 10 bar Water



D4	D1	Ürün Kodu Article No	D2	D3	L1	L2	L3	L4	z
mm	mm		mm	mm	mm	mm	mm	mm	mm
225	160	001 115 1081 0228	180	200	36	36	36	36	171,0
315	225	001 115 1081 0318	250	280	36	36	36	36	171,0
450	315	001 115 1081 0453	355	400	36	36	36	52	180,0
630	450	001 115 1081 0633	500	560	36	36	36	72	208,0
900	630	001 115 1081 0903	710	800	36	36	36	86	194,0

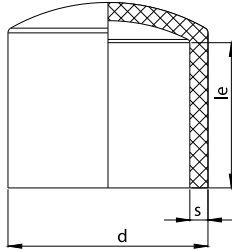
D4	D1	Ürün Kodu Article No	D2	D3	S1	S2	S3	S4	Ağırlık Weight	Kutu Box
mm	mm		mm	mm	mm	mm	mm	mm	kg	(adet/pcs)
225	160	001 115 1081 0228	180	200	9,5	10,7	11,9	13,4	1,3	1
315	225	001 115 1081 0318	250	280	13,4	14,8	16,6	18,7	2,5	1
450	315	001 115 1081 0453	355	400	18,7	21,1	23,7	26,7	5,8	1
630	450	001 115 1081 0633	500	560	26,7	29,7	33,2	37,4	14,0	1
900	630	001 115 1081 0903	710	800	37,4	42,1	47,4	53,3	31,0	1

KÖR TAPA PE 100 SDR11

END CAP PE 100 SDR11

Enjeksiyon / Injected
Uzun tip / Long Spigot

10 bar Gaz - 16 bar Su / 10 bar Gas - 16 bar Water



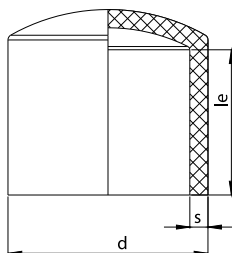
d	Ürün Kodu Article No	le	s	Ağırlık Weight	Kutu Box
mm		mm	mm	kg	(adet/pcs)
20	001 117 0140 0020	41	3,0	0,008	100
25	001 117 0140 0025	41	3,0	0,012	100
32	001 117 0140 0032	44	3,0	0,016	100
40	001 117 0140 0040	49	3,7	0,028	60
50	001 117 0140 0050	55	4,6	0,048	50
63	001 117 0140 0063	63	5,8	0,088	36
75	001 117 0140 0075	70	6,8	0,142	27
90	001 117 0140 0090	79	8,2	0,234	60
110	001 117 0140 0110	82	10,0	0,374	36
125	001 117 0140 0125	87	11,4	0,542	24
140	001 117 0140 0140	92	12,7	0,748	22
160	001 117 0140 0160	98	14,6	1,022	15
180	001 117 0140 0180	105	16,4	1,416	8
200	001 117 0140 0200	112	18,2	1,888	10
225	001 117 0140 0225	120	20,5	2,520	4
250	001 117 0140 0250	129	22,7	3,240	4
280	001 117 0140 0280	139	25,4	4,580	3
315	001 117 0140 0315	150	28,6	6,310	2
355	001 117 0140 0355	164	32,3	8,700	1
400	001 117 0140 0400	179	36,4	12,440	1

KÖR TAPA PE 100 SDR17

END CAP PE 100 SDR17

Enjeksiyon / Injected
Uzun tip / Long Spigot

5 bar Gaz - 10 bar Su / 5 bar Gas - 10 bar Water



d	Ürün Kodu Article No	le	s	Ağırlık Weight	Kutu Box
mm		mm	mm	kg	(adet/pcs)
63	001 115 0140 0063	63	3,8	0,079	36
75	001 115 0140 0075	70	4,5	0,117	27
90	001 115 0140 0090	79	5,4	0,205	60
110	001 115 0140 0110	82	6,6	0,308	36
125	001 115 0140 0125	87	7,4	0,436	24
140	001 115 0140 0140	92	8,3	0,621	22
160	001 115 0140 0160	98	9,5	0,863	15
180	001 115 0140 0180	105	10,7	1,135	8
200	001 115 0140 0200	112	11,9	1,518	10
225	001 115 0140 0225	120	13,4	2,113	4
250	001 115 0140 0250	129	14,8	2,764	4
280	001 115 0140 0280	139	16,6	3,761	3
315	001 115 0140 0315	150	18,7	5,191	2
355	001 115 0140 0355	164	21,1	7,465	1
400	001 115 0140 0400	179	23,7	10,640	1

FLANŞ ADAPTÖRÜ PE 100 SDR11

FLANGE ADAPTOR PE 100 SDR11



Enjeksiyon / Injected

Uzun tip / Long Spigot

Kelebek vanaya uyumlu / Suitable for butterfly valve

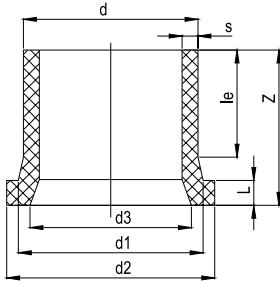
*ANSI Flanşa uygun değildir. Uygun ürünler için lütfen sayfa 25'e bakınız /

Not suitable for ANSI flange. Please check page 25 for suitable flanges

**Boru ekli / With pipe extension

***Kelebek vana için spacer gerekli / Needed spacer for butterfly valve

10 bar Gaz - 16 bar Su / 10 bar Gas - 16 bar Water



d	Ürün Kodu Article No	d1	d2	d3	le	L	Z	s	Ağırlık Weight	Kutu Box
mm		mm	mm	mm	mm	mm	mm	mm	kg	(adet/pcs)
20	001 117 0100 0020	28	45		55	7	80	3,0	0,024	100
*25	001 117 0100 0025	34	58		62	9	81	3,0	0,038	50
*32	001 117 0100 0032	42	68		61	10	86	3,0	0,052	40
*40	001 117 0100 0040	51	78		60	11	88	3,7	0,082	70
*50	001 117 0100 0050	62	88		63	12	92	4,6	0,122	50
*63	001 117 0100 0063	78	102		88	14	120	5,8	0,200	60
*75	001 117 0100 0075	92	122		97	16	130	6,8	0,310	60
*90	001 117 0100 0090	108	138		103	17	140	8,2	0,440	45
110	001 117 0100 0110	125	158		113	18	155	10,0	0,680	24
125	001 117 0100 0125	135	158		120	20	159	11,4	0,780	16
140	001 117 0100 0140	155	188		128	25	190	12,7	1,318	12
160	001 117 0100 0160	175	212	154	155	25	200	14,6	1,620	12
180	001 117 0100 0180	188	212	158	152	30	207	16,4	1,960	10
200	001 117 0100 0200	232	268	208	153	32	210	18,2	2,680	4
225	001 117 0100 0225	238	268	208	139	32	196	20,5	3,108	4
250	001 117 0100 0250	288	320	260	140	35	205	22,7	3,782	2
280	001 117 0100 0280	288	320	260	145	35	211	25,4	4,724	2
315	001 117 0100 0315	338	375	305	160	35	224	28,6	6,346	2
355	001 117 0100 0355	376	435	345	172	45	240	32,3	9,188	1
400	001 117 0100 0400	430	485	396	181	50	264	36,4	12,700	1
**450(DN450)	001 117 5100 0450	465	545	442	195	66	360	40,9	21,770	1
**450(DN500)	001 117 5100 4500	517	585	480	195	65	360	40,9	22,890	1
**500	001 117 5100 0500	530	590	494	212	60	354	45,5	25,060	1
*/**/**560	001 117 5100 0560	618	690	580	235	80	423	50,8	38,800	1
*/**630	001 117 5100 0630	645	690	576	255	65	404	57,3	42,400	1
**710	001 117 5100 0710	740	800	663	282	75	447	64,5	61,198	1

FLANŞ ADAPTÖRÜ PE 100 SDR17

FLANGE ADAPTOR PE 100 SDR17



Enjeksiyon / Injected

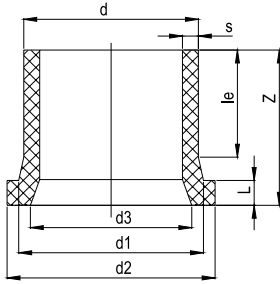
Uzun tip / Long Spigot

Kelebek vanaya uyumlu / Suitable for butterfly valve

*ANSI Flanşa uygun değildir. Uygun ürünler için lütfen sayfa 25'e bakınız /
Not suitable for ANSI flange. Please check page 25 for suitable flanges

**Boru ekli / With pipe extension

5 bar Gaz - 10 bar Su / 5 bar Gas - 10 bar Water



d	Ürün Kodu Article No	d1	d2	d3	le	L	Z	s	Ağırlık Weight	Kutu Box
mm		mm	mm	mm	mm	mm	mm	mm	kg	(adet/pcs)
*63	001 115 0100 0063	78	102		88	14	120	3,8	0,160	60
*75	001 115 0100 0075	92	122		97	16	130	4,5	0,272	60
*90	001 115 0100 0090	108	139		106	17	140	5,4	0,350	45
110	001 115 0100 0110	125	158		113	17	155	6,6	0,530	24
125	001 115 0100 0125	135	158		120	20	160	7,4	0,570	16
140	001 115 0100 0140	155	188		128	18	188	8,3	1,108	12
160	001 115 0100 0160	175	212	154	147	18	185	9,5	1,070	12
180	001 115 0100 0180	188	212	164	111	20	153	10,7	1,110	12
200	001 115 0100 0200	230	268	208	125	24	188	11,9	1,912	4
225	001 115 0100 0225	238	268	208	156	24	205	13,4	2,316	4
250	001 115 0100 0250	288	320	260	133	25	186	14,8	2,841	2
280	001 115 0100 0280	288	320	260	148	25	213	16,6	3,958	2
315	001 115 0100 0315	338	375	305	166	25	223	18,7	4,470	2
355	001 115 0100 0355	376	435	350	174	30	227	21,1	6,062	1
400	001 115 0100 0400	430	485	396	185	33	242	23,7	8,328	1
**450(DN450)	001 115 5100 0450	465	545	442	195	45	335	26,7	14,260	1
**450(DN500)	001 115 5100 4500	517	585	485	195	45	335	26,7	15,120	1
**500	001 115 5100 0500	530	590	497	212	46	339	29,7	16,880	1
*/**560	001 115 5100 0560	618	690	580	235	50	373	33,2	24,170	1
*/**630	001 115 5100 0630	645	690	585	255	50	384	37,4	28,420	1
**710	001 115 5100 0710	740	800	670	282	50	422	42,1	40,540	1
**800	001 115 5100 0800	843	905	780	312	60	463	47,4	55,390	1
**900	001 115 5100 0900	947	1005	884	345	60	507	53,3	74,350	1
**1000	001 115 5100 1000	1050	1112	972	379	65	557	59,3	101,260	1
**1200	001 115 5100 1200	1240	1320	1167	447	75	620	71,2	177,110	1

FLANŞ ADAPTÖRÜ PE 100 SDR11

FLANGE ADAPTOR PE 100 SDR11

Enjeksiyon / Injected

Kısa tip / Short Spigot

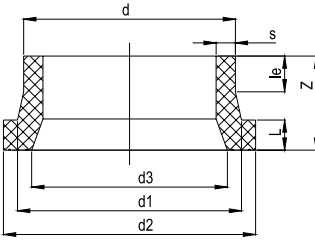
Kelebek vanaya uyumlu / Suitable for butterfly valve

 *ANSI Flanşa uygun değildir. Uygun ürünler için lütfen sayfa 26'ya bakınız /
 Not suitable for ANSI flange. Please check page 26 for suitable flanges

**Kelebek vana için spacer gerekli / Needed spacer for butterfly valve



10 bar Gaz - 16 bar Su / 10 bar Gas - 16 bar Water



d	Ürün Kodu Article No	d1	d2	d3	le	L	Z	s	Ağırlık Weight	Kutu Box
mm		mm	mm	mm	mm	mm	mm	mm	kg	(adet/pcs)
200	001 117 1100 0200	232	268	208	50	32	120	18,2	1,860	6
225	001 117 1100 0225	238	268	208	53	32	120	20,5	1,980	6
250	001 117 1100 0250	288	320	260	45	35	120	22,7	2,640	3
280	001 117 1100 0280	288	320	260	46	35	120	25,4	2,871	3
315	001 117 1100 0315	338	375	305	47	35	120	28,6	3,730	4
355	001 117 1100 0355	376	435	345	45	45	120	32,3	5,300	2
400	001 117 1100 0400	430	485	396	40	50	124	36,4	6,740	2
450(DN450)	001 117 1100 0450	465	545	442	40	66	140	40,9	11,520	1
450(DN500)	001 117 1100 4500	517	585	480	40	65	160	40,9	12,640	1
500	001 117 1100 0500	530	590	494	40	60	134	45,5	11,280	1
*/*560	001 117 1100 0560	618	690	580	43	80	180	50,8	19,710	1
*630	001 117 1100 0630	645	690	576	45	65	140	57,2	16,160	1
710	001 117 1100 0710	740	800	663	40	75	154	64,9	24,150	1

FLANŞ ADAPTÖRÜ PE 100 SDR17

FLANGE ADAPTOR PE 100 SDR17

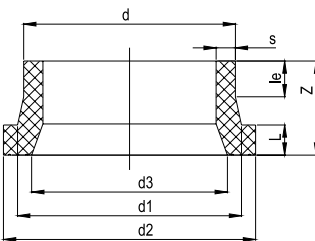
Enjeksiyon / Injected

Kısa tip / Short Spigot

Kelebek vanaya uyumlu / Suitable for butterfly valve

 *ANSI Flanşa uygun değildir. Uygun ürünler için lütfen sayfa 26'ya bakınız /
 Not suitable for ANSI flange. Please check page 26 for suitable flanges


5 bar Gaz - 10 bar Su / 5 bar Gas - 10 bar Water



d	Ürün Kodu Article No	d1	d2	d3	le	L	Z	s	Ağırlık Weight	Kutu Box
mm		mm	mm	mm	mm	mm	mm	mm	kg	(adet/pcs)
200	001 115 1100 0200	230	268	208	57	24	120	11,9	1,390	6
225	001 115 1100 0225	238	268	208	61	24	120	13,4	1,450	6
250	001 115 1100 0250	288	320	260	55	25	120	14,8	1,940	3
280	001 115 1100 0280	288	320	260	56	25	120	16,6	2,090	3
315	001 115 1100 0315	338	375	305	57	25	120	18,7	2,720	4
355	001 115 1100 0355	376	435	350	60	30	120	21,1	3,800	2
400	001 115 1100 0400	430	485	396	52	33	120	23,7	4,710	2
450(DN450)	001 115 1100 0450	465	545	442	40	45	134	26,7	7,300	1
450(DN500)	001 115 1100 4500	517	585	485	40	45	134	26,7	8,160	1
500	001 115 1100 0500	530	590	497	45	46	120	29,7	7,540	1
*560	001 115 1100 0560	618	690	580	36	50	130	33,2	11,210	1
*630	001 115 1100 0630	645	690	585	45	50	120	37,4	10,600	1
710	001 115 1100 0710	740	800	670	40	50	130	42,1	15,610	1
800	001 115 1100 0800	843	905	780	45	60	140	47,4	20,450	1
900	001 115 1100 0900	947	1005	884	45	60	150	53,3	25,550	1
1000	001 115 1100 1000	1050	1112	972	45	65	165	59,3	35,070	1
1200	109 115 1100 1200	1240	1320	1167	31	75	172	71,2	62,000	1

FLANŞ ADAPTÖRÜ (ANSI FLANŞ UYUMLU) PE 100 SDR11

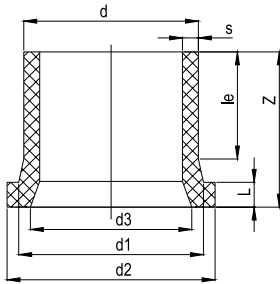
FLANGE ADAPTOR (SUITABLE FOR ANSI FLANGE) PE 100 SDR11



Enjeksiyon / Injected
Uzun tip / Long Spigot
Kelebek vanaya uyumlu / Suitable for butterfly valve
ANSI flanşa uyumlu / Suitable for ANSI flange
*Boru ekli / With welded pipes
**Kelebek vana için spacer gerekli / Needed spacer for butterfly valve



10 bar Gaz - 16 bar Su / 10 bar Gas - 16 bar Water



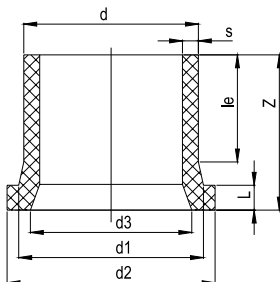
d	Ürün Kodu Article No	d1	d2	d3	le	L	Z	s	Ağırlık Weight	Kutu Box
mm		mm	mm	mm	mm	mm	mm	mm	kg	(adet/pcs)
25	001 117 0103 0025	34	54		62	9	81	3,0	0,038	50
32	001 117 0103 0032	42	64		61	10	86	3,0	0,052	40
40	001 117 0103 0040	51	73		60	11	88	3,7	0,072	70
50	001 117 0103 0050	62	82		63	12	92	4,6	0,122	50
63	001 117 0103 0063	78	100		88	14	120	5,8	0,190	60
75	001 117 0103 0075	92	119		97	16	130	6,8	0,300	60
90	001 117 0103 0090	108	132		103	17	140	8,2	0,420	45
*/*560	001 117 5103 0560	580	654	549	235	80	423	50,9	38,400	1
*630	001 117 5103 0630	650	710	576	255	65	404	57,3	43,500	1

FLANŞ ADAPTÖRÜ (ANSI FLANŞ UYUMLU) PE 100 SDR17

FLANGE ADAPTOR (SUITABLE FOR ANSI FLANGE) PE 100 SDR17



Enjeksiyon / Injected
Uzun tip / Long Spigot
Kelebek vanaya uyumlu / Suitable for butterfly valve
ANSI flanşa uyumlu / Suitable for ANSI flange
*Boru ekli / With welded pipes
**Kelebek vana için spacer gerekli / Needed spacer for butterfly valve



5 bar Gaz - 10 bar Su / 5 bar Gas - 10 bar Water

d	Ürün Kodu Article No	d1	d2	d3	le	L	Z	s	Ağırlık Weight	Kutu Box
mm		mm	mm	mm	mm	mm	mm	mm	kg	(adet/pcs)
63	001 115 0103 0063	78	100		88	14	120	3,8	0,160	60
75	001 115 0103 0075	92	119		97	16	130	4,5	0,240	60
90	001 115 0103 0090	108	132		106	17	140	5,4	0,330	45
*560	001 115 5103 0560	580	654	570	235	80	423	33,2	24,170	1
*630	001 115 5103 0630	650	710	585	255	50	404	37,4	29,400	1
*900	001 115 5103 0900	940	1005	880	345	60	507	53,3	73,200	1
*1000	001 115 5103 1000	1040	1112	964	379	65	557	59,3	100,500	1
*/*1200	001 115 5103 1200	1240	1320	1145	447	75	620	71,2	170,500	1

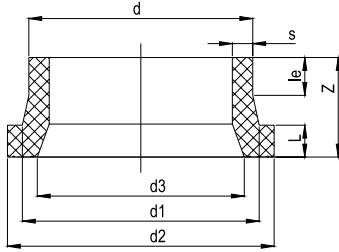
FLANŞ ADAPTÖRÜ (ANSI FLANŞ UYUMLU) PE 100 SDR11

FLANGE ADAPTOR (SUITABLE FOR ANSI FLANGE) PE 100 SDR11



Enjeksiyon / Injected
Kısa tip / Short Spigot
Kelebek vanaya uyumlu / Suitable for butterfly valve
ANSI flanşa uygun / Suitable for ANSI flange
*Kelebek vana için spacer gerekli / Needs spacer for butterfly valve

10 bar Gaz - 16 bar Su / 10 bar Gas - 16 bar Water



d	Ürün Kodu Article No	d1	d2	d3	le	L	Z	s	Ağırlık Weight	Kutu Box
mm		mm	mm	mm	mm	mm	mm	mm	kg	(adet/pcs)
*560	001 117 1103 0560	580	654	549	43	80	180	50.9	19.200	1
630	001 117 1103 0630	650	710	576	45	65	140	57.3	16.600	1

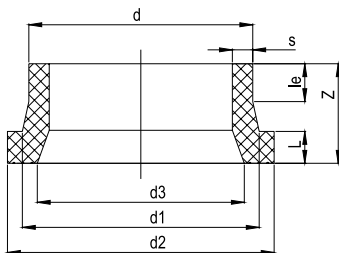
FLANŞ ADAPTÖRÜ (ANSI FLANŞ UYUMLU) PE 100 SDR17

FLANGE ADAPTOR (SUITABLE FOR ANSI FLANGE) PE 100 SDR17



Enjeksiyon / Injected
Kısa tip / Short Spigot
Kelebek vanaya uyumlu / Suitable for butterfly valve
ANSI flanşa uygun / Suitable for ANSI flange
*Kelebek vana için spacer gerekli / Needs spacer for butterfly valve

5 bar Gaz - 10 bar Su / 5 bar Gas - 10 bar Water



d	Ürün Kodu Article No	d1	d2	d3	le	L	Z	s	Ağırlık Weight	Kutu Box
mm		mm	mm	mm	mm	mm	mm	mm	kg	(adet/pcs)
560	001 115 1103 0560	580	654	570	43	80	180	33,2	12,930	1
630	001 115 1103 0630	650	710	585	45	50	120	37,4	11,200	1
900	001 115 1103 0900	940	1005	880	45	60	150	53,3	25,500	1
1000	001 115 1103 1000	1040	1112	964	45	65	165	59,3	35,000	1
*1200	109 115 1103 1200	1240	1320	1145	31	75	172	71,2	62,000	1

%30 CAM ELYAF TAKVİYELİ PP KAPLI ÇELİK FLANŞ, METRİK**PP 30% GLASS-FIBRE PP COVERED FLANGE WITH STEEL CORE, METRIC****%30 CAM ELYAF TAKVİYELİ PP KAPLI ÇELİK FLANŞ, ANSI****PP 30% GLASS-FIBRE PP COVERED FLANGE WITH STEEL CORE, ANSI**

Enjeksiyon ile PP kaplama
Korozyona dayanım, her türlü kimyasal saha ve endüstrisinde uygulama
Açık alanlarda kullanım, UV dayanımlı
Daimi yüklerde yüksek fonksiyonel güvenlik
80 °C ye kadar sıcaklıklarda kullanım (şartlara bağlı olarak)
Kontrollü montajda deforme olmaz, yüksek eğilme mukavemetli
Paslanmaz çeliğe göre fiyat avantajı

Injection moulded PP coating
No corrosion by diffusion, suitable for all types of chemical fields and industries
Applicable for outside applications, UV-resistant
High operational reliability at permanent load
Operating temperatures up to 80 °C (subject to condition)
No deformation by controlled torque, high bending strength
Price-wise competitiveness over stainless steel

PP KAPLI ÇELİK FLANŞ, METRİK

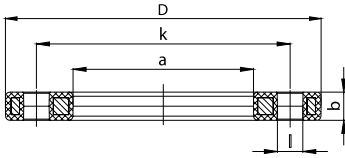
BACKING FLANGE, PP-STEEL METRIC



%30 Camelyaf takviyeli PP kaplı çelik flanş /
PP 30% Glass-fibre Reinforced with steel ring
UV dayanımlı dış ortamda kullanıma uygun / UV-Resistant suitable for outdoor use
Bağlantı ölçüsü ISO 7005, EN 1092, BS 4504, DIN 2501 /
Connecting dimension ISO 7005, EN 1092, BS 4504, DIN 2501

Civata delik eksenini PN16 / Bolt circle PN16

d	DN	Ürün Kodu Article No	D	a	k	b	ı	Civata Bolt	Delik adedi Hole Qty	Ağırlık Weight	Kutu Box
mm	mm		mm	mm	mm	mm	mm	mm	mm	kg	(adet/pcs)
20	15	001 517 7120 0020	95	28	65	12	14	M12	4	0,232	85
25	20	001 517 7120 0025	105	34	75	12	14	M12	4	0,288	68
32	25	001 517 7120 0032	115	42	85	16	14	M12	4	0,544	52
40	32	001 517 7120 0040	140	51	100	16	18	M16	4	0,836	20
50	40	001 517 7120 0050	150	62	110	18	18	M16	4	0,902	15
63	50	001 517 7120 0063	165	78	125	18	18	M16	4	1,074	15
75	65	001 517 7120 0075	188	92	145	18	18	M16	4	1,368	15
90	80	001 517 7120 0090	204	108	160	20	18	M16	8	1,516	10
110	100	001 517 7120 0110	224	128	180	20	18	M16	8	1,960	10
125	100	001 517 7120 0125	224	135	180	20	18	M16	8	1,938	10
140	125	001 517 7120 0140	252	158	210	24	18	M16	8	2,866	6
160	150	001 517 7120 0160	285	178	240	24	22	M20	8	3,576	6
180	150	001 517 7120 0180	285	188	240	24	22	M20	8	3,298	6
200	200	001 517 7120 0200	340	235	295	27	22	M20	12	5,032	4
225	200	001 517 7120 0225	340	238	295	27	22	M20	12	4,900	4
250	250	001 517 7120 0250	419	288	355	32	26	M24	12	10,182	2
280	250	001 517 7120 0280	419	294	355	32	26	M24	12	9,860	2
315	300	001 517 7120 0315	478	338	410	34	26	M24	12	13,150	2
355	350	001 517 7120 0355	532	376	470	42	26	M24	16	22,200	1
400	400	001 517 7120 0400	592	430	525	46	30	M27	16	26,214	1



PP KAPLI ÇELİK FLANŞ, METRİK

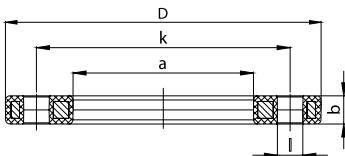
BACKING FLANGE, PP-STEEL METRIC



%30 Camelyaf takviyeli PP kaplı çelik flanş /
PP 30% Glass-fibre Reinforced with steel ring
UV dayanımlı dış ortamda kullanıma uygun / UV-Resistant suitable for outdoor use
Bağlantı ölçüsü ISO 7005, EN 1092, BS 4504, DIN 2501 /
Connecting dimension ISO 7005, EN 1092, BS 4504, DIN 2501

Civata delik eksenini PN10 / Bolt circle PN10

d	DN	Ürün Kodu Article No	D	a	k	b	ı	Civata Bolt	Delik adedi Hole Qty	Ağırlık Weight	Kutu Box
mm	mm		mm	mm	mm	mm	mm	mm	mm	kg	(adet/pcs)
200	200	001 515 7120 0200	340	235	295	27	22	M20	8	5,318	4
225	200	001 515 7120 0225	340	238	295	27	22	M20	8	5,500	4
250	250	001 515 7120 0250	395	288	350	30	22	M20	12	6,962	4
280	250	001 515 7120 0280	395	294	350	30	22	M20	12	7,092	4
315	300	001 515 7120 0315	445	338	400	34	22	M20	12	9,428	2
355	350	001 515 7120 0355	514	376	460	40	22	M20	16	19,285	1
400	400	001 515 7120 0400	571	430	515	40	26	M24	16	21,370	1
450	500	001 515 7120 0450	678	517	620	45	26	M24	20	34,520	1
500	500	001 515 7120 0500	688	533	620	45	26	M24	20	34,000	1
560	600	001 515 7120 0560	799	618	725	50	30	M27	20	49,000	1
630	600	001 515 7120 0630	799	645	725	50	30	M27	20	40,000	1



PP KAPLI ÇELİK FLANŞ, ANSI

BACKING FLANGE, PP-STEEL ANSI



%30 Camelyaf takviyeli PP kaplı çelik flanş /

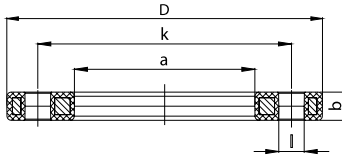
PP 30% Glass-fibre Reinforced with steel ring

UV dayanımlı dış ortamda kullanıma uygun / UV-Resistant suitable for outdoor use

Bağlantı ölçüsü ANSI ASME B16.5 class 150, ASTM D4024, BS 1560, BS EN 1759 /

Connecting dimension ANSI ASME B16.5 class 150, ASTM D4024, BS 1560, BS EN 1759

Civata delik eksenî sınıf 150 / Bolt circle class 150



d	DN	inch	Ürün Kodu Article No	D	a	k	b	ı	Civata Bolt	Delik adedi Hole Qty	Ağırlık Weight	Kutu Box
mm	mm			mm	mm	mm	mm	mm	mm	mm	kg	(adet/pcs)
20	15	½"	001 530 7121 0020	95	28	60,5	12	16	M12	4	0,200	85
25	20	¾"	001 530 7121 0025	102	34	69,9	12	16	M12	4	0,024	68
32	25	1"	001 530 7121 0032	114	42	79,3	16	16	M12	4	0,490	52
40	32	1¼"	001 530 7121 0040	130	51	88,9	16	16	M12	4	0,670	20
50	40	1½"	001 530 7121 0050	133	62	98,6	18	16	M12	4	0,640	15
63	50	2"	001 530 7121 0063	165	78	120,6	18	20	M16	4	1,020	15
75	65	2½"	001 530 7121 0075	184	92	139,7	18	20	M16	4	1,310	15
90	80	3"	001 530 7121 0090	194	111	152,4	20	20	M16	4	1,420	10
110	100	4"	001 530 7121 0110	229	133	190,5	20	20	M16	8	1,920	10
160	150	6"	001 530 7121 0160	283	178	241,3	24	22	M20	8	3,750	6
180	150	6"	001 530 7121 0180	285	188	241,3	24	22	M20	8	3,298	6
200	200	8"	001 530 7121 0200	345	236	298,5	27	22	M20	8	6,040	4
250	250	10"	001 530 7121 0250	412	288	361,9	32	32	M22	12	9,740	2
315	300	12"	001 530 7121 0315	487	338	431,8	32	25	M22	12	15,380	2
355	350	14"	001 530 7121 0355	533	376	476,2	42	28,5	M27	12	24,940	1
400	400	16"	001 530 7121 0400	596	430	539,7	44	28,5	M27	16	34,770	1



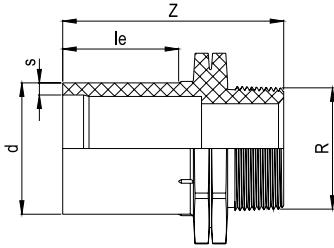
PE GEÇİŞ ADAPTÖRÜ

TRANSITION ADAPTOR PE

DIŞ DIŞLI PE 100 SDR11 / MALE THREAD PE 100 SDR11

Enjeksiyon / Injected
Uzun tip / Long Spigot

10 bar Su / 10 bar Water



d	R	Ürün Kodu Article No	le	Z	s	Ağırlık Weight	Kutu Box
mm	inch		mm	mm	mm	kg	(adet/pcs)
20	½"	001 117 6210 0020	34	65	3,0	0,020	100
25	¾"	001 117 6210 0025	33	65	3,0	0,023	100
32	1"	001 117 6210 0032	38	73	3,0	0,040	90
40	1"	001 117 6210 4001	44	80	3,7	0,060	100
40	1¼"	001 117 6210 0040	44	83	3,7	0,065	100
50	1½"	001 117 6210 0050	48	87	4,6	0,092	100
63	1½"	001 117 6210 6301	62	101	5,8	0,156	60
63	2"	001 117 6210 0063	62	106	5,8	0,166	60

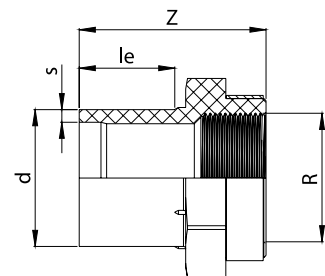
PE GEÇİŞ ADAPTÖRÜ

TRANSITION ADAPTOR PE

İÇ DIŞLI PE 100 SDR11 / FEMALE THREAD PE 100 SDR11

Enjeksiyon / Injected
Uzun tip / Long Spigot
Paslanmaz yüzük takviyeli / Reinforcing ring stainless

10 bar Su / 10 bar Water



d	R	Ürün Kodu Article No	le	Z	s	Ağırlık Weight	Kutu Box
mm	inch		mm	mm	mm	kg	(adet/pcs)
20	½"	001 117 6211 0020	34	59	3,0	0,020	100
25	¾"	001 117 6211 0025	34	61	3,0	0,023	100
32	1"	001 117 6211 0032	37	68	3,0	0,045	90
40	1"	001 117 6211 4001	41	72	3,7	0,070	100
40	1¼"	001 117 6211 0040	42	79	3,7	0,065	100
50	1½"	001 117 6211 0050	49	86	4,6	0,105	100
63	1½"	001 117 6211 6301	49	86	5,8	0,180	60
63	2"	001 117 6211 0063	48	90	5,8	0,156	60

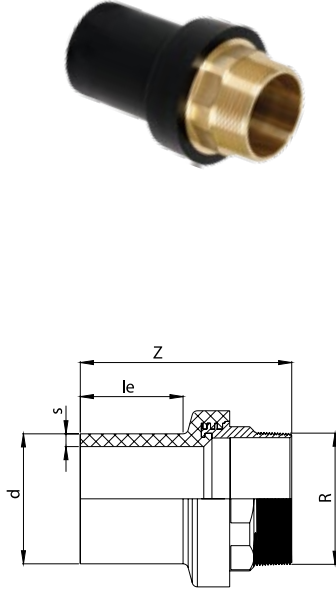
PE-PİRİNÇ GEÇİŞ ADAPTÖRÜ

TRANSITION ADAPTOR PE-BRASS (MS58)

DIŞ DIŞLI PE 100 SDR11 / MALE THREAD PE 100 SDR11

Enjeksiyon / Injected
Uzun tip / Long Spigot

16 bar Su / 16 bar Water



d	R	Ürün Kodu Article No	Z	le	s	Ağırlık Weight	Kutu Box
mm	inch		mm	mm	mm	kg	(adet/pcs)
20	½"	001 117 6200 0020	90	41	3,0	0,084	100
25	¾"	001 117 6200 0025	84	41	3,0	0,104	75
32	1"	001 117 6200 0032	103	44	3,0	0,208	50
40	1¼"	001 117 6200 0040	122	49	3,7	0,310	25
50	1½"	001 117 6200 0050	121	55	4,6	0,398	25
63	2"	001 117 6200 0063	140	63	5,8	0,578	10
75	2½"	001 117 6200 0075	146	70	6,8	0,982	9
90	3"	001 117 6200 0090	168	79	8,2	1,380	5
110	4"	001 117 6200 0110	179	82	10,0	2,030	2
125	4"	001 117 6200 0125	186	87	11,4	2,226	2

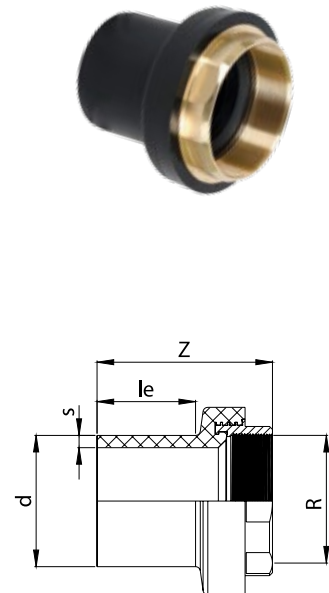
PE-PİRİNÇ GEÇİŞ ADAPTÖRÜ

TRANSITION ADAPTOR PE-BRASS (MS58)

İÇ DIŞLI PE 100 SDR11 / FEMALE THREAD PE 100 SDR11

Enjeksiyon / Injected
Uzun tip / Long Spigot

16 bar Su / 16 bar Water



d	R	Ürün Kodu Article No	Z	le	s	Ağırlık Weight	Kutu Box
mm	inch		mm	mm	mm	kg	(adet/pcs)
20	½"	001 117 6201 0020	72	41	3,0	0,058	100
25	¾"	001 117 6201 0025	72	41	3,0	0,072	98
32	1"	001 117 6201 0032	84	44	3,0	0,152	48
40	1¼"	001 117 6201 0040	98	49	3,7	0,318	18
50	1½"	001 117 6201 0050	101	55	4,6	0,304	18
63	2"	001 117 6201 0063	115	63	5,8	0,386	16
75	2½"	001 117 6201 0075	129	70	6,8	0,828	9
90	3"	001 117 6201 0090	144	79	8,2	1,122	5
110	4"	001 117 6201 0110	147	82	10,0	1,732	4
125	4"	001 117 6201 0125	153	87	11,4	1,806	2

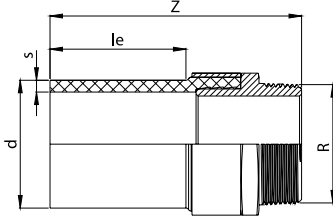
PE-PİRİNÇ GEÇİŞ ADAPTÖRÜ

TRANSITION ADAPTOR PE-BRASS (MS58)

DIŞ DIŞLİ PE 100 SDR11 / MALE THREAD PE 100 SDR11

Enjeksiyon / Injected
Uzun tip / Long Spigot

10 bar Gaz - 16 bar Su / 10 bar Gas - 16 bar Water



d	R	Ürün Kodu Article No	Z	le	s	Ağırlık Weight	Kutu Box
mm	inch		mm	mm	mm	kg	(adet/pcs)
20	½"	001 117 6205 0020	76	41	3,0	0,069	100
25	¾"	001 117 6205 0025	79	41	3,0	0,099	75
32	1"	001 117 6205 0032	86	44	3,0	0,150	50
40	1¼"	001 117 6205 0040	101	49	3,7	0,270	25
50	1½"	001 117 6205 0050	112	55	4,6	0,400	25
63	2"	001 117 6205 0063	125	63	5,8	0,540	10

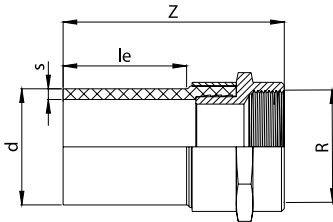
PE-PİRİNÇ GEÇİŞ ADAPTÖRÜ

TRANSITION ADAPTOR PE-BRASS (MS58)

İÇ DIŞLİ PE 100 SDR11 / FEMALE THREAD PE 100 SDR11

Enjeksiyon / Injected
Uzun tip / Long Spigot

10 bar Gaz - 16 bar Su / 10 bar Gas - 16 bar Water



d	R	Ürün Kodu Article No	Z	le	s	Ağırlık Weight	Kutu Box
mm	inch		mm	mm	mm	kg	(adet/pcs)
20	½"	001 117 6206 0020	75	41	3,0	0,076	100
25	¾"	001 117 6206 0025	78	41	3,0	0,104	98
32	1"	001 117 6206 0032	85	44	3,0	0,154	48
40	1¼"	001 117 6206 0040	100	49	3,7	0,270	18
50	1½"	001 117 6206 0050	111	55	4,6	0,380	18
63	2"	001 117 6206 0063	124	63	5,8	0,540	16

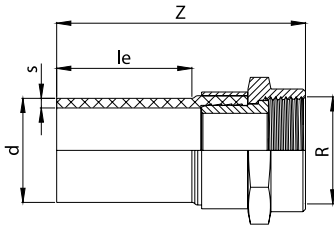
PE-PİRİNÇ GEÇİŞ ADAPTÖRÜ

TRANSITION ADAPTOR PE-BRASS (MS58)

SERBEST SOMUN PE 100 SDR11 / LOOSE NUT PE 100 SDR11

Enjeksiyon / Injected
Uzun tip / Long Spigot

16 bar Su / 16 bar Water



d	R	Ürün Kodu Article No	Z	le	s	Ağırlık Weight	Kutu Box
mm	inch		mm	mm	mm	kg	(adet/pcs)
20	½"	001 117 6207 0020	78	41	3,0	0,086	100
25	¾"	001 117 6207 0025	77	41	3,0	0,113	98
32	1"	001 117 6207 0032	85	44	3,0	0,184	48
40	1¼"	001 117 6207 0040	97	49	3,7	0,289	18
50	1½"	001 117 6207 0050	112	55	4,6	0,452	18
63	2"	001 117 6207 0063	122	63	5,8	0,660	16

PE-ÇELİK GEÇİŞ ADAPTÖRÜ

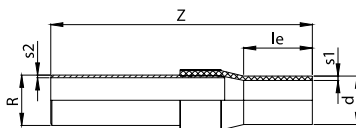
TRANSITION ADAPTOR PE-STEEL

PE 100 SDR11 / GR-B

Uzun tip / Long Spigot

Çelik boru GR-B API 5L EN10208-1'e uygun, korozyona karşı epoksi veya PE kaplı /
Steel pipe GR-B API 5L EN10208-1, epoxy or PE coated for corrosion resistance
Kaynak ağızlı / Welding end

10 bar Gaz - 16 bar Su / 10 bar Gas - 16 bar Water



d	R	Ürün Kodu Article No	le	Z	s1	s2	Ağırlık Weight	Kutu Box
mm	inch		mm	mm	mm	mm	kg	(adet/pcs)
25	¾"	001 117 6180 0025	43	396	3,0	2,9	0,650	30
32	1"	001 117 6180 0032	100	440	3,0	3,4	0,950	16
40	1¼"	001 117 6180 0040	57	404	3,7	3,6	1,310	9
50	1½"	001 117 6180 0050	62	420	4,6	3,7	1,570	9
63	2"	001 117 6180 0063	106	483	5,8	3,9	2,450	9
75	2½"	001 117 6180 0075	70	474	6,8	5,2	3,710	4
90	3"	001 117 6180 0090	83	482	8,2	5,5	5,110	4
110	4"	001 117 6180 0110	156	583	10,0	6,0	7,760	2
125	4"	001 117 6180 0125	92	525	11,4	6,0	7,670	2
125	6"	001 117 6180 1256	170	666	11,4	7,1	14,900	1
160	6"	001 117 6180 0160	110	592	14,6	7,1	14,744	1
180	6"	001 117 6180 0180	110	591	16,4	7,1	15,480	1
200	8"	001 117 6180 0200	112	675	18,2	8,2	44,510	1
225	8"	001 117 6180 0225	120	675	20,5	8,2	44,840	1
250	10"	001 117 6180 0250	129	765	22,7	9,3	71,890	1
280	10"	001 117 6180 0280	139	745	25,4	9,3	72,080	1
315	12"	001 117 6180 0315	150	850	28,6	9,5	106,370	1

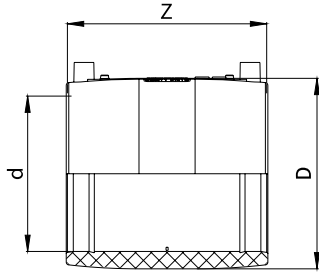
EF MANŞON PE 100 SDR11

EF COUPLER PE 100 SDR11



Enjeksiyon (400mm'ye kadar) / Injected (up to 400mm)
 4mm bağlantı kontaktları / 4mm pin connectors
 Kırılabilir orta stopper (400mm'ye kadar) /
 Removable center stopper (up to 400mm)
 Borudan üretim (450-1200mm) / Machined from pipe (450-1200mm)
 *İki kaynak bölgesi / Bifilar welding zone
 75-400 arası SDR11 ve SDR17'ye uygundur / Weldable for SDR11 and SDR17 between 75-400

10 bar Gaz - 16 bar Su / 10 bar Gas - 16 bar Water

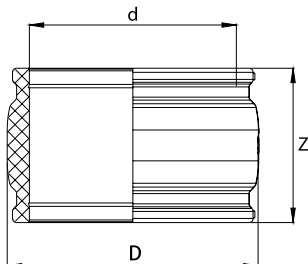


d	Ürün Kodu Article No	D	Z	Ağırlık Weight	Kutu Box
mm		mm	mm	kg	(adet/pcs)
20	101 117 2160 0020	29	77	0,033	80
25	101 117 2160 0025	34	77	0,037	80
32	101 117 2160 0032	43	77	0,057	75
40	101 117 2160 0040	52	90	0,080	90
50	101 117 2160 0050	62	91	0,096	70
63	001 117 2160 0063	80	98	0,164	18
75	001 117 2160 0075	94	110	0,221	16
90	001 117 2160 0090	111	124	0,378	12
110	001 117 2160 0110	136	144	0,652	15
125	001 117 2160 0125	151	154	0,769	16
140	001 117 2160 0140	169	162	0,944	12
160	001 117 2160 0160	193	172	1,327	10
180	001 117 2160 0180	217	184	1,907	8
200	001 117 2160 0200	241	198	2,445	4
225	001 117 2160 0225	271	212	3,269	4
250	001 117 2160 0250	304	228	4,391	2
280	001 117 2160 0280	340	244	6,080	1
315	001 117 2160 0315	380	264	7,940	1
355	001 117 2160 0355	433	280	10,330	1
400	001 117 2160 0400	488	300	14,320	1
450	109 117 2160 0450	560	320	19,100	1
*500	109 117 2160 0500	621	360	27,860	1
*560	109 117 2160 0560	695	390	38,800	1
*630	109 117 2160 0630	780	430	52,200	1
*710	109 117 2160 0710	882	475	72,450	1
*800	109 117 2160 0800	993	520	102,490	1
*900	109 117 2160 0900	1115	550	137,930	1
*1000	109 117 2160 1000	1238	600	193,500	1
*1200	109 117 2160 1200	1483	650	285,600	1

EF MANŞON PE 100 SDR17

EF COUPLER PE 100 SDR17

Borudan üretim / Machined from pipe
 4mm bağlantı kontaktları / 4mm pin connectors
 İki kaynak bölgesi / Bifilar welding zone
 *Tek kaynak bölgesi / Monofilar welding zone



d	Ürün Kodu Article No	D	Z	Ağırlık Weight	Kutu Box
mm		mm	mm	kg	(adet/pcs)
*450	101 115 2160 0450	520	320	14,800	1
500	101 115 2160 0500	577	360	20,100	1
560	101 115 2160 0560	645	390	27,500	1
630	101 115 2160 0630	724	430	37,800	1
710	109 115 2160 0710	819	475	49,370	1
800	109 115 2160 0800	921	520	69,180	1
900	109 115 2160 0900	1035	550	93,150	1
1000	109 115 2160 1000	1149	600	125,650	1
1200	109 115 2160 1200	1376	650	196,450	1

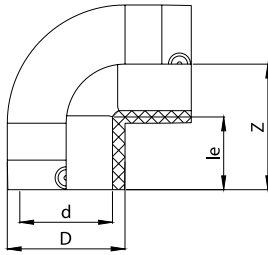
EF DİRSEK 90° PE 100 SDR11

EF ELBOW 90° PE 100 SDR11

Enjeksiyon / Injected
4mm bağlantı kontaktları / 4mm pin connectors



10 bar Gaz - 16 bar Su / 10 bar Gas - 16 bar Water



d	Ürün Kodu Article No	D	Z	le	Ağırlık Weight	Kutu Box
mm		mm	mm	mm	kg	(adet/pcs)
20	101 117 2021 0020	43	63	40	0,150	40
25	101 117 2021 0025	35	60	41	0,060	100
32	101 117 2021 0032	44	62	40	0,100	80
40	101 117 2021 0040	52	65	42	0,120	55
50	101 117 2021 0050	63	72	45	0,170	50
63	101 117 2021 0063	81	84	50	0,310	25
75	101 117 2021 0075	95	92	53	0,440	16
90	101 117 2021 0090	113	109	60	0,680	15
110	101 117 2021 0110	137	135	73	1,150	6
125	101 117 2021 0125	154	152	78	1,640	6
160	101 117 2021 0160	201	205	87	5,000	2
180	101 117 2021 0180	222	197	90	4,120	2

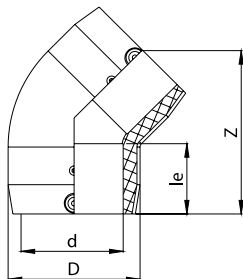
EF DİRSEK 45° PE 100 SDR11

EF ELBOW 45° PE 100 SDR11

Enjeksiyon / Injected
4mm bağlantı kontaktları / 4mm pin connectors



10 bar Gaz - 16 bar Su / 10 bar Gas - 16 bar Water



d	Ürün Kodu Article No	D	Z	le	Ağırlık Weight	Kutu Box
mm		mm	mm	mm	kg	(adet/pcs)
32	101 117 2022 0032	44	99	40	0,080	100
40	101 117 2022 0040	53	108	41.5	0,100	70
50	101 117 2022 0050	63	124	44.5	0,130	50
63	101 117 2022 0063	78.5	137	50	0,230	30
75	101 117 2022 0075	94	153	53	0,350	20
90	101 117 2022 0090	117	177	60	0,550	18
110	101 117 2022 0110	137	213	75	0,930	10
125	101 117 2022 0125	154	240	79	1,250	6
160	101 117 2022 0160	201	283	89	4,500	2
180	101 117 2022 0180	222	299	90	3,130	2

EF 90° EŞİT TE PE 100 SDR11

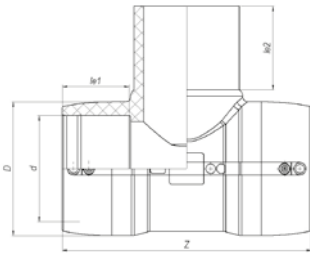
EF TEE 90°, EQUAL PE 100 SDR11



Enjeksiyon / Injected

4mm bağlantı kontaktları / 4mm pin connectors

10 bar Gaz - 16 bar Su / 10 bar Gas - 16 bar Water



d	Ürün Kodu Article No	D	Z	L	le1	le2	Ağırlık Weight	Kutu Box
mm		mm	mm	mm	mm	mm	kg	(adet/pcs)
20	101 117 2041 0020	44	98	90	35	65	0,140	50
25	101 117 2041 0025	44	98	90	35	65	0,130	50
32	101 117 2041 0032	44	98	90	35	65	0,110	50
40	101 117 2041 0040	52	131	91	44	59	0,160	18
50	001 117 2041 0050	64	138	96	43	55	0,190	25
63	001 117 2041 0063	82	164	113	49	63	0,360	20
75	001 117 2041 0075	95	189	129	55	70	0,550	14
90	001 117 2041 0090	112	210	148	65	79	0,820	16
110	001 117 2041 0110	139	260	169	72	82	1,450	6
125	001 117 2041 0125	160	268	182	77	87	2,240	4
160	001 117 2041 0160	195	320	210	86	98	3,340	2
180	001 117 2041 0180	230	340	230	88	105	5,300	2

EF 90° İNEĞAL TE PE 100 SDR11

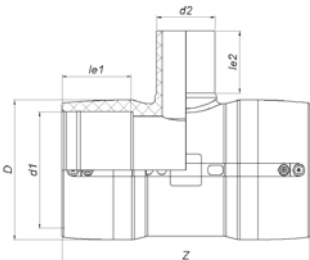
EF 90° TEE, REDUCED PE 100 SDR11



Enjeksiyon / Injected

4mm bağlantı kontaktları / 4mm pin connectors

10 bar Gaz - 16 bar Su / 10 bar Gas - 16 bar Water



d1	d2	Ürün Kodu Article No	D	Z	L	le1	le2	Ağırlık Weight	Kutu Box
mm	mm		mm	mm	mm	mm	mm	kg	(adet/pcs)
50	40	001 117 2042 0051	64	138	89	43	49	0,300	25
63	50	001 117 2042 0064	82	164	105	49	55	0,330	20
63	40	001 117 2042 0065	82	164	98	49	49	0,310	20
63	32	001 117 2042 0066	82	164	92	49	44	0,300	20
75	63	001 117 2042 0076	95	189	122	55	63	0,520	14
90	63	001 117 2042 0092	112	210	132	65	63	0,740	16
110	90	001 117 2042 0111	139	260	165	72	79	1,330	6
110	63	001 117 2042 0113	139	260	149	72	63	1,220	6
125	110	001 117 2042 0126	160	268	175	77	82	1,630	4
125	90	001 117 2042 0127	160	268	171	77	79	1,550	4
125	63	001 117 2042 0129	160	268	150	77	63	1,440	4
160	110	001 117 2042 0163	195	320	191	86	82	2,890	2
160	90	001 117 2042 0164	195	320	185	86	79	2,790	2
160	63	001 117 2042 0166	195	320	168	86	63	2,700	2
180	125	001 117 2042 0183	230	340	207	88	87	3,830	2

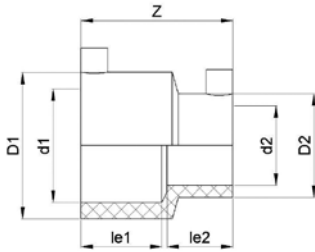
EF REDÜKSİYON PE 100 SDR11

EF REDUCER PE 100 SDR11

Enjeksiyon / Injected

4mm bağlantı kontaktları / 4mm pin connectors

10 bar Gaz - 16 bar Su / 10 bar Gas - 16 bar Water



d1	d2	Ürün Kodu Article No	D1	D2	le1	le2	Z	Ağırlık Weight	Kutu Box
mm	mm		mm	mm	mm	mm	mm	kg	(adet/pcs)
25	20	101 117 2080 0026	34	29	38	36	77	0,035	75
32	25	101 117 2080 0033	43	34	39	37	77	0,052	75
32	20	101 117 2080 0034	43	29	39	37	77	0,048	75
40	32	101 117 2080 0041	52	44	46	43	91	0,080	100
50	40	101 117 2080 0051	62	52	46	43	91	0,100	80
50	32	101 117 2080 0052	62	44	46	41	91	0,090	80
63	50	101 117 2080 0064	78	62	52	48	102	0,150	60
63	40	101 117 2080 0065	78	52	52	45	102	0,140	60
63	32	101 117 2080 0066	78	44	52	44	102	0,140	60
75	63	101 117 2080 0076	98	82	61	57	126	0,440	28
90	63	101 117 2080 0092	110	79	61	55	123	0,300	35
110	90	101 117 2080 0111	134	112	68	62	137	0,550	20
110	63	001 117 2080 0113	135	80	71	53	158	0,540	24
125	90	101 117 2080 0127	152	112	75	62	145	0,700	12
160	110	101 117 2080 0163	200	140	89	73	184	1,640	6
160	90	101 117 2080 0164	187	116	92	67	175	1,510	6
180	125	101 117 2080 0183	216	157	115	90	221	2,090	4



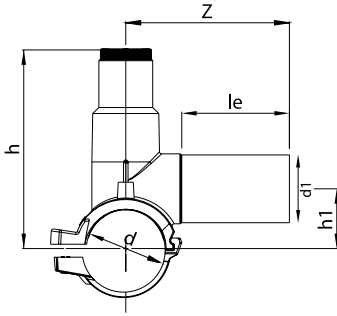
EF SERVİS TE PE 100 SDR11

EF TAPPING SADDLE PE 100 SDR11



Enjeksiyon monoblok tip / Injected monoblock type
 4mm bağlantı kontaktları / 4mm pin connectors
 Uzun spigot çıkış / Long spigot outlet
 12 allen anahtar / Hexagon wrench 12mm
 O-ringli sızdırmaz kapak / O-ring sealed leakproof cap
 Delici uçları paslanmazdır / Stainless steel cutters

10 bar Gaz - 16 bar Su / 10 bar Gas - 16 bar Water



d	d1	Ürün Kodu Article No	le	h	h1	Z	Ağırlık Weight	Kutu Box
mm	mm		mm	mm	mm	mm	kg	(adet/pcs)
40	32	001 117 2071 0041	76	135	38	114	0,333	20
40	25	001 117 2071 0042	75	135	38	114	0,323	20
40	20	001 117 2071 0043	67	135	38	104	0,313	20
50	32	001 117 2071 0052	76	135	43	117	0,333	20
50	25	001 117 2071 0053	75	135	43	113	0,323	20
50	20	001 117 2071 0054	64	135	43	105	0,313	20
63	63	001 117 2071 0063	107	180	51	149	0,675	18
63	50	001 117 2071 0064	92	180	51	138	0,628	20
63	40	001 117 2071 0065	85	180	51	126	0,593	20
63	32	001 117 2071 0066	76	180	51	117	0,588	20
63	25	001 117 2071 0067	75	180	51	116	0,578	20
63	20	001 117 2071 0068	75	180	51	116	0,578	20
75	63	001 117 2071 0076	107	186	56	152	0,697	15
75	50	001 117 2071 0077	92	186	56	140	0,644	15
75	40	001 117 2071 0078	82	186	56	126	0,624	15
75	32	001 117 2071 0079	76	186	56	118	0,597	15
75	25	001 117 2071 0080	75	186	56	117	0,590	15
75	20	001 117 2071 0081	75	186	56	113	0,590	15
90	63	001 117 2071 0092	100	195	65	160	0,788	12
90	50	001 117 2071 0093	92	195	65	148	0,730	12
90	40	001 117 2071 0094	85	195	65	136	0,696	12
90	32	001 117 2071 0095	76	195	65	120	0,680	12
90	25	001 117 2071 0096	75	195	65	120	0,680	12
90	20	001 117 2071 0097	75	195	65	120	0,680	12
110	63	001 117 2071 0113	100	200	75	165	0,836	10
110	50	001 117 2071 0114	92	200	75	156	0,786	10
110	40	001 117 2071 0115	84	200	75	140	0,756	10
110	32	001 117 2071 0116	76	200	75	126	0,726	10
110	25	001 117 2071 0117	75	200	75	120	0,716	10
110	20	001 117 2071 0118	75	200	75	120	0,716	10
125	63	001 117 2071 0129	100	212	82	170	0,882	8
125	50	001 117 2071 0130	92	212	82	160	0,819	8
125	40	001 117 2071 0131	85	212	82	143	0,782	8
125	32	001 117 2071 0132	76	212	82	129	0,757	8
125	25	001 117 2071 0133	75	212	82	120	0,757	8
125	20	001 117 2071 0134	75	212	82	120	0,757	8
140	63	001 117 2071 0145	100	238	95	182	0,976	6
140	50	001 117 2071 0146	92	238	95	164	0,926	6
140	40	001 117 2071 0147	85	238	95	150	0,859	6

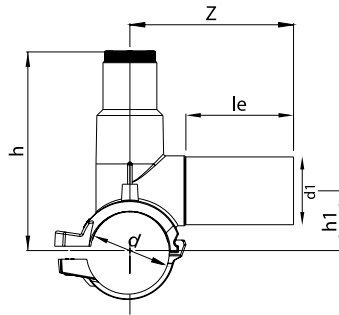
EF SERVİS TE PE 100 SDR11

EF TAPPING SADDLE PE 100 SDR11



Enjeksiyon monoblok tip / Injected monoblock type
 4mm bağlantı kontaktları / 4mm pin connectors
 Uzun spigot çıkış / Long spigot outlet
 12 allen anahtar / Hexagon wrench 12mm
 O-ringli sızdırmaz kapak / O-ring sealed leakproof cap
 Delici uçları paslanmazdır / Stainless steel cutters

10 bar Gaz - 16 bar Su / 10 bar Gas - 16 bar Water



d	d1	Ürün Kodu Article No	le	h	h1	Z	Ağırlık Weight	Kutu Box
mm	mm		mm	mm	mm	mm	kg (adet/pcs)	
140	32	001 117 2071 0148	76	238	95	134	0,826	6
140	25	001 117 2071 0149	75	238	95	126	0,826	6
140	20	001 117 2071 0150	75	238	95	125	0,809	6
160	63	001 117 2071 0166	100	247	105	185	0,993	6
160	50	001 117 2071 0167	92	247	105	171	0,926	6
160	40	001 117 2071 0168	85	247	105	156	0,893	6
160	32	001 117 2071 0169	76	247	105	141	0,893	6
160	25	001 117 2071 0170	75	247	105	127	0,893	6
160	20	001 117 2071 0171	75	247	105	124	0,859	6
180	63	001 117 2071 0187	100	250	115	192	1,031	5
180	50	001 117 2071 0188	92	250	115	175	0,971	5
180	40	001 117 2071 0189	85	250	115	160	0,931	5
180	32	001 117 2071 0190	76	250	115	143	0,911	5
180	25	001 117 2071 0191	75	250	115	127	0,891	5
180	20	001 117 2071 0192	75	250	115	127	0,871	5
200	63	001 117 2071 0208	100	268	125	194	1,114	4
200	50	001 117 2071 0209	92	268	125	173	1,064	4
200	40	001 117 2071 0210	84	268	125	160	0,989	4
200	32	001 117 2071 0211	76	268	125	146	0,989	4
200	25	001 117 2071 0212	75	268	125	137	0,964	4
200	20	001 117 2071 0213	75	268	125	126	0,939	4
225	63	001 117 2071 0234	100	281	137	195	1,164	4
225	50	001 117 2071 0235	92	281	137	181	1,139	4
225	40	001 117 2071 0236	83	281	137	165	1,064	4
225	32	001 117 2071 0237	76	281	137	148	1,039	4
225	25	001 117 2071 0238	75	281	137	130	1,014	4
225	20	001 117 2071 0239	75	281	137	125	1,014	4
250	63	001 117 2071 0260	100	321	217	145	1,302	4
250	50	001 117 2071 0261	92	321	217	135	1,298	4
250	40	001 117 2071 0262	85	321	217	135	1,298	4
250	32	001 117 2071 0263	76	321	217	123	1,280	4
250	25	001 117 2071 0264	75	321	217	123	1,272	4
250	20	001 117 2071 0265	75	321	217	123	1,268	4
*280/315	63	001 117 2071 0327	100	358	254	145	1,302	4
*280/315	50	001 117 2071 0328	92	358	254	135	1,298	4
*280/315	40	001 117 2071 0329	83	358	254	135	1,298	4
*280/315	32	001 117 2071 0330	76	358	254	123	1,280	4
*280/315	25	001 117 2071 0331	75	358	254	123	1,272	4
*280/315	20	001 117 2071 0332	75	358	254	123	1,268	4

*Sadece su için / Only for water

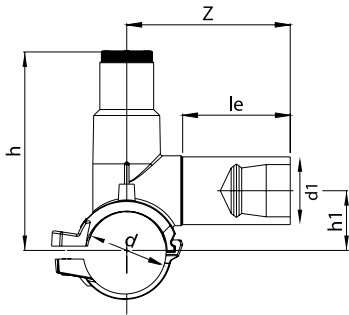
EF SERVİS TE GAZ STOPLU PE 100 SDR11

EF TAPPING SADDLE WITH GAS STOP PE 100 SDR11



Enjeksiyon monoblock tip / Injected monobloc type
 4mm bağlantı kontaktları / 4mm pin connectors
 Uzun spigot çıkış / Long spigot outlet
 Gas-Stop System Pipelife (GS 20/1, GS 32/1)
 Dışarı taşmasız / Without overflow orifice
 12 allen anahtar / Hexagon wrench 12 mm
 Delici uçları paslanmazdır / Stainless steel cutters
 Gaz stop montajlı / Set comes with pre-assembled
 O-ringli sızdırmaz kapak / O-ring sealed screw cap

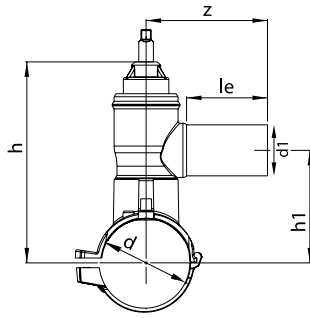
1-5 bar Gaz / 1-5 bar Gas



d	d1	Ürün Kodu Article No	le	h	h1	Z	Ağırlık Weight	Kutu Box
mm	mm		mm	mm	mm	mm	kg	(adet/pcs)
40	32	001 117 2074 0041	76	135	38	114	0,333	20
40	20	001 117 2074 0043	67	135	38	104	0,313	20
50	32	001 117 2074 0052	76	135	43	117	0,333	20
50	20	001 117 2074 0054	64	135	43	105	0,313	20
63	32	001 117 2074 0066	76	180	51	117	0,588	20
63	20	001 117 2074 0068	75	180	51	116	0,578	20
75	32	001 117 2074 0079	76	186	56	118	0,597	15
75	20	001 117 2074 0081	75	186	56	113	0,590	15
90	32	001 117 2074 0095	76	195	65	120	0,680	12
90	20	001 117 2074 0097	75	195	65	120	0,680	12
110	32	001 117 2074 0116	76	200	75	126	0,726	10
110	20	001 117 2074 0118	75	200	75	120	0,716	10
125	32	001 117 2074 0132	76	212	82	129	0,757	8
125	20	001 117 2074 0134	75	212	82	120	0,757	8
140	32	001 117 2074 0148	76	238	95	134	0,826	6
140	20	001 117 2074 0150	75	238	95	125	0,809	6
160	32	001 117 2074 0169	76	247	105	141	0,893	6
160	20	001 117 2074 0171	75	247	105	124	0,859	6
180	32	001 117 2074 0190	76	250	115	143	0,911	5
180	20	001 117 2074 0192	75	250	115	127	0,871	5
200	32	001 117 2074 0211	76	268	125	146	0,989	4
200	20	001 117 2074 0213	75	268	125	126	0,939	4
225	32	001 117 2074 0237	76	281	137	148	1,039	4
225	20	001 117 2074 0239	75	281	137	125	1,014	4
250	32	001 117 2074 0263	76	293	137	148	1,049	4
250	20	001 117 2074 0265	75	293	137	125	1,024	4

EF VANALI SERVİS TE PE 100 SDR11

EF TAPPING VALVE PE 100 SDR11



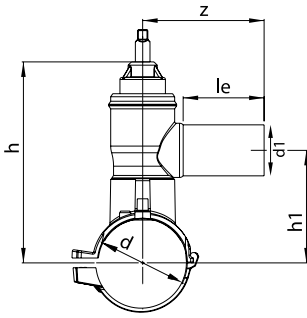
Enjeksiyon monoblok tip / Injected monoblock type
 4mm bağlantı kontaktları / 4mm pin connectors
 Uzun spigot çıkış / Long spigot outlet
 Vana saat yönünde kapanır / The valve is closed clockwise
 Açma turu 18 / Opening on the spanner is 18 turns
 12mm anahtar / Wrench 12mm

16 bar Su / 16 bar Water

d	d1	Ürün Kodu Article No	le	h	h1	Z	Ağırlık Weight	Kutu Box
mm	mm		mm	mm	mm	mm	kg (adet/pcs)	
63	63	001 117 2072 0063	100	223	114	152	2.360	6
63	50	001 117 2072 0064	74	223	114	126	2.330	6
63	40	001 117 2072 0065	74	223	114	126	2.320	6
63	32	001 117 2072 0066	74	223	114	126	2.300	6
63	25	001 117 2072 0067	74	223	114	126	2.280	6
63	20	001 117 2072 0068	74	223	114	126	2.270	6
75	63	001 117 2072 0076	100	229	120	152	2.490	6
75	50	001 117 2072 0077	74	229	120	126	2.460	6
75	40	001 117 2072 0078	74	229	120	126	2.450	6
75	32	001 117 2072 0079	74	229	120	126	2.430	6
75	25	001 117 2072 0080	74	229	120	126	2.410	6
75	20	001 117 2072 0081	74	229	120	126	2.400	6
90	63	001 117 2072 0092	100	237	128	152	2.450	6
90	50	001 117 2072 0093	74	237	128	126	2.420	6
90	40	001 117 2072 0094	74	237	128	126	2.410	6
90	32	001 117 2072 0095	74	237	128	126	2.390	6
90	25	001 117 2072 0096	74	237	128	126	2.370	6
90	20	001 117 2072 0097	74	237	128	126	2.360	6
110	63	001 117 2072 0113	100	247	138	152	2.510	6
110	50	001 117 2072 0114	74	247	138	126	2.480	6
110	40	001 117 2072 0115	74	247	138	126	2.470	6
110	32	001 117 2072 0116	74	247	138	126	2.450	6
110	25	001 117 2072 0117	74	247	138	126	2.430	6
110	20	001 117 2072 0118	74	247	138	126	2.420	6
125	63	001 117 2072 0129	100	254	145	152	2.540	6
125	50	001 117 2072 0130	74	254	145	126	2.510	6
125	40	001 117 2072 0131	74	254	145	126	2.500	6
125	32	001 117 2072 0132	74	254	145	126	2.480	6
125	25	001 117 2072 0133	74	254	145	126	2.460	6
125	20	001 117 2072 0134	74	254	145	126	2.520	6

EF VANALI SERVİS TE PE 100 SDR11

EF TAPPING VALVE PE 100 SDR11



Enjeksiyon monoblok tip / Injected monoblock type
 4mm bağlantı kontaktları / 4mm pin connectors
 Uzun spigot çıkış / Long spigot outlet
 Vana saat yönünde kapanır / The valve is closed clockwise
 Açma turu 18 / Opening on the spanner is 18 turns
 12mm anahtar / Wrench 12mm

16 bar Su / 16 bar Water

d	d1	Ürün Kodu Article No	le	h	h1	Z	Ağırlık Weight	Kutu Box
mm	mm		mm	mm	mm	mm	kg	(adet/pcs)
140	63	001 117 2072 0145	100	262	153	152	2.540	5
140	50	001 117 2072 0146	74	262	153	126	2.510	5
140	40	001 117 2072 0147	74	262	153	126	2.500	5
140	32	001 117 2072 0148	74	262	153	126	2.480	5
140	25	001 117 2072 0149	74	262	153	126	2.460	5
140	20	001 117 2072 0150	74	262	153	126	2.450	5
160	63	001 117 2072 0166	100	272	163	152	2.550	5
160	50	001 117 2072 0167	74	272	163	126	2.520	5
160	40	001 117 2072 0168	74	272	163	126	2.510	5
160	32	001 117 2072 0169	74	272	163	126	2.490	5
160	25	001 117 2072 0170	74	272	163	126	2.470	5
160	20	001 117 2072 0171	74	272	163	126	2.460	5
180/200	63	001 117 2072 0208	100	292	183	152	2.670	4
180/200	50	001 117 2072 0209	74	292	183	126	2.640	4
180/200	40	001 117 2072 0210	74	292	183	126	2.630	4
180/200	32	001 117 2072 0211	74	292	183	126	2.610	4
180/200	25	001 117 2072 0212	74	292	183	126	2.590	4
180/200	20	001 117 2072 0213	74	292	183	126	2.580	4
225/250	63	001 117 2072 0260	100	317	208	152	2.690	4
225/250	50	001 117 2072 0261	74	317	208	126	2.660	4
225/250	40	001 117 2072 0262	74	317	208	126	2.650	4
225/250	32	001 117 2072 0263	74	317	208	126	2.630	4
225/250	25	001 117 2072 0264	74	317	208	126	2.610	4
225/250	20	001 117 2072 0265	74	317	208	126	2.600	4
280/315	63	001 117 2072 0327	100	349	240	152	3.090	4
280/315	50	001 117 2072 0328	74	349	240	126	3.060	4
280/315	40	001 117 2072 0329	74	349	240	126	3.050	4
280/315	32	001 117 2072 0330	74	349	240	126	3.030	4
280/315	25	001 117 2072 0331	74	349	240	126	3.010	4
280/315	20	001 117 2072 0332	74	349	240	126	3.000	4

EF SEMER PE 100 SDR11

EF SADDLE PE 100 SDR11

**Tamamlayıcı Çözümler:**

Semerler, Dişli Bağlantılar, Tamir Semerleri, Balon Semerler

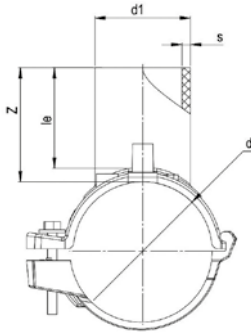
Complementary Solutions:

Branch Saddles, Transition Saddles, Repair Saddles, Balloon Saddles

HIZLI UYGULAMA, UYGUN MALİYET
QUICK INSTALLATION, COST EFFECTIVE

EF SPİGOT SEMER PE 100 SDR11

EF SPIGOT SADDLE PE 100 SDR11



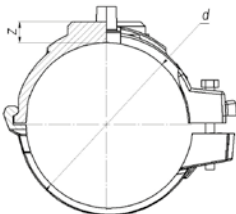
Enjeksiyon / Injected
 Uzun tip / Long Spigot
 4mm bağlantı kontaktları / 4mm pin connectors

10 bar Gaz 16 bar Su / 10 bar Gas 16 bar Water

d	d1	Ürün Kodu Article No	Z	le	s	Ağırlık Weight	Kutu Box
mm	mm		mm	mm	mm	kg	(adet/pcs)
63	63	001 117 2091 0063	75	67	5.8	0,230	18
63	32	001 117 2091 0066	55	46	3.0	0,200	20
75	63	001 117 2091 0076	75	67	5.8	0,260	15
75	32	001 117 2091 0079	55	46	3.0	0,230	15
90	63	001 117 2091 0092	75	67	5.8	0,310	12
90	32	001 117 2091 0095	55	46	3.0	0,280	12
110	63	001 117 2091 0113	75	67	5.8	0,360	10
110	32	001 117 2091 0116	55	46	3.0	0,330	10
125	63	001 117 2091 0129	75	67	5.8	0,370	8
125	32	001 117 2091 0132	55	46	3.0	0,340	8
140	63	001 117 2091 0145	75	67	5.8	0,650	6
140	32	001 117 2091 0148	55	46	3.0	0,580	6
160	63	001 117 2091 0166	75	67	5.8	0,660	6
160	32	001 117 2091 0169	55	46	3.0	0,590	6
180-200	63	001 117 2091 0208	75	67	5.8	0,710	4
180-200	32	001 117 2091 0211	55	46	3.0	0,670	4
225-250	63	001 117 2091 0260	75	67	5.8	0,750	4
225-250	32	001 117 2091 0263	55	46	3.0	0,710	4
280-315	63	001 117 2091 0327	75	67	5.8	0,790	4
280-315	32	001 117 2091 0330	55	46	3.0	0,750	4

EF TAMİR SEMERİ PE 100 SDR11

EF REPAIR SADDLE PE 100 SDR11



Enjeksiyon / Injected
 4mm bağlantı kontaktları / 4mm pin connectors

10 bar Gaz 16 bar Su / 10 bar Gas 16 bar Water

d	Ürün Kodu Article No	Z	Ağırlık Weight	Kutu Box
mm		mm	kg	(adet/pcs)
90	001 117 2094 0090	14	0,300	15
110	001 117 2094 0110	14	0,390	15
125	001 117 2094 0125	14	0,390	15
140	001 117 2094 0140	14	0,430	15
160	001 117 2094 0160	14	0,430	10
180-200	001 117 2094 0200	14	0,680	6
225-250	001 117 2094 0250	14	0,720	6
280-315	001 117 2094 0315	14	0,780	6

EF SEMER-PE GEÇİŞ

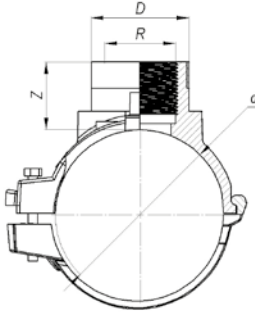
EF SADDLE-PE TRANSITION

İÇ DİŞLİ PE 100 SDR11 / FEMALE THREAD PE 100 SDR11

Enjeksiyon / Injected

4mm bağlantı kontaktları / 4mm pin connectors

Paslanmaz yüzük takviyeli / Reinforcing ring stainless



10 bar Su / 10 bar Water

d	R	Ürün Kodu Article No	D	Z	Ağırlık Weight	Kutu Box
mm	inch		mm	mm	kg	(adet/pcs)
90	2"	001 117 2092 0092	76.1	50	0,430	15
90	1½"	001 117 2092 0093	63.5	45	0,400	15
90	1¼"	001 117 2092 0094	52	45	0,380	15
90	1"	001 117 2092 0095	45	45	0,380	15
110	2"	001 117 2092 0113	76.1	50	0,490	15
110	1½"	001 117 2092 0114	63.5	45	0,460	15
110	1¼"	001 117 2092 0115	52	45	0,440	15
110	1"	001 117 2092 0116	45	45	0,430	15
125	2"	001 117 2092 0129	76.1	50	0,540	15
125	1½"	001 117 2092 0130	63.5	45	0,510	15
125	1¼"	001 117 2092 0131	52	45	0,500	15
125	1"	001 117 2092 0132	45	45	0,480	15
140	2"	001 117 2092 0145	76.1	50	0,560	12
140	1½"	001 117 2092 0146	63.5	45	0,530	12
140	1¼"	001 117 2092 0147	52	45	0,500	12
140	1"	001 117 2092 0148	45	45	0,500	12
160	2"	001 117 2092 0166	76.1	50	0,580	10
160	1½"	001 117 2092 0167	63.5	45	0,550	10
160	1¼"	001 117 2092 0168	52	45	0,530	10
160	1"	001 117 2092 0169	45	45	0,510	10
180-200	2"	001 117 2092 0208	76.1	50	0,790	6
180-200	1½"	001 117 2092 0209	63.5	45	0,760	6
180-200	1¼"	001 117 2092 0210	52	45	0,730	6
180-200	1"	001 117 2092 0211	45	45	0,730	6
225-250	2"	001 117 2092 0260	76.1	50	0,830	6
225-250	1½"	001 117 2092 0261	63.5	45	0,800	6
225-250	1¼"	001 117 2092 0262	52	45	0,770	6
225-250	1"	001 117 2092 0263	45	45	0,770	6
280-315	2"	001 117 2092 0327	76.1	50	0,880	6
280-315	1½"	001 117 2092 0328	63.5	45	0,850	6
280-315	1¼"	001 117 2092 0329	52	45	0,830	6
280-315	1"	001 117 2092 0330	45	45	0,830	6

EF SEMER PİRİNÇ GEÇİŞ

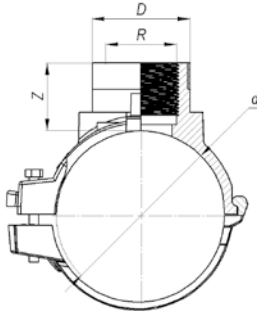
EF SADDLE-BRASS TRANSITION

İÇ DİŞLİ PE 100 SDR11 / FEMALE THREAD PE 100 SDR11

Enjeksiyon / Injected

4mm bağlantı kontaktları / 4mm pin connectors

MS58 Pirinç çıkışlı / MS58 brass



10 bar Su / 10 bar Water

d	R	Ürün Kodu Article No	D	Z	Ağırlık Weight	Kutu Box
mm	inch		mm	mm	kg	(adet/pcs)
90	2"	001 117 2093 0092	79	50	0,570	15
90	1½"	001 117 2093 0093	73	45	0,530	15
90	1¼"	001 117 2093 0094	67	45	0,470	15
90	1"	001 117 2093 0095	57	45	0,440	15
110	2"	001 117 2093 0113	79	50	0,630	15
110	1½"	001 117 2093 0114	73	45	0,540	15
110	1¼"	001 117 2093 0115	67	45	0,520	15
110	1"	001 117 2093 0116	57	45	0,490	15
125	2"	001 117 2093 0129	79	50	0,650	15
125	1½"	001 117 2093 0130	73	45	0,570	15
125	1¼"	001 117 2093 0131	67	45	0,550	15
125	1"	001 117 2093 0132	57	45	0,520	15
140	2"	001 117 2093 0145	79	50	0,670	12
140	1½"	001 117 2093 0146	73	45	0,590	12
140	1¼"	001 117 2093 0147	67	45	0,570	12
140	1"	001 117 2093 0148	57	45	0,530	12
160	2"	001 117 2093 0166	79	50	0,700	10
160	1½"	001 117 2093 0167	73	45	0,620	10
160	1¼"	001 117 2093 0168	67	45	0,600	10
160	1"	001 117 2093 0169	57	45	0,560	10
180-200	2"	001 117 2093 0208	79	50	0,930	6
180-200	1½"	001 117 2093 0209	73	45	0,860	6
180-200	1¼"	001 117 2093 0210	67	45	0,860	6
180-200	1"	001 117 2093 0211	57	45	0,850	6
225-250	2"	001 117 2093 0260	79	50	1,030	6
225-250	1½"	001 117 2093 0261	73	45	0,950	6
225-250	1¼"	001 117 2093 0262	67	45	0,930	6
225-250	1"	001 117 2093 0263	57	45	0,890	6
280-315	2"	001 117 2093 0327	79	50	1,080	6
280-315	1½"	001 117 2093 0328	73	45	1,000	6
280-315	1¼"	001 117 2093 0329	67	45	0,980	6
280-315	1"	001 117 2093 0330	57	45	0,950	6

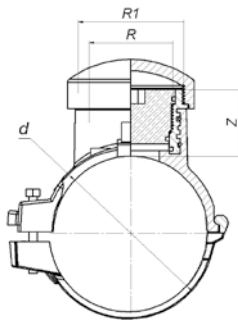
EF BALON SEMER PE 100 SDR11

EF BALLOON SADDLE PE 100 SDR11



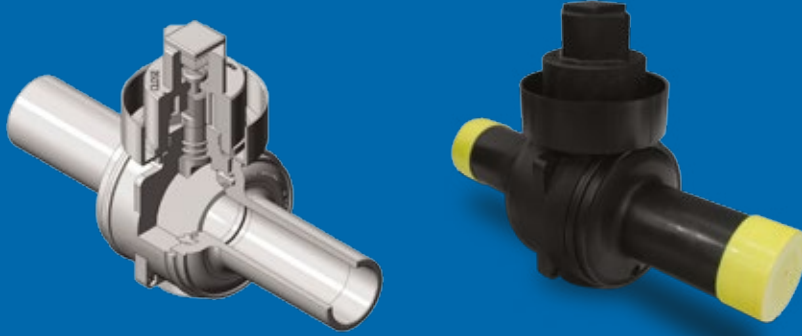
Enjeksiyon / Injected
4mm bağlantı kontaktları / 4mm pin connectors
MS58 Pirinç çıkışlı / MS58 brass

10 bar Su / 10 bar Water



d	R	Ürün Kodu Article No	R1	Z	Ağırlık Weight	Kutu Box
mm	inch		inch	mm	kg	(adet/pcs)
90	2"	001 117 2095 0090	2½"	50	1,620	15
110	2"	001 117 2095 0110	2½"	50	1,670	15
125	2"	001 117 2095 0125	2½"	50	1,700	15
140	2"	001 117 2095 0140	2½"	50	1,830	15
160	2"	001 117 2095 0160	2½"	50	1,850	10
180-200	2"	001 117 2095 0200	2½"	50	2,090	6
225-250	2"	001 117 2095 0250	2½"	50	2,100	6
280-315	2"	001 117 2095 0315	2½"	50	2,150	6





POLİETİLEN KÜRESEL VANALAR POLYETHYLENE VALVES FOR WATER AND GAS APPLICATIONS

32mm'den 200mm'ye çap aralığına sahiptir
Alın kaynak ve Elektrofüzyon kaynağına uygundur
Mekanik bağlantıya uygundur
Metal aksam barındırmaz
Akış yönü ve tersi sızdırmazlık sağlar

Dimensions between 32mm to 200mm
Suitable for Butt welding and Electrofusion welding
Suitable for mechanical connections
No metal parts in or outside of product
Double up and downstream tightness

UYGULAMA ALANLARI:

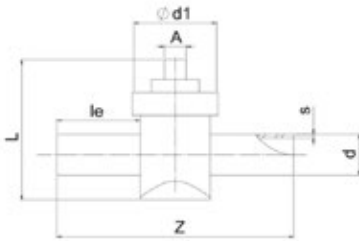
Doğal gaz toplama, Doğal gaz dağıtım, Depolama gazı,
Hidrokarbon yakıt gazı, Hidrojen, Hava, Diğer inert
gazlar, Su ve kanalizasyon

APPLICATIONS:

Natural gas collection, Natural gas distribution, Landfill
gas, Hydrocarbon fuel gases, Hydrogen, Air, Other inert
gases, Potable water and sewage

PE 100 KÜRESEL VANA

PE 100 BALL VALVE



d	Ürün Kodu Article No	Z	L	le	d1	s	A	Ağırlık Weight
mm		mm	mm	mm	mm	mm	mm	kg
32	135 117 9310 0032	260	190	70	110.0	3.0	49.5	0.920
40	135 117 9310 0040	260	190	70	110.0	3.7	49.5	0.930
63	135 117 9310 0063	360	227	120	110.0	5.8	49.5	1.900
90	135 117 9310 0090	345	225	105	110.0	8.2	49.5	2.250
110	135 117 9310 0110	400	275	105	110.0	10.0	49.5	3.950
125	135 117 9310 0125	400	280	106	110.0	11.4	49.5	4.050
160	135 117 9310 0160	450	360	116	110.0	14.6	49.5	9.150
180	135 117 9310 0180	540	350	117	110.0	18.2	49.5	9.800
200	135 117 9310 0200	540	350	112	110.0	18.2	49.5	10.650

VANA KOL-KOVAN TAKIMI

OPERATIONAL KEY AND PROTECTION PIPE

PVC den yapılmıştır / Made out of PVC
Tüm çaplar için uygundur / Suitable for all dimensions
Koruma borusu (500-900mm) / Protection pipe (500-900mm)



Ürün Kodu Article No	Uzunluk Length	Ağırlık Weight
	mm	kg
103 000 9312 0001	500	1.75

ÖZEL İMALAT ÜRÜNLER

FABRICATED PRODUCTS



Enerji tesisleri, arıtma üniteleri, yangın hatları, içme suyu şebekeleri, tarımsal sulamalar ve benzeri sistemler için projeye özel mühendislik çözümleri.

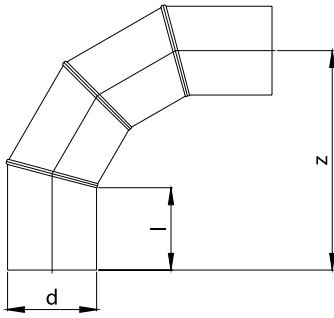
Project oriented engineering solutions for power plants, water treatment units, fire fighting systems, water supply networks, agricultural irrigation, etc.

90 ° DİRSEK PE 100

ELBOW 90 ° PE 100

Konfeksiyon / Fabricated

PE 100 borudan üretim / Production from PE 100 pipe



d	Ürün Kodu Article No	Ürün Kodu Article No	l	Z	Ağırlık Weight	Ağırlık Weight
mm	SDR11	SDR17	mm	mm	SDR11	SDR17
355	001 117 5021 0355	001 115 5021 0355	161	626	36.060	25,590
400	001 117 5021 0400	001 115 5021 0400	175	687	49.320	34,620
450	001 117 5021 0450	001 115 5021 0450	200	717	64.870	45,370
500	001 117 5021 0500	001 115 5021 0500	242	794	88.380	61,430
560	001 117 5021 0560	001 115 5021 0560	244	832	114.630	79,440
630	001 117 5021 0630	001 115 5021 0630	255	961	164.230	113,270
710	001 117 5021 0710	001 115 5021 0710	254	1012	219.060	149,620
800	001 117 5021 0800	001 115 5021 0800	262	1107	300.770	204,980
900		001 115 5021 0900	268	1216		281,360
1000		001 115 5021 1000	345	1456		413,990
1200		001 115 5021 1200	378	1625		661,960

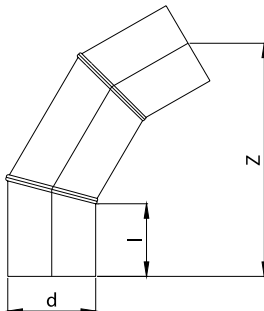
EN 12201-3 ANNEX:B STANDARDINA GÖRE BASINÇ KAYIP KATSAYISI = 0,8
ACCORDING TO EN 12201-3 ANNEX:B DERATING FACTOR = 0,8

60 ° DİRSEK PE 100

ELBOW 60 ° PE 100

Konfeksiyon / Fabricated

PE 100 borudan üretim / Production from PE 100 pipe



d	Ürün Kodu Article No	Ürün Kodu Article No	l	Z	Ağırlık Weight	Ağırlık Weight
mm	SDR11	SDR17	mm	mm	SDR11	SDR17
355	001 117 5028 0355	001 115 5028 0355	184	646	26,500	17,900
400	001 117 5028 0400	001 115 5028 0400	199	697	36,300	24,500
450	001 117 5028 0450	001 115 5028 0450	215	751	49,600	33,500
500	001 117 5028 0500	001 115 5028 0500	232	807	65,800	44,500
560	001 117 5028 0560	001 115 5028 0560	255	876	89,600	60,600
630	001 117 5028 0630	001 115 5028 0630	275	919	119,500	80,800
710	001 117 5028 0710	001 115 5028 0710	280	978	161,400	109,000
800	001 117 5028 0800	001 115 5028 0800	290	1058	221,500	149,300
900		001 115 5028 0900	300	1143		203,600
1000		001 115 5028 1000	310	1227		269,900
1200		001 115 5028 1200	320	1380		432,700

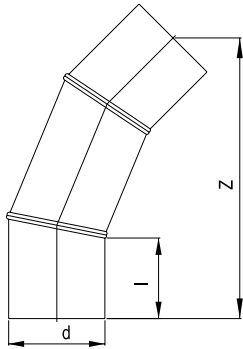
EN 12201-3 ANNEX:B STANDARDINA GÖRE BASINÇ KAYIP KATSAYISI = 0,8
ACCORDING TO EN 12201-3 ANNEX:B DERATING FACTOR = 0,8

45° DİRSEK PE 100

ELBOW 45° PE 100

Konfeksiyon / Fabricated

PE 100 borudan üretim / Production from PE 100 pipe



d	Ürün Kodu Article No	Ürün Kodu Article No	l	Z	Ağırlık Weight	Ağırlık Weight
mm	SDR11	SDR17	mm	mm	SDR11	SDR17
355	001 117 5022 0355	001 115 5022 0355	172	670	24.800	17,040
400	001 117 5022 0400	001 115 5022 0400	182	705	32.840	22,360
450	001 117 5022 0450	001 115 5022 0450	196	739	43.620	29,750
500	001 117 5022 0500	001 115 5022 0500	220	855	62.100	42,310
560	001 117 5022 0560	001 115 5022 0560	231	899	81.840	55,530
630	001 117 5022 0630	001 115 5022 0630	243	951	109.230	75,970
710	001 117 5022 0710	001 115 5022 0710	243	968	144.510	99,170
800	001 117 5022 0800	001 115 5022 0800	250	1048	200.150	137,940
900		001 115 5022 0900	258	1129		186,430
1000		001 115 5022 1000	265	1209		246,440
1200		001 115 5022 1200	317	1370		400,060

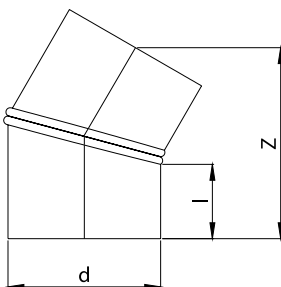
EN 12201-3 ANNEX:B STANDARDINA GÖRE BASINÇ KAYIP KATSAYISI = 0,8
ACCORDING TO EN 12201-3 ANNEX:B DERATING FACTOR = 0,8

30° DİRSEK PE 100

ELBOW 30° PE 100

Konfeksiyon / Fabricated

PE 100 borudan üretim / Production from PE 100 pipe



d	Ürün Kodu Article No	Ürün Kodu Article No	l	Z	Ağırlık Weight	Ağırlık Weight
mm	SDR11	SDR17	mm	mm	SDR11	SDR17
355	001 117 5027 0355	001 115 5027 0355	184	343	15,200	10,300
400	001 117 5027 0400	001 115 5027 0400	199	371	21,000	14,200
450	001 117 5027 0450	001 115 5027 0450	215	401	29,000	19,600
500	001 117 5027 0500	001 115 5027 0500	232	433	38,900	26,300
560	001 117 5027 0560	001 115 5027 0560	255	476	53,800	36,400
630	001 117 5027 0630	001 115 5027 0630	275	513	74,200	50,200
710	001 117 5027 0710	001 115 5027 0710	280	597	98,400	66,500
800	001 117 5027 0800	001 115 5027 0800	290	634	132,500	89,300
900		001 115 5027 0900	300	672		119,600
1000		001 115 5027 1000	310	709		156,000
1200		001 115 5027 1200	320	746		241,500

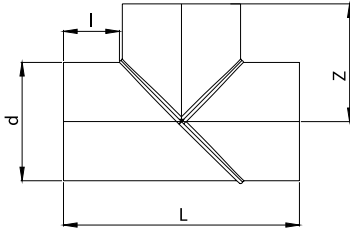
EN 12201-3 ANNEX:B STANDARDINA GÖRE BASINÇ KAYIP KATSAYISI = 0,8
ACCORDING TO EN 12201-3 ANNEX:B DERATING FACTOR = 0,8

90° EŞİT TE PE 100

TEE 90°, EQUAL PE 100

Konfeksiyon / Fabricated

PE 100 borudan üretim / Production from PE 100 pipe



d	Ürün Kodu Article No	Ürün Kodu Article No	l	Z	L	Ağırlık Weight	Ağırlık Weight
mm	SDR11	SDR17	mm	mm	mm	SDR11	SDR17
355	001 117 5041 0355	001 115 5041 0355	273	450	723	37,000	24,900
400	001 117 5041 0400	001 115 5041 0400	290	490	798	50,600	34,000
450	001 117 5041 0450	001 115 5041 0450	305	530	880	68,700	46,000
500	001 117 5041 0500	001 115 5041 0500	330	580	964	81,740	54,890
560	001 117 5041 0560	001 115 5041 0560	350	630	1070	124,400	83,500
630	001 117 5041 0630	001 115 5041 0630	365	680	1180	168,100	112,800
710	001 117 5041 0710	001 115 5041 0710	355	710	1350	218,300	146,000
800	001 117 5041 0800	001 115 5041 0800	380	780	1480	302,300	201,800
900		001 115 5041 0900	380	830	1620		266,600
1000		001 115 5041 1000	390	890	1760		348,800
1200		001 115 5041 1200	400	1000	2000		545,500

EN 12201-3 ANNEX:B STANDARDINA GÖRE BASINÇ KAYIP KATSAYISI = 0,6
ACCORDING TO EN 12201-3 ANNEX:B DERATING FACTOR = 0,6

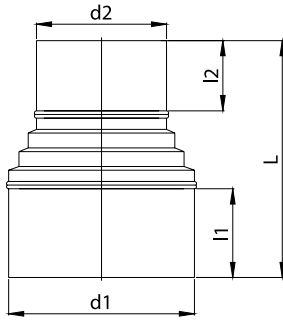


REDÜKSİYON PE 100

REDUCER PE 100

Konfeksiyon / Fabricated

Enjeksiyon kademeli redüksiyon, her iki ucu da manşon boyu PE 100 boru ekli /
Injected step reducer with PE 100 pipe extension at both ends



d1-d2	Ürün Kodu Article No	Ürün Kodu Article No	L	l1	l2	Ağırlık Weight	Ağırlık Weight
mm	SDR11	SDR17	mm	mm	mm	SDR11	SDR17
355-315	001 117 5080 0356	001 115 5080 0356	454	184	170	13,600	9,200
355-280	001 117 5080 0357	001 115 5080 0357	543	184	159	15,000	10,200
355-250	001 117 5080 0358	001 115 5080 0358	578	184	149	15,100	10,200
355-225	001 117 5080 0359	001 115 5080 0359	614	184	140	15,200	10,300
400-355	001 117 5080 0401	001 115 5080 0401	483	199	184	18,400	12,400
400-315	001 117 5080 0402	001 115 5080 0402	514	199	170	18,100	12,300
400-280	001 117 5080 0403	001 115 5080 0403	603	199	159	19,500	13,200
400-250	001 117 5080 0404	001 115 5080 0404	638	199	149	19,600	13,300
400-225	001 117 5080 0405	001 115 5080 0405	674	199	140	19,800	13,400
450-400	001 117 5080 0451	001 115 5080 0451	514	215	199	24,800	16,700
450-355	001 117 5080 0452	001 115 5080 0452	544	215	184	24,300	16,400
450-315	001 117 5080 0453	001 115 5080 0453	575	215	170	24,100	16,300
450-280	001 117 5080 0454	001 115 5080 0454	664	215	159	25,500	17,200
450-250	001 117 5080 0455	001 115 5080 0455	699	215	149	25,600	17,300
450-225	001 117 5080 0456	001 115 5080 0456	735	215	140	25,700	17,400
500-450	001 117 5080 0501	001 115 5080 0501	557	232	215	33,500	22,600
500-400	001 117 5080 0502	001 115 5080 0502	641	232	199	35,600	24,100
500-355	001 117 5080 0503	001 115 5080 0503	671	232	184	35,100	23,800
500-315	001 117 5080 0504	001 115 5080 0504	702	232	170	34,900	23,600
560-500	001 117 5080 0561	001 115 5080 0561	597	255	232	44,600	30,200
560-450	001 117 5080 0562	001 115 5080 0562	630	255	215	44,100	29,800
560-400	001 117 5080 0563	001 115 5080 0563	714	255	199	46,200	31,200
560-355	001 117 5080 0564	001 115 5080 0564	744	255	184	45,700	30,900
560-315	001 117 5080 0565	001 115 5080 0565	775	255	170	45,500	30,800
630-560	001 117 5080 0631	001 115 5080 0631	630	275	255	61,300	41,400
630-500	001 117 5080 0632	001 115 5080 0632	647	275	232	59,500	40,200
630-450	001 117 5080 0633	001 115 5080 0633	670	275	215	58,900	39,800
630-400	001 117 5080 0634	001 115 5080 0634	754	275	199	61,000	41,200
630-355	001 117 5080 0635	001 115 5080 0635	784	275	184	60,600	40,900
630-315	001 117 5080 0636	001 115 5080 0636	815	275	170	60,400	40,800
710-630		001 115 5080 0711	645	280	275		53,500
710-560		001 115 5080 0712	725	280	255		56,500
710-500		001 115 5080 0713	742	280	232		55,300
710-450		001 115 5080 0714	765	280	215		54,900
800-710		001 115 5080 0801	660	290	280		69,400
800-630		001 115 5080 0802	695	290	275		68,000
800-560		001 115 5080 0803	775	290	255		71,100
800-500		001 115 5080 0804	792	290	232		69,900
800-450		001 115 5080 0805	815	290	215		69,400
900-800		001 115 5080 0901	725	300	290		97,200
900-710		001 115 5080 0902	752	300	280		94,700
900-630		001 115 5080 0903	807	300	275		93,300
1000-900		001 115 5080 1001	868	300	300		138,000
1200-1000		001 115 5080 1201	868	300	300		192,000
1200-900		001 115 5080 1202	868	300	300		189,000

90° İNEGAL TE PE 100

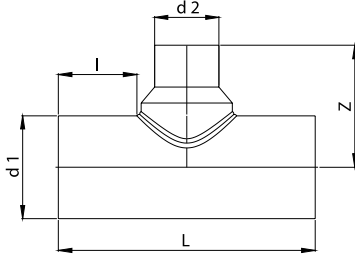
TEE 90°, REDUCED PE 100

Konfeksiyon / Fabricated

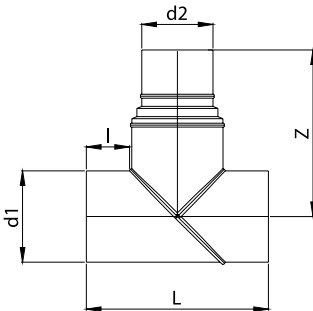
PE 100 borudan üretim / Production from PE 100 pipe



Tip A / Type A



Tip B / Type B



d1-d2	Ürün Kodu Article No	Tip Type	Ürün Kodu Article No	Tip Type	l	l	Z	Z	L	L
mm	SDR11		SDR17		mm SDR11	mm SDR17	mm SDR11	mm SDR17	mm SDR11	mm SDR17
355-315	001 117 5042 0356	B	001 115 5042 0356	B	273	273	660.5	660.5	901	901
355-280	001 117 5042 0357	B	001 115 5042 0357	B	273	273	780.5	780.5	901	901
355-250	001 117 5042 0358	B	001 115 5042 0358	B	273	273	780.5	780.5	901	901
355-225	001 117 5042 0359	B	001 115 5042 0359	B	273	273	780.5	780.5	901	901
355-200	001 117 5042 0360	B	001 115 5042 0360	B	273	273	900.5	900.5	901	901
355-180	001 117 5042 0361	B	001 115 5042 0361	A	273	184	900.5	338	901	568
355-160	001 117 5042 0362	A	001 115 5042 0362	A	184	184	331	331	568	568
355-140	001 117 5042 0363	A	001 115 5042 0363	A	184	184	325	325	568	548
355-125	001 117 5042 0364	A	001 115 5042 0364	A	184	184	320	320	568	528
355-110	001 117 5042 0365	A	001 115 5042 0365	A	184	184	315	315	548	528
355-90	001 117 5042 0366	A	001 115 5042 0366	A	184	184	312	312	528	508
400-355	001 117 5042 0401	B	001 115 5042 0401	B	290	290	720	720	980	980
400-315	001 117 5042 0402	B	001 115 5042 0402	B	290	290	740	740	980	980
400-280	001 117 5042 0403	B	001 115 5042 0403	B	290	290	860	860	980	980
400-250	001 117 5042 0404	B	001 115 5042 0404	B	290	290	860	860	980	980
400-225	001 117 5042 0405	B	001 115 5042 0405	B	290	290	860	860	980	980
400-200	001 117 5042 0406	B	001 115 5042 0406	A	290	199	980	367	980	623
400-180	001 117 5042 0407	A	001 115 5042 0407	A	199	199	360	360	623	623
400-160	001 117 5042 0408	A	001 115 5042 0408	A	199	199	353	353	623	598
400-140	001 117 5042 0409	A	001 115 5042 0409	A	199	199	347	347	623	578
400-125	001 117 5042 0410	A	001 115 5042 0410	A	199	199	342	342	598	578
400-110	001 117 5042 0411	A	001 115 5042 0411	A	199	199	337	337	578	558
400-90	001 117 5042 0412	A	001 115 5042 0412	A	199	199	334	334	578	538
400-63			001 115 5042 0414	A		199		334		538
450-400	001 117 5042 0451	B	001 115 5042 0451	B	305	305	780	780	1060	1060
450-355	001 117 5042 0452	B	001 115 5042 0452	B	305	305	810	810	1060	1060
450-315	001 117 5042 0453	B	001 115 5042 0453	B	305	305	830	830	1060	1060
450-280	001 117 5042 0454	B	001 115 5042 0454	B	305	305	950	950	1060	1060
450-250	001 117 5042 0455	B	001 115 5042 0455	B	305	305	950	950	1060	1060
450-225	001 117 5042 0456	B	001 115 5042 0456	A	305	205	950	400	1060	680
450-200	001 117 5042 0457	A	001 115 5042 0457	A	215	215	392	392	680	680
450-180	001 117 5042 0458	A	001 115 5042 0458	A	215	215	385	385	680	655
450-160	001 117 5042 0459	A	001 115 5042 0459	A	215	215	378	378	680	630
450-140	001 117 5042 0460	A	001 115 5042 0460	A	215	215	372	372	655	630
450-125	001 117 5042 0461	A	001 115 5042 0461	A	215	215	367	367	630	610
450-110	001 117 5042 0462	A	001 115 5042 0462	A	215	215	362	362	630	590

 EN 12201-3 ANNEX:B STANDARDINA GÖRE BASINÇ KAYIP KATSAYISI = 0,6 (TİP-B İÇİN)
 ACCORDING TO EN 12201-3 ANNEX:B DERATING FACTOR = 0,6 (FOR TYPE-B)

90° İNEGAL TE PE 100

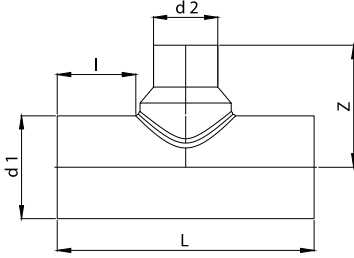
TEE 90°, REDUCED PE 100

Konfeksiyon / Fabricated

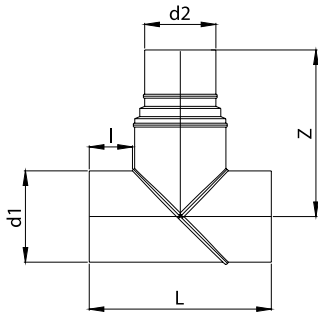
PE 100 borudan üretim / Production from PE 100 pipe



Tip A / Type A



Tip B / Type B



d1-d2	Ürün Kodu Article No	Tip Type	Ürün Kodu Article No	Tip Type	l	l	Z	Z	L	L
mm	SDR11		SDR17		mm SDR11	mm SDR17	mm SDR11	mm SDR17	mm SDR11	mm SDR17
450-90	001 117 5042 0463	A	001 115 5042 0463	A	215	215	359	359	610	590
500-450	001 117 5042 0501	B	001 115 5042 0501	B	330	330	840	840	1160	1160
500-400	001 117 5042 0502	B	001 115 5042 0502	B	330	330	900	900	1160	1160
500-355	001 117 5042 0503	B	001 115 5042 0503	B	330	330	930	930	1160	1160
500-315	001 117 5042 0504	B	001 115 5042 0504	B	330	330	950	950	1160	1160
500-280	001 117 5042 0505	B	001 115 5042 0505	B	330	330	1070	1070	1160	1160
500-250	001 117 5042 0506	B	001 115 5042 0506	A	330	232	1070	434	1160	744
500-225	001 117 5042 0507	A	001 115 5042 0507	A	232	232	425	425	744	744
500-200	001 117 5042 0508	A	001 115 5042 0508	A	232	232	417	417	744	714
500-180	001 117 5042 0509	A	001 115 5042 0509	A	232	232	410	410	744	689
500-160	001 117 5042 0510	A	001 115 5042 0510	A	232	232	403	403	714	689
500-140	001 117 5042 0511	A	001 115 5042 0511	A	232	232	397	397	689	664
500-125	001 117 5042 0512	A	001 115 5042 0512	A	232	232	392	392	689	644
500-110	001 117 5042 0513	A	001 115 5042 0513	A	232	232	387	387	664	644
500-90	001 117 5042 0514	A	001 115 5042 0514	A	232	232	384	384	664	624
560-500	001 117 5042 0561	B	001 115 5042 0561	B	350	350	910	910	1260	1260
560-450	001 117 5042 0562	B	001 115 5042 0562	B	350	350	930	930	1260	1260
560-400	001 117 5042 0563	B	001 115 5042 0563	B	350	350	990	990	1260	1260
560-355	001 117 5042 0564	B	001 115 5042 0564	B	350	350	1020	1020	1260	1260
560-315	001 117 5042 0565	B	001 115 5042 0565	B	350	350	1040	1040	1260	1260
560-280	001 117 5042 0566	B	001 115 5042 0566	A	350	255	1160	474	1260	825
560-250	001 117 5042 0567	A	001 115 5042 0567	A	255	255	464	464	825	825
560-225	001 117 5042 0568	A	001 115 5042 0568	A	255	255	455	455	825	790
560-200	001 117 5042 0569	A	001 115 5042 0569	A	255	255	447	447	825	790
560-180	001 117 5042 0570	A	001 115 5042 0570	A	255	255	440	440	790	760
560-160	001 117 5042 0571	A	001 115 5042 0571	A	255	255	433	433	760	735
560-140	001 117 5042 0572	A	001 115 5042 0572	A	255	255	427	427	760	710
560-125	001 117 5042 0573	A	001 115 5042 0573	A	255	255	422	422	735	710
560-110	001 117 5042 0574	A	001 115 5042 0574	A	255	255	417	417	735	690
560-90	001 117 5042 0575	A	001 115 5042 0575	A	255	255	414	414	710	670
630-560	001 117 5042 0631	B	001 115 5042 0631	B	365	365	980	980	1360	1360
630-500	001 117 5042 0632	B	001 115 5042 0632	B	365	365	1000	1000	1360	1360
630-450	001 117 5042 0633	B	001 115 5042 0633	B	365	365	1020	1020	1360	1360
630-400	001 117 5042 0634	B	001 115 5042 0634	B	365	365	1080	1080	1360	1360
630-355	001 117 5042 0635	B	001 115 5042 0635	B	365	365	1110	1110	1360	1360

EN 12201-3 ANNEX:B STANDARDINA GÖRE BASINÇ KAYIP KATSAYISI = 0,6 (TİP-B İÇİN)
ACCORDING TO EN 12201-3 ANNEX:B DERATING FACTOR = 0,6 (FOR TYPE-B)

90° İNEGAL TE PE 100

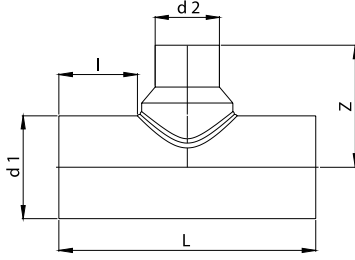
TEE 90°, REDUCED PE 100

Konfeksiyon / Fabricated

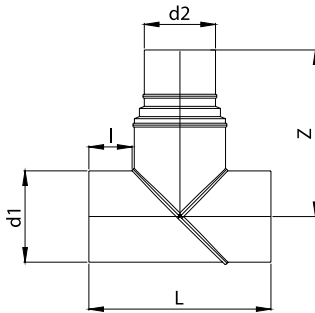
PE 100 borudan üretim / Production from PE 100 pipe



Tip A / Type A



Tip B / Type B



d1-d2	Ürün Kodu Article No	Tip Type	Ürün Kodu Article No	Tip Type	l	l	Z	Z	L	L
mm	SDR11		SDR17		mm SDR11	mm SDR17	mm SDR11	mm SDR17	mm SDR11	mm SDR17
630-315	001 117 5042 0636	B	001 115 5042 0636	A	365	275	1130	865	1360	905
630-280	001 117 5042 0637	A	001 115 5042 0637	A	275	275	509	509	905	905
630-250	001 117 5042 0638	A	001 115 5042 0638	A	275	275	499	499	905	865
630-225	001 117 5042 0639	A	001 115 5042 0639	A	275	275	490	490	905	830
630-200	001 117 5042 0640	A	001 115 5042 0640	A	275	275	482	482	865	830
630-180	001 117 5042 0641	A	001 115 5042 0641	A	275	275	475	475	830	800
630-160	001 117 5042 0642	A	001 115 5042 0642	A	275	275	468	468	830	775
630-140	001 117 5042 0643	A	001 115 5042 0643	A	275	275	462	462	800	775
630-125	001 117 5042 0644	A	001 115 5042 0644	A	275	275	457	457	800	750
630-110	001 117 5042 0645	A	001 115 5042 0645	A	275	275	452	452	775	730
630-90	001 117 5042 0646	A	001 115 5042 0646	A	275	275	449	449	775	730
710-630	001 117 5042 0711	•	001 115 5042 0711	B	•	355	•	1030	•	1420
710-560	001 117 5042 0712	•	001 115 5042 0712	B	•	355	•	1090	•	1420
710-500	001 117 5042 0713	•	001 115 5042 0713	B	•	355	•	1110	•	1420
710-450	001 117 5042 0714	•	001 115 5042 0714	B	•	355	•	1130	•	1420
710-400	001 117 5042 0715	•	001 115 5042 0715	B	•	355	•	1190	•	1420
710-355	001 117 5042 0716	•	001 115 5042 0716	A	•	320	•	574	•	1040
710-315	001 117 5042 0717	•	001 115 5042 0717	A	•	320	•	560	•	1040
710-280	001 117 5042 0718	•	001 115 5042 0718	A	•	320	•	549	•	995
710-250	001 117 5042 0719	•	001 115 5042 0719	A	•	320	•	539	•	955
710-225	001 117 5042 0720	•	001 115 5042 0720	A	•	320	•	530	•	955
710-200	001 117 5042 0721	•	001 115 5042 0721	A	•	320	•	522	•	920
710-180	001 117 5042 0722	•	001 115 5042 0722	A	•	320	•	515	•	890
710-160	001 117 5042 0723	•	001 115 5042 0723	A	•	320	•	508	•	890
710-140	001 117 5042 0724	•	001 115 5042 0724	A	•	320	•	502	•	865
710-125	001 117 5042 0725	•	001 115 5042 0725	A	•	320	•	497	•	840
710-110	001 117 5042 0726	•	001 115 5042 0726	A	•	320	•	492	•	840
710-90	001 117 5042 0727	•	001 115 5042 0727	A	•	320	•	489	•	820
800-710	001 117 5042 0801	•	001 115 5042 0801	B	•	380	•	1140	•	1560
800-630	001 117 5042 0802	•	001 115 5042 0802	B	•	380	•	1140	•	1560
800-560	001 117 5042 0803	•	001 115 5042 0803	B	•	380	•	1200	•	1560
800-500	001 117 5042 0804	•	001 115 5042 0804	B	•	380	•	1220	•	1560
800-450	001 117 5042 0805	•	001 115 5042 0805	B	•	380	•	1240	•	1560
800-400	001 117 5042 0806	•	001 115 5042 0806	A	•	340	•	634	•	1130
800-355	001 117 5042 0807	•	001 115 5042 0807	A	•	340	•	619	•	1130

 EN 12201-3 ANNEX:B STANDARTINA GÖRE BASINÇ KAYIP KATSAYISI = 0,6 (TİP-B İÇİN)
 ACCORDING TO EN 12201-3 ANNEX:B DERATING FACTOR = 0,6 (FOR TYPE-B)

90° İNEGAL TE PE 100

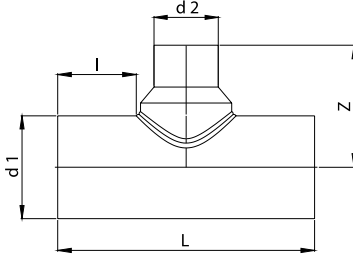
TEE 90°, REDUCED PE 100

Konfeksiyon / Fabricated

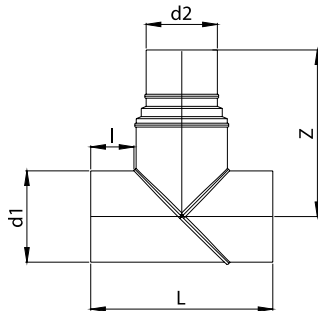
PE 100 borudan üretim / Production from PE 100 pipe



Tip A / Type A



Tip B / Type B



d1-d2	Ürün Kodu Article No	Tip Type	Ürün Kodu Article No	Tip Type	l	l	Z	Z	L	L
mm	SDR11		SDR17		mm SDR11	mm SDR17	mm SDR11	mm SDR17	mm SDR11	mm SDR17
800-315	001 117 5042 0808	•	001 115 5042 0808	A	•	340	•	605	•	1080
800-280	001 117 5042 0809	•	001 115 5042 0809	A	•	340	•	594	•	1035
800-250	001 117 5042 0810	•	001 115 5042 0810	A	•	340	•	584	•	1035
800-225	001 117 5042 0811	•	001 115 5042 0811	A	•	340	•	575	•	995
800-200	001 117 5042 0812	•	001 115 5042 0812	A	•	340	•	567	•	960
800-180	001 117 5042 0813	•	001 115 5042 0813	A	•	340	•	560	•	960
800-160	001 117 5042 0814	•	001 115 5042 0814	A	•	340	•	553	•	930
800-140	001 117 5042 0815	•	001 115 5042 0815	A	•	340	•	547	•	905
800-125	001 117 5042 0816	•	001 115 5042 0816	A	•	340	•	542	•	905
800-110	001 117 5042 0817	•	001 115 5042 0817	A	•	340	•	537	•	880
800-90	001 117 5042 0818	•	001 115 5042 0818	A	•	340	•	534	•	880
900-800	001 117 5042 0901	•	001 115 5042 0901	B	•	380	•	1190	•	1660
900-710	001 117 5042 0902	•	001 115 5042 0902	B	•	380	•	1230	•	1660
900-630	001 117 5042 0903	•	001 115 5042 0903	B	•	380	•	1230	•	1660
900-560	001 117 5042 0904	•	001 115 5042 0904	B	•	380	•	1290	•	1660
900-500	001 117 5042 0905	•	001 115 5042 0905	B	•	380	•	1310	•	1660
900-450	001 117 5042 0906	•	001 115 5042 0906	A	•	380	•	1330	•	1660
900-400	001 117 5042 0907	•	001 115 5042 0907	A	•	360	•	684	•	1220
900-355	001 117 5042 0908	•	001 115 5042 0908	A	•	360	•	669	•	1170
900-315	001 117 5042 0909	•	001 115 5042 0909	A	•	360	•	655	•	1120
900-280	001 117 5042 0910	•	001 115 5042 0910	A	•	360	•	644	•	1120
900-250	001 117 5042 0911	•	001 115 5042 0911	A	•	360	•	634	•	1075
900-225	001 117 5042 0912	•	001 115 5042 0912	A	•	360	•	625	•	1035
900-200	001 117 5042 0913	•	001 115 5042 0913	A	•	360	•	617	•	1035
900-180	001 117 5042 0914	•	001 115 5042 0914	A	•	360	•	610	•	1000
900-160	001 117 5042 0915	•	001 115 5042 0915	A	•	360	•	603	•	1000
900-140	001 117 5042 0916	•	001 115 5042 0916	A	•	360	•	597	•	970
900-125	001 117 5042 0917	•	001 115 5042 0917	A	•	360	•	592	•	945
900-110	001 117 5042 0918	•	001 115 5042 0918	A	•	360	•	587	•	945
900-90	001 117 5042 0919	•	001 115 5042 0919	A	•	360	•	584	•	920
1000-900	001 117 5042 1001	•	001 115 5042 1001	•	•	•	•	•	•	•
1000-800	001 117 5042 1002	•	001 115 5042 1002	•	•	•	•	•	•	•
1000-710	001 117 5042 1003	•	001 115 5042 1003	•	•	•	•	•	•	•
1000-630	001 117 5042 1004	•	001 115 5042 1004	•	•	•	•	•	•	•
1000-560	001 117 5042 1005	•	001 115 5042 1005	•	•	•	•	•	•	•
1000-500	001 117 5042 1006	•	001 115 5042 1006	•	•	•	•	•	•	•

EN 12201-3 ANNEX:B STANDARDINA GÖRE BASINÇ KAYIP KATSAYISI = 0,6 (TİP-B İÇİN)
ACCORDING TO EN 12201-3 ANNEX:B DERATING FACTOR = 0,6 (FOR TYPE-B)

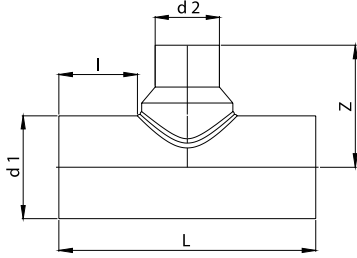
90° İNEGAL TE PE 100

TEE 90°, REDUCED PE 100

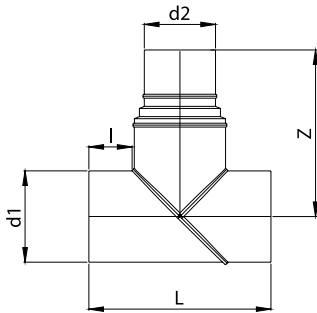
Konfeksiyon / Fabricated
PE 100 borudan üretim / Production from PE 100 pipe



Tip A / Type A



Tip B / Type B



d1-d2	Ürün Kodu Article No	Tip Type	Ürün Kodu Article No	Tip Type	l	l	Z	Z	L	L
mm	SDR11		SDR17		mm SDR11	mm SDR17	mm SDR11	mm SDR17	mm SDR11	mm SDR17
1000-450	001 117 5042 1007	•	001 115 5042 1007	•	•	•	•	•	•	•
1000-400	001 117 5042 1008	•	001 115 5042 1008	•	•	•	•	•	•	•
1000-355	001 117 5042 1009	•	001 115 5042 1009	•	•	•	•	•	•	•
1000-315	001 117 5042 1010	•	001 115 5042 1010	•	•	•	•	•	•	•
1000-280	001 117 5042 1011	•	001 115 5042 1011	•	•	•	•	•	•	•
1000-250	001 117 5042 1012	•	001 115 5042 1012	•	•	•	•	•	•	•
1000-225	001 117 5042 1013	•	001 115 5042 1013	•	•	•	•	•	•	•
1000-200	001 117 5042 1014	•	001 115 5042 1014	•	•	•	•	•	•	•
1000-180	001 117 5042 1015	•	001 115 5042 1015	•	•	•	•	•	•	•
1000-160	001 117 5042 1016	•	001 115 5042 1016	•	•	•	•	•	•	•
1000-140	001 117 5042 1017	•	001 115 5042 1017	•	•	•	•	•	•	•
1000-125	001 117 5042 1018	•	001 115 5042 1018	•	•	•	•	•	•	•
1000-110	001 117 5042 1019	•	001 115 5042 1019	•	•	•	•	•	•	•
1000-90	001 117 5042 1020	•	001 115 5042 1020	•	•	•	•	•	•	•
1200-1000	001 117 5042 1201	•	001 115 5042 1201	•	•	•	•	•	•	•
1200-900	001 117 5042 1202	•	001 115 5042 1202	•	•	•	•	•	•	•
1200-800	001 117 5042 1203	•	001 115 5042 1203	•	•	•	•	•	•	•
1200-710	001 117 5042 1204	•	001 115 5042 1204	•	•	•	•	•	•	•
1200-630	001 117 5042 1205	•	001 115 5042 1205	•	•	•	•	•	•	•
1200-560	001 117 5042 1206	•	001 115 5042 1206	•	•	•	•	•	•	•
1200-500	001 117 5042 1207	•	001 115 5042 1207	•	•	•	•	•	•	•
1200-450	001 117 5042 1208	•	001 115 5042 1208	•	•	•	•	•	•	•
1200-400	001 117 5042 1209	•	001 115 5042 1209	•	•	•	•	•	•	•
1200-355	001 117 5042 1210	•	001 115 5042 1210	•	•	•	•	•	•	•
1200-315	001 117 5042 1211	•	001 115 5042 1211	•	•	•	•	•	•	•
1200-280	001 117 5042 1212	•	001 115 5042 1212	•	•	•	•	•	•	•
1200-250	001 117 5042 1213	•	001 115 5042 1213	•	•	•	•	•	•	•
1200-225	001 117 5042 1214	•	001 115 5042 1214	•	•	•	•	•	•	•
1200-200	001 117 5042 1215	•	001 115 5042 1215	•	•	•	•	•	•	•
1200-180	001 117 5042 1216	•	001 115 5042 1216	•	•	•	•	•	•	•
1200-160	001 117 5042 1217	•	001 115 5042 1217	•	•	•	•	•	•	•
1200-140	001 117 5042 1218	•	001 115 5042 1218	•	•	•	•	•	•	•
1200-125	001 117 5042 1219	•	001 115 5042 1219	•	•	•	•	•	•	•
1200-110	001 117 5042 1220	•	001 115 5042 1220	•	•	•	•	•	•	•
1200-90	001 117 5042 1221	•	001 115 5042 1221	•	•	•	•	•	•	•

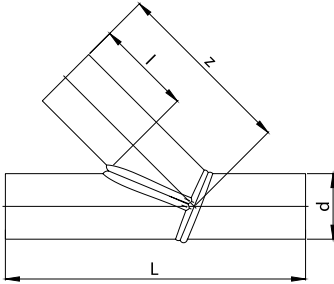
EN 12201-3 ANNEX:B STANDARDINA GÖRE BASINÇ KAYIP KATSAYISI = 0,6 (TİP-B İÇİN)
ACCORDING TO EN 12201-3 ANNEX:B DERATING FACTOR = 0,6 (FOR TYPE-B)

45° ÇATAL TE PE 100

WYE TEE 45°, PE 100

Konfeksiyon / Fabricated

PE 100 borudan üretim / Production from PE 100 pipe



d	Ürün Kodu Article No	Ürün Kodu Article No	l	L	Z	Ağırlık Weight	Ağırlık Weight
mm	SDR11	SDR17	mm	mm	mm	SDR11	SDR17
140	001 117 5045 0140	001 115 5045 0140	230	548	419	4,800	3,200
280	001 117 5045 0280	001 115 5045 0280	280	845	637	29,200	19,700
315	001 117 5045 0315	001 115 5045 0315	280	905	680	39,400	26,600
355	001 117 5045 0355	001 115 5045 0355	330	1021	778	56,900	38,400
400	001 117 5045 0400	001 115 5045 0400	330	1105	832	77,600	52,200
450	001 117 5045 0450	001 115 5045 0450	380	1235	942	110,600	74,400
500	001 117 5045 0500	001 115 5045 0500	380	1326	1003	145,700	98,100
560	001 117 5045 0560	001 115 5045 0560	430	1481	1125	204,300	137,500
630	001 117 5045 0630	001 115 5045 0630	430	1209	1209	278,500	187,500

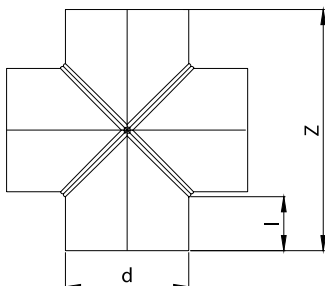
EN 12201-3 ANNEX:B STANDARDINA GÖRE BASINÇ KAYIP KATSAYISI = 0,6
ACCORDING TO EN 12201-3 ANNEX:B DERATING FACTOR = 0,6

ISTAVROZ TE PE 100

TEE, CROSS PE 100

Konfeksiyon / Fabricated

PE 100 borudan üretim / Production from PE 100 pipe



d	Ürün Kodu Article No	Ürün Kodu Article No	l	Z	Ağırlık Weight	Ağırlık Weight
mm	SDR11	SDR17	mm	mm	SDR11	SDR17
90	001 117 5044 0090	001 115 5044 0090	175	440	1.770	1,200
110	001 117 5044 0110	001 115 5044 0110	175	460	2.680	1,820
125	001 117 5044 0125	001 115 5044 0125	178	481	3.560	2,380
140	001 117 5044 0140	001 115 5044 0140	190	520	4.740	3,180
160	001 117 5044 0160	001 115 5044 0160	200	560	6.590	4,400
180	001 117 5044 0180	001 115 5044 0180	200	580	8.420	5,650
200	001 117 5044 0200	001 115 5044 0200	200	600	10.520	7,100
225	001 117 5044 0225	001 115 5044 0225	218	661	14.500	9,720
250	001 117 5044 0250	001 115 5044 0250	225	700	18.550	12,400
280	001 117 5044 0280	001 115 5044 0280	240	760	24.870	16,660
315	001 117 5044 0315	001 115 5044 0315	253	821	33.430	22,400
355	001 117 5044 0355	001 115 5044 0355	273	901	45.880	30,800
400	001 117 5044 0400	001 115 5044 0400	290	980	62.320	41,650
450	001 117 5044 0450	001 115 5044 0450	305	1060	83.870	56,000
500	001 117 5044 0500	001 115 5044 0500	330	1160	112.050	75,000
560	001 117 5044 0560	001 115 5044 0560	350	1260	150.100	100,300
630	001 117 5044 0630	001 115 5044 0630	365	1360	201.000	134,200
710	001 117 5044 0710	001 115 5044 0710	355	1420	257.000	171,000
800	001 117 5044 0800	001 115 5044 0800	380	1560	353.000	234,300
900		001 115 5044 0900	380	1660		305,000
1000		001 115 5044 1000	390	1780		395,000
1200		001 115 5044 1200	400	2000		604,000

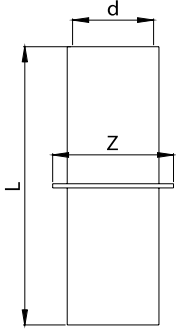
EN 12201-3 ANNEX:B STANDARDINA GÖRE BASINÇ KAYIP KATSAYISI = 0,6
ACCORDING TO EN 12201-3 ANNEX:B DERATING FACTOR = 0,6

BETON GEÇİŞ ADAPTÖRÜ PE 100

PUDDLE FLANGE PE 100

Konfeksiyon / Fabricated

PE 100 borudan üretim / Production from PE 100 pipe

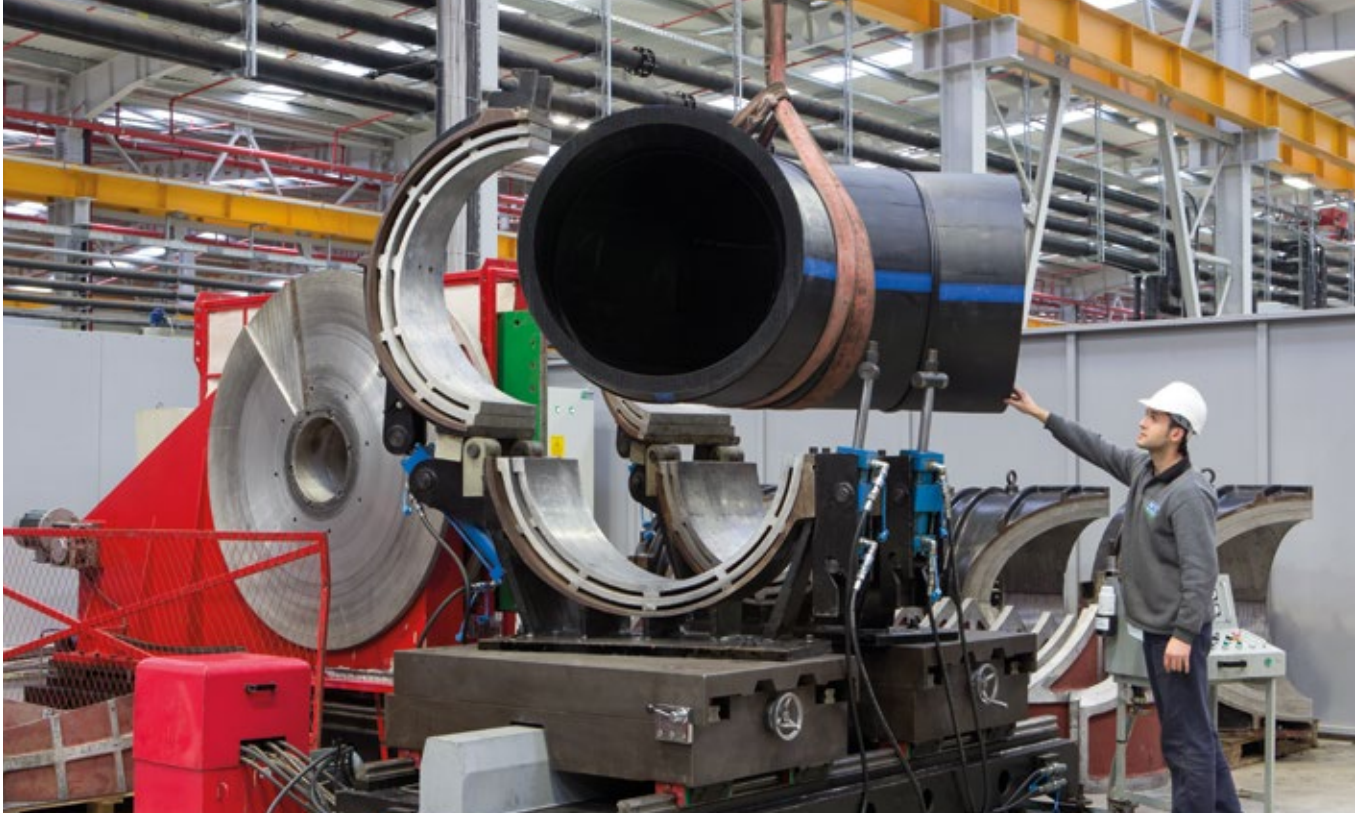


d	Ürün Kodu Article No	Ürün Kodu Article No	l	Z	Ağırlık Weight	Ağırlık Weight
mm	SDR11	SDR17	mm	mm	SDR11	SDR17
63	001 117 5251 0063	001 115 5251 0063	1000	163	1,100	0,800
75	001 117 5251 0075	001 115 5251 0075	1000	175	1,550	1,050
90	001 117 5251 0090	001 115 5251 0090	1000	190	2,450	1,600
110	001 117 5251 0110	001 115 5251 0110	1000	210	3,400	2,300
125	001 117 5251 0125	001 115 5251 0125	1000	225	4,400	3,100
140	001 117 5251 0140	001 115 5251 0140	1000	240	5,400	3,800
160	001 117 5251 0160	001 115 5251 0160	1000	260	7,200	4,900
180	001 117 5251 0180	001 115 5251 0180	1000	280	9,000	6,100
200	001 117 5251 0200	001 115 5251 0200	1000	300	11,000	7,500
225	001 117 5251 0225	001 115 5251 0225	1000	325	13,900	9,500
250	001 117 5251 0250	001 115 5251 0250	1000	350	17,000	11,700
280	001 117 5251 0280	001 115 5251 0280	1000	380	21,200	14,600
315	001 117 5251 0315	001 115 5251 0315	1000	415	26,700	18,400
355	001 117 5251 0355	001 115 5251 0355	1000	455	34,400	23,300
400	001 117 5251 0400	001 115 5251 0400	1000	500	43,500	29,300
450	001 117 5251 0450	001 115 5251 0450	1000	550	55,200	37,300
500	001 117 5251 0500	001 115 5251 0500	1000	600	67,800	46,800
560	001 117 5251 0560	001 115 5251 0560	1000	660	85,800	58,300
630	001 117 5251 0630	001 115 5251 0630	1000	730	108,000	73,600
710	001 117 5251 0710	001 115 5251 0710	1000	810	137,000	93,000
800	001 117 5251 0800	001 115 5251 0800	1000	900	173,000	119,000
900		001 115 5251 0900	1000	1000		150,000
1000		001 115 5251 1000	1000	1100		185,000
1200		001 115 5251 1200	1000	1300		263,000



ÖZEL UYGULAMALAR

SPECIAL APPLICATIONS



ROTASYONEL BORU KAZIYICI

PIPE SCRAPER

MULTI SCRAPER / MULTI SCRAPER

Ürün Kodu Article No	Çap Aralığı Diameter Range	SDR Aralığı SDR Range	Çanta Boyutları Case Dimensions	Ağırlık Weight
	mm		mm	kg
120 000 8222 0001	20mm - 63mm	11 - 17	275 x 225 x 90	2,5Kg

ÖZELLİKLER - FEATURES

Özel tasarımı boru kazıyıcı
Specifically designed pipe scraper

20 - 63mm boyutlarda kullanım
Scrapes 20 - 63mm pipe

Sağlam ve hafif tasarım
Robust and lightweight construction

Kullanım kolaylığı
Easy to use

Sertleştirilmiş değiştirilebilir bıçak
Hardened steel blade, replaceable

Düzgün kazıma için yay tertibatlı kol
Sprung loaded arm to ensure consistent scrape

Sağlam taşıma çantası
Robust carrying case

UNIPREP SCRAPER / UNIPREP SCRAPER

Ürün Kodu Article No	Çap Aralığı Diameter Range	Ağırlık Weight
	mm	kg
120 000 8222 0002	63mm - 250mm	3,0Kg
120 000 8222 0003	90mm - 400mm	3,0Kg
120 000 8222 0004	125mm - 500mm	3,5Kg
120 000 8222 0005	450mm - 710mm	4,0Kg
120 000 8222 0006	Bıçak / Blade	

ÖZELLİKLER - FEATURES

Tüm kaynak bölgesinde mekanik kazıma
Maintains mechanical scraping

Hızlı kazıma işlemi
Faster scraping action

Sertleştirilmiş bıçak
Hardened blade

Kazıma derinlik kontrolü
Controlled depth of cut

BORU KAZIYICI

PIPE SCRAPER

MANUEL KAZIYICI / HAND SCRAPERS



Ürün Kodu Article No	Çap Aralığı Diameter Range	Ağırlık Weight kg
100 000 8222 0001	Tüm boyutlar / All sizes	0,1Kg
100 000 8222 0002	Bıçak / Blade	

ÖZELLİKLER - FEATURES

Kolay kullanım
Easy to use

Değiştirilebilir bıçak
Replaceable blades

SERVİS-TE ALETLERİ

SADDLE TOOLS

SERVİS-TE ANAHTARI / TAPPING SADDLE KEYS



Ürün Kodu Article No	Açıklama Description	Ağırlık Weight kg
001 000 8226 0001	Servis Te Delme Anahtarı / Saddle Drilling Spanner	0,6Kg
100 000 8226 0002	Servis Te Sıkma Anahtarı / Saddle Tightening Spanner	0,2Kg

BORU KELEPÇESİ

PIPE CLAMP



MULTI-CLAMP / MULTI-CLAMP

Ürün Kodu Article No	Çap Aralığı Diameter Range mm	Ticari İsim Trade Name mm
120 000 8223 0001	20mm - 63mm	Multi
120 000 8223 0002	63mm - 180mm	Düz Tip / Straight
120 000 8223 0003	63mm - 180mm	Açılı Tip / Angular
120 000 8223 0004	180mm - 250mm	Düz Tip / Straight
120 000 8223 0005	180mm - 250mm	Açılı Tip / Angular

ÖZELLİKLER - FEATURES

Kaynak esnasında borudaki gerilimi alır
Rerounding and restraint during welding

Dar çalışma kanallarında kullanıma uygun
Suitable use in narrow trenches

Her türlü boru ve fittinge uyum
Suit any pipe and fittings configuration

Sağlam ve hafif şase
Robust lightweight base



BORU BOĞUCU

PIPE SQUEEZE



BORU BOĞUCULAR / SQUEEZE TOOLS

Ürün Kodu Article No	Çap Aralığı Diameter Range	Tipi Type
	mm	
120 000 8225 0001	20mm - 63mm	Manuel / Manual
120 000 8225 0002	63mm - 125mm	Hidrolik / Hydraulic
120 000 8225 0003	75mm - 200mm	Hidrolik / Hydraulic

ÖZELLİKLER - FEATURES

Manuel Tip / Type

Kompakt, uygulama kolaylığı / Compact unit, easy to apply

Boruya zarar vermeyen durdurma plakası / Limit plates prevent damage to the pipe

Hydraulic Tip / Type

Tam boy hidrolik unite / Full stroke hydraulic unit

Boruya zarar vermeyen durdurma plakası / Limit plates prevent damage to the pipe

Entegre emniyet valfi / Integral safety relief valve

BORU KESİCİ

PIPE CUTTER



KESİCİ GİYOTİN / GUILLOTINE CUTTER

Ürün Kodu Article No	Çap Aralığı Diameter Range
	mm
120 000 8224 0002	20mm - 125mm
120 000 8224 0003	20mm - 225mm
120 000 8224 0004	20mm - 315mm

ÖZELLİKLER - FEATURES

Sağlam tasarım / Robust construction

Elle kullanım kolaylığı / Easy to use manual operation

Ergonomik elle kontrol / Ergonomically designed handle

Düzgün kesim yüzeyi / Gives clean end surface

Dar kanallarda kullanıma uygun tasarım / Narrow design for in-trench use

Menteşeli alt bölüm / Hinged bottom clamp

OTOMATİK ELEKTROFÜZYON KAYNAK MAKİNASI

AUTOMATIC ELECTROFUSION UNIT



TINY-M 315

TINY-M

Ürün Kodu	Article no	116 000 8220 0001	116 000 8220 0002
Fiting ölçü aralığı	Range of fitting dimensions	20-315	20-1000
Saha uygulamaları için minimum jeneratör gücü	Generator power for field applications	5kW	7,5kW
Hafıza kaydı	Data recording	1000	1000
Güç (60 % ON time)	Power (60 % ON time)	2050 W (55.9 A)	2050 W (55.9 A)
ISO 12176-2'e göre	according to ISO 12176-2		
Kullanılabilir sıcaklık aralığı	Operating temperature range	-10C° / +50C°	-10C° / +50C°
Koruma sınıfı	International protection	IP54	IP54
Uygunluk	Conformity	CE	CE
ISO 12176-2 sınıflandırma	ISO 12176-2 Class - classification	P2 3 U S1 V AK D X	P2 3 U S1 V AK D X
Nominal voltaj (tolerans)	Nominal voltage (tolerance)	230V AC (190V - 300V)	230V AC (190V - 300V)
Nominal frekans (tolerance)	Nominal frequency (tolerance)	50/60 (40 - 70) (Hz)	50/60 (40 - 70) (Hz)
Güç faktör cos ϕ	Power factor cos ϕ	0.6 to 0.9 (phase-angle control) (Faz Açık Kontrol)	0.6 to 0.9 (phase-angle control) (Faz Açık Kontrol)
Nominal akım	Nominal current	16 A	16 A
Güç tüketimi	Power consumption	3200 VA	3200 VA
Kablo uzunluğu	Length of cord	4.5 m	4.5 m
Fiş tipi	Plug type	Euro	Euro
Çıkış voltaj	Output voltage	8 V - 48 V AC	8 V - 48 V AC
Çıkış akımı (max.)	Output current (max.)	110 A	110 A
Çıkış akımı (t > ∞)	Output current (t > ∞)	30 A	30 A
Çıkış akımı (min.)	Output current (min.)	2 A	2 A
Enerji ayarı	Energy adjustment	Sıcaklık düzeltmesi / Temperature compensation	Sıcaklık düzeltmesi / Temperature compensation
Kaynak kablosu uzunluğu	Welding cable length	4 m	4 m
Kaynak kablosu montajı	Welding cable mounting	Sabit / Fixed	Sabit / Fixed
Kaynak terminali	Welding terminals	4.0 mm	4.0 mm
Ürün ölçüleri (E×B×Y)	Product dimensions (L×W×H)	325 × 275 × 290 (mm)	325 × 275 × 290 (mm)
Ürün ağırlığı	Product weight	15,5kg	16,5 kg
(Kaynak kablosu dahil)	(incl. welding cable)		
Kutu ölçüleri (E×B×Y)	Packaging dimensions (L×W×H)	390 × 320 × 340 (mm)	390 × 320 × 340 (mm)
Paket ağırlığı	Packaging weight	5.5 kg	5,5 kg
Toplam ağırlık	Transport weight	21 kg	22 kg

Genel data / General data	Saat, Tarih, rapor numarası, dış ortam sıcaklığı, kaynakçı ismi, iş numarası max. 40-dijit (alfanumerik) / Time, date, report number, ambient temperature, welder name, job number max. 40-digits (alphanumeric)
Füzyon data / Fusion data	Voltaj, akım, enerji, verilmesi gereken ve verilen kaynak süresi, mod, direnç, 10 voltaj ve akım değeri için hata mesajı. / Voltage, current, energy, nominal and actual welding time, mode, resistance, error messages with 10 voltage and current values
Ek parça data / Fitting data	Barkod içeriği (ISO/TR 13950), Tip, Çap, Üretici / Barcode Information (ISO/TR 13950), Type, Dimension, Manufacturer
Makine data / Device data	Seri numarası, stok numarası, son servis zamanı, çalışma süresi, sistem ayarları / Serial number, inventory number, date of last service, working hours, system configuration
Çalışan bilgisi / Worker code	Barkod (PF or ISO 12176-3) operatör için tanımlama ve manuel giriş ve sistem ayarlarına erişim / Barcode (PF or ISO 12176-3) for operator identification and access to manual input and system configuration
İş numarası / Job number	İş numarası max. 40 dijit (alfanumerik), barkod veya elle giriş / Job number max. 40 digits (alphanumeric), input by barcode or manual
Giriş / Input	Voltaj, akım, frekans / Voltage, current, frequency
Çıkış / Output	Voltaj, akım, direnç, bağlantı, kısa devre / Voltage, current, resistance, contact, short circuit
Diğer / Other	Sistem, çalışma sıcaklığı, servis / System, working temperature, service
Hata mesajları / Error messages	Düz yazı, sesli uyarı / Plain text, acoustic signal
Materyal / Material	Çelik plaka / Steel plate
Ekran / Display	4x20 karakter (alfanum.), arka plan aydınlatması / 4 × 20 Characters (alphanum.), background lighting
Paket materyali / Packaging material	Ahşap / Wood
Paket tipi / Packaging type	Kutu / Box



OTOMATİK ELEKTROFÜZYON KAYNAK MAKİNASI

AUTOMATIC ELECTROFUSION UNIT

POLYCODE

Ürün Kodu	Article no	116 000 8220 0003
Fiting ölçü aralığı	Range of fitting dimensions	20-180
Saha uygulamaları için minimum jeneratör gücü	Generator power for field applications	2,5 kW
Hafıza kaydı	Data recording	1000
Güç (60 % ON time)	Power (60 % ON time)	1030 W (25.6 A)
ISO 12176-2'e göre	according to ISO 12176-2	
Kullanılabilir sıcaklık aralığı	Operating temperature range	-10C° / +50C°
Koruma sınıfı	International protection	IP54
Uygunluk	Conformity	CE
ISO 12176-2 sınıflandırma	ISO 12176-2 Class - classification	P2 2 U S3 V AK D XP2 2 U S3 V AK D X
Nominal voltaj (tolerans)	Nominal voltage (tolerance)	230V AC (190V - 300V)
Nominal frekans (tolerance)	Nominal frequency (tolerance)	50/60 (40 - 70) (Hz)
Güç faktör cos ϕ	Power factor cos ϕ	0.6 to 0.9 (phase-angle control) (Faz Açısı Kontrol)
Nominal akım	Nominal current	16 A
Güç tüketimi	Power consumption	1200 VA
Kablo uzunluğu	Length of cord	5 m
Fiş tipi	Plug type	Euro
Çıkış voltaj	Output voltage	8 V - 48 V AC
Çıkış akımı (max.)	Output current (max.)	54 A
Çıkış akımı (t > ∞)	Output current (t > ∞)	14 A
Çıkış akımı (min.)	Output current (min.)	2
Enerji ayarı	Energy adjustment	Sıcaklık düzeltmesi / Temperature compensation
Kaynak kablosu uzunluğu	Welding cable length	4 m
Kaynak kablosu montajı	Welding cable mounting	Sabit / Fixed
Kaynak terminali	Welding terminals	4.0 mm
Ürün ağırlığı (Kaynak kablosu dahil)	Product weight (incl. welding cable)	11
Kutu ölçüleri (E×B×Y)	Packaging dimensions (L×W×H)	466 × 176 × 366 (mm)

Genel data / General data	Saat, Tarih, rapor numarası, dış ortam sıcaklığı, kaynakçı ismi, iş numarası max. 40-dijit (alfanumerik) / Time, date, report number, ambient temperature, welder name, job number max. 40-digits (alphanumeric)
Füzyon data / Fusion data	Voltaj, akım, enerji, verilmesi gereken ve verilen kaynak süresi, mod, direnç, 10 voltaj ve akım değeri için hata mesajı. / Voltage, current, energy, nominal and actual welding time, mode, resistance, error messages with 10 voltage and current values
Ek parça data / Fitting data	Barkod içeriği (ISO/TR 13950), Tip, Çap, Üretici / Barcode Information (ISO/TR 13950), Type, Dimension, Manufacturer
Makine data / Device data	Seri numarası, stok numarası, son servis zamanı, çalışma süresi, sistem ayarları / Serial number, inventory number, date of last service, working hours, system configuration
Çalışan bilgisi / Worker code	Barkod (PF or ISO 12176-3) operatör için tanımlama ve manuel giriş ve sistem ayarlarına erişim / Barcode (PF or ISO 12176-3) for operator identification and access to manual input and system configuration
İş numarası / Job number	İş numarası max. 40 dijit (alfanumerik), barkod veya elle giriş / Job number max. 40 digits (alphanumeric), input by barcode or manual
Giriş / Input	Voltaj, akım, frekans / Voltage, current, frequency
Çıkış / Output	Voltaj, akım, direnç, bağlantı, kısa devre / Voltage, current, resistance, contact, short circuit
Diğer / Other	Sistem, çalışma sıcaklığı, servis / System, working temperature, service
Hata mesajları / Error messages	Düz yazı, sesli uyarı / Plain text, acoustic signal
Materyal / Material	Çelik plaka / Steel plate
Ekran / Display	4×20 karakter (alfanum.), arka plan aydınlatması / 4 × 20 Characters (alphanum.), background lighting
Paket materyali / Packaging material	Plastik / Plastic

PE 100 Boru Birim Ağırlıkları Unit Weight of PE 100 Pipes

MRS=10 Mpa

C=1,25

Ó=8,0MPa

PN	4		5		6		8		10	
SDR	41		33		26		21		17	
Çap/Dia (mm)	s (mm)	m (kg/m)	s (mm)	m (kg/m)	s (mm)	m (kg/m)	s (mm)	m (kg/m)	s (mm)	m (kg/m)
16										
20										
25									2,0	0,140
32									2,0	0,190
40							2,0	0,240	2,4	0,280
50					2,0	0,300	2,4	0,360	3,0	0,440
63			2,0	0,380	2,5	0,470	3,0	0,570	3,8	0,710
75	2,0	0,460	2,3	0,530	2,9	0,660	3,6	0,810	4,5	1,000
90	2,3	0,640	2,8	0,770	3,5	0,950	4,3	1,160	5,4	1,440
110	2,7	0,910	3,4	1,140	4,2	1,400	5,3	1,750	6,6	2,150
125	3,1	1,190	3,9	1,490	4,8	1,810	6,0	2,250	7,4	2,740
140	3,5	1,510	4,3	1,840	5,4	2,280	6,7	2,810	8,3	3,440
160	4,0	1,970	4,9	2,390	6,2	2,990	7,7	3,690	9,5	4,500
180	4,4	2,430	5,5	3,020	6,9	3,750	8,6	4,640	10,7	5,710
200	4,9	3,010	6,2	3,790	7,7	4,650	9,6	5,760	11,9	7,050
225	5,5	3,800	6,9	4,740	8,6	5,840	10,8	7,290	13,4	8,930
250	6,2	4,760	7,7	5,880	9,6	7,250	11,9	8,930	14,8	10,970
280	6,9	5,940	8,6	7,350	10,7	9,050	13,4	11,250	16,6	13,770
315	7,7	7,450	9,7	9,330	12,1	11,510	15,0	14,180	18,7	17,450
355	8,7	9,490	10,9	11,820	13,6	14,580	16,9	18,000	21,1	22,190
400	9,8	12,050	12,3	15,020	15,3	18,480	19,1	22,920	23,7	28,090
450	11,0	15,210	13,8	18,960	17,2	23,370	21,5	29,020	26,7	35,600
500	12,3	18,900	15,3	23,360	19,1	28,840	23,9	35,850	29,7	44,000
560	13,7	23,580	17,2	29,410	21,4	36,190	26,7	44,860	33,2	55,100
630	15,4	29,820	19,3	37,130	24,1	45,850	30,0	56,700	37,4	69,820
710	17,4	37,960	21,8	47,260	27,2	58,320	33,9	72,200	42,1	88,580
800	19,6	48,190	24,5	59,850	30,6	73,930	38,1	91,450	47,4	112,380
900	22,0	60,850	27,6	75,850	34,4	93,500	42,9	115,830	53,3	142,170
1000	24,5	75,290	30,6	93,450	38,2	115,370	47,7	143,100	59,3	175,730
1200	29,4	108,420	36,7	134,490	45,9	166,340	57,2	205,930	70,6	251,190
1400	34,3	147,570	42,9	183,410	53,5	226,200	66,7	280,150	82,4	342,020
1600	39,2	192,740	49,0	239,420	61,2	295,710	76,2	365,790	94,1	446,410

s: Et Kalınlığı (mm) / Wall Thickness m: Birim Ağırlığı (kg/m) / Unit Weight (kg/mt) C: Emniyet Katsayısı / Safety Coefficient

MRS: Minimum Gerekli Mukavemet (MPa) / Minimum Required Strength (Mpa) Ó: Dizayn Gerilimi / Design Stress

PE 100 Boru Birim Ağırlıkları Unit Weight of PE 100 Pipes

MRS=10 Mpa

C=1,25

σ=8,0MPa

PN	12,5		16		20		25		32	
SDR	13,6		11		9		7,4		6	
Çap/Dia (mm)	s (mm)	m (kg/m)	s (mm)	m (kg/m)	s (mm)	m (kg/m)	s (mm)	m (kg/m)	s (mm)	m (kg/m)
16					2,0	0,090	2,3	0,100	3,0	0,120
20			2,0	0,110	2,3	0,130	3,0	0,160	3,4	0,180
25	2,0	0,150	2,5	0,170	3,0	0,210	3,5	0,240	4,2	0,280
32	2,4	0,220	3,0	0,270	3,6	0,320	4,4	0,380	5,4	0,450
40	3,0	0,350	3,7	0,420	4,5	0,500	5,5	0,600	6,7	0,700
50	3,7	0,540	4,6	0,660	5,6	0,780	6,9	0,940	8,3	1,090
63	4,7	0,860	5,8	1,050	7,1	1,250	8,6	1,470	10,5	1,740
75	5,6	1,220	6,8	1,460	8,4	1,760	10,3	2,100	12,5	2,460
90	6,7	1,760	8,2	2,110	10,1	2,540	12,3	3,010	15,0	3,540
110	8,1	2,600	10,0	3,150	12,3	3,790	15,1	4,510	18,3	5,290
125	9,2	3,360	11,4	4,080	14,0	4,900	17,1	5,810	20,8	6,830
140	10,3	4,210	12,7	5,090	15,7	6,150	19,2	7,310	23,3	8,570
160	11,8	5,510	14,6	6,690	17,9	8,010	21,9	9,530	26,6	11,180
180	13,3	6,980	16,4	8,450	20,1	10,120	24,6	12,040	29,9	14,140
200	14,7	8,580	18,2	10,420	22,4	12,530	27,4	14,900	33,2	17,450
225	16,6	10,900	20,5	13,210	25,2	15,860	30,8	18,840	37,4	22,100
250	18,4	13,420	22,7	16,250	27,9	19,520	34,2	23,250	41,5	27,260
280	20,6	16,830	25,4	20,370	31,3	24,520	38,3	29,160	46,5	34,200
315	23,2	21,330	28,6	25,800	35,2	31,030	43,1	36,920	52,3	43,280
355	26,1	27,040	32,2	32,740	39,7	39,430	48,5	46,830	59,0	55,020
400	29,4	34,320	36,3	41,590	44,7	50,030	54,7	59,500	66,7	70,030
450	33,1	43,470	40,9	52,710	50,3	63,340	61,5	75,270		
500	36,8	53,700	45,4	65,020	55,8	78,080				
560	41,2	67,330	50,8	81,490	62,2	97,540				
630	46,3	85,140	57,2	103,210						
710	52,2	108,170	64,5	131,160						
800	58,8	137,300	72,8	166,770						
900	66,2	173,890								
1000	73,5	214,520								
1200										
1400										
1600										

s: Et Kalınlığı (mm) / Wall Thickness m: Birim Ağırlığı (kg/m) / Unit Weight (kg/m) C: Emniyet Katsayısı / Safety Coefficient

MRS: Minimum Gerekli Mukavemet (MPa) / Minimum Required Strength (Mpa) σ: Dizayn Gerilimi / Design Stress

NTG sadece Fiting üretir
NTG produces only Fittings



NTG Plastik San. ve Tic. A.Ş.

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