



45° Bend 30° Seamless Bend 22° Seamless Bend 11° Equal Tee Equal Tee – Short Spigot Reducing Tee Reducing Tee – Short Spigot
 Equal Tee – Short Spigot (machined) Reducing Tee – Eccentric Level Invert (machined) 45° Angle Branch Tee 45° Angle Branch
 Spigot End Cap End Cap – Short Spigot Flange Adaptor Flange Adaptor – Chamfered Flange Adaptor – Short Spigot Flange Ada
 Transition Fitting Male/Female – PE to Brass Transition Fitting Male/Female – PE to PE Transition Fitting – PE to Steel 90° Elbow 45° Elbow
 Bend 22° Seamless Bend 11° Equal Tee Equal Tee – Short Spigot Reducing Tee Reducing Tee – Short Spigot Reducing Tee –
 Spigot (machined) Reducing Tee – Eccentric Level Invert (machined) 45° Angle Branch Tee 45° Angle Branch Tee (machined) Y P
 Cap – Short Spigot Flange Adaptor Flange Adaptor – Chamfered Flange Adaptor – Short Spigot Flange Adaptor Chamfered – S
 PE to Brass Transition Fitting Male/Female – PE to PE Transition Fitting – PE to Steel 90° Elbow 45° Elbow 90° Multi Bend 90° B
 d 11° Equal Tee Equal Tee – Short Spigot Reducing Tee Reducing Tee – Short Spigot Reducing Tee – Butt Welded Spigot Redu
 g Tee – Eccentric Level Invert (machined) 45° Angle Branch Tee 45° Angle Branch Tee (machined) Y Piece Cross Piece Reduced C
 Adaptor Flange Adaptor – Chamfered Flange Adaptor – Short Spigot Flange Adaptor Chamfered – Short Spigot Flange – Galvan
 g Male/Female – PE to PE Transition Fitting – PE to Steel 90° Elbow 45° Elbow 90° Multi Bend 90° Bend – Short Spigot Seam
 e – Short Spigot Reducing Tee Reducing Tee – Short Spigot Reducing Tee – Butt Welded Spigot Reducing Tee – Butt Welded – S
 ert (machined) 45° Angle Branch Tee 45° Angle Branch Tee (machined) Y Piece Cross Piece Reduced Cross Piece Reducer Red
 – Chamfered Flange Adaptor – Short Spigot Flange Adaptor Chamfered – Short Spigot Flange – Galvanised Steel Flange – Stair
 E Transition Fitting – PE to Steel 90° Elbow 45° Elbow 90° Multi Bend 90° Bend – Short Spigot Seamless Bend 90° Seamless
 Tee Reducing Tee – Short Spigot Reducing Tee – Butt Welded Spigot Reducing Tee – Butt Welded – Short Spigot Reducing and E
 nch Tee 45° Angle Branch Tee (machined) Y Piece Cross Piece Reduced Cross Piece Reducer Reducer – Short Spigot Step Red
 – Short Spigot Flange Adaptor Chamfered – Short Spigot Flange – Galvanised Steel Flange – Polypropylene Flange – Polypropy
 90° Elbow 45° Elbow 90° Multi Bend 90° Bend – Short Spigot Seamless Bend 90° S Red 45° Seam
 Reducing Tee – Butt Welded Spigot Reducing Tee – Butt Welded – Short Spigot Reducing Tee – Butt Welded (machined) Reducing
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Fusion Group

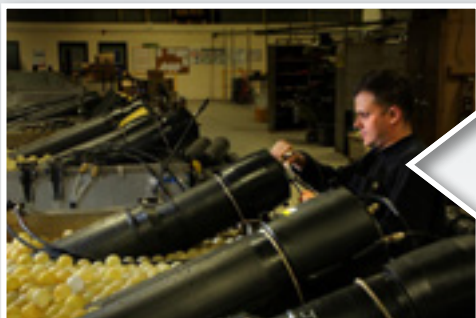
Fusion Group is a multinational company with its headquarters and principal manufacturing site located in Chesterfield, England.

When you choose Fusion Group as your supply partner you get so much more than just a product.



Scale

With a turnover in 2012/2013 of £113m and a main manufacturing and distribution site covering 5 hectares, you will be partnering with a major player in the world of polyethylene pipe jointing.



Quality

Fusion's main laboratory in Chesterfield has extensive test and analysis facilities. You can trust a company with such a high-profile commitment to quality.



Range

The Fusamatic range of spigot fittings is one of the most extensive in the world. You can find what you need in the Fusamatic spigot fittings catalogue.



Service and support

Fusion has a global network of wholly-owned distribution subsidiaries, joint-venture companies and agents which sells and supports Fusamatic products in markets as diverse as Australia, China, Kazakhstan, Poland, South America and - of course - the United Kingdom. You will never be far away from expert advice, guidance and support.



Stability

Established in 1971, Fusion has supported its clients through global recessions and technological revolutions. We will be here when you need us.



Knowledge

Fusion is one of the original pioneers in polyethylene pipe jointing systems. You have the reassurance of partnering with a company which truly understands your needs.

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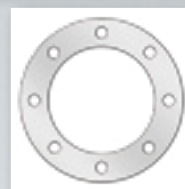
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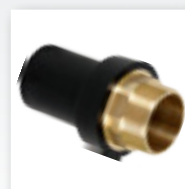


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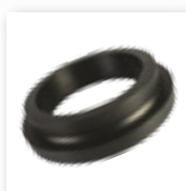


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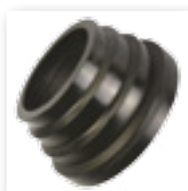


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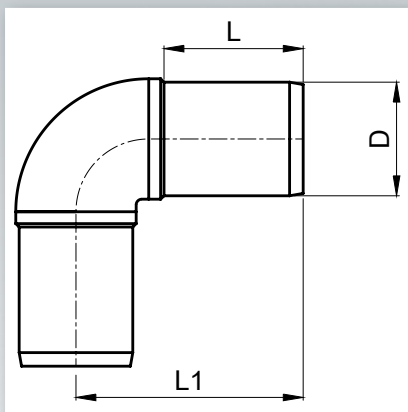
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90° Elbow



PE100 | SDR 11 | Water PN 16 | Gas 10 Bar

Code	D (mm)	L (mm)	L1 (mm)	Weight (kg)	Box Quantity
XLSEHK20X90N	20	41	63	0.02	60
XLSEHK25X90N	25	41	63	0.03	60
XLSEHK32X90N	32	44	72	0.04	50
XLSEHK40X90N	40	49	80	0.07	42
XLSEHK50X90N	50	55	95	0.13	25
XLSEHK63X90N	63	63	115	0.25	30
XLSEHK75X90N	75	70	130	0.41	30
XLSEHK90X90N	90	79	147	0.66	20
XLSEHK110X90N	110	82	161	1.08	12
XLSEHK125X90N	125	87	174	1.51	12
XLSEHK140X90N	140	92	202	2.21	8
XLSEHK160X90N	160	98	208	2.95	4
XLSEHK180X90N	180	105	222	4.24	4
XLSEHK200X90N	200	112	253	5.62	4
XLSEHK225X90N	225	120	270	7.96	2
XLSEHK250X90N	250	129	292	10.58	1
XLSEHK280X90N	280	139	340	15.69	1
XLSEHK315X90N	315	150	370	21.66	1
XLSEHK355X90N	355	172	421	TBA	1
XLSEHK400X90N	400	187	469	TBA	1
XLSEHK450X90N	450	202	522	TBA	1
XLSEHK500X90N	500	222	576	TBA	1

PE100 | SDR 17 | Water PN 10 | Gas 6 Bar

Code	D (mm)	L (mm)	L1 (mm)	Weight (kg)	Box Quantity
XLSEHK50X90V	50	59	108	0.13	30
XLSEHK63X90V	63	63	115	0.19	30
XLSEHK75X90V	75	70	130	0.29	30
XLSEHK90X90V	90	79	147	0.47	20
XLSEHK110X90V	110	82	161	0.78	12
XLSEHK125X90V	125	87	174	1.08	12
XLSEHK140X90V	140	92	202	1.59	8
XLSEHK160X90V	160	98	208	2.12	4
XLSEHK180X90V	180	105	222	2.82	4
XLSEHK200X90V	200	112	253	4.42	4
XLSEHK225X90V	225	120	270	5.47	2
XLSEHK250X90V	250	129	292	7.77	1
XLSEHK280X90V	280	139	340	11.55	1
XLSEHK315X90V	315	150	370	15.99	1
XLSEHK355X90V	355	172	421	TBA	1
XLSEHK400X90V	400	187	469	TBA	1
XLSEHK450X90V	450	202	522	TBA	1
XLSEHK500X90V	500	222	576	TBA	1



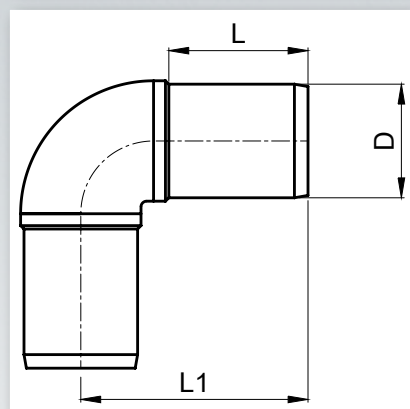
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90° Elbow



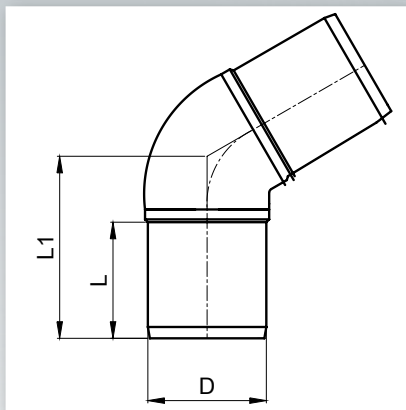
PE100 | SDR 7.4 | Water PN 25

Code	D (mm)	L (mm)	L1 (mm)	Weight (kg)	Box Quantity
XLSEHK32X90T	32	50	74	TBA	60
XLSEHK40X90T	40	56	88	TBA	60
XLSEHK50X90T	50	57	90	TBA	46
XLSEHK63X90T	63	68	112	TBA	70
XLSEHK75X90T	75	73	126	TBA	32
XLSEHK90X90T	90	82	148	TBA	24
XLSEHK110X90T	110	91	163	TBA	15
XLSEHK125X90T	125	90	175	TBA	8
XLSEHK140X90T	140	97	188	TBA	6
XLSEHK160X90T	160	104	206	TBA	5
XLSEHK180X90T	180	106	210	TBA	50
XLSEHK200X90T	200	116	250	TBA	40
XLSEHK225X90T	225	122	268	TBA	28
XLSEHK250X90T	250	130	290	TBA	20
XLSEHK280X90T	280	126	310	TBA	14
XLSEHK315X90T	315	153	333	TBA	9



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45° Elbow



PE100 | SDR 11 | Water PN 16 | Gas 10 Bar

Code	D (mm)	L (mm)	L1 (mm)	Weight (kg)	Box Quantity
XLSEHK20X45N	20	41	70	0.03	60
XLSEHK25X45N	25	41	75	0.04	50
XLSEHK32X45N	32	44	80	0.01	50
XLSEHK40X45N	40	49	85	0.08	32
XLSEHK50X45N	50	55	90	0.14	62
XLSEHK63X45N	63	63	95	0.22	42
XLSEHK75X45N	75	70	105	0.33	30
XLSEHK90X45N	90	79	120	0.60	24
XLSEHK110X45N	110	82	130	0.91	18
XLSEHK125X45N	125	87	140	1.27	12
XLSEHK140X45N	140	92	150	1.69	12
XLSEHK160X45N	160	98	160	2.43	9
XLSEHK180X45N	180	105	170	3.31	4
XLSEHK200X45N	200	112	185	4.49	4
XLSEHK225X45N	225	120	200	5.98	2
XLSEHK250X45N	250	129	217	8.06	2
XLSEHK280X45N	280	139	238	11.23	1
XLSEHK315X45N	315	150	256	15.32	1
XLSEHK355X45N	355	172	317	TBA	1
XLSEHK400X45N	400	187	346	TBA	1
XLSEHK450X45N	450	202	375	TBA	1
XLSEHK500X45N	500	222	409	TBA	1

PE100 | SDR 17 | Water PN 10 | Gas 6 Bar

Code	D (mm)	L (mm)	L1 (mm)	Weight (kg)	Box Quantity
XLSEHK50X45V	50	41	90	0.08	42
XLSEHK63X45V	63	63	95	0.16	42
XLSEHK75X45V	75	70	105	0.24	30
XLSEHK90X45V	90	79	120	0.40	24
XLSEHK110N45V	110	82	130	0.65	18
XLSEHK125X45V	125	87	140	0.90	12
XLSEHK140X45V	140	92	150	1.16	12
XLSEHK160X45V	160	98	160	1.63	9
XLSEHK180X45V	180	105	170	2.33	4
XLSEHK200X45V	200	112	185	3.19	4
XLSEHK225X45V	225	120	200	4.31	2
XLSEHK250X45V	250	129	217	5.21	2
XLSEHK280X45V	280	139	238	7.60	1
XLSEHK315X45V	315	150	256	11.00	1
XLSEHK355X45V	355	172	317	TBA	1
XLSEHK400X45V	400	187	346	TBA	1
XLSEHK450X45V	450	202	375	TBA	1
XLSEHK500X45V	500	222	409	TBA	1



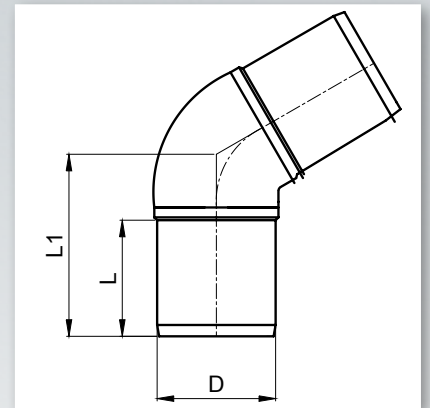
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45° Elbow



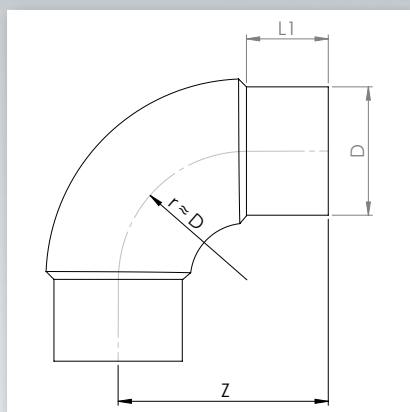
PE100 | SDR 7.4 | Water PN 25

Code	D (mm)	L (mm)	L1 (mm)	Weight (kg)	Box Quantity
XLSEHK32X45T	32	50	70	TBA	70
XLSEHK40X45T	40	58	78	TBA	70
XLSEHK50X45T	50	59	84	TBA	46
XLSEHK63X45T	63	69	95	TBA	62
XLSEHK75X45T	75	73	100	TBA	60
XLSEHK90X45T	90	82	109	TBA	22
XLSEHK110X45T	110	93	127	TBA	12
XLSEHK125X45T	125	93	162	TBA	7
XLSEHK140X45T	140	97	170	TBA	8
XLSEHK160X45T	160	107	180	TBA	6
XLSEHK180X45T	180	108	190	TBA	62
XLSEHK200X45T	200	118	190	TBA	50
XLSEHK225X45T	225	120	210	TBA	32
XLSEHK250X45T	250	130	215	TBA	28
XLSEHK280X45T	280	142	258	TBA	14
XLSEHK315X45T	315	154	270	TBA	12



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90° Multi Bend



PE100 | SDR 11 | Water PN 16 | Gas 10 Bar

Code	D (mm)	L (mm)	L1 (mm)	Weight (kg)	Box Quantity
XLSMBHK32X90N	32	79	48	0.04	5
XLSMBHK40X90N	40	92	52	0.10	2
XLSMBHK50X90N	50	107	59	0.12	1
XLSMBHK63X90N	63	131	69	0.30	4
XLSMBHK75X90N	75	153	76	0.50	16
XLSMBHK90X90N	90	176	83	0.70	10
XLSMBHK110X90N	110	193	84	1.30	6
XLSMBHK125X90N	125	216	92	1.80	4
XLSMBHK140X90N	140	237	96	2.20	5
XLSMBHK160X90N	160	262	103	3.50	4
XLSMBHK180X90N	180	294	115	5.00	6
XLSMBHK200X90N	200	317	122	6.80	4
XLSMBHK225X90N	225	351	131	9.20	2
XLSMBHK250X90N	250	382	133	13.00	2
XLSMBHK280X90N	280	432	153	18.30	1
XLSMBHK315X90N	315	471	154	33.30	1

PE100 | SDR 17 | Water PN 10 | Gas 6 Bar

Code	D (mm)	L (mm)	L1 (mm)	Weight (kg)	Box Quantity
XLSMBHK50X90V	50	108	59	0.10	1
XLSMBHK63X90V	63	130	67	0.20	4
XLSMBHK75X90V	75	152	76	0.30	16
XLSMBHK90X90V	90	173	83	0.50	10
XLSMBHK110X90V	110	193	85	1.00	6
XLSMBHK125X90V	125	216	92	1.30	4
XLSMBHK140X90V	140	237	97	1.60	5
XLSMBHK160X90V	160	260	102	2.40	4
XLSMBHK180X90V	180	290	113	3.40	6
XLSMBHK200X90V	200	317	122	4.60	4
XLSMBHK225X90V	225	350	130	6.40	2
XLSMBHK250X90V	250	382	134	9.80	2
XLSMBHK280X90V	280	430	154	13.50	1
XLSMBHK315X90V	315	465	153	19.40	1



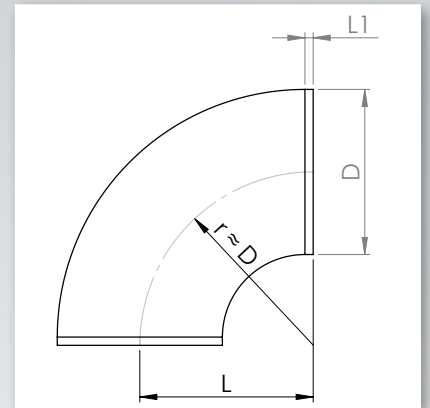
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90° Bend - Short Spigot



PE100 | SDR 11 | Water PN 16 | Gas 10 Bar

Code	D (mm)	L (mm)	L1 (mm)	Weight (kg)	Box Quantity
XSSEHK20X90N	20	22	4	0.005	300
XSSEHK25X90N	25	27	5	0.008	200
XSSEHK32X90N	32	35	5	0.016	90
XSSEHK40X90N	40	44	5	0.031	40
XSSEHK50X90N	50	53	7	0.061	20
XSSEHK63X90N	63	66	7	0.120	10
XSSEHK75X90N	75	78	19	0.195	6
XSSEHK90X90N	90	95	11	0.340	20
XSSEHK110X90N	110	115	12	0.625	10
XSSEHK125X90N	125	130	17	0.810	8
XSSEHK140X90N	140	145	15	1.220	5
XSSEHK160X90N	160	167	18	1.845	7
XSSEHK180X90N	180	184	15	2.585	5
XSSEHK200X90N	200	205	19	3.600	3
XSSEHK225X90N	225	236	21	5.055	5
XSSEHK250X90N	250	256	20	6.830	4
XSSEHK280X90N	280	286	24	9.260	3
XSSEHK315X90N	315	324	22	13.445	2
XSSEHK355X90N	355	380	38	20.770	1
XSSEHK400X90N	400	434	41	31.430	1



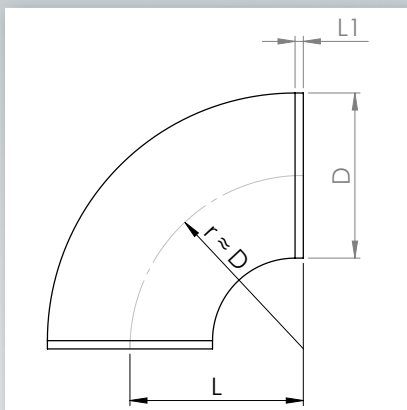
PE100 | SDR 17 | Water PN 10 | Gas 6 Bar

Code	D (mm)	L (mm)	L1 (mm)	Weight (kg)	Box Quantity
XSSEHK50X90V	50	53	7	0.040	20
XSSEHK63X90V	63	66	7	0.078	10
XSSEHK75X90V	75	78	19	0.126	6
XSSEHK90X90V	90	95	11	0.220	20
XSSEHK110X90V	110	115	12	0.385	10
XSSEHK125X90V	125	130	17	0.590	8
XSSEHK140X90V	140	145	15	0.840	5
XSSEHK160X90V	160	167	18	1.190	7
XSSEHK180X90V	180	184	15	1.720	5
XSSEHK200X90V	200	206	19	2.390	3
XSSEHK225X90V	225	231	10	3.315	5
XSSEHK250X90V	250	256	20	4.400	4
XSSEHK280X90V	280	287	24	6.205	3
XSSEHK315X90V	315	322	22	8.920	2
XSSEHK355X90V	355	380	38	13.350	1
XSSEHK400X90V	400	432	41	20.201	1



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90° Bend - Short Spigot



PE100 | SDR 33 | Water PN 5

Code	D (mm)	L (mm)	L1 (mm)	Weight (kg)	Box Quantity
XSSEHK110X90Y	110	115	12	0.215	10
XSSEHK125X90Y	125	130	15	0.340	TBA
XSSEHK140X90Y	140	145	15	0.460	TBA
XSSEHK160X90Y	160	167	18	0.745	7
XSSEHK180X90Y	180	200	8	1.240	TBA
XSSEHK200X90Y	200	206	19	1.325	3
XSSEHK225X90Y	225	236	21	2.240	TBA
XSSEHK250X90Y	250	256	20	2.490	4
XSSEHK280X90Y	280	290	24	4.440	TBA
XSSEHK315X90Y	315	322	22	5.020	2
XSSEHK355X90Y	355	380	15	9.000	1
XSSEHK400X90Y	400	434	41	11.180	TBA



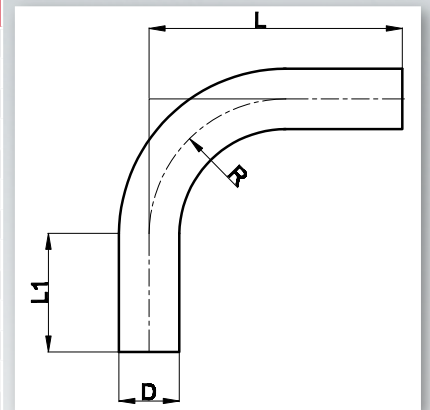
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Seamless Bend 90°



PE100 | SDR 11 | Water PN 16 | Gas 10 Bar

Code	D (mm)	L (mm)	L1 (mm)	R (mm)	Weight (kg)	Box Quantity
LRBHK50X90N	50	250	123	75	0.30	1
LRBHK63X90N	63	270	123	95	0.50	1
LRBHK75X90N	75	300	131	113	0.80	1
LRBHK90X90N	90	300	116	135	1.20	1
LRBHK110X90N	110	380	151	165	2.30	1
LRBHK125X90N	125	420	163	188	3.00	1
LRBHK140X90N	140	450	168	210	5.10	1
LRBHK160X90N	160	520	196	240	7.30	1
LRBHK180X90N	180	580	217	270	10.10	1
LRBHK200X90N	200	620	224	300	12.60	1
LRBHK225X90N	225	700	254	338	18.60	1
LRBHK250X90N	250	720	242	375	24.30	1
LRBHK280X90N	280	760	238	420	30.60	1
LRBHK315X90N	315	950	334	473	51.80	1
LRBHK355X90N	355	1100	397	533	72.10	1
LRBHK400X90N	400	1200	420	600	95.60	1
LRBHK450X90N	450	1350	315	900	158.10	1
LRBHK500X90N	500	1550	385	1000	227.80	1
LRBHK560X90N	560	1900	546	1120	285.20	1
LRBHK630X90N	630	2100	588	1260	361.20	1
LRBHK710X90N	710	2200	570	1440	499.70	1
LRBHK800X90N	800	2200	480	1600	608.00	1



Available in other SDR ratings upon request.

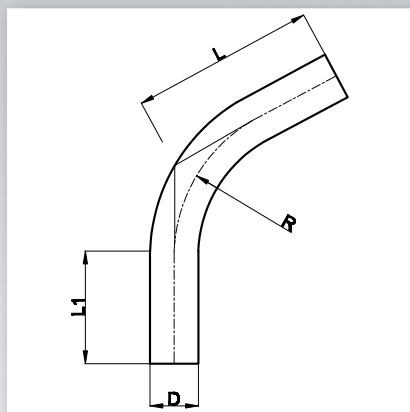
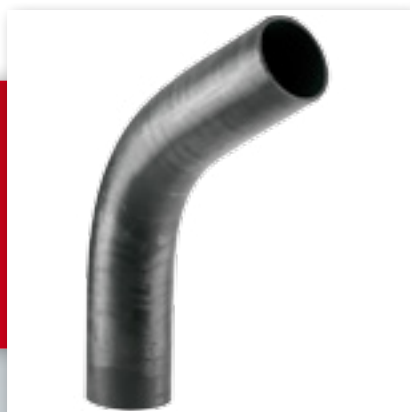
PE100 | SDR 17 | Water PN 10 | Gas 6 Bar

Code	D (mm)	L (mm)	L1 (mm)	R (mm)	Weight (kg)	Box Quantity
LRBHK50X90V	50	250	123	75	0.20	1
LRBHK63X90V	63	270	123	95	0.40	1
LRBHK75X90V	75	300	131	113	0.60	1
LRBHK90X90V	90	300	116	135	0.80	1
LRBHK110X90V	110	380	151	165	1.60	1
LRBHK125X90V	125	420	163	188	2.00	1
LRBHK140X90V	140	450	168	210	3.40	1
LRBHK160X90V	160	520	196	240	5.00	1
LRBHK180X90V	180	580	217	270	6.90	1
LRBHK200X90V	200	620	224	300	8.50	1
LRBHK225X90V	225	700	254	338	12.60	1
LRBHK250X90V	250	720	242	375	16.50	1
LRBHK280X90V	280	760	238	420	20.80	1
LRBHK315X90V	315	950	334	473	35.20	1
LRBHK355X90V	355	1100	397	533	49.00	1
LRBHK400X90V	400	1200	420	600	64.80	1
LRBHK450X90V	450	1350	315	900	104.10	1
LRBHK500X90V	500	1550	385	1000	154.70	1
LRBHK560X90V	560	1900	546	1120	193.50	1
LRBHK630X90V	630	2100	588	1260	245.00	1
LRBHK710X90V	710	2200	570	1440	355.60	1
LRBHK800X90V	800	2200	480	1600	429.40	1
LRBHK900X90V	900	2500	770	1800	566.98	1



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Seamless Bend 60°



Available in other SDR ratings upon request.

PE100 | SDR 11 | Water PN 16 | Gas 10 Bar

Code	D (mm)	L (mm)	L1 (mm)	R (mm)	Weight (kg)	Box Quantity
LRBHK50X60N	50	200	110	75	0.30	1
LRBHK63X60N	63	220	116	95	0.50	1
LRBHK75X60N	75	240	123	113	0.80	1
LRBHK90X60N	90	260	127	135	1.20	1
LRBHK110X60N	110	280	150	165	2.00	1
LRBHK125X60N	125	300	150	188	2.80	1
LRBHK140X60N	140	400	195	210	4.60	1
LRBHK160X60N	160	430	204	240	6.70	1
LRBHK180X60N	180	450	206	270	8.40	1
LRBHK200X60N	200	500	229	300	12.60	1
LRBHK225X60N	225	550	249	338	15.90	1
LRBHK250X60N	250	600	268	375	22.60	1
LRBHK280X60N	280	630	271	420	28.50	1
LRBHK315X60N	315	830	390	473	44.00	1
LRBHK355X60N	355	900	415	533	59.00	1
LRBHK400X60N	400	1000	458	600	83.20	1
LRBHK450X60N	450	1115	417	900	131.70	1
LRBHK500X60N	500	1300	506	1000	195.30	1
LRBHK560X60N	560	1450	562	1120	244.50	1
LRBHK630X60N	630	1600	611	1260	361.20	1
LRBHK710X60N	710	1700	570	1440	499.70	1
LRBHK800X60N	800	1700	480	1600	608.00	1

PE100 | SDR 17 | Water PN 10 | Gas 6 Bar

Code	D (mm)	L (mm)	L1 (mm)	R (mm)	Weight (kg)	Box Quantity
LRBHK50X60V	50	200	110	75	0.20	1
LRBHK63X60V	63	220	116	95	0.30	1
LRBHK75X60V	75	240	123	113	0.50	1
LRBHK90X60V	90	260	127	135	0.80	1
LRBHK110X60V	110	280	150	165	1.40	1
LRBHK125X60V	125	300	150	188	1.90	1
LRBHK140X60V	140	400	195	210	3.10	1
LRBHK160X60V	160	430	204	240	4.50	1
LRBHK180X60V	180	450	206	270	5.70	1
LRBHK200X60V	200	500	229	300	8.50	1
LRBHK225X60V	225	550	249	338	10.80	1
LRBHK250X60V	250	600	268	375	15.40	1
LRBHK280X60V	280	630	271	420	19.40	1
LRBHK315X60V	315	830	390	473	29.90	1
LRBHK355X60V	355	900	415	533	40.10	1
LRBHK400X60V	400	1000	458	600	56.40	1
LRBHK450X60V	450	1115	417	900	86.70	1
LRBHK500X60V	500	1300	506	1000	132.60	1
LRBHK560X60V	560	1450	562	1120	165.90	1
LRBHK630X60V	630	1600	611	1260	245.00	1
LRBHK710X60V	710	1700	570	1440	355.60	1
LRBHK800X60V	800	1700	480	1600	429.40	1
LRBHK900X60V	900	2000	960	1800	510.53	1



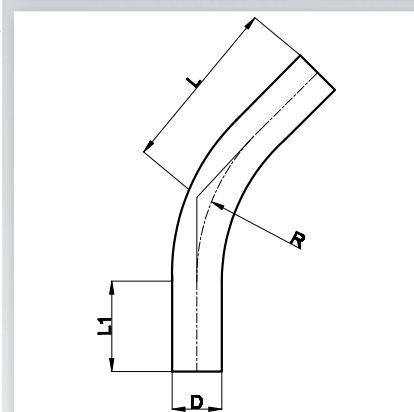
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Seamless Bend 45°



PE100 | SDR 11 | Water PN 16 | Gas 10 Bar

Code	D (mm)	L (mm)	L1 (mm)	R (mm)	Weight (kg)	Box Quantity
LRBHK50X45N	50	170	100	75	0.30	1
LRBHK63X45N	63	180	100	95	0.40	1
LRBHK75X45N	75	200	100	113	0.70	1
LRBHK90X45N	90	220	100	135	1.10	1
LRBHK110X45N	110	240	150	165	1.70	1
LRBHK125X45N	125	270	150	188	2.40	1
LRBHK140X45N	140	300	150	210	3.50	1
LRBHK160X45N	160	330	180	240	5.00	1
LRBHK180X45N	180	380	188	270	7.20	1
LRBHK200X45N	200	430	214	300	10.50	1
LRBHK225X45N	225	500	252	338	15.90	1
LRBHK250X45N	250	530	262	375	19.40	1
LRBHK280X45N	280	550	263	420	26.50	1
LRBHK315X45N	315	650	318	473	38.80	1
LRBHK355X45N	355	650	301	533	49.20	1
LRBHK400X45N	400	730	337	600	70.70	1
LRBHK450X45N	450	830	320	900	105.40	1
LRBHK500X45N	500	1100	480	1000	162.70	1
LRBHK560X45N	560	1115	456	1120	244.50	1
LRBHK630X45N	630	1350	580	1260	309.60	1
LRBHK710X45N	710	1400	570	1440	394.50	1
LRBHK800X45N	800	1500	480	1600	560.00	1



Available in other SDR ratings upon request.

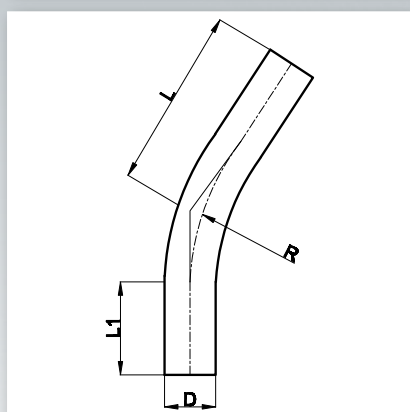
PE100 | SDR 17 | Water PN 10 | Gas 6 Bar

Code	D (mm)	L (mm)	L1 (mm)	R (mm)	Weight (kg)	Box Quantity
LRBHK50X45V	50	170	100	75	0.20	1
LRBHK63X45V	63	180	100	95	0.30	1
LRBHK75X45V	75	200	100	113	0.50	1
LRBHK90X45V	90	220	100	135	0.70	1
LRBHK110X45V	110	240	150	165	1.10	1
LRBHK125X45V	125	270	150	188	1.60	1
LRBHK140X45V	140	300	150	210	2.40	1
LRBHK160X45V	160	330	180	240	3.40	1
LRBHK180X45V	180	380	188	270	4.80	1
LRBHK200X45V	200	430	214	300	7.10	1
LRBHK225X45V	225	500	252	338	10.80	1
LRBHK250X45V	250	530	262	375	13.20	1
LRBHK280X45V	280	550	263	420	18.00	1
LRBHK315X45V	315	650	318	473	26.40	1
LRBHK355X45V	355	650	301	533	33.40	1
LRBHK400X45V	400	730	337	600	47.90	1
LRBHK450X45V	450	830	320	900	69.40	1
LRBHK500X45V	500	1100	480	1000	110.50	1
LRBHK560X45V	560	1115	456	1120	138.20	1
LRBHK630X45V	630	1350	580	1260	210.00	1
LRBHK710X45V	710	1400	570	1440	266.70	1
LRBHK800X45V	800	1500	480	1600	395.50	1
LRBHK900X45V	900	1800	1050	1800	472.44	1



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Seamless Bend 30°



Available in other SDR ratings upon request.

PE100 | SDR 11 | Water PN 16 | Gas 10 Bar

Code	D (mm)	L (mm)	L1 (mm)	R (mm)	Weight (kg)	Box Quantity
LRBHK50X30N	50	170	105	75	0.30	1
LRBHK63X30N	63	180	108	95	0.40	1
LRBHK75X30N	75	200	119	113	0.70	1
LRBHK90X30N	90	220	129	135	1.10	1
LRBHK110X30N	110	230	130	165	1.70	1
LRBHK125X30N	125	260	150	188	2.40	1
LRBHK140X30N	140	300	171	210	3.50	1
LRBHK160X30N	160	300	180	240	4.70	1
LRBHK180X30N	180	330	180	270	6.30	1
LRBHK200X30N	200	420	238	300	10.50	1
LRBHK225X30N	225	450	252	338	13.30	1
LRBHK250X30N	250	530	301	375	19.40	1
LRBHK280X30N	280	530	292	420	24.40	1
LRBHK315X30N	315	650	366	473	38.80	1
LRBHK355X30N	355	650	355	533	49.20	1
LRBHK400X30N	400	690	370	600	66.50	1
LRBHK450X30N	450	730	342	900	89.50	1
LRBHK500X30N	500	1100	582	1000	162.70	1
LRBHK560X30N	560	1100	560	1120	244.50	1
LRBHK630X30N	630	1250	639	1260	309.60	1
LRBHK710X30N	710	1350	570	1440	394.50	1
LRBHK800X30N	800	1450	480	1600	480.00	1

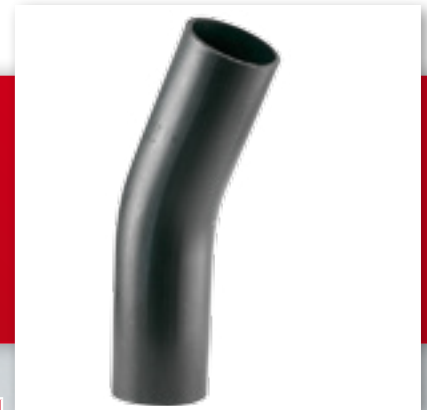
PE100 | SDR 17 | Water PN 10 | Gas 6 Bar

Code	D (mm)	L (mm)	L1 (mm)	R (mm)	Weight (kg)	Box Quantity
LRBHK50X30V	50	170	105	75	0.20	1
LRBHK63X30V	63	180	108	95	0.30	1
LRBHK75X30V	75	200	119	113	0.50	1
LRBHK90X30V	90	220	129	135	0.70	1
LRBHK110X30V	110	230	130	165	1.10	1
LRBHK125X30V	125	260	150	188	1.60	1
LRBHK140X30V	140	300	171	210	2.40	1
LRBHK160X30V	160	300	180	240	3.10	1
LRBHK180X30V	180	330	180	270	4.30	1
LRBHK200X30V	200	420	238	300	7.10	1
LRBHK225X30V	225	450	252	338	9.00	1
LRBHK250X30V	250	530	301	375	13.20	1
LRBHK280X30V	280	530	292	420	16.60	1
LRBHK315X30V	315	650	366	473	26.40	1
LRBHK355X30V	355	650	355	533	33.40	1
LRBHK400X30V	400	690	370	600	45.10	1
LRBHK450X30V	450	730	342	900	58.90	1
LRBHK500X30V	500	1100	582	1000	110.50	1
LRBHK560X30V	560	1100	560	1120	138.20	1
LRBHK630X30V	630	1250	639	1260	210.00	1
LRBHK710X30V	710	1350	570	1440	266.70	1
LRBHK800X30V	800	1450	480	1600	339.00	1
LRBHK900X30V	900	1750	1270	1800	466.45	1



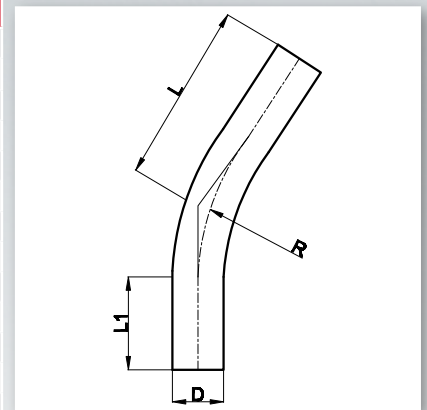
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Seamless Bend 22°



PE100 | SDR 11 | Water PN 16 | Gas 10 Bar

Code	D (mm)	L (mm)	L1 (mm)	R (mm)	Weight (kg)	Box Quantity
LRBHK50X22N	50	170	109	75	0.30	1
LRBHK63X22N	63	180	113	95	0.40	1
LRBHK75X22N	75	200	125	113	0.70	1
LRBHK90X22N	90	220	136	135	1.10	1
LRBHK110X22N	110	230	150	165	1.70	1
LRBHK125X22N	125	260	156	188	2.40	1
LRBHK140X22N	140	300	181	210	3.50	1
LRBHK160X22N	160	300	180	240	4.70	1
LRBHK180X22N	180	330	194	270	6.30	1
LRBHK200X22N	200	420	253	300	10.50	1
LRBHK225X22N	225	450	269	338	13.30	1
LRBHK250X22N	250	530	320	375	19.40	1
LRBHK280X22N	280	530	314	420	24.40	1
LRBHK315X22N	315	630	377	473	38.80	1
LRBHK355X22N	355	650	383	533	49.20	1
LRBHK400X22N	400	660	380	600	66.50	1
LRBHK450X22N	450	660	340	900	84.30	1
LRBHK500X22N	500	1000	564	1000	162.70	1
LRBHK560X22N	560	1000	548	1120	203.70	1
LRBHK630X22N	630	1100	599	1260	258.00	1
LRBHK710X22N	710	1300	570	1440	394.50	1
LRBHK800X22N	800	1400	480	1600	480.00	1



Available in other SDR ratings upon request.

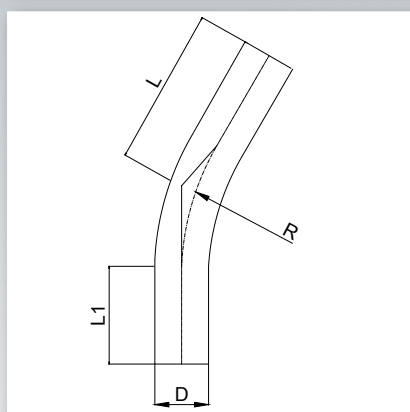
PE100 | SDR 17 | Water PN 10 | Gas 6 Bar

Code	D (mm)	L (mm)	L1 (mm)	R (mm)	Weight (kg)	Box Quantity
LRBHK50X22V	50	170	109	75	0.20	1
LRBHK63X22V	63	180	113	95	0.30	1
LRBHK75X22V	75	200	125	113	0.50	1
LRBHK90X22V	90	220	136	135	0.70	1
LRBHK110X22V	110	230	150	165	1.10	1
LRBHK125X22V	125	260	156	188	1.60	1
LRBHK140X22V	140	300	181	210	2.40	1
LRBHK160X22V	160	300	180	240	3.10	1
LRBHK180X22V	180	330	194	270	4.30	1
LRBHK200X22V	200	420	253	300	7.10	1
LRBHK225X22V	225	450	269	338	9.00	1
LRBHK250X22V	250	530	320	375	13.20	1
LRBHK280X22V	280	530	314	420	16.60	1
LRBHK315X22V	315	630	377	473	26.40	1
LRBHK355X22V	355	650	383	533	33.40	1
LRBHK400X22V	400	660	380	600	45.10	1
LRBHK450X22V	450	660	340	900	55.50	1
LRBHK500X22V	500	1000	564	1000	110.50	1
LRBHK560X22V	560	1000	548	1120	138.20	1
LRBHK630X22V	630	1100	599	1260	175.00	1
LRBHK710X22V	710	1300	570	1440	266.70	1
LRBHK800X22V	800	1400	480	1600	339.00	1
LRBHK900X22V	900	1700	1350	1800	454.85	1



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Seamless Bend 11°



Available in other SDR ratings upon request.

PE100 | SDR 11 | Water PN 16 | Gas 10 Bar

Code	D (mm)	L (mm)	L1 (mm)	R (mm)	Weight (kg)	Box Quantity
LRBHK50X11N	50	170	114	75	0.30	1
LRBHK63X11N	63	180	120	95	0.40	1
LRBHK75X11N	75	200	132	113	0.70	1
LRBHK90X11N	90	220	145	135	1.10	1
LRBHK110X11N	110	230	150	165	1.70	1
LRBHK125X11N	125	260	169	188	2.40	1
LRBHK140X11N	140	300	196	210	3.50	1
LRBHK160X11N	160	300	194	240	4.70	1
LRBHK180X11N	180	330	213	270	6.30	1
LRBHK200X11N	200	420	274	300	10.50	1
LRBHK225X11N	225	450	292	338	13.30	1
LRBHK250X11N	250	530	346	375	19.40	1
LRBHK280X11N	280	530	343	420	24.40	1
LRBHK315X11N	315	630	409	473	38.80	1
LRBHK355X11N	355	650	419	533	49.20	1
LRBHK400X11N	400	660	422	600	62.40	1
LRBHK450X11N	450	660	401	900	84.30	1
LRBHK500X11N	500	1000	633	1000	162.70	1
LRBHK560X11N	560	1000	625	1120	203.70	1
LRBHK630X11N	630	1100	685	1260	258.00	1
LRBHK710X11N	710	1250	570	1440	394.50	1
LRBHK800X11N	800	1350	480	1600	480.00	1

PE100 | SDR 17 | Water PN 10 | Gas 6 Bar

Code	D (mm)	L (mm)	L1 (mm)	R (mm)	Weight (kg)	Box Quantity
LRBHK50X11V	50	170	114	75	0.20	1
LRBHK63X11V	63	180	120	95	0.30	1
LRBHK75X11V	75	200	132	113	0.50	1
LRBHK90X11V	90	220	145	135	0.70	1
LRBHK110X11V	110	230	150	165	1.10	1
LRBHK125X11V	125	260	169	188	1.60	1
LRBHK140X11V	140	300	196	210	2.40	1
LRBHK160X11V	160	300	194	240	3.10	1
LRBHK180X11V	180	330	213	270	4.30	1
LRBHK200X11V	200	420	274	300	7.10	1
LRBHK225X11V	225	450	292	338	9.00	1
LRBHK250X11V	250	530	346	375	13.20	1
LRBHK280X11V	280	530	343	420	16.60	1
LRBHK315X11V	315	630	409	473	26.40	1
LRBHK355X11V	355	650	419	533	33.40	1
LRBHK400X11V	400	660	422	600	42.30	1
LRBHK450X11V	450	660	401	900	55.50	1
LRBHK500X11V	500	1000	633	1000	110.50	1
LRBHK560X11V	560	1000	625	1120	138.20	1
LRBHK630X11V	630	1100	685	1260	175.00	1
LRBHK710X11V	710	1250	570	1440	266.70	1
LRBHK800X11V	800	1350	480	1600	339.00	1
LRBHK900X11V	900	1650	1480	1800	446.03	1



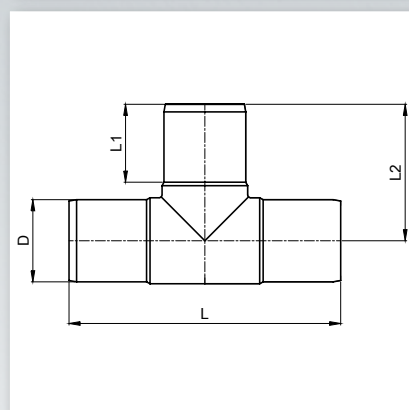
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Equal Tee



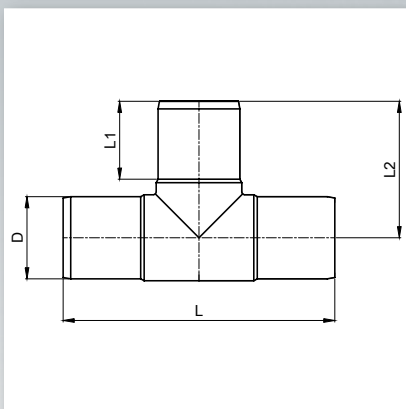
PE100 | SDR 11 | Water PN 16 | Gas 10 Bar

Code	D (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XLSETHK20N	20	132	41	66	0.04	50
XLSETHK25N	25	142	41	71	0.05	40
XLSETHK32N	32	154	44	77	0.07	30
XLSETHK40N	40	180	49	90	0.12	50
XLSETHK50N	50	218	55	109	0.17	47
XLSETHK63N	63	234	63	117	0.40	36
XLSETHK75N	75	268	70	134	0.60	22
XLSETHK90N	90	296	79	148	0.96	14
XLSETHK110N	110	332	82	166	1.58	14
XLSETHK125N	125	362	87	181	2.25	8
XLSETHK140N	140	378	92	189	2.92	6
XLSETHK160N	160	422	98	211	4.11	4
XLSETHK180N	180	466	105	233	6.04	3
XLSETHK200N	200	481	112	241	7.46	2
XLSETHK225N	225	527	120	264	10.34	2
XLSETHK250N	250	590	129	295	14.14	2
XLSETHK280N	280	690	139	345	21.66	1
XLSETHK315N	315	716	150	358	27.74	1
XLSETHK355N	355	790	164	391	39.80	1
XLSETHK400N	400	890	180	430	42.45	1
XLSETHK450N	450	984	195	470	77.30	1
XLSETHK500N	500	1090	215	515	101.00	1
XLSETHK560N	560	1200	235	565	141.00	1
XLSETHK630N	630	1330	253	618	187.00	1



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Equal Tee



PE100 | SDR 17 | Water PN 10 | Gas 6 Bar

Code	D (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XLSETHK50V	50	184	57	90	0.15	47
XLSETHK63V	63	234	63	117	0.29	36
XLSETHK75V	75	268	70	134	0.44	22
XLSETHK90V	90	296	79	148	0.69	14
XLSETHK110V	110	332	82	166	1.15	14
XLSETHK125V	125	362	87	181	1.59	8
XLSETHK140V	140	378	92	189	2.10	6
XLSETHK160V	160	422	98	211	3.13	4
XLSETHK180V	180	466	105	233	4.34	3
XLSETHK200V	200	481	112	241	5.35	2
XLSETHK225V	225	527	120	264	7.48	2
XLSETHK250V	250	590	129	295	10.14	2
XLSETHK280V	280	690	139	345	15.70	1
XLSETHK315V	315	716	150	358	20.90	1
XLSETHK355V	355	790	164	391	25.85	1
XLSETHK400V	400	890	180	430	35.02	1
XLSETHK450V	450	984	195	470	56.00	1
XLSETHK500V	500	1090	215	515	71.00	1
XLSETHK560V	560	1200	235	565	96.00	1
XLSETHK630V	630	1330	253	618	127.00	1

PE100 | SDR 7.4 | Water PN 25

Code	D (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XLSETHK25T	25	140	46	TBA	TBA	50
XLSETHK32T	32	147	50	TBA	TBA	30
XLSETHK40T	40	171	55	TBA	TBA	44
XLSETHK50T	50	180	56	TBA	TBA	30
XLSETHK63T	63	229	68	TBA	TBA	44
XLSETHK75T	75	256	72	TBA	TBA	28
XLSETHK90T	90	303	82	TBA	TBA	16
XLSETHK110T	110	336	92	TBA	TBA	7
XLSETHK125T	125	356	91	TBA	TBA	5
XLSETHK140T	140	390	96	TBA	TBA	70
XLSETHK160T	160	423	104	TBA	TBA	48
XLSETHK180T	180	450	105	TBA	TBA	35
XLSETHK200T	200	502	117	TBA	TBA	29
XLSETHK225T	225	538	120	TBA	TBA	20
XLSETHK250T	250	595	131	TBA	TBA	14
XLSETHK280T	280	653	126	TBA	TBA	10
XLSETHK315T	315	700	151	TBA	TBA	7



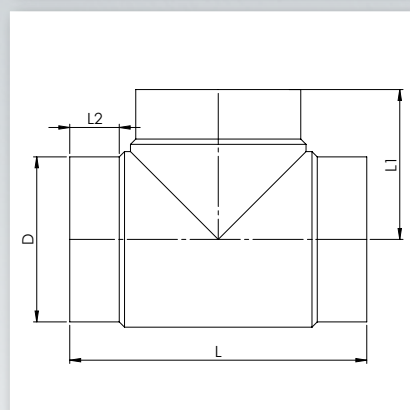
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Equal Tee - Short Spigot



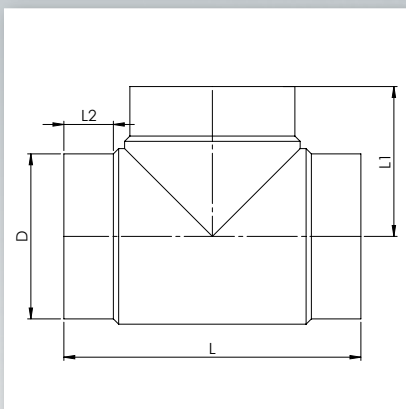
PE100 | SDR 11 | Water PN 16 | Gas 10 Bar

Code	D (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XSSETHK20N	20	76	38	11	0.03	90
XSSETHK25N	25	84	40	11	0.04	50
XSSETHK32N	32	87	42	11	0.06	30
XSSETHK40N	40	90	45	11	0.10	25
XSSETHK50N	50	100	50	12	0.16	10
XSSETHK63N	63	135	67	17	0.30	30
XSSETHK75N	75	153	75	19	0.40	16
XSSETHK90N	90	198	99	43	0.60	10
XSSETHK110N	110	254	127	55	1.40	6
XSSETHK125N	125	254	125	52	1.70	4
XSSETHK140N	140	314	153	65	2.80	5
XSSETHK160N	160	322	161	58	3.40	4
XSSETHK180N	180	430	214	94	5.90	2
XSSETHK200N	200	438	219	90	7.40	3
XSSETHK225N	225	452	226	76	9.70	3
XSSETHK250N	250	450	227	68	10.70	3
XSSETHK280N	280	530	265	87	16.30	1
XSSETHK315N	315	570	285	88	21.20	1
XSSETHK355N	355	698	349	103	31.80	1
XSSETHK400N	400	730	363	105	40.40	1
XSSETHK450N	450	837	419	137	67.00	1
XSSETHK500N	500	930	465	159	81.00	1



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Equal Tee - Short Spigot



PE100 | SDR 17 | Water PN 10 | Gas 6 Bar

Code	D (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XSSETHK50V	50	100	50	13	0.10	10
XSSETHK63V	63	136	67	17	0.20	30
XSSETHK75V	75	154	75	19	0.30	16
XSSETHK90V	90	198	99	42	0.40	10
XSSETHK110V	110	257	129	55	1.00	6
XSSETHK125V	125	254	125	52	1.20	4
XSSETHK140V	140	314	157	62	1.80	5
XSSETHK160V	160	320	160	57	2.40	4
XSSETHK180V	180	435	214	96	4.30	2
XSSETHK200V	200	440	220	93	5.20	3
XSSETHK225V	225	450	225	76	7.10	3
XSSETHK250V	250	450	225	67	7.70	3
XSSETHK280V	280	528	264	86	11.10	1
XSSETHK315V	315	565	282	87	14.90	1
XSSETHK355V	355	699	348	103	22.10	1
XSSETHK400V	400	722	361	105	28.90	1
XSSETHK450V	450	838	419	137	48.00	1
XSSETHK500V	500	940	471	163	59.50	1

PE100 | SDR 33 | Water PN 5

Code	D (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XSSETHK110Y	110	215	105	30	0.70	1
XSSETHK125Y	125	218	107	35	0.50	1
XSSETHK140Y	140	253	125	20	1.40	1
XSSETHK160Y	160	270	140	40	1.30	1
XSSETHK180Y	180	310	150	45	1.40	1
XSSETHK200Y	200	340	170	45	2.30	1
XSSETHK225Y	225	440	220	48	4.00	1
XSSETHK250Y	250	438	215	52	4.60	1
XSSETHK280Y	280	500	243	65	7.80	1
XSSETHK315Y	315	535	270	77	10.00	1
XSSETHK355Y	355	674	347	96	13.50	1
XSSETHK400Y	400	680	340	90	21.30	1



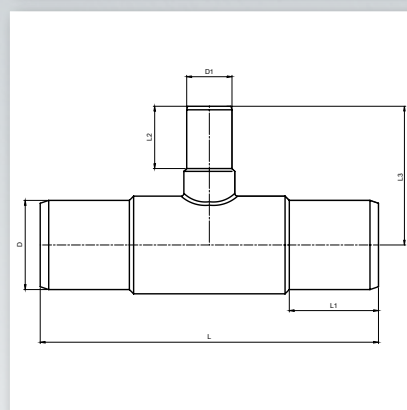
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Reducing Tee



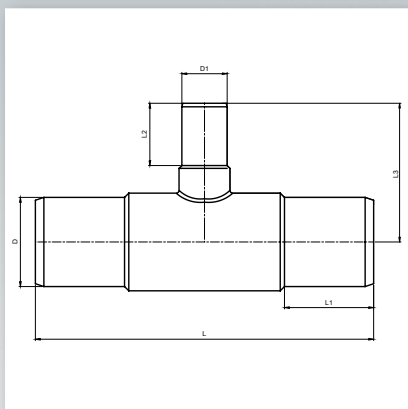
PE100 | SDR 11 | Water PN 16 | Gas 10 Bar

Code	D - D1 (mm)	L (mm)	L1 (mm)	L2 (mm)	L3 (mm)	Weight (kg)	Box Quantity
XLSRTHK50X25N	50-25	218	55	41	85	0.19	32
XLSRTHK50X32N	50-32	218	55	44	88	0.19	32
XLSRTHK50X40N	50-40	218	55	49	94	0.20	32
XLSRTHK63X32N	63-32	234	63	44	93	0.31	36
XLSRTHK63X40N	63-40	234	63	49	99	0.31	36
XLSRTHK63X50N	63-50	234	63	55	106	0.33	36
XLSRTHK75X32N	75-32	268	70	44	100	0.46	22
XLSRTHK75X40N	75-40	268	70	49	106	0.47	22
XLSRTHK75X50N	75-50	268	70	55	113	0.48	22
XLSRTHK75X63N	75-63	268	70	63	121	0.50	22
XLSRTHK90X50N	90-50	296	79	55	124	0.76	14
XLSRTHK90X63N	90-63	296	79	63	132	0.79	14
XLSRTHK90X75N	90-75	296	79	70	139	0.84	14
XLSRTHK110X50N	110-50	332	82	55	147	1.28	14
XLSRTHK110X63N	110-63	332	82	63	149	1.33	14
XLSRTHK110X75N	110-75	332	82	70	155	1.38	14
XLSRTHK110X90N	110-90	332	82	79	162	1.42	14
XLSRTHK125X63N	125-63	358	90	70	170	1.90	6
XLSRTHK125X90N	125-90	362	87	79	172	1.95	8
XLSRTHK125X110N	125-110	362	87	82	176	2.08	8
XLSRTHK140X90N	140-90	278	92	79	169	2.38	6
XLSRTHK140X110N	140-110	378	92	82	179	2.49	6
XLSRTHK140X125N	140-125	378	92	87	184	2.63	6
XLSRTHK160X63N	160-63	422	98	63	175	3.39	5
XLSRTHK160X75N	160-75	422	98	70	182	3.44	5
XLSRTHK160X90N	160-90	422	98	79	191	3.48	5
XLSRTHK160X110N	160-110	422	98	82	195	3.62	4
XLSRTHK160X125N	160-125	422	98	87	200	3.71	4
XLSRTHK180X90N	180-90	466	105	79	206	4.86	3
XLSRTHK180X110N	180-110	466	105	82	210	4.93	3
XLSRTHK180X125N	180-125	466	105	87	215	5.10	3
XLSRTHK180X160N	180-160	466	105	98	226	5.36	3
XLSRTHK200X63N	200-63	481	112	63	191	6.15	3
XLSRTHK200X90N	200-90	481	112	79	206	6.20	3
XLSRTHK200X110N	200-110	481	112	82	210	6.35	3
XLSRTHK200X125N	200-125	481	112	87	225	6.50	3
XLSRTHK200X160N	200-160	481	112	92	226	6.76	3
XLSRTHK225X90N	225-90	527	120	79	221	8.60	2
XLSRTHK225X110N	225-110	527	120	82	225	8.80	2
XLSRTHK225X125N	225-125	527	120	87	238	8.95	2
XLSRTHK225X160N	225-160	527	120	98	241	9.07	2
XLSRTHK225X180N	225-180	540	120	106	249	9.30	2



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Reducing Tee



PE100 | SDR 11 | Water PN 16 | Gas 10 Bar

Code	D - D1 (mm)	L (mm)	L1 (mm)	L2 (mm)	L3 (mm)	Weight (kg)	Box Quantity
XLSRTHK250X90N	250-90	590	129	79	243	11.46	2
XLSRTHK250X110N	250-110	590	129	82	247	11.60	2
XLSRTHK250X125N	250-125	590	129	87	252	11.64	2
XLSRTHK250X160N	250-160	590	129	98	263	12.00	2
XLSRTHK250X225N	250-225	590	129	120	285	12.97	2
XLSRTHK280X110N	280-110	690	139	82	286	18.40	1
XLSRTHK280X160N	280-160	690	139	98	302	18.55	1
XLSRTHK280X200N	280-200	690	139	112	316	19.10	1
XLSRTHK280X225N	280-225	690	139	120	324	19.76	1
XLSRTHK280X250N	280-250	690	139	129	334	20.50	1
XLSRTHK315X110N	315-110	716	150	82	287	22.60	1
XLSRTHK315X160N	315-160	716	150	98	303	23.80	1
XLSRTHK315X200N	315-200	716	150	112	317	24.50	1
XLSRTHK315X225N	315-225	716	150	120	325	24.80	1
XLSRTHK315X250N	315-250	716	150	129	335	25.10	1
XLSRTHK355X110N	355-110	674	170	82	311	29.20	1
XLSRTHK355X160N	355-160	674	170	98	327	34.70	1
XLSRTHK355X225N	355-225	674	170	120	349	45.10	1
XLSRTHK400X110N	400-110	740	180	82	334	34.40	1
XLSRTHK400X160N	400-160	740	180	98	350	40.50	1
XLSRTHK400X225N	400-225	740	180	120	372	51.50	1
XLSRTHK560X250N	560-250	960	235	132	566	108.50	1



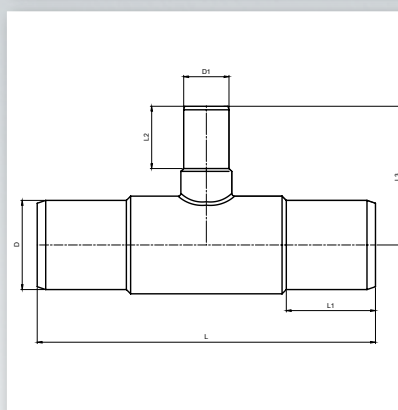
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Reducing Tee



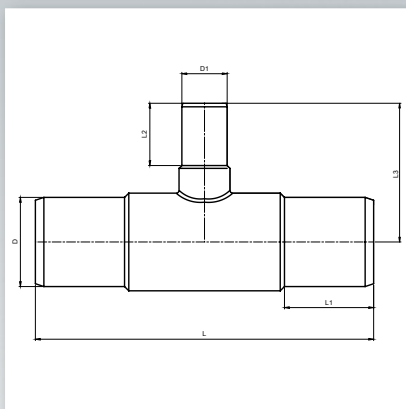
PE100 | SDR 17 | Water PN 10 | Gas 6 Bar

Code	D - D1 (mm)	L (mm)	L1 (mm)	L2 (mm)	L3 (mm)	Weight (kg)	Box Quantity
XLSRTHK75X63V	75-63	268	70	63	121	0.39	22
XLSRTHK90X63V	90-63	296	79	63	132	0.60	14
XLSRTHK90X75V	90-75	296	79	70	139	0.61	14
XLSRTHK110X63V	110-63	332	82	63	149	1.01	14
XLSRTHK110X75V	110-75	332	82	70	155	1.05	14
XLSRTHK110X90V	110-90	332	82	79	162	1.09	14
XLSRTHK125X63V	125-63	358	90	70	170	1.40	6
XLSRTHK125X90V	125-90	362	87	79	172	1.42	8
XLSRTHK125X110V	125-110	362	87	82	176	1.51	8
XLSRTHK140X90V	140-90	278	92	79	169	1.63	6
XLSRTHK140X110V	140-110	378	92	82	179	1.76	6
XLSRTHK140X125V	140-125	378	92	87	184	1.85	6
XLSRTHK160X63V	160-63	422	98	63	175	2.48	5
XLSRTHK160X75V	160-75	422	98	70	182	2.52	5
XLSRTHK160X90V	160-90	422	98	79	191	2.57	5
XLSRTHK160X110V	160-110	422	98	82	195	2.62	4
XLSRTHK160X125V	160-125	422	98	87	200	2.74	4
XLSRTHK180X90V	180-90	466	105	79	206	3.55	3
XLSRTHK180X110V	180-110	466	105	82	210	3.59	3
XLSRTHK180X125V	180-125	466	105	87	215	3.70	3
XLSRTHK180X160V	180-160	466	105	98	226	3.85	3
XLSRTHK200X63V	200-63	481	112	63	191	4.45	3
XLSRTHK200X90V	200-90	481	112	79	206	4.60	3
XLSRTHK200X110V	200-110	481	112	82	210	4.62	3
XLSRTHK200X125V	200-125	481	112	87	225	4.76	3
XLSRTHK200X160V	200-160	481	112	92	226	4.85	3
XLSRTHK225X90V	225-90	527	120	79	221	6.33	2
XLSRTHK225X110V	225-110	527	120	82	225	6.40	2
XLSRTHK225X125V	225-125	527	120	87	238	6.50	2
XLSRTHK225X160V	225-160	527	120	98	241	6.60	2
XLSRTHK225X180V	225-180	540	120	106	249	6.80	2
XLSRTHK250X90V	250-90	590	129	79	243	8.36	2
XLSRTHK250X110V	250-110	590	129	82	247	8.42	2
XLSRTHK250X125V	250-125	590	129	87	252	8.60	2
XLSRTHK250X160V	250-160	590	129	98	263	8.74	2
XLSRTHK250X225V	250-225	590	129	120	285	9.45	2
XLSRTHK280X110V	280-110	690	139	82	286	13.25	1
XLSRTHK280X160V	280-160	690	139	98	302	13.65	1
XLSRTHK280X200V	280-200	690	139	112	316	14.17	1
XLSRTHK280X225V	280-225	690	139	120	324	14.58	1
XLSRTHK280X250V	280-250	690	139	129	334	15.10	1



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Reducing Tee



PE100 | SDR 17 | Water PN 10 | Gas 6 Bar

Code	D - D1 (mm)	L (mm)	L1 (mm)	L2 (mm)	L3 (mm)	Weight (kg)	Box Quantity
XLSRTHK315X110V	315-110	716	150	82	287	16.42	1
XLSRTHK315X160V	315-160	716	150	98	303	16.50	1
XLSRTHK315X200V	315-200	716	150	112	317	16.96	1
XLSRTHK315X225V	315-225	716	150	120	325	17.50	1
XLSRTHK315X250V	315-250	716	150	129	335	18.00	1
XLSRTHK355X110V	355-110	674	170	82	311	27.70	1
XLSRTHK355X160V	355-160	674	170	98	327	33.00	1
XLSRTHK355X225V	355-225	674	170	120	349	42.80	1
XLSRTHK400X110V	400-110	740	180	82	334	32.70	1
XLSRTHK400X160V	400-160	740	180	98	350	38.50	1
XLSRTHK400X225V	400-225	740	180	120	372	48.90	1
XLSRTHK560X250V	560-250	960	235	132	566	103.10	1

PE100 | SDR 7.4 | Water PN 25

Code	D - D1 (mm)	L (mm)	L1 (mm)	L2 (mm)	L3 (mm)	Weight (kg)	Box Quantity
XLSRTHK90X50T	90-50	296	79	55	124	TBA	20
XLSRTHK90X63T	90-63	296	79	63	132	TBA	20
XLSRTHK110X50T	110-50	332	82	55	147	TBA	13
XLSRTHK110X63T	110-63	332	82	63	149	TBA	8
XLSRTHK110X90T	110-90	332	82	79	162	TBA	7
XLSRTHK125X63T	125-63	358	90	70	170	TBA	6
XLSRTHK125X90T	125-90	362	87	79	172	TBA	6
XLSRTHK160X63T	160-63	422	98	63	175	TBA	60
XLSRTHK160X90T	160-90	422	98	79	191	TBA	54
XLSRTHK160X110T	160-110	422	98	82	195	TBA	54
XLSRTHK160X125T	160-125	422	98	87	200	TBA	54



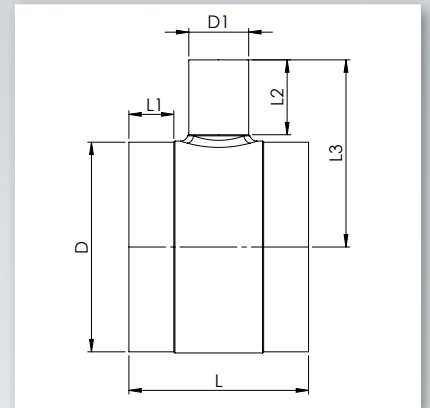
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Reducing Tee - Short Spigot



PE100 | SDR 11 | Water PN 16 | Gas 10 Bar

Code	D - D1 (mm)	L (mm)	L1 (mm)	L2 (mm)	L3 (mm)	Weight (kg)	Box Quantity
XSSRTHK90X32N	90-32	53	55	41	85	0.60	1
XSSRTHK110X32N	110-32	66	55	44	88	0.90	1
XSSRTHK110X50N	110-50	66	55	49	94	0.90	1
XSSRTHK125X63N	125-63	70	63	44	93	1.40	1
XSSRTHK140X63N	140-63	83	63	49	99	1.90	1
XSSRTHK140X75N	140-75	81	63	55	106	1.30	1
XSSRTHK140X90N	140-90	81	70	44	100	1.90	1
XSSRTHK140X110N	140-110	50	70	49	106	2.20	1
XSSRTHK160X125N	160-125	58	70	55	113	3.00	1
XSSRTHK180X63N	180-63	125	70	63	121	3.30	1
XSSRTHK180X75N	180-75	112	79	55	124	3.50	1
XSSRTHK180X125N	180-125	92	79	63	132	3.40	1



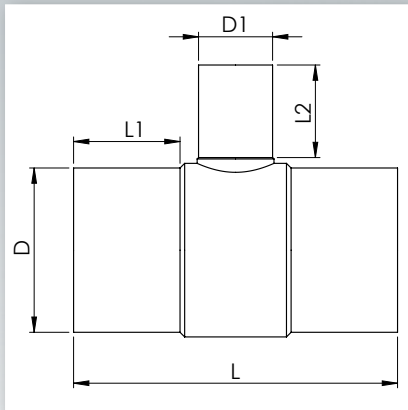
PE100 | SDR 17 | Water PN 10 | Gas 6 Bar

Code	D - D1 (mm)	L (mm)	L1 (mm)	L2 (mm)	L3 (mm)	Weight (kg)	Box Quantity
XSSRTHK140X63V	140-63	83	70	63	121	1.30	1
XSSRTHK140X75V	140-75	81	79	63	132	1.30	1
XSSRTHK140X90V	140-90	81	79	70	139	1.40	1
XSSRTHK140X110V	140-110	50	82	63	149	1.70	1
XSSRTHK160X125V	160-125	58	82	70	155	2.20	1
XSSRTHK180X63V	180-63	125	82	79	162	2.30	1
XSSRTHK180X75V	180-75	112	90	70	170	2.40	1
XSSRTHK180X125V	180-125	92	87	79	172	2.50	1



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Reducing Tee - Butt Welded Spigot



PE100 | SDR 11 | Water PN 16 | Gas 10 Bar

Code	D - D1 (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XLSRTHK355X90N	355-90	700	230	200	TBA	1
XLSRTHK355X125N	355-125	700	230	200	TBA	1
XLSRTHK355X140N	355-140	700	230	200	TBA	1
XLSRTHK355X180N	355-180	700	230	200	TBA	1
XLSRTHK400X90N	400-90	700	230	200	TBA	1
XLSRTHK400X125N	400-125	700	230	200	TBA	1
XLSRTHK400X140N	400-140	700	230	200	TBA	1
XLSRTHK400X180N	400-180	700	230	200	TBA	1
XLSRTHK450X90N	450-90	700	230	200	TBA	1
XLSRTHK450X110N	450-110	700	230	200	TBA	1
XLSRTHK450X125N	450-125	700	230	200	TBA	1
XLSRTHK450X140N	450-140	700	230	200	TBA	1
XLSRTHK450X160N	450-160	700	230	200	TBA	1
XLSRTHK450X180N	450-180	700	230	200	TBA	1
XLSRTHK450X200N	450-200	700	230	200	TBA	1
XLSRTHK500X90N	500-90	700	230	200	TBA	1
XLSRTHK500X110N	500-110	700	230	200	TBA	1
XLSRTHK500X125N	500-125	700	230	200	TBA	1
XLSRTHK500X140N	500-140	700	230	200	TBA	1
XLSRTHK500X160N	500-160	700	230	200	TBA	1
XLSRTHK500X180N	500-180	700	230	200	TBA	1
XLSRTHK500X200N	500-200	720	230	200	TBA	1
XLSRTHK500X225N	500-225	730	230	200	TBA	1



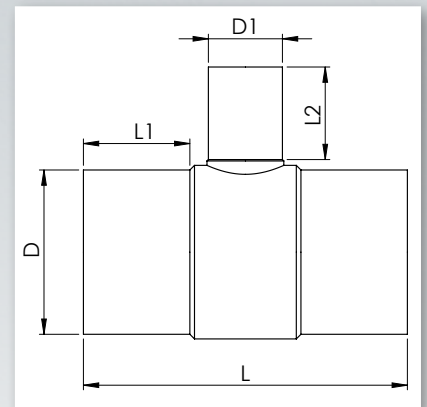
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Reducing Tee - Butt Welded Spigot



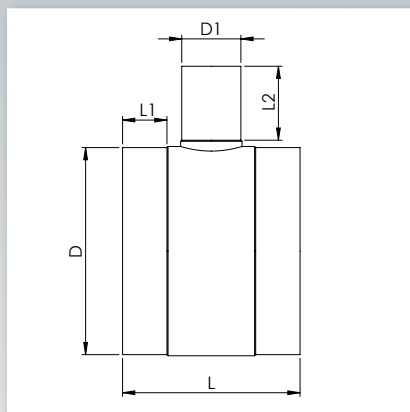
PE100 | SDR 17 | Water PN 10 | Gas 6 Bar

Code	D - D1 (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XLSRTHK355X90V	355-90	700	230	200	TBA	1
XLSRTHK355X125V	355-125	700	230	200	TBA	1
XLSRTHK355X140V	355-140	700	230	200	TBA	1
XLSRTHK355X180V	355-180	700	230	200	TBA	1
XLSRTHK400X90V	400-90	700	230	200	TBA	1
XLSRTHK400X125V	400-125	700	230	200	TBA	1
XLSRTHK400X160V	400-160	700	230	200	TBA	1
XLSRTHK400X180V	400-180	700	230	200	TBA	1
XLSRTHK450X90V	450-90	700	230	200	TBA	1
XLSRTHK450X110V	450-110	700	230	200	TBA	1
XLSRTHK450X125V	450-125	700	230	200	TBA	1
XLSRTHK450X140V	450-140	700	230	200	TBA	1
XLSRTHK450X160V	450-160	700	230	200	TBA	1
XLSRTHK450X180V	450-180	700	230	200	TBA	1
XLSRTHK450X200V	450-200	700	230	200	TBA	1
XLSRTHK500X90V	500-90	700	230	200	TBA	1
XLSRTHK500X110V	500-110	700	230	200	TBA	1
XLSRTHK500X125V	500-125	700	230	200	TBA	1
XLSRTHK500X140V	500-140	700	230	200	TBA	1
XLSRTHK500X160V	500-160	700	230	200	TBA	1
XLSRTHK500X180V	500-180	700	230	200	TBA	1
XLSRTHK500X200V	500-200	720	230	200	TBA	1
XLSRTHK500X225V	500-225	730	230	200	TBA	1



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Reducing Tee - Butt Welded - Short Spigot



PE100 | SDR 11 | Water PN 16 | Gas 10 Bar

Code	D - D1 (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XLSRTHK560X90N	560-90	480	120	200	TBA	1
XLSRTHK560X110N	560-110	480	120	200	TBA	1
XLSRTHK560X125N	560-125	480	120	200	TBA	1
XLSRTHK560X140N	560-140	480	120	200	TBA	1
XLSRTHK560X160N	560-160	480	120	200	TBA	1
XLSRTHK560X180N	560-180	480	120	200	TBA	1
XLSRTHK560X200N	560-200	480	110	200	TBA	1
XLSRTHK630X90N	630-90	530	130	200	TBA	1
XLSRTHK630X110N	630-110	530	130	200	TBA	1
XLSRTHK630X125N	630-125	530	130	200	TBA	1
XLSRTHK630X140N	630-140	530	130	200	TBA	1
XLSRTHK630X160N	630-160	530	130	200	TBA	1
XLSRTHK630X180N	630-180	530	130	200	TBA	1
XLSRTHK630X200N	630-200	530	130	200	TBA	1
XLSRTHK630X225N	630-225	530	110	200	TBA	1
XLSRTHK710X90N	710-90	530	130	200	TBA	1
XLSRTHK710X110N	710-110	530	130	200	TBA	1
XLSRTHK710X125N	710-125	530	130	200	TBA	1
XLSRTHK710X140N	710-140	530	130	200	TBA	1
XLSRTHK710X160N	710-160	530	130	200	TBA	1
XLSRTHK710X180N	710-180	530	130	200	TBA	1
XLSRTHK710X200N	710-200	530	130	200	TBA	1
XLSRTHK710X225N	710-225	530	110	200	TBA	1
XLSRTHK710X250N	710-225	530	100	200	TBA	1
XLSRTHK800X90N	800-90	540	120	200	TBA	1
XLSRTHK800X110N	800-110	540	120	200	TBA	1
XLSRTHK800X125N	800-125	540	120	200	TBA	1
XLSRTHK800X140N	800-140	540	120	200	TBA	1
XLSRTHK800X160N	800-160	540	120	200	TBA	1
XLSRTHK800X180N	800-180	540	120	200	TBA	1
XLSRTHK800X200N	800-200	540	120	200	TBA	1
XLSRTHK800X225N	800-225	540	110	200	TBA	1
XLSRTHK800X250N	800-250	540	110	200	TBA	1
XLSRTHK800X315N	800-315	540	120	200	TBA	1
XLSRTHK900X90N	900-90	540	130	200	TBA	1
XLSRTHK900X110N	900-110	540	130	200	TBA	1
XLSRTHK900X125N	900-125	540	130	200	TBA	1
XLSRTHK900X140N	900-140	540	130	200	TBA	1
XLSRTHK900X160N	900-160	540	130	200	TBA	1
XLSRTHK900X180N	900-180	540	130	200	TBA	1



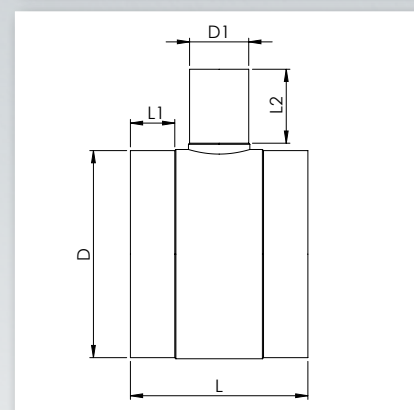
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Reducing Tee - Butt Welded - Short Spigot



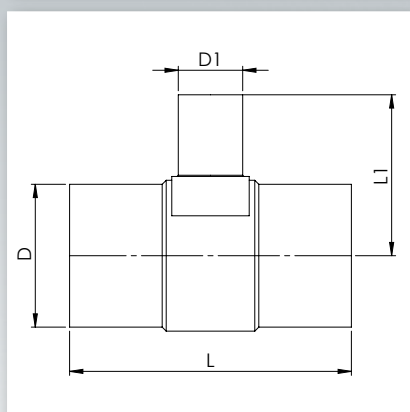
PE100 | SDR 17 | Water PN 10 | Gas 6 Bar

Code	D - D1 (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XLSRTHK560X90V	560-90	480	120	200	TBA	1
XLSRTHK560X110V	560-110	480	120	200	TBA	1
XLSRTHK560X125V	560-125	480	120	200	TBA	1
XLSRTHK560X140V	560-140	480	120	200	TBA	1
XLSRTHK560X160V	560-160	480	120	200	TBA	1
XLSRTHK560X180V	560-180	480	120	200	TBA	1
XLSRTHK560X200V	560-200	480	110	200	TBA	1
XLSRTHK630X90V	630-90	530	130	200	TBA	1
XLSRTHK630X110V	630-110	530	130	200	TBA	1
XLSRTHK630X125V	630-125	530	130	200	TBA	1
XLSRTHK630X140V	630-140	530	130	200	TBA	1
XLSRTHK630X160V	630-160	530	130	200	TBA	1
XLSRTHK630X180V	630-180	530	130	200	TBA	1
XLSRTHK630X200V	630-200	530	130	200	TBA	1
XLSRTHK630X225V	630-225	530	110	200	TBA	1
XLSRTHK710X90V	710-90	530	130	200	TBA	1
XLSRTHK710X110V	710-110	530	130	200	TBA	1
XLSRTHK710X125V	710-125	530	130	200	TBA	1
XLSRTHK710X140V	710-140	530	130	200	TBA	1
XLSRTHK710X160V	710-160	530	130	200	TBA	1
XLSRTHK710X180V	710-180	530	130	200	TBA	1
XLSRTHK710X200V	710-200	530	130	200	TBA	1
XLSRTHK710X225V	710-225	530	110	200	TBA	1
XLSRTHK710X250V	710-225	530	100	200	TBA	1
XLSRTHK800X90V	800-90	540	120	200	TBA	1
XLSRTHK800X110V	800-110	540	120	200	TBA	1
XLSRTHK800X125V	800-125	540	120	200	TBA	1
XLSRTHK800X140V	800-140	540	120	200	TBA	1
XLSRTHK800X160V	800-160	540	120	200	TBA	1
XLSRTHK800X180V	800-180	540	120	200	TBA	1
XLSRTHK800X200V	800-200	540	120	200	TBA	1
XLSRTHK800X225V	800-225	540	110	200	TBA	1
XLSRTHK800X250V	800-250	540	110	200	TBA	1
XLSRTHK800X315V	800-315	540	120	200	TBA	1
XLSRTHK900X90V	900-90	540	130	200	TBA	1
XLSRTHK900X110V	900-110	540	130	200	TBA	1
XLSRTHK900X125V	900-125	540	130	200	TBA	1
XLSRTHK900X140V	900-140	540	130	200	TBA	1
XLSRTHK900X160V	900-160	540	130	200	TBA	1
XLSRTHK900X180V	900-180	540	130	200	TBA	1



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Reducing and Equal Tee (machined)



PE100 | SDR 11 | Water PN 16

Code	D - D1 (mm)	L (mm)	L1 (mm)	Weight (kg)	Box Quantity
XMLSRTHK250X63N	250-63	670	350	TBA	1
XMLSRTHK250X75N	250-75	680	350	TBA	1
XMLSRTHK250X90N	250-90	695	350	TBA	1
XMLSRTK250X110N	250-110	715	350	TBA	1
XMLSRTK250X125N	250-125	730	350	TBA	1
XMLSRTK250X140N	250-140	745	350	TBA	1
XMLSRTK250X160N	250-160	765	350	TBA	1
XMLSRTK250X180N	250-180	785	350	TBA	1
XMLSRTK250X200N	250-200	805	350	TBA	1
XMLSRTK250X225N	250-225	830	350	TBA	1
XMLSRTHK280X63N	280-63	670	365	TBA	1
XMLSRTHK280X75N	280-75	680	365	TBA	1
XMLSRTHK280X90N	280-90	695	365	TBA	1
XMLSRTK280X110N	280-110	715	365	TBA	1
XMLSRTK280X125N	280-125	730	365	TBA	1
XMLSRTK280X140N	280-140	745	365	TBA	1
XMLSRTK280X160N	280-160	765	365	TBA	1
XMLSRTK280X180N	280-180	785	365	TBA	1
XMLSRTK280X200N	280-200	805	365	TBA	1
XMLSRTK280X225N	280-225	830	365	TBA	1
XMLSRTHK315X75N	315-75	680	380	TBA	1
XMLSRTHK315X90N	315-90	695	380	TBA	1
XMLSRTK315X110N	315-110	715	380	TBA	1
XMLSRTK315X125N	315-125	730	380	TBA	1
XMLSRTK315X140N	315-140	745	380	TBA	1
XMLSRTK315X160N	315-160	765	380	TBA	1
XMLSRTK315X180N	315-180	785	380	TBA	1
XMLSRTK315X200N	315-200	805	380	TBA	1
XMLSRTK315X225N	315-225	830	380	TBA	1
XMLSRTK315X250N	315-250	855	380	TBA	1
XMLSRTHK355X90N	355-90	705	400	TBA	1
XMLSRTK355X110N	355-110	725	400	TBA	1
XMLSRTK355X125N	355-125	740	400	TBA	1
XMLSRTK355X140N	355-140	755	400	TBA	1
XMLSRTK355X160N	355-160	775	400	TBA	1
XMLSRTK355X180N	355-180	795	400	TBA	1
XMLSRTK355X200N	355-200	815	400	TBA	1
XMLSRTK355X225N	355-225	840	400	TBA	1
XMLSRTK355X250N	355-250	865	400	TBA	1
XMLSRTK355X280N	355-280	900	400	TBA	1



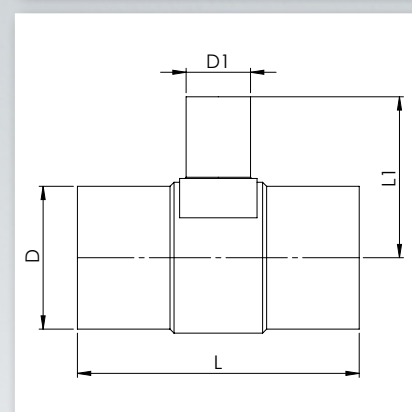
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Reducing and Equal Tee (machined)



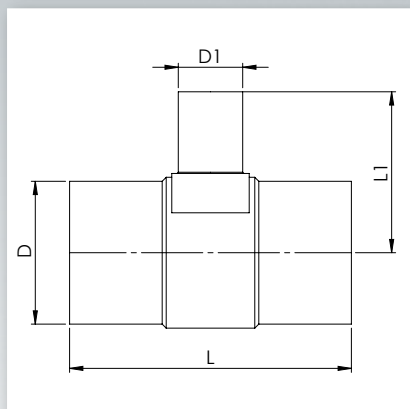
PE100 | SDR 11 | Water PN 16

Code	D - D1 (mm)	L (mm)	L1 (mm)	Weight (kg)	Box Quantity
XMLSRTK400X110N	400-110	725	425	TBA	1
XMLSRTK400X125N	400-125	740	425	TBA	1
XMLSRTK400X140N	400-140	755	425	TBA	1
XMLSRTK400X160N	400-160	775	425	TBA	1
XMLSRTK400X180N	400-180	795	425	TBA	1
XMLSRTK400X200N	400-200	815	425	TBA	1
XMLSRTK400X225N	400-225	840	425	TBA	1
XMLSRTK400X250N	400-250	865	425	TBA	1
XMLSRTK400X280N	400-280	900	425	TBA	1
XMLSRTK400X315N	400-315	935	425	TBA	1
XMLSRTK450X125N	450-125	940	450	TBA	1
XMLSRTK450X140N	450-140	955	450	TBA	1
XMLSRTK450X160N	450-160	975	450	TBA	1
XMLSRTK450X180N	450-180	995	450	TBA	1
XMLSRTK450X200N	450-200	1015	450	TBA	1
XMLSRTK450X225N	450-225	1040	450	TBA	1
XMLSRTK450X250N	450-250	1065	450	TBA	1
XMLSRTK450X280N	450-280	1100	450	TBA	1
XMLSRTK450X315N	450-315	1135	450	TBA	1
XMLSRTK450X355N	450-355	1175	450	TBA	1
XMLSRTK500X140N	500-140	955	475	TBA	1
XMLSRTK500X160N	500-160	975	475	TBA	1
XMLSRTK500X180N	500-180	995	475	TBA	1
XMLSRTK500X200N	500-200	1015	475	TBA	1
XMLSRTK500X225N	500-225	1040	475	TBA	1
XMLSRTK500X250N	500-250	1065	475	TBA	1
XMLSRTK500X280N	500-280	1100	475	TBA	1
XMLSRTK500X315N	500-315	1135	475	TBA	1
XMLSRTK500X355N	500-355	1175	475	TBA	1
XMLSRTK500X400N	500-400	1220	475	TBA	1
XMLSRTK560X160N	560-160	975	500	TBA	1
XMLSRTK560X180N	560-180	995	500	TBA	1
XMLSRTK560X200N	560-200	1015	500	TBA	1
XMLSRTK560X225N	560-225	1040	500	TBA	1
XMLSRTK560X250N	560-250	1065	500	TBA	1
XMLSRTK560X280N	560-280	1100	500	TBA	1
XMLSRTK560X315N	560-315	1135	500	TBA	1
XMLSRTK560X355N	560-355	1175	500	TBA	1
XMLSRTK560X400N	560-400	1220	500	TBA	1
XMLSRTK560X450N	560-450	1270	500	TBA	1



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Reducing and Equal Tee (machined)



PE100 | SDR 11 | Water PN 16

Code	D - D1 (mm)	L (mm)	L1 (mm)	Weight (kg)	Box Quantity
XMLSRTK630X180N	630-180	995	540	TBA	1
XMLSRTK630X200N	630-200	1015	540	TBA	1
XMLSRTK630X225N	630-225	1040	540	TBA	1
XMLSRTK630X250N	630-250	1065	540	TBA	1
XMLSRTK630X280N	630-280	1100	540	TBA	1
XMLSRTK630X315N	630-315	1135	540	TBA	1
XMLSRTK630X355N	630-355	1175	540	TBA	1
XMLSRTK630X400N	630-400	1220	540	TBA	1
XMLSRTK630X450N	630-450	1270	540	TBA	1
XMLSRTK630X500N	630-500	1320	540	TBA	1
XMLSRTK710X180N	710-180	1180	620	TBA	1
XMLSRTK710X200N	710-200	1200	620	TBA	1
XMLSRTK710X225N	710-225	1225	620	TBA	1
XMLSRTK710X250N	710-250	1250	620	TBA	1
XMLSRTK710X280N	710-280	1280	620	TBA	1
XMLSRTK710X315N	710-315	1315	620	TBA	1
XMLSRTK710X355N	710-355	1355	620	TBA	1
XMLSRTK710X400N	710-400	1400	620	TBA	1
XMLSRTK710X450N	710-450	1450	620	TBA	1
XMLSRTK710X500N	710-500	1500	620	TBA	1
XMLSRTK710X560N	710-560	1560	620	TBA	1
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* Equal Tee



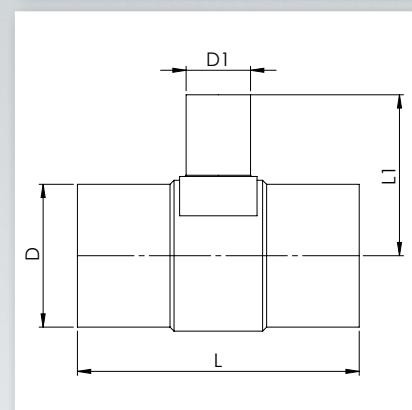
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Reducing and Equal Tee (machined)



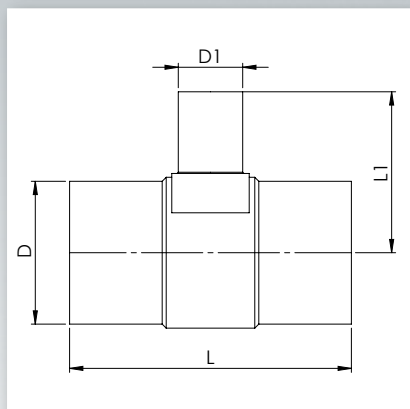
PE100 | SDR 17 | Water PN 10

Code	D - D1 (mm)	L (mm)	L1 (mm)	Weight (kg)	Box Quantity
XMLSRTHK250X63V	250-63	670	350	TBA	1
XMLSRTHK250X75V	250-75	680	350	TBA	1
XMLSRTHK250X90V	250-90	695	350	TBA	1
XMLSRTK250X110V	250-110	715	350	TBA	1
XMLSRTK250X125V	250-125	730	350	TBA	1
XMLSRTK250X140V	250-140	745	350	TBA	1
XMLSRTK250X160V	250-160	765	350	TBA	1
XMLSRTK250X180V	250-180	785	350	TBA	1
XMLSRTK250X200V	250-200	805	350	TBA	1
XMLSRTK250X225V	250-225	830	350	TBA	1
XMLSRTHK280X63V	280-63	670	365	TBA	1
XMLSRTHK280X75V	280-75	680	365	TBA	1
XMLSRTHK280X90V	280-90	695	365	TBA	1
XMLSRTK280X110V	280-110	715	365	TBA	1
XMLSRTK280X125V	280-125	730	365	TBA	1
XMLSRTK280X140V	280-140	745	365	TBA	1
XMLSRTK280X160V	280-160	765	365	TBA	1
XMLSRTK280X180V	280-180	785	365	TBA	1
XMLSRTK280X200V	280-200	805	365	TBA	1
XMLSRTK280X225V	280-225	830	365	TBA	1
XMLSRTHK315X75V	315-75	680	380	TBA	1
XMLSRTHK315X90V	315-90	695	380	TBA	1
XMLSRTK315X110V	315-110	715	380	TBA	1
XMLSRTK315X125V	315-125	730	380	TBA	1
XMLSRTK315X140V	315-140	745	380	TBA	1
XMLSRTK315X160V	315-160	765	380	TBA	1
XMLSRTK315X180V	315-180	785	380	TBA	1
XMLSRTK315X200V	315-200	805	380	TBA	1
XMLSRTK315X225V	315-225	830	380	TBA	1
XMLSRTK315X250V	315-250	855	380	TBA	1
XMLSRTHK355X90V	355-90	705	400	TBA	1
XMLSRTK355X110V	355-110	725	400	TBA	1
XMLSRTK355X125V	355-125	740	400	TBA	1
XMLSRTK355X140V	355-140	755	400	TBA	1
XMLSRTK355X160V	355-160	775	400	TBA	1
XMLSRTK355X180V	355-180	795	400	TBA	1
XMLSRTK355X200V	355-200	815	400	TBA	1
XMLSRTK355X225V	355-225	840	400	TBA	1
XMLSRTK355X250V	355-250	865	400	TBA	1
XMLSRTK355X280V	355-280	900	400	TBA	1



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Reducing and Equal Tee (machined)



PE100 | SDR 17 | Water PN 10

Code	D - D1 (mm)	L (mm)	L1 (mm)	Weight (kg)	Box Quantity
XMLSRTK400X110V	400-110	725	425	TBA	1
XMLSRTK400X125V	400-125	740	425	TBA	1
XMLSRTK400X140V	400-140	755	425	TBA	1
XMLSRTK400X160V	400-160	775	425	TBA	1
XMLSRTK400X180V	400-180	795	425	TBA	1
XMLSRTK400X200V	400-200	815	425	TBA	1
XMLSRTK400X225V	400-225	840	425	TBA	1
XMLSRTK400X250V	400-250	865	425	TBA	1
XMLSRTK400X280V	400-280	900	425	TBA	1
XMLSRTK400X315V	400-315	935	425	TBA	1
XMLSRTK450X125V	450-125	940	450	TBA	1
XMLSRTK450X140V	450-140	955	450	TBA	1
XMLSRTK450X160V	450-160	975	450	TBA	1
XMLSRTK450X180V	450-180	995	450	TBA	1
XMLSRTK450X200V	450-200	1015	450	TBA	1
XMLSRTK450X225V	450-225	1040	450	TBA	1
XMLSRTK450X250V	450-250	1065	450	TBA	1
XMLSRTK450X280V	450-280	1100	450	TBA	1
XMLSRTK450X315V	450-315	1135	450	TBA	1
XMLSRTK450X355V	450-355	1175	450	TBA	1
XMLSRTK500X140V	500-140	955	475	TBA	1
XMLSRTK500X160V	500-160	975	475	TBA	1
XMLSRTK500X180V	500-180	995	475	TBA	1
XMLSRTK500X200V	500-200	1015	475	TBA	1
XMLSRTK500X225V	500-225	1040	475	TBA	1
XMLSRTK500X250V	500-250	1065	475	TBA	1
XMLSRTK500X280V	500-280	1100	475	TBA	1
XMLSRTK500X315V	500-315	1135	475	TBA	1
XMLSRTK500X355V	500-355	1175	475	TBA	1
XMLSRTK500X400V	500-400	1220	475	TBA	1
XMLSRTK560X160V	560-160	975	500	TBA	1
XMLSRTK560X180V	560-180	995	500	TBA	1
XMLSRTK560X200V	560-200	1015	500	TBA	1
XMLSRTK560X225V	560-225	1040	500	TBA	1
XMLSRTK560X250V	560-250	1065	500	TBA	1
XMLSRTK560X280V	560-280	1100	500	TBA	1
XMLSRTK560X315V	560-315	1135	500	TBA	1
XMLSRTK560X355V	560-355	1175	500	TBA	1
XMLSRTK560X400V	560-400	1220	500	TBA	1
XMLSRTK560X450V	560-450	1270	500	TBA	1



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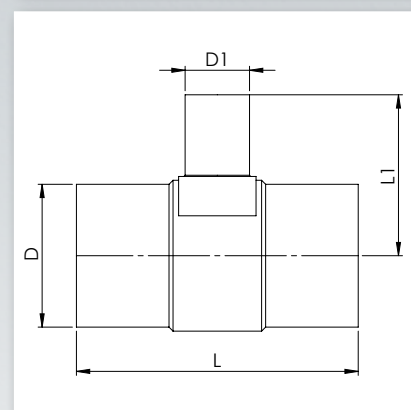
Reducing and Equal Tee (machined)



PE100 | SDR 17 | Water PN 10

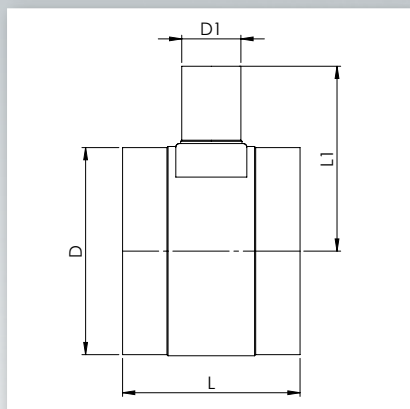
Code	D - D1 (mm)	L (mm)	L1 (mm)	Weight (kg)	Box Quantity
XMLSRTK630X180V	630-180	995	540	TBA	1
XMLSRTK630X200V	630-200	1015	540	TBA	1
XMLSRTK630X225V	630-225	1040	540	TBA	1
XMLSRTK630X250V	630-250	1065	540	TBA	1
XMLSRTK630X280V	630-280	1100	540	TBA	1
XMLSRTK630X315V	630-315	1135	540	TBA	1
XMLSRTK630X355V	630-355	1175	540	TBA	1
XMLSRTK630X400V	630-400	1220	540	TBA	1
XMLSRTK630X450V	630-450	1270	540	TBA	1
XMLSRTK630X500V	630-500	1320	540	TBA	1
XMLSRTK710X180V	710-180	1180	620	TBA	1
XMLSRTK710X200V	710-200	1200	620	TBA	1
XMLSRTK710X225V	710-225	1225	620	TBA	1
XMLSRTK710X250V	710-250	1250	620	TBA	1
XMLSRTK710X280V	710-280	1280	620	TBA	1
XMLSRTK710X315V	710-315	1315	620	TBA	1
XMLSRTK710X355V	710-355	1355	620	TBA	1
XMLSRTK710X400V	710-400	1400	620	TBA	1
XMLSRTK710X450V	710-450	1450	620	TBA	1
XMLSRTK710X500V	710-500	1500	620	TBA	1
XMLSRTK710X560V	710-560	1560	620	TBA	1
XMLETK710X710V	*710-710	1710	650	TBA	1

* Equal Tee



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Reducing and Equal Tee - Short Spigot (machined)



PE100 | SDR 11 | Water PN 16

Code	D - D1 (mm)	L (mm)	L1 (mm)	Weight (kg)	Box Quantity
XMSSRTK355X280N	355-280	500	400	TBA	1
XMSSRTK400X110N	400-110	325	425	TBA	1
XMSSRTK400X125N	400-125	340	425	TBA	1
XMSSRTK400X140N	400-140	355	425	TBA	1
XMSSRTK400X160N	400-160	375	425	TBA	1
XMSSRTK400X180N	400-180	395	425	TBA	1
XMSSRTK400X200N	400-200	415	425	TBA	1
XMSSRTK400X225N	400-225	440	425	TBA	1
XMSSRTK400X250N	400-250	465	425	TBA	1
XMSSRTK400X280N	400-280	500	425	TBA	1
XMSSRTK400X315N	400-315	535	425	TBA	1
XMSSRTK450X125N	450-125	340	450	TBA	1
XMSSRTK450X140N	450-140	355	450	TBA	1
XMSSRTK450X160N	450-160	375	450	TBA	1
XMSSRTK450X180N	450-180	395	450	TBA	1
XMSSRTK450X200N	450-200	415	450	TBA	1
XMSSRTK450X225N	450-225	440	450	TBA	1
XMSSRTK450X250N	450-250	465	450	TBA	1
XMSSRTK450X280N	450-280	500	450	TBA	1
XMSSRTK450X315N	450-315	535	450	TBA	1
XMSSRTK450X355N	450-355	575	450	TBA	1
XMSSRTK500X140N	500-140	355	475	TBA	1
XMSSRTK500X160N	500-160	375	475	TBA	1
XMSSRTK500X180N	500-180	395	475	TBA	1
XMSSRTK500X200N	500-200	415	475	TBA	1
XMSSRTK500X225N	500-225	440	475	TBA	1
XMSSRTK500X250N	500-250	465	475	TBA	1
XMSSRTK500X280N	500-280	500	475	TBA	1
XMSSRTK500X315N	500-315	535	475	TBA	1
XMSSRTK500X355N	500-355	575	475	TBA	1
XMSSRTK500X400N	500-400	620	475	TBA	1
XMSSRTK560X160N	560-160	375	500	TBA	1
XMSSRTK560X180N	560-180	395	500	TBA	1
XMSSRTK560X200N	560-200	415	500	TBA	1
XMSSRTK560X225N	560-225	440	500	TBA	1
XMSSRTK560X250N	560-250	465	500	TBA	1
XMSSRTK560X280N	560-280	500	500	TBA	1
XMSSRTK560X315N	560-315	535	500	TBA	1
XMSSRTK560X355N	560-355	575	500	TBA	1
XMSSRTK560X400N	560-400	620	500	TBA	1
XMSSRTK560X450N	560-450	670	500	TBA	1
XMSETK560X560N	*560-560	780	500	TBA	1



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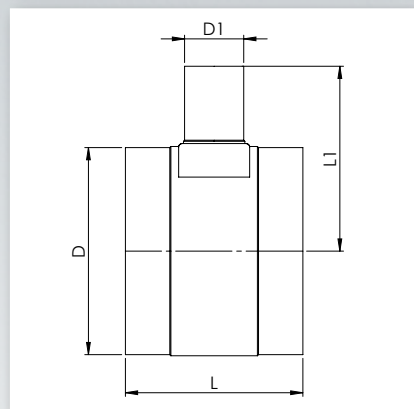
Reducing and Equal Tee - Short Spigot (machined)



PE100 | SDR 11 | Water PN 16

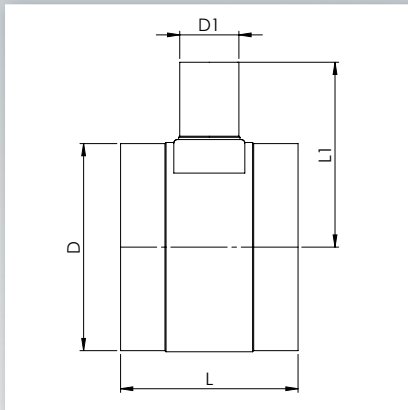
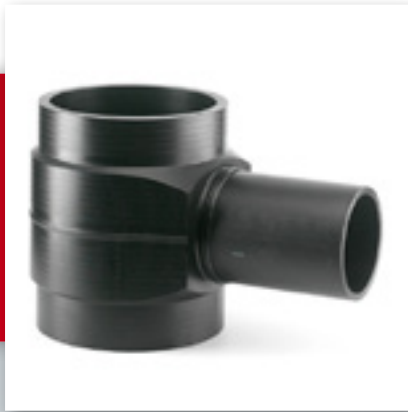
Code	D - D1 (mm)	L (mm)	L1 (mm)	Weight (kg)	Box Quantity
XMSSRTK630X180N	630-180	395	540	TBA	1
XMSSRTK630X200N	630-200	415	540	TBA	1
XMSSRTK630X225N	630-225	440	540	TBA	1
XMSSRTK630X250N	630-250	465	540	TBA	1
XMSSRTK630X280N	630-280	500	540	TBA	1
XMSSRTK630X315N	630-315	535	540	TBA	1
XMSSRTK630X355N	630-355	575	540	TBA	1
XMSSRTK630X400N	630-400	620	540	TBA	1
XMSSRTK630X450N	630-450	670	540	TBA	1
XMSSRTK630X500N	630-500	720	540	TBA	1
XMSSRTK630X630N	*630-630	850	540	TBA	1
XMSSRTK710X180N	710-180	395	620	TBA	1
XMSSRTK710X200N	710-200	415	620	TBA	1
XMSSRTK710X225N	710-225	440	620	TBA	1
XMSSRTK710X250N	710-250	465	620	TBA	1
XMSSRTK710X280N	710-280	500	620	TBA	1
XMSSRTK710X315N	710-315	535	620	TBA	1
XMSSRTK710X355N	710-355	575	620	TBA	1
XMSSRTK710X400N	710-400	620	620	TBA	1
XMSSRTK710X450N	710-450	670	620	TBA	1
XMSSRTK710X500N	710-500	720	620	TBA	1
XMSSRTK710X560N	710-560	780	620	TBA	1
XMSSRTK710X710N	*710-710	950	650	TBA	1

* Equal Tee



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Reducing and Equal Tee - Short Spigot (machined)



PE100 | SDR 17 | Water PN 10

Code	D - D1 (mm)	L (mm)	L1 (mm)	Weight (kg)	Box Quantity
XMSSRTK355X280V	355-280	500	400	TBA	1
XMSSRTK400X110V	400-110	325	425	TBA	1
XMSSRTK400X125V	400-125	340	425	TBA	1
XMSSRTK400X140V	400-140	355	425	TBA	1
XMSSRTK400X160V	400-160	375	425	TBA	1
XMSSRTK400X180V	400-180	395	425	TBA	1
XMSSRTK400X200V	400-200	415	425	TBA	1
XMSSRTK400X225V	400-225	440	425	TBA	1
XMSSRTK400X250V	400-250	465	425	TBA	1
XMSSRTK400X280V	400-280	500	425	TBA	1
XMSSRTK400X315V	400-315	535	425	TBA	1
XMSSRTK450X125V	450-125	340	450	TBA	1
XMSSRTK450X140V	450-140	355	450	TBA	1
XMSSRTK450X160V	450-160	375	450	TBA	1
XMSSRTK450X180V	450-180	395	450	TBA	1
XMSSRTK450X200V	450-200	415	450	TBA	1
XMSSRTK450X225V	450-225	440	450	TBA	1
XMSSRTK450X250V	450-250	465	450	TBA	1
XMSSRTK450X280V	450-280	500	450	TBA	1
XMSSRTK450X315V	450-315	535	450	TBA	1
XMSSRTK450X355V	450-355	575	450	TBA	1
XMSSRTK500X140V	500-140	355	475	TBA	1
XMSSRTK500X160V	500-160	375	475	TBA	1
XMSSRTK500X180V	500-180	395	475	TBA	1
XMSSRTK500X200V	500-200	415	475	TBA	1
XMSSRTK500X225V	500-225	440	475	TBA	1
XMSSRTK500X250V	500-250	465	475	TBA	1
XMSSRTK500X280V	500-280	500	475	TBA	1
XMSSRTK500X315V	500-315	535	475	TBA	1
XMSSRTK500X355V	500-355	575	475	TBA	1
XMSSRTK500X400V	500-400	620	475	TBA	1
XMSSRTK560X160V	560-160	375	500	TBA	1
XMSSRTK560X180V	560-180	395	500	TBA	1
XMSSRTK560X200V	560-200	415	500	TBA	1
XMSSRTK560X225V	560-225	440	500	TBA	1
XMSSRTK560X250V	560-250	465	500	TBA	1
XMSSRTK560X280V	560-280	500	500	TBA	1
XMSSRTK560X315V	560-315	535	500	TBA	1
XMSSRTK560X355V	560-355	575	500	TBA	1
XMSSRTK560X400V	560-400	620	500	TBA	1
XMSSRTK560X450V	560-450	670	500	TBA	1
XMSETK560X560V	*560-560	780	500	TBA	1



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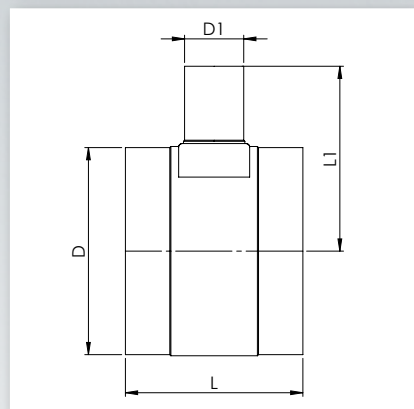
Reducing and Equal Tee - Short Spigot (machined)



PE100 | SDR 17 | Water PN 10

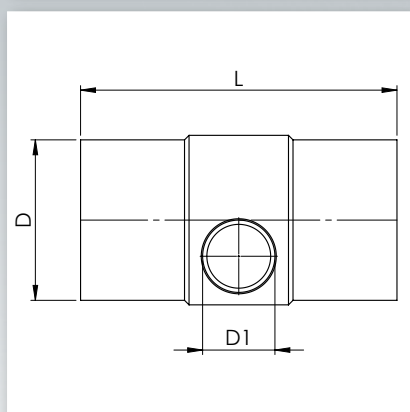
Code	D - D1 (mm)	L (mm)	L1 (mm)	Weight (kg)	Box Quantity
XMSSRTK630X180V	630-180	395	540	TBA	1
XMSSRTK630X200V	630-200	415	540	TBA	1
XMSSRTK630X225V	630-225	440	540	TBA	1
XMSSRTK630X250V	630-250	465	540	TBA	1
XMSSRTK630X280V	630-280	500	540	TBA	1
XMSSRTK630X315V	630-315	535	540	TBA	1
XMSSRTK630X355V	630-355	575	540	TBA	1
XMSSRTK630X400V	630-400	620	540	TBA	1
XMSSRTK630X450V	630-450	670	540	TBA	1
XMSSRTK630X500V	630-500	720	540	TBA	1
XMSSRTK630X630V	*630-630	850	540	TBA	1
XMSSRTK710X180V	710-180	395	620	TBA	1
XMSSRTK710X200V	710-200	415	620	TBA	1
XMSSRTK710X225V	710-225	440	620	TBA	1
XMSSRTK710X250V	710-250	465	620	TBA	1
XMSSRTK710X280V	710-280	500	620	TBA	1
XMSSRTK710X315V	710-315	535	620	TBA	1
XMSSRTK710X355V	710-355	575	620	TBA	1
XMSSRTK710X400V	710-400	620	620	TBA	1
XMSSRTK710X450V	710-450	670	620	TBA	1
XMSSRTK710X500V	710-500	720	620	TBA	1
XMSSRTK710X560V	710-560	780	620	TBA	1
XMSSRTK710X710V	*710-710	950	650	TBA	1

* Equal Tee



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Reducing Tee Eccentric Level Invert (machined)



PE100 | SDR 11 | Water PN 16

Code	D - D1 (mm)	L (mm)	Weight (kg)	Box Quantity
XMLIRTHK280X63N	280-63	670	TBA	1
XMLIRTHK280X75N	280-75	680	TBA	1
XMLIRTHK280X90N	280-90	695	TBA	1
XMLIRTK280X110N	280-110	715	TBA	1
XMLIRTK280X125N	280-125	730	TBA	1
XMLIRTK280X140N	280-140	745	TBA	1
XMLIRTK280X160N	280-160	765	TBA	1
XMLIRTK280X180N	280-180	785	TBA	1
XMLIRTK280X200N	280-200	805	TBA	1
XMLIRTK280X225N	280-225	830	TBA	1
XMLIRTHK315X75N	315-75	680	TBA	1
XMLIRTHK315X90N	315-90	695	TBA	1
XMLIRTK315X110N	315-110	715	TBA	1
XMLIRTK315X125N	315-125	730	TBA	1
XMLIRTK315X140N	315-140	745	TBA	1
XMLIRTK315X160N	315-160	765	TBA	1
XMLIRTK315X180N	315-180	785	TBA	1
XMLIRTK315X200N	315-200	805	TBA	1
XMLIRTK315X225N	315-225	830	TBA	1
XMLIRTK315X250N	315-250	855	TBA	1
XMLIRTHK355X90N	355-90	705	TBA	1
XMLIRTK355X110N	355-110	725	TBA	1
XMLIRTK355X125N	355-125	740	TBA	1
XMLIRTK355X140N	355-140	755	TBA	1
XMLIRTK355X160N	355-160	775	TBA	1
XMLIRTK355X180N	355-180	795	TBA	1
XMLIRTK355X200N	355-200	815	TBA	1
XMLIRTK355X225N	355-225	840	TBA	1
XMLIRTK355X250N	355-250	865	TBA	1
XMLIRTK355X280N	355-280	900	TBA	1
XMLIRTK400X110N	400-110	725	TBA	1
XMLIRTK400X125N	400-125	740	TBA	1
XMLIRTK400X140N	400-140	755	TBA	1
XMLIRTK400X160N	400-160	775	TBA	1
XMLIRTK400X180N	400-180	795	TBA	1
XMLIRTK400X200N	400-200	815	TBA	1
XMLIRTK400X225N	400-225	840	TBA	1
XMLIRTK400X250N	400-250	865	TBA	1
XMLIRTK400X280N	400-280	900	TBA	1
XMLIRTK400X315N	400-315	935	TBA	1



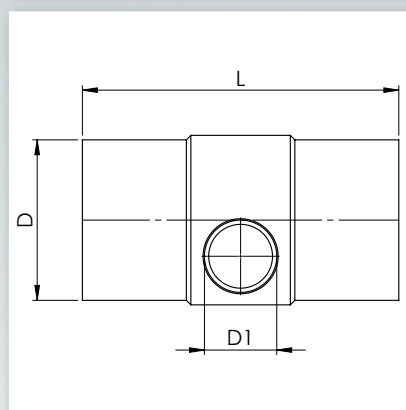
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Reducing Tee Eccentric Level Invert (machined)



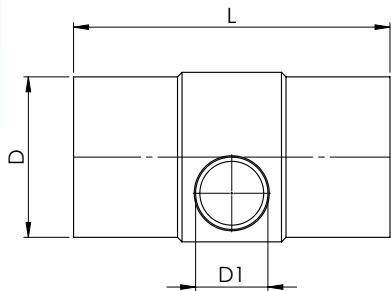
PE100 | SDR 11 | Water PN 16

Code	D - D1 (mm)	L (mm)	Weight (kg)	Box Quantity
XMLIRTK450X125N	450-125	940	TBA	1
XMLIRTK450X140N	450-140	955	TBA	1
XMLIRTK450X160N	450-160	975	TBA	1
XMLIRTK450X180N	450-180	995	TBA	1
XMLIRTK450X200N	450-200	1015	TBA	1
XMLIRTK450X225N	450-225	1040	TBA	1
XMLIRTK450X250N	450-250	1065	TBA	1
XMLIRTK450X280N	450-280	1100	TBA	1
XMLIRTK450X315N	450-315	1135	TBA	1
XMLIRTK450X355N	450-355	1175	TBA	1
XMLIRTK500X140N	500-140	955	TBA	1
XMLIRTK500X160N	500-160	975	TBA	1
XMLIRTK500X180N	500-180	995	TBA	1
XMLIRTK500X200N	500-200	1015	TBA	1
XMLIRTK500X225N	500-225	1040	TBA	1
XMLIRTK500X250N	500-250	1065	TBA	1
XMLIRTK500X280N	500-280	1100	TBA	1
XMLIRTK500X315N	500-315	1135	TBA	1
XMLIRTK500X355N	500-355	1175	TBA	1
XMLIRTK500X400N	500-400	1220	TBA	1
XMLIRTK560X160N	560-160	975	TBA	1
XMLIRTK560X180N	560-180	995	TBA	1
XMLIRTK560X200N	560-200	1015	TBA	1
XMLIRTK560X225N	560-225	1040	TBA	1
XMLIRTK560X250N	560-250	1065	TBA	1
XMLIRTK560X280N	560-280	1100	TBA	1
XMLIRTK560X315N	560-315	1135	TBA	1
XMLIRTK560X355N	560-355	1175	TBA	1
XMLIRTK560X400N	560-400	1220	TBA	1
XMLIRTK560X450N	560-450	1270	TBA	1
XMLIRTK630X180N	630-180	995	TBA	1
XMLIRTK630X200N	630-200	1015	TBA	1
XMLIRTK630X225N	630-225	1040	TBA	1
XMLIRTK630X250N	630-250	1065	TBA	1
XMLIRTK630X280N	630-280	1100	TBA	1
XMLIRTK630X315N	630-315	1135	TBA	1
XMLIRTK630X355N	630-355	1175	TBA	1
XMLIRTK630X400N	630-400	1220	TBA	1
XMLIRTK630X450N	630-450	1270	TBA	1
XMLIRTK630X500N	630-500	1320	TBA	1



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Reducing Tee Eccentric Level Invert (machined)



PE100 | SDR 11 | Water PN 16

Code	D - D1 (mm)	L (mm)	Weight (kg)	Box Quantity
XMLIRTK710X180N	710-180	1180	TBA	1
XMLIRTK710X200N	710-200	1200	TBA	1
XMLIRTK710X225N	710-225	1225	TBA	1
XMLIRTK710X250N	710-250	1250	TBA	1
XMLIRTK710X280N	710-280	1280	TBA	1
XMLIRTK710X315N	710-315	1315	TBA	1
XMLIRTK710X355N	710-355	1355	TBA	1
XMLIRTK710X400N	710-400	1400	TBA	1
XMLIRTK710X450N	710-450	1450	TBA	1
XMLIRTK710X500N	710-500	1500	TBA	1
XMLIRTK710X560N	710-560	1560	TBA	1



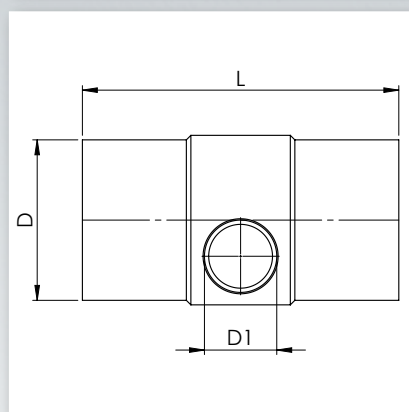
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Reducing Tee Eccentric Level Invert (machined)



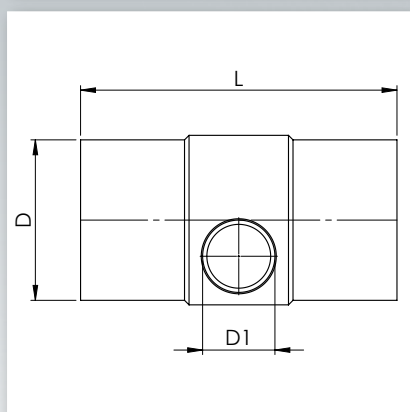
PE100 | SDR 17 | Water PN 10

Code	D - D1 (mm)	L (mm)	Weight (kg)	Box Quantity
XMLIRTHK280X63V	280-63	670	TBA	1
XMLIRTHK280X75V	280-75	680	TBA	1
XMLIRTHK280X90V	280-90	695	TBA	1
XMLIRTK280X110V	280-110	715	TBA	1
XMLIRTK280X125V	280-125	730	TBA	1
XMLIRTK280X140V	280-140	745	TBA	1
XMLIRTK280X160V	280-160	765	TBA	1
XMLIRTK280X180V	280-180	785	TBA	1
XMLIRTK280X200V	280-200	805	TBA	1
XMLIRTK280X225V	280-225	830	TBA	1
XMLIRTHK315X75V	315-75	680	TBA	1
XMLIRTHK315X90V	315-90	695	TBA	1
XMLIRTK315X110V	315-110	715	TBA	1
XMLIRTK315X125V	315-125	730	TBA	1
XMLIRTK315X140V	315-140	745	TBA	1
XMLIRTK315X160V	315-160	765	TBA	1
XMLIRTK315X180V	315-180	785	TBA	1
XMLIRTK315X200V	315-200	805	TBA	1
XMLIRTK315X225V	315-225	830	TBA	1
XMLIRTK315X250V	315-250	855	TBA	1
XMLIRTHK355X90V	355-90	705	TBA	1
XMLIRTK355X110V	355-110	725	TBA	1
XMLIRTK355X125V	355-125	740	TBA	1
XMLIRTK355X140V	355-140	755	TBA	1
XMLIRTK355X160V	355-160	775	TBA	1
XMLIRTK355X180V	355-180	795	TBA	1
XMLIRTK355X200V	355-200	815	TBA	1
XMLIRTK355X225V	355-225	840	TBA	1
XMLIRTK355X250V	355-250	865	TBA	1
XMLIRTK355X280V	355-280	900	TBA	1
XMLIRTK400X110V	400-110	725	TBA	1
XMLIRTK400X125V	400-125	740	TBA	1
XMLIRTK400X140V	400-140	755	TBA	1
XMLIRTK400X160V	400-160	775	TBA	1
XMLIRTK400X180V	400-180	795	TBA	1
XMLIRTK400X200V	400-200	815	TBA	1
XMLIRTK400X225V	400-225	840	TBA	1
XMLIRTK400X250V	400-250	865	TBA	1
XMLIRTK400X280V	400-280	900	TBA	1
XMLIRTK400X315V	400-315	935	TBA	1



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Reducing Tee Eccentric Level Invert (machined)



PE100 | SDR 17 | Water PN 10

Code	D - D1 (mm)	L (mm)	Weight (kg)	Box Quantity
XMLIRTK450X125V	450-125	940	TBA	1
XMLIRTK450X140V	450-140	955	TBA	1
XMLIRTK450X160V	450-160	975	TBA	1
XMLIRTK450X180V	450-180	995	TBA	1
XMLIRTK450X200V	450-200	1015	TBA	1
XMLIRTK450X225V	450-225	1040	TBA	1
XMLIRTK450X250V	450-250	1065	TBA	1
XMLIRTK450X280V	450-280	1100	TBA	1
XMLIRTK450X315V	450-315	1135	TBA	1
XMLIRTK450X355V	450-355	1175	TBA	1
XMLIRTK500X140V	500-140	955	TBA	1
XMLIRTK500X160V	500-160	975	TBA	1
XMLIRTK500X180V	500-180	995	TBA	1
XMLIRTK500X200V	500-200	1015	TBA	1
XMLIRTK500X225V	500-225	1040	TBA	1
XMLIRTK500X250V	500-250	1065	TBA	1
XMLIRTK500X280V	500-280	1100	TBA	1
XMLIRTK500X315V	500-315	1135	TBA	1
XMLIRTK500X355V	500-355	1175	TBA	1
XMLIRTK500X400V	500-400	1220	TBA	1
XMLIRTK560X160V	560-160	975	TBA	1
XMLIRTK560X180V	560-180	995	TBA	1
XMLIRTK560X200V	560-200	1015	TBA	1
XMLIRTK560X225V	560-225	1040	TBA	1
XMLIRTK560X250V	560-250	1065	TBA	1
XMLIRTK560X280V	560-280	1100	TBA	1
XMLIRTK560X315V	560-315	1135	TBA	1
XMLIRTK560X355V	560-355	1175	TBA	1
XMLIRTK560X400V	560-400	1220	TBA	1
XMLIRTK560X450V	560-450	1270	TBA	1
XMLIRTK630X180V	630-180	995	TBA	1
XMLIRTK630X200V	630-200	1015	TBA	1
XMLIRTK630X225V	630-225	1040	TBA	1
XMLIRTK630X250V	630-250	1065	TBA	1
XMLIRTK630X280V	630-280	1100	TBA	1
XMLIRTK630X315V	630-315	1135	TBA	1
XMLIRTK630X355V	630-355	1175	TBA	1
XMLIRTK630X400V	630-400	1220	TBA	1
XMLIRTK630X450V	630-450	1270	TBA	1
XMLIRTK630X500V	630-500	1320	TBA	1



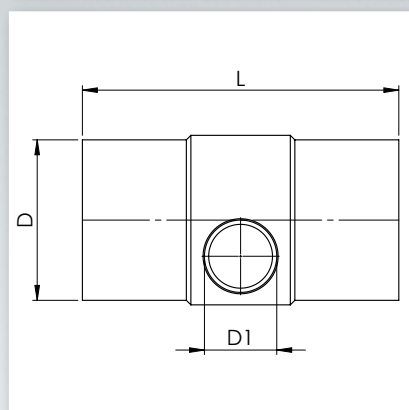
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Reducing Tee Eccentric Level Invert (machined)



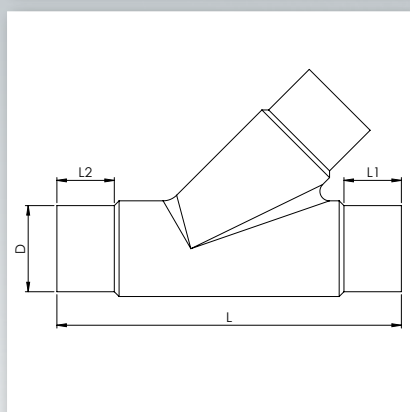
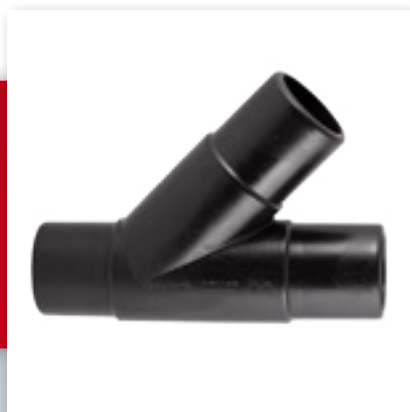
PE100 | SDR 17 | Water PN 10

Code	D - D1 (mm)	L (mm)	Weight (kg)	Box Quantity
XMLIRTK710X180V	710-180	1180	TBA	1
XMLIRTK710X200V	710-200	1200	TBA	1
XMLIRTK710X225V	710-225	1225	TBA	1
XMLIRTK710X250V	710-250	1250	TBA	1
XMLIRTK710X280V	710-280	1280	TBA	1
XMLIRTK710X315V	710-315	1315	TBA	1
XMLIRTK710X355V	710-355	1355	TBA	1
XMLIRTK710X400V	710-400	1400	TBA	1
XMLIRTK710X450V	710-450	1450	TBA	1
XMLIRTK710X500V	710-500	1500	TBA	1
XMLIRTK710X560V	710-560	1560	TBA	1



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45° Angle Branch Tee



PE100 | SDR 11 | Water PN 16 | Gas 10 Bar

Code	D (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XABTHK63X63N	63	287	81.00	68	TBA	16
XABTHK75X75N	75	310	88.00	71	TBA	1
XABTHK90X90N	90	355	90.00	80	TBA	130
XABTHK110X110N	110	397	103.00	88	TBA	90
XABTHK125X125N	125	448	120.00	87	TBA	64
XABTHK140X140N	140	495	110.00	100	TBA	1
XABTHK160X160N	160	530	119.00	104	TBA	30

PE100 | SDR 17 | Water PN 10 | Gas 6 Bar

Code	D (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XABTHK63X63V	63	287	81.00	68	TBA	16
XABTHK75X75V	75	310	88.00	71	TBA	1
XABTHK90X90V	90	355	90.00	80	TBA	130
XABTHK110X110V	110	397	103.00	88	TBA	80
XABTHK125X125V	125	448	120.00	87	TBA	64
XABTHK140X140V	140	495	110.00	100	TBA	1
XABTHK160X160V	160	530	119.00	104	TBA	30



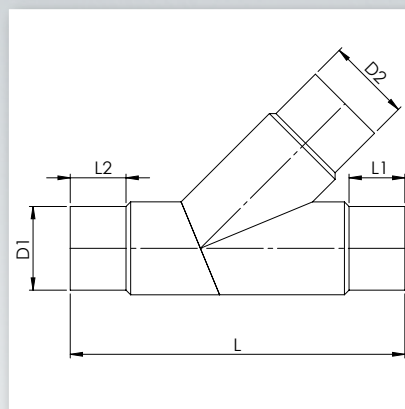
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45° Angle Branch Tee (machined)



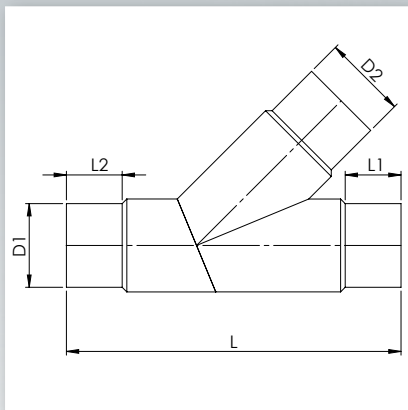
PE100 | SDR 11 | Water PN 16

Code	D1-D2 (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XABTHK50X50N	50-50	TBA	TBA	TBA	TBA	TBA
XABTHK75X63N	75-63	TBA	TBA	TBA	TBA	TBA
XABTHK90X63N	90-63	TBA	TBA	TBA	TBA	TBA
XABTHK90X75N	90-75	TBA	TBA	TBA	TBA	TBA
XABTHK110X63N	110-63	TBA	TBA	TBA	TBA	TBA
XABTHK110X75N	110-75	TBA	TBA	TBA	TBA	TBA
XABTHK125X63N	125-63	TBA	TBA	TBA	TBA	TBA
XABTHK125X75N	125-75	TBA	TBA	TBA	TBA	TBA
XABTHK125X90N	125-90	TBA	TBA	TBA	TBA	TBA
XABTHK125X110N	125-110	TBA	TBA	TBA	TBA	TBA
XABTHK140X75N	140-75	TBA	TBA	TBA	TBA	TBA
XABTHK140X90N	140-90	TBA	TBA	TBA	TBA	TBA
XABTHK140X110N	140-110	TBA	TBA	TBA	TBA	TBA
XABTHK140X125N	140-125	TBA	TBA	TBA	TBA	TBA
XABTHK160X90N	160-90	TBA	TBA	TBA	TBA	TBA
XABTHK160X110N	160-110	TBA	TBA	TBA	TBA	TBA
XABTHK160X125N	160-125	TBA	TBA	TBA	TBA	TBA
XABTHK160X140N	160-140	TBA	TBA	TBA	TBA	TBA
XABTHK180X110N	180-110	TBA	TBA	TBA	TBA	TBA
XABTHK180X125N	180-125	TBA	TBA	TBA	TBA	TBA
XABTHK180X140N	180-140	TBA	TBA	TBA	TBA	TBA
XABTHK180X160N	180-160	TBA	TBA	TBA	TBA	TBA
XABTHK180X180N	180-180	TBA	TBA	TBA	TBA	TBA
XABTHK200X110N	200-110	TBA	TBA	TBA	TBA	TBA
XABTHK200X125N	200-125	TBA	TBA	TBA	TBA	TBA
XABTHK200X140N	200-140	TBA	TBA	TBA	TBA	TBA
XABTHK200X160N	200-160	TBA	TBA	TBA	TBA	TBA
XABTHK200X180N	200-180	TBA	TBA	TBA	TBA	TBA
XABTHK200X200N	200-200	TBA	TBA	TBA	TBA	TBA
XABTHK225X110N	225-110	TBA	TBA	TBA	TBA	TBA
XABTHK225X125N	225-125	TBA	TBA	TBA	TBA	TBA
XABTHK225X140N	225-140	TBA	TBA	TBA	TBA	TBA
XABTHK225X160N	225-160	TBA	TBA	TBA	TBA	TBA
XABTHK225X180N	225-180	TBA	TBA	TBA	TBA	TBA
XABTHK225X200N	225-200	TBA	TBA	TBA	TBA	TBA
XABTHK225X225N	225-225	TBA	TBA	TBA	TBA	TBA



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45° Angle Branch Tee (machined)



PE100 | SDR 11 | Water PN 16

Code	D1-D2 (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XABTHK250X110N	250-110	TBA	TBA	TBA	TBA	TBA
XABTHK250X125N	250-125	TBA	TBA	TBA	TBA	TBA
XABTHK250X140N	250-140	TBA	TBA	TBA	TBA	TBA
XABTHK250X160N	250-160	TBA	TBA	TBA	TBA	TBA
XABTHK250X180N	250-180	TBA	TBA	TBA	TBA	TBA
XABTHK250X200N	250-200	TBA	TBA	TBA	TBA	TBA
XABTHK250X225N	250-225	TBA	TBA	TBA	TBA	TBA
XABTHK250X250N	250-250	TBA	TBA	TBA	TBA	TBA
XABTHK280X160N	280-160	TBA	TBA	TBA	TBA	TBA
XABTHK280X180N	280-180	TBA	TBA	TBA	TBA	TBA
XABTHK280X200N	280-200	TBA	TBA	TBA	TBA	TBA
XABTHK280X225N	280-225	TBA	TBA	TBA	TBA	TBA
XABTHK280X250N	280-250	TBA	TBA	TBA	TBA	TBA
XABTHK280X280N	280-280	TBA	TBA	TBA	TBA	TBA
XABTHK315X160N	315-160	TBA	TBA	TBA	TBA	TBA
XABTHK315X180N	315-180	TBA	TBA	TBA	TBA	TBA
XABTHK315X200N	315-200	TBA	TBA	TBA	TBA	TBA
XABTHK315X225N	315-225	TBA	TBA	TBA	TBA	TBA
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XABTHK315X280N	315-280	TBA	TBA	TBA	TBA	TBA
XABTHK315X315N	315-315	TBA	TBA	TBA	TBA	TBA
XABTHK355X200N	355-200	TBA	TBA	TBA	TBA	TBA
XABTHK355X225N	355-225	TBA	TBA	TBA	TBA	TBA
XABTHK355X280N	355-280	TBA	TBA	TBA	TBA	TBA
XABTHK355X315N	355-315	TBA	TBA	TBA	TBA	TBA
XABTHK355X355N	355-355	TBA	TBA	TBA	TBA	TBA
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XABTHK400X225N	400-225	TBA	TBA	TBA	TBA	TBA
XABTHK400X250N	400-250	TBA	TBA	TBA	TBA	TBA
XABTHK400X280N	400-280	TBA	TBA	TBA	TBA	TBA
XABTHK400X315N	400-315	TBA	TBA	TBA	TBA	TBA
XABTHK400X355N	400-355	TBA	TBA	TBA	TBA	TBA
XABTHK400X400N	400-400	TBA	TBA	TBA	TBA	TBA
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XABTHK450X280N	450-280	TBA	TBA	TBA	TBA	TBA
XABTHK450X315N	450-315	TBA	TBA	TBA	TBA	TBA
XABTHK450X355N	450-355	TBA	TBA	TBA	TBA	TBA
XABTHK450X400N	450-400	TBA	TBA	TBA	TBA	TBA
XABTHK450X450N	450-450	TBA	TBA	TBA	TBA	TBA
XABTHK500X500N	500-500	TBA	TBA	TBA	TBA	TBA
XABTHK560X560N	560-560	TBA	TBA	TBA	TBA	TBA
XABTHK630X630N	630-630	TBA	TBA	TBA	TBA	TBA



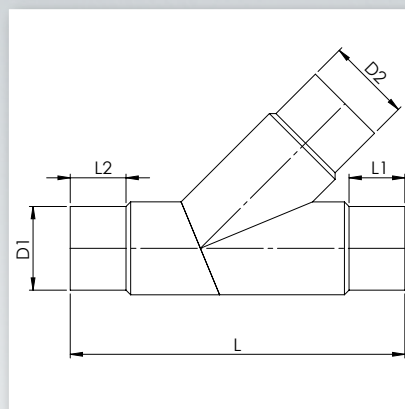
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45° Angle Branch Tee (machined)



PE100 | SDR 17 | Water PN 10

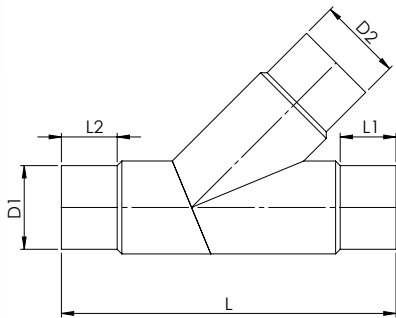
Code	D1-D2 (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XABTHK75X63V	75-63	TBA	TBA	TBA	TBA	TBA
XABTHK90X63V	90-63	TBA	TBA	TBA	TBA	TBA
XABTHK90X75V	90-75	TBA	TBA	TBA	TBA	TBA
XABTHK110X63V	110-63	TBA	TBA	TBA	TBA	TBA
XABTHK110X75V	110-75	TBA	TBA	TBA	TBA	TBA
XABTHK125X63V	125-63	TBA	TBA	TBA	TBA	TBA
XABTHK125X75V	125-75	TBA	TBA	TBA	TBA	TBA
XABTHK125X90V	125-90	TBA	TBA	TBA	TBA	TBA
XABTHK125X110V	125-110	TBA	TBA	TBA	TBA	TBA
XABTHK140X75V	140-75	TBA	TBA	TBA	TBA	TBA
XABTHK140X90V	140-90	TBA	TBA	TBA	TBA	TBA
XABTHK140X110V	140-110	TBA	TBA	TBA	TBA	TBA
XABTHK140X125V	140-125	TBA	TBA	TBA	TBA	TBA
XABTHK160X90V	160-90	TBA	TBA	TBA	TBA	TBA
XABTHK160X110V	160-110	TBA	TBA	TBA	TBA	TBA
XABTHK160X125V	160-125	TBA	TBA	TBA	TBA	TBA
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XABTHK180X140V	180-140	TBA	TBA	TBA	TBA	TBA
XABTHK180X160V	180-160	TBA	TBA	TBA	TBA	TBA
XABTHK180X180V	180-180	TBA	TBA	TBA	TBA	TBA
XABTHK200X110V	200-110	TBA	TBA	TBA	TBA	TBA
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XABTHK200X180V	200-180	TBA	TBA	TBA	TBA	TBA
XABTHK200X200V	200-200	TBA	TBA	TBA	TBA	TBA
XABTHK225X110V	225-110	TBA	TBA	TBA	TBA	TBA
XABTHK225X125V	225-125	TBA	TBA	TBA	TBA	TBA
XABTHK225X140V	225-140	TBA	TBA	TBA	TBA	TBA
XABTHK225X160V	225-160	TBA	TBA	TBA	TBA	TBA
XABTHK225X180V	225-180	TBA	TBA	TBA	TBA	TBA
XABTHK225X200V	225-200	TBA	TBA	TBA	TBA	TBA
XABTHK225X225V	225-225	TBA	TBA	TBA	TBA	TBA
XABTHK250X110V	250-110	TBA	TBA	TBA	TBA	TBA
XABTHK250X125V	250-125	TBA	TBA	TBA	TBA	TBA
XABTHK250X140V	250-140	TBA	TBA	TBA	TBA	TBA
XABTHK250X160V	250-160	TBA	TBA	TBA	TBA	TBA
XABTHK250X180V	250-180	TBA	TBA	TBA	TBA	TBA
XABTHK250X200V	250-200	TBA	TBA	TBA	TBA	TBA
XABTHK250X225V	250-225	TBA	TBA	TBA	TBA	TBA
XABTHK250X250V	250-250	TBA	TBA	TBA	TBA	TBA



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45° Angle Branch Tee (machined)



PE100 | SDR 17 | Water PN 10

Code	D1-D2 (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XABTHK280X160V	280-160	TBA	TBA	TBA	TBA	TBA
XABTHK280X180V	280-180	TBA	TBA	TBA	TBA	TBA
XABTHK280X200V	280-200	TBA	TBA	TBA	TBA	TBA
XABTHK280X225V	280-225	TBA	TBA	TBA	TBA	TBA
XABTHK280X250V	280-250	TBA	TBA	TBA	TBA	TBA
XABTHK280X280V	280-280	TBA	TBA	TBA	TBA	TBA
XABTHK315X160V	315-160	TBA	TBA	TBA	TBA	TBA
XABTHK315X180V	315-180	TBA	TBA	TBA	TBA	TBA
XABTHK315X200V	315-200	TBA	TBA	TBA	TBA	TBA
XABTHK315X225V	315-225	TBA	TBA	TBA	TBA	TBA
XABTHK315X250V	315-250	TBA	TBA	TBA	TBA	TBA
XABTHK315X280V	315-280	TBA	TBA	TBA	TBA	TBA
XABTHK315X315V	315-315	TBA	TBA	TBA	TBA	TBA
XABTHK355X200V	355-200	TBA	TBA	TBA	TBA	TBA
XABTHK355X225V	355-225	TBA	TBA	TBA	TBA	TBA
XABTHK355X280V	355-280	TBA	TBA	TBA	TBA	TBA
XABTHK355X315V	355-315	TBA	TBA	TBA	TBA	TBA
XABTHK355X355V	355-355	TBA	TBA	TBA	TBA	TBA
XABTHK400X200V	400-200	TBA	TBA	TBA	TBA	TBA
XABTHK400X225V	400-225	TBA	TBA	TBA	TBA	TBA
XABTHK400X250V	400-250	TBA	TBA	TBA	TBA	TBA
XABTHK400X280V	400-280	TBA	TBA	TBA	TBA	TBA
XABTHK400X315V	400-315	TBA	TBA	TBA	TBA	TBA
XABTHK400X355V	400-355	TBA	TBA	TBA	TBA	TBA
XABTHK400X400V	400-400	TBA	TBA	TBA	TBA	TBA
XABTHK450X250V	450-250	TBA	TBA	TBA	TBA	TBA
XABTHK450X280V	450-280	TBA	TBA	TBA	TBA	TBA
XABTHK450X315V	450-315	TBA	TBA	TBA	TBA	TBA
XABTHK450X355V	450-355	TBA	TBA	TBA	TBA	TBA
XABTHK450X400V	450-400	TBA	TBA	TBA	TBA	TBA
XABTHK450X450V	450-450	TBA	TBA	TBA	TBA	TBA
XABTHK500X500V	500-500	TBA	TBA	TBA	TBA	TBA
XABTHK560X560V	560-560	TBA	TBA	TBA	TBA	TBA
XABTHK630X630V	630-630	TBA	TBA	TBA	TBA	TBA



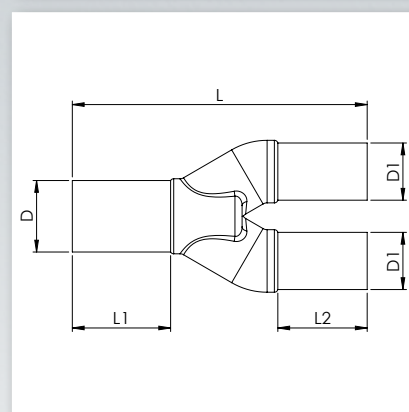
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Y Piece



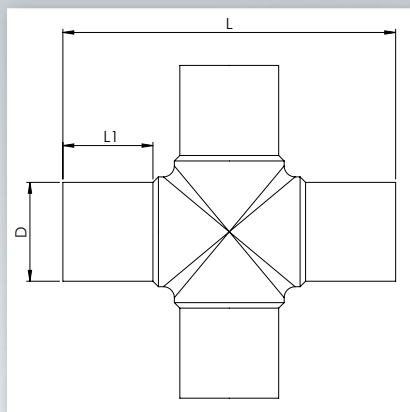
PE100 | SDR 11 | Water PN 16 | Gas 10 Bar

Code	D-D1 (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XYPHK32X25N	32-25	156	44	41	TBA	120
XYPHK40X32N	40-32	165	50	44	TBA	100
XYPHK50X40N	50-40	186	55	50	TBA	50



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Cross Piece



PE100 | SDR 11 | Water PN 16 | Gas 10 Bar

Code	D (mm)	L (mm)	L1 (mm)	Weight (kg)	Box Quantity
XLSCRHK63X63N	63	229	68	TBA	1
XLSCRHK75X75N	75	257	73	TBA	1
XLSCRHK90X90N	90	303	82	TBA	1
XLSCRHK110X110N	110	338	92	TBA	1
XLSCRHK125X125N	125	350	89	TBA	60
XLSCRHK160X160N	160	423	104	TBA	1

PE100 | SDR 17 | Water PN 10 | Gas 6 Bar

Code	D (mm)	L (mm)	L1 (mm)	Weight (kg)	Box Quantity
XLSCRHK110X110V	110	338	92	TBA	1
XLSCRHK125X125V	125	350	89	TBA	1
XLSCRHK160X160V	160	423	104	TBA	1



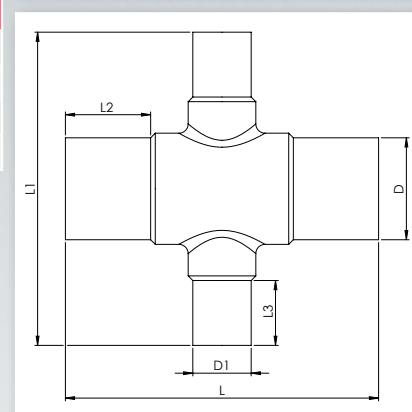
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Reduced Cross Piece



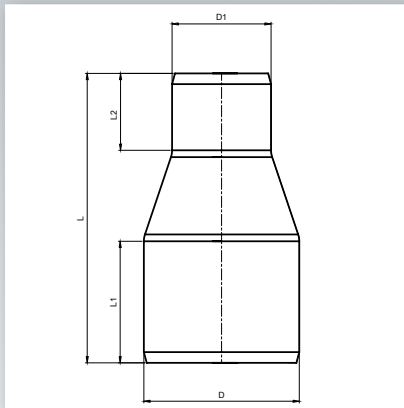
PE100 | SDR 11 | Water PN 16 | Gas 10 Bar

Code	D-D1 (mm)	L (mm)	L1 (mm)	L2 (mm)	L3 (mm)	Weight (kg)	Box Quantity
XLSCRHK110X63N	110-63	298	338	92	70	TBA	1
XLSCRHK110X90N	110-90	326	338	92	83	TBA	1
XLSCRHK125X90N	125-90	343	357	92	83	TBA	60
XLSCRHK160X90N	160-90	403	423	104	93	TBA	1



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Reducer



PE100 | SDR 11 | Water PN 16 | Gas 10 Bar

Code	D - D1 (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XSPRHK25X20N	25-20	120	41	41	0.023	80
XSPRHK32X20N	32-20	130	44	41	0.034	50
XSPRHK32X25N	32-25	130	44	41	0.032	50
XSPRHK40X20N	40-20	101	48	39	0.037	50
XSPRHK40X25N	40-25	130	49	41	0.041	50
XSPRHK40X32N	40-32	130	49	44	0.050	50
XSPRHK50X25N	50-25	140	55	41	0.065	40
XSPRHK50X32N	50-32	140	55	44	0.075	40
XSPRHK50X40N	50-40	140	55	49	0.080	40
XSPRHK63X25N	63-25	150	63	41	0.105	20
XSPRHK63X32N	63-32	150	63	44	0.115	20
XSPRHK63X40N	63-40	150	63	49	0.120	20
XSPRHK63X50N	63-50	150	63	55	0.140	20
XSPRHK75X32N	75-32	170	70	44	0.155	36
XSPRHK75X40N	75-40	170	70	49	0.170	36
XSPRHK75X50N	75-50	170	70	55	0.200	36
XSPRHK75X63N	75-63	170	70	63	0.230	36
XSPRHK90X50N	90-50	190	79	55	0.285	36
XSPRHK90X63N	90-63	190	79	63	0.325	36
XSPRHK90X75N	90-75	190	79	70	0.380	36
XSPRHK110X63N	110-63	208	82	63	0.485	30
XSPRHK110X75N	110-75	208	82	70	0.540	30
XSPRHK110X90N	110-90	208	82	79	0.610	30
XSPRHK125X63N	125-63	215	87	63	0.615	24
XSPRHK125X75N	125-75	215	87	70	0.654	24
XSPRHK125X90N	125-90	215	87	79	0.740	24
XSPRHK125X110N	125-110	215	87	82	0.850	18
XSPRHK140X75N	140-75	225	92	70	0.835	16
XSPRHK140X90N	140-90	225	92	79	0.835	16
XSPRHK140X110N	140-110	225	92	82	1.012	16
XSPRHK140X125N	140-125	225	92	87	1.075	16
XSPRHK160X90N	160-90	245	98	79	1.250	16
XSPRHK160X110N	160-110	245	98	82	1.310	16
XSPRHK160X125N	160-125	245	98	87	1.450	16
XSPRHK160X140N	160-140	245	98	92	1.475	16
XSPRHK180X90N	180-90	245	106	79	1.500	6
XSPRHK180X110N	180-110	255	105	82	1.530	6
XSPRHK180X125N	180-125	255	105	87	1.650	6
XSPRHK180X140N	180-140	255	105	82	1.835	6
XSPRHK180X160N	180-160	255	105	98	2.080	6

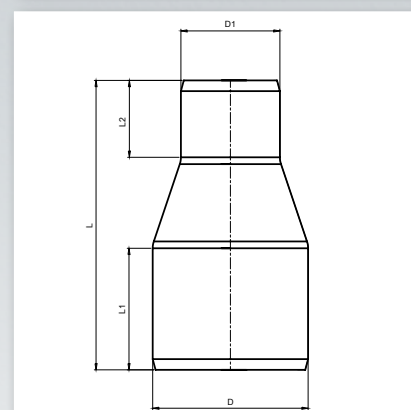


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Reducer

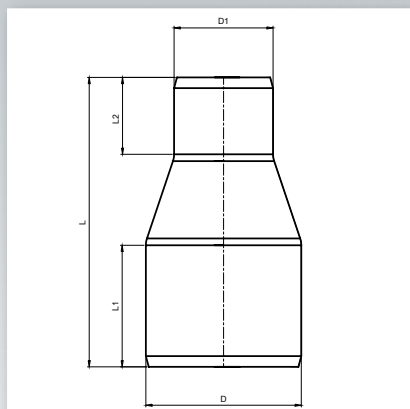
PE100 | SDR 11 | Water PN 16 | Gas 10 Bar

Code	D - D1 (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XSPRHK200X110N	200-110	275	112	82	2.200	8
XSPRHK200X140N	200-140	275	112	92	2.375	8
XSPRHK200X160N	200-160	275	112	98	2.375	8
XSPRHK200X180N	200-180	275	112	105	2.640	8
XSPRHK225X110N	225-110	285	120	82	2.280	4
XSPRHK225X160N	225-160	285	120	98	3.030	4
XSPRHK225X180N	225-180	285	120	105	3.410	5
XSPRHK225X200N	225-200	285	120	112	3.690	5
XSPRHK250X160N	250-160	300	129	98	3.625	2
XSPRHK250X180N	250-180	300	129	105	4.235	2
XSPRHK250X200N	250-200	300	129	112	4.340	2
XSPRHK250X225N	250-225	300	129	120	4.740	2
XSPRHK280X180N	280-180	336	139	105	5.350	2
XSPRHK280X200N	280-200	336	139	112	5.800	2
XSPRHK280X225N	280-225	336	139	120	5.950	2
XSPRHK280X250N	280-250	336	139	129	6.930	2
XSPRHK315X225N	315-225	375	150	120	7.750	2
XSPRHK315X250N	315-250	375	150	129	8.300	2
XSPRHK315X280N	315-280	375	150	139	8.400	2



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Reducer



PE100 | SDR 17 | Water PN 10 | Gas 6 Bar

Code	D - D1 (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XSPRHK75X63V	75-63	170	70	63	0.177	36
XSPRHK90X63V	90-63	190	79	63	0.251	36
XSPRHK90X75V	90-75	190	79	70	0.295	36
XSPRHK110X63V	110-63	208	82	63	0.383	30
XSPRHK110X75V	110-75	208	82	70	0.427	30
XSPRHK110X90V	110-90	208	82	79	0.476	30
XSPRHK125X63V	125-63	215	87	63	0.478	24
XSPRHK125X75V	125-75	215	87	70	0.506	24
XSPRHK125X90V	125-90	215	87	79	0.572	24
XSPRHK125X110V	125-110	215	87	82	0.653	18
XSPRHK140X75V	140-75	225	92	70	0.652	16
XSPRHK140X90V	140-90	225	92	79	0.632	16
XSPRHK140X110V	140-110	225	92	82	0.780	16
XSPRHK140X125V	140-125	225	92	87	0.809	16
XSPRHK160X90V	160-90	245	98	79	0.985	16
XSPRHK160X110V	160-110	245	98	82	1.016	16
XSPRHK160X125V	160-125	245	98	87	1.122	16
XSPRHK160X140V	160-140	245	98	92	1.112	16
XSPRHK180X90V	180-90	244	105	80	1.000	1
XSPRHK180X110V	180-110	255	105	82	1.163	6
XSPRHK180X125V	180-125	255	105	87	1.248	6
XSPRHK180X140V	180-140	255	105	82	1.398	6
XSPRHK180X160V	180-160	255	105	98	1.581	6
XSPRHK200X110V	200-110	275	112	82	1.744	8
XSPRHK200X140V	200-140	275	112	92	1.850	8
XSPRHK200X160V	200-160	275	112	98	1.788	8
XSPRHK200X180V	200-180	275	112	105	1.979	8
XSPRHK225X110V	225-110	285	120	82	1.690	4
XSPRHK225X160V	225-160	285	120	98	2.309	4
XSPRHK225X180V	225-180	285	120	105	2.615	5
XSPRHK225X200V	225-200	285	120	112	2.806	5
XSPRHK250X160V	250-160	300	129	98	2.736	2
XSPRHK250X180V	250-180	300	129	105	3.272	2
XSPRHK250X200V	250-200	300	129	112	3.288	2
XSPRHK250X225V	250-225	300	129	120	3.554	2
XSPRHK280X180V	280-180	336	139	105	3.652	2
XSPRHK280X200V	280-200	336	139	112	4.485	2
XSPRHK280X225V	280-225	336	139	120	4.531	2
XSPRHK280X250V	280-250	336	139	129	5.343	2
XSPRHK315X225V	315-225	375	150	120	5.998	2
XSPRHK315X250V	315-250	375	150	129	6.380	2
XSPRHK315X280V	315-280	375	150	139	6.247	2

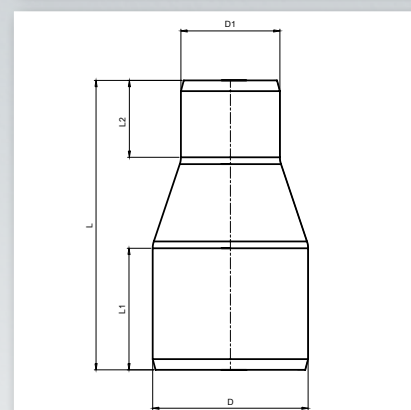


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Reducer

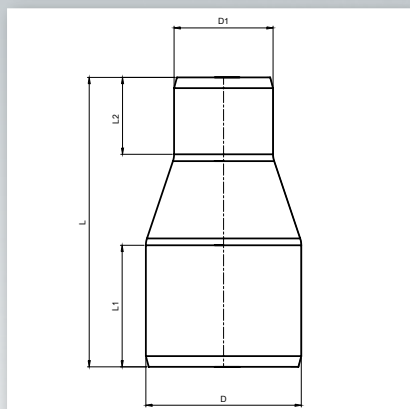
PE100 | SDR 7.4 | Water PN 25

Code	D - D1 (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XSPRHK25X20T	25-20	86	40	40	TBA	100
XSPRHK32X20T	32-20	90	40	38	TBA	100
XSPRHK32X25T	32-25	90	43	35	TBA	100
XSPRHK40X20N	40-20	101	48	39	TBA	100
XSPRHK40X25T	40-25	101	50	42	TBA	70
XSPRHK40X32T	40-32	101	49	45	TBA	60
XSPRHK50X25T	50-25	115	56	44	TBA	130
XSPRHK50X32T	50-32	115	56	48	TBA	80
XSPRHK50X40T	50-40	110	54	50	TBA	80
XSPRHK63X25T	63-25	133	64	44	TBA	72
XSPRHK63X32T	63-32	134	66	49	TBA	72
XSPRHK63X40T	63-40	131	65	52	TBA	72
XSPRHK63X50T	63-50	136	66	57	TBA	50
XSPRHK75X32T	75-32	142	70	46	TBA	48
XSPRHK75X40T	75-40	140	72	49	TBA	48
XSPRHK75X50T	75-50	145	73	57	TBA	48
XSPRHK75X63T	75-63	151	73	65	TBA	30
XSPRHK90X50T	90-50	158	82	55	TBA	60
XSPRHK90X63T	90-63	163	82	66	TBA	60
XSPRHK90X75T	90-75	167	83	73	TBA	36
XSPRHK110X50T	110-50	176	88	60	TBA	36
XSPRHK110X63T	110-63	178	89	67	TBA	36
XSPRHK110X75T	110-75	182	88	73	TBA	36
XSPRHK110X90T	110-90	186	88	82	TBA	30
XSPRHK125X63T	125-63	191	90	66	TBA	26
XSPRHK125X75T	125-75	191	91	73	TBA	24
XSPRHK125X90T	125-90	189	91	81	TBA	18
XSPRHK125X110T	125-110	188	90	90	TBA	24
XSPRHK140X90T	140-90	204	95	81	TBA	24
XSPRHK140X110T	140-110	203	95	91	TBA	24
XSPRHK140X125T	140-125	198	96	93	TBA	18
XSPRHK160X90T	160-90	226	106	83	TBA	14
XSPRHK160X110T	160-110	226	106	92	TBA	14
XSPRHK160X125T	160-125	216	105	93	TBA	12
XSPRHK160X140T	160-140	213	106	97	TBA	8
XSPRHK180X63T	180-63	226	107	68	TBA	8
XSPRHK180X110T	180-110	227	105	86	TBA	8
XSPRHK180X125T	180-125	240	110	90	TBA	6
XSPRHK180X140T	180-140	218	106	94	TBA	12
XSPRHK180X160T	180-160	220	105	105	TBA	6



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Reducer



PE100 | SDR 7.4 | Water PN 25

Code	D - D1 (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XSPRHK200X140T	200-140	236	111	95	TBA	6
XSPRHK200X160T	200-160	243	111	102	TBA	6
XSPRHK200X180T	200-180	234	116	105	TBA	6
XSPRHK225X160T	225-160	260	117	102	TBA	10
XSPRHK225X180T	225-180	275	122	122	TBA	10
XSPRHK225X200T	225-200	258	120	114	TBA	10
XSPRHK250X180T	250-180	292	132	118	TBA	10
XSPRHK250X200T	250-200	274	128	116	TBA	10
XSPRHK250X225T	250-225	273	131	122	TBA	10
XSPRHK315X225T	315-225	330	150	130	TBA	10
XSPRHK315X250T	315-250	320	150	130	TBA	10



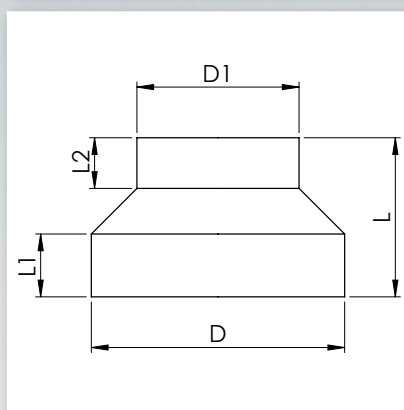
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Reducer - Short Spigot



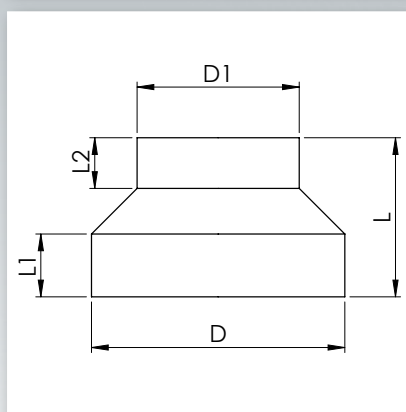
PE100 | SDR 11 | Water PN 16 | Gas 10 Bar

Code	D - D1 (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XSSRHK25X20N	25-20	68	20	20	0.004	80
XSSRHK32X20N	32-20	68	23	23	0.014	80
XSSRHK32X25N	32-25	68	25	25	0.017	80
XSSRHK40X20N	40-20	50	18	13	0.014	50
XSSRHK40X25N	40-25	62	20	20	0.021	50
XSSRHK40X32N	40-32	62	25	25	0.021	50
XSSRHK50X25N	50-25	85	25	25	0.040	45
XSSRHK50X32N	50-32	70	20	20	0.040	30
XSSRHK50X40N	50-40	80	25	25	0.050	40
XSSRHK63X32N	63-32	89	26	27	0.066	30
XSSRHK63X40N	63-40	89	35	21	0.075	20
XSSRHK63X50N	63-50	87	25	25	0.085	20
XSSRHK75X32N	75-32	70	25	10	0.072	20
XSSRHK75X40N	75-40	70	30	25	0.075	20
XSSRHK75X50N	75-50	70	30	28	0.075	20
XSSRHK75X63N	75-63	82	25	25	0.115	20
XSSRHK90X50N	90-50	93	30	28	0.152	6
XSSRHK90X63N	90-63	92	28	28	0.167	6
XSSRHK90X75N	90-75	91	30	28	0.181	10
XSSRHK110X50N	110-50	90	28	14	0.225	4
XSSRHK110X63N	110-63	105	40	36	0.245	4
XSSRHK110X75N	110-75	96	40	28	0.245	4
XSSRHK110X90N	110-90	104	40	41	0.285	4
XSSRHK125X63N	125-63	120	40	35	0.373	18
XSSRHK125X75N	125-75	98	32	19	0.310	18
XSSRHK125X90N	125-90	110	42	41	0.370	18
XSSRHK125X110N	125-110	100	40	40	0.395	18
XSSRHK140X75N	140-75	135	52	41	0.535	10
XSSRHK140X90N	140-90	131	53	42	0.540	10
XSSRHK140X110N	140-110	120	50	40	0.540	10
XSSRHK140X125N	140-125	120	51	40	0.590	10
XSSRHK160X90N	160-90	141	48	34	0.710	10
XSSRHK160X110N	160-110	130	40	34	0.670	10
XSSRHK160X125N	160-125	122	40	32	0.720	10
XSSRHK160X140N	160-140	125	49	38	0.745	10
XSSRHK180X90N	180-90	145	50	40	0.925	6
XSSRHK180X110N	180-110	150	55	42	1.02	6
XSSRHK180X125N	180-125	143	52	40	1.02	12
XSSRHK180X140N	180-140	135	51	47	1.15	8
XSSRHK180X160N	180-160	140	60	50	1.14	4



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Reducer - Short Spigot



PE100 | SDR 11 | Water PN 16 | Gas 10 Bar

Code	D - D1 (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XSSRHK200X140N	200-140	145	62	42	1.315	12
XSSRHK200X160N	200-160	145	63	54	1.34	12
XSSRHK200X180N	200-180	145	62	54	1.475	12
XSSRHK225X140N	225-140	150	62	49	1.655	9
XSSRHK225X160N	225-160	160	65	53	1.785	7
XSSRHK225X180N	225-180	160	64	59	1.8	6
XSSRHK225X200N	225-200	148	63	53	1.805	6
XSSRHK250X160N	250-160	157	62	50	2.305	5
XSSRHK250X180N	250-180	150	62	50	2.35	5
XSSRHK250X200N	250-200	147	60	58	2.81	84
XSSRHK250X225N	250-225	142	50	68	3.025	4
XSSRHK280X200N	280-200	160	72	51	3.78	125
XSSRHK280X225N	280-225	154	72	57	3.86	110
XSSRHK280X250N	280-250	150	69	64	4.155	84
XSSRHK315X225N	315-225	184	82	57	4.98	72
XSSRHK315X250N	315-250	178	81	62	5.415	72
XSSRHK315X280N	315-280	200	87	77	5.60	54
XSSRHK355X250N	355-250	195	87	62	4.4	48
XSSRHK355X280N	355-280	129	45	56	4.1	1
XSSRHK355X315N	355-315	188	88	78	3.7	35
XSSRHK400X280N	400-280	226	96	73	6.2	42
XSSRHK400X315N	400-315	218	97	83	10.4	48
XSSRHK400X355N	400-355	208	97	92	4.8	1
XSSRHK450X315N	450-315	206	65	76	8.0	1
XSSRHK450X355N	450-355	203	64	92	7.4	1
XSSRHK450X400N	450-400	188	64	99	6.6	1
XSSRHK500X355N	500-355	211	63	81	10.8	1
XSSRHK500X400N	500-400	210	62	96	10.0	1
XSSRHK500X450N	500-450	166	63	63	8.3	1
XSSRHK560X400N	560-400	240	60	98	14.7	1
XSSRHK560X450N	560-450	187	60	65	12.0	1
XSSRHK560X500N	560-500	165	57	67	11.4	1
XSSRHK630X450N	630-450	234	60	68	20.2	1
XSSRHK630X500N	630-500	192	62	61	17.8	1
XSSRHK630X560N	630-560	188	64	65	14.8	1



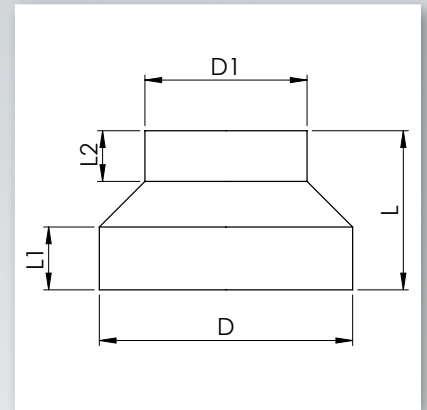
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Reducer - Short Spigot



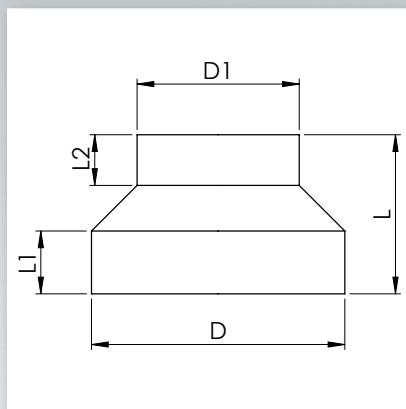
PE100 | SDR 17 | Water PN 10 | Gas 6 Bar

Code	D - D1 (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XSSRHK63X32V	63-32	89	26	27	0.05	30
XSSRHK63X50V	63-50	87	25	25	0.055	20
XSSRHK75X50V	75-50	70	30	28	0.074	6
XSSRHK75X63V	75-63	82	25	25	0.080	6
XSSRHK90X50V	90-50	93	30	28	0.109	6
XSSRHK90X63V	90-63	92	28	28	0.117	6
XSSRHK90X75V	90-75	91	30	28	0.120	10
XSSRHK110X50V	110-50	90	28	14	0.140	4
XSSRHK110X63V	110-63	105	40	36	0.180	4
XSSRHK110X75V	110-75	96	40	28	0.180	4
XSSRHK110X90V	110-90	104	40	41	0.185	4
XSSRHK125X63V	125-63	120	40	35	0.279	18
XSSRHK125X75V	125-75	98	32	19	0.195	18
XSSRHK125X90V	125-90	110	42	41	0.270	18
XSSRHK125X110V	125-110	100	40	40	0.275	18
XSSRHK140X75V	140-75	135	52	41	0.365	12
XSSRHK140X90V	140-90	131	53	42	0.365	12
XSSRHK140X110V	140-110	120	50	40	0.375	12
XSSRHK140X125V	140-125	120	51	40	0.395	12
XSSRHK160X90V	160-90	141	48	34	0.475	10
XSSRHK160X110V	160-110	130	40	34	0.460	10
XSSRHK160X125V	160-125	122	40	32	0.460	10
XSSRHK160X140V	160-140	125	49	38	0.525	10
XSSRHK180X90V	180-90	145	50	40	0.650	6
XSSRHK180X110V	180-110	150	55	42	0.680	6
XSSRHK180X125V	180-125	143	52	40	0.705	12
XSSRHK180X140V	180-140	135	51	47	0.670	12
XSSRHK180X160V	180-160	140	60	50	0.750	4
XSSRHK200X140V	200-140	145	62	42	0.895	12
XSSRHK200X160V	200-160	145	63	54	0.915	4
XSSRHK200X180V	200-180	145	62	54	0.955	4
XSSRHK225X140V	225-140	150	62	49	1.155	7
XSSRHK225X160V	225-160	160	65	53	1.215	7
XSSRHK225X180V	225-180	160	64	59	1.215	6
XSSRHK225X200V	225-200	148	63	53	1.210	6
XSSRHK250X160V	250-160	157	62	50	1.62	5
XSSRHK250X180V	250-180	150	62	50	1.71	5
XSSRHK250X200V	250-200	147	60	58	1.90	84
XSSRHK250X225V	250-225	142	50	68	1.99	4
XSSRHK280X200V	280-200	160	72	51	2.57	114
XSSRHK280X225V	280-225	154	72	57	2.505	110
XSSRHK280X250V	280-250	150	69	64	2.155	92



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Reducer - Short Spigot



PE100 | SDR 17 | Water PN 10 | Gas 6 Bar

Code	D - D1 (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XSSRHK315X225V	315-225	184	82	57	3.56	72
XSSRHK315X250V	315-250	178	81	62	3.695	72
XSSRHK315X280V	315-280	200	87	77	3.680	54
XSSRHK355X250V	355-250	195	87	62	3.0	54
XSSRHK355X280V	355-280	129	45	56	2.7	1
XSSRHK355X315V	355-315	188	88	78	2.4	35
XSSRHK400X280V	400-280	226	96	73	4.1	42
XSSRHK400X315V	400-315	218	97	83	3.74	32
XSSRHK400X355V	400-355	208	97	92	3.1	1
XSSRHK450X315V	450-315	206	65	76	5.4	1
XSSRHK450X355V	450-355	203	64	92	5.0	48
XSSRHK450X400V	450-400	188	64	99	4.4	1
XSSRHK500X355V	500-355	211	63	81	7.3	1
XSSRHK500X400V	500-400	210	62	96	6.7	1
XSSRHK500X450V	500-450	166	63	63	5.5	1
XSSRHK560X400V	560-400	240	60	98	9.9	1
XSSRHK560X450V	560-450	187	60	65	8.86	1
XSSRHK560X500V	560-500	165	57	67	7.6	18
XSSRHK630X450V	630-450	234	60	68	13.7	1
XSSRHK630X500V	630-500	192	62	61	12.0	1
XSSRHK630X560V	630-560	188	64	65	9.8	1
XSSRHK710X560V	710-560	155	60	34	17.4	1
XSSRHK710X630V	710-630	160	66	62	13.7	1
XSSRHK800X710V	800-710	160	62	62	18.9	1
XSSRHK900X800V	900-800	160	62	62	25.9	1
XSSRHK1000X900V	1000-900	156	50	56	30.6	1



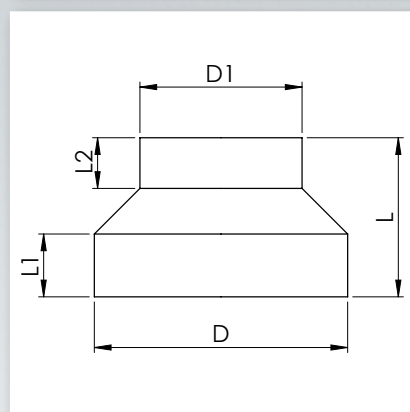
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Reducer - Short Spigot



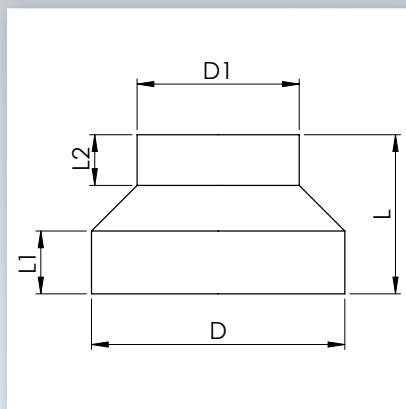
PE100 | SDR 7.4 | Water PN 25

Code	D - D1 (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XSSRHK250X160T	250-160	157	62	50	TBA	TBA
XSSRHK250X180T	250-180	150	62	50	TBA	TBA
XSSRHK250X200T	250-200	147	60	58	TBA	84
XSSRHK250X225T	250-225	142	50	68	TBA	TBA
XSSRHK280X200T	280-200	160	72	51	TBA	TBA
XSSRHK280X225T	280-225	154	72	57	TBA	TBA
XSSRHK280X250T	280-250	150	69	64	TBA	TBA
XSSRHK315X225T	315-225	184	82	57	TBA	TBA
XSSRHK315X250T	315-250	178	81	62	TBA	TBA
XSSRHK315X280T	315-280	200	87	77	TBA	TBA
XSSRHK355X250T	355-250	195	87	62	TBA	TBA
XSSRHK355X280T	355-280	129	45	56	TBA	TBA
XSSRHK355X315T	355-315	188	88	78	TBA	TBA
XSSRHK400X280T	400-280	226	96	73	TBA	TBA
XSSRHK400X315T	400-315	218	97	83	TBA	TBA
XSSRHK400X355T	400-355	208	97	92	TBA	TBA



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Reducer - Short Spigot



PE100 | SDR 26 | Water PN 6

Code	D - D1 (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XSSRHK250X160W	250-160	157	62	50	TBA	TBA
XSSRHK250X180W	250-180	150	62	50	TBA	TBA
XSSRHK250X200W	250-200	147	60	58	TBA	TBA
XSSRHK250X225W	250-225	142	50	68	TBA	TBA
XSSRHK280X200W	280-200	160	72	51	TBA	TBA
XSSRHK280X225W	280-225	154	72	57	TBA	TBA
XSSRHK280X250W	280-250	150	69	64	TBA	TBA
XSSRHK315X225W	315-225	184	82	57	TBA	TBA
XSSRHK315X250W	315-250	178	81	62	TBA	TBA
XSSRHK315X280W	315-280	200	87	77	TBA	TBA
XSSRHK355X250W	355-250	195	87	62	TBA	TBA
XSSRHK355X280W	355-280	129	45	56	TBA	TBA
XSSRHK355X315W	355-315	188	88	78	TBA	TBA
XSSRHK400X280W	400-280	226	96	73	TBA	TBA
XSSRHK400X315W	400-315	218	97	83	TBA	TBA
XSSRHK400X355W	400-355	208	97	92	TBA	TBA
XSSRHK450X315W	450-315	206	65	76	TBA	TBA
XSSRHK450X355W	450-355	203	64	92	TBA	TBA
XSSRHK450X400W	450-400	188	64	99	TBA	TBA
XSSRHK500X355W	500-355	211	63	81	TBA	TBA
XSSRHK500X400W	500-400	210	62	96	TBA	TBA
XSSRHK500X450W	500-450	166	63	63	TBA	TBA
XSSRHK560X400W	560-400	240	60	98	TBA	TBA
XSSRHK560X450W	560-450	187	60	65	TBA	TBA
XSSRHK560X500W	560-500	165	57	67	TBA	TBA
XSSRHK630X450W	630-450	234	60	68	TBA	TBA
XSSRHK630X500W	630-500	192	62	61	TBA	TBA
XSSRHK630X560W	630-560	188	64	65	TBA	TBA
XSSRHK710X560W	710-560	155	60	34	TBA	TBA
XSSRHK710X630W	710-630	160	66	62	TBA	TBA
XSSRHK800X710W	800-710	160	62	62	TBA	TBA
XSSRHK900X800W	900-800	160	62	62	TBA	TBA
XSSRHK1000X900W	1000-900	156	50	56	TBA	TBA
XSSRK1200X1000W	1200-1000	171	58	45	TBA	TBA



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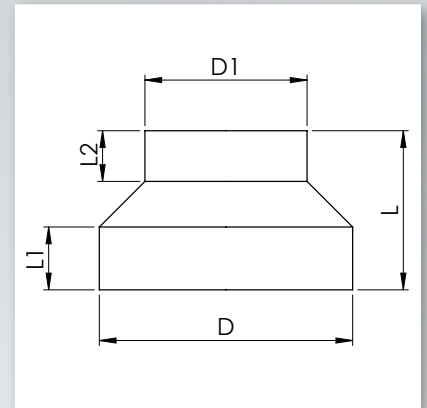
Reducer - Short Spigot



PE100 | SDR 33 | Water PN 5

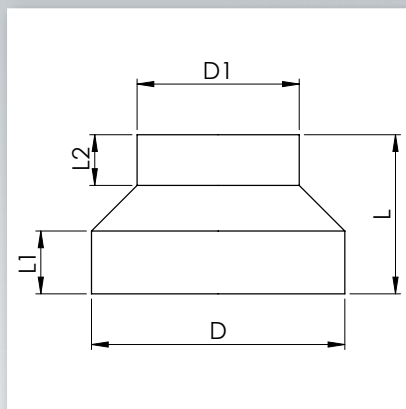
Code	D - D1 (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XSSRHK200X140Y	200-140	149	TBA	TBA	TBA	TBA
XSSRHK200X160Y	200-160	149	TBA	TBA	TBA	TBA
XSSRHK200X180Y	200-180	149	TBA	TBA	TBA	TBA
XSSRHK225X140Y	225-140	179	TBA	TBA	TBA	TBA
XSSRHK225X160Y	225-160	167	TBA	TBA	TBA	TBA
XSSRHK225X180Y	225-180	167	TBA	TBA	TBA	TBA
XSSRHK225X200Y	225-200	167	TBA	TBA	TBA	TBA
XSSRHK250X160Y	*250-160	194	TBA	TBA	TBA	TBA
XSSRHK250X180Y	*250-180	182	TBA	TBA	TBA	TBA
XSSRHK250X200Y	*250-200	182	TBA	TBA	TBA	TBA
XSSRHK250X225Y	*250-225	182	TBA	TBA	TBA	TBA
XSSRHK280X180Y	*280-180	206	TBA	TBA	TBA	TBA
XSSRHK280X200Y	*280-200	206	TBA	TBA	TBA	TBA
XSSRHK280X225Y	*280-225	206	TBA	TBA	TBA	TBA
XSSRHK280X250Y	*280-250	206	TBA	TBA	TBA	TBA
XSSRHK315X200Y	*315-200	230	TBA	TBA	TBA	TBA
XSSRHK315X225Y	*315-225	230	TBA	TBA	TBA	TBA
XSSRHK315X250Y	*315-250	230	TBA	TBA	TBA	TBA
XSSRHK315X280Y	*315-280	230	TBA	TBA	TBA	TBA
XSSRHK355X225Y	*355-225	140	TBA	TBA	TBA	TBA
XSSRHK355X250Y	*355-250	130	TBA	TBA	TBA	TBA
XSSRHK355X280Y	*355-280	120	TBA	TBA	TBA	TBA
XSSRHK355X315Y	*355-315	110	TBA	TBA	TBA	TBA
XSSRHK400X225Y	*400-225	160	TBA	TBA	TBA	TBA
XSSRHK400X250Y	*400-250	150	TBA	TBA	TBA	TBA
XSSRHK400X280Y	*400-280	140	TBA	TBA	TBA	TBA
XSSRHK400X315Y	*400-315	120	TBA	TBA	TBA	TBA
XSSRHK400X355Y	*400-355	110	TBA	TBA	TBA	TBA
XSSRHK450X280Y	*450-280	160	TBA	TBA	TBA	TBA
XSSRHK450X315Y	*450-315	140	TBA	TBA	TBA	TBA
XSSRHK450X355Y	*450-355	130	TBA	TBA	TBA	TBA
XSSRHK450X400Y	*450-400	120	TBA	TBA	TBA	TBA
XSSRHK500X315Y	*500-315	170	TBA	TBA	TBA	TBA
XSSRHK500X355Y	*500-355	150	TBA	TBA	TBA	TBA
XSSRHK500X400Y	*500-400	140	TBA	TBA	TBA	TBA
XSSRHK500X450Y	*500-450	120	TBA	TBA	TBA	TBA
XSSRHK560X355Y	*560-355	170	TBA	TBA	TBA	TBA
XSSRHK560X400Y	*560-400	160	TBA	TBA	TBA	TBA
XSSRHK560X450Y	*560-450	140	TBA	TBA	TBA	TBA
XSSRHK560X500Y	*560-500	130	TBA	TBA	TBA	TBA

* Sizes 250 - 1200mm machined type



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Reducer - Short Spigot



PE100 | SDR 33 | Water PN 5

Code	D - D1 (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XSSRHK630X400Y	*630-400	190	TBA	TBA	TBA	TBA
XSSRHK630X450Y	*630-450	170	TBA	TBA	TBA	TBA
XSSRHK630X500Y	*630-500	150	TBA	TBA	TBA	TBA
XSSRHK630X560Y	*630-560	130	TBA	TBA	TBA	TBA
XSSRHK710X500Y	*710-500	190	TBA	TBA	TBA	TBA
XSSRHK710X560Y	*710-560	170	TBA	TBA	TBA	TBA
XSSRHK710X630Y	*710-630	140	TBA	TBA	TBA	TBA
XSSRHK800X560Y	*800-560	200	TBA	TBA	TBA	TBA
XSSRHK800X630Y	*800-630	180	TBA	TBA	TBA	TBA
XSSRHK800X710Y	*800-710	150	TBA	TBA	TBA	TBA
XSSRHK900X630Y	*900-630	220	TBA	TBA	TBA	TBA
XSSRHK900X710Y	*900-710	190	TBA	TBA	TBA	TBA
XSSRHK900X800Y	*900-800	160	TBA	TBA	TBA	TBA
XSSRHK1000X710Y	*1000-710	220	TBA	TBA	TBA	TBA
XSSRHK1000X800Y	*1000-800	180	TBA	TBA	TBA	TBA
XSSRHK1000X900Y	*1000-900	140	TBA	TBA	TBA	TBA
XSSRK1200X1000Y	*1200-1000	190	TBA	TBA	TBA	TBA

* Sizes 250 - 1200mm machined type

PE100 | SDR 41 | Water PN 4

Code	D - D1 (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XSSRHK500X400Z	500-400	210	62	96	TBA	TBA
XSSRHK500X450Z	500-450	166	63	63	TBA	TBA
XSSRHK560X400Z	560-400	240	60	98	TBA	TBA
XSSRHK560X450Z	560-450	187	60	65	TBA	TBA
XSSRHK560X500Z	560-500	165	57	67	TBA	TBA
XSSRHK630X450Z	630-450	234	60	68	TBA	TBA
XSSRHK630X500Z	630-500	192	62	61	TBA	TBA
XSSRHK630X560Z	630-560	188	64	65	TBA	TBA
XSSRHK710X560Z	710-560	155	60	34	TBA	TBA
XSSRHK710X630Z	710-630	160	66	62	TBA	TBA
XSSRHK800X710Z	800-710	160	62	62	TBA	TBA
XSSRHK900X800Z	900-800	160	62	62	TBA	TBA
XSSRHK1000X900Z	1000-900	156	50	56	TBA	TBA
XSSRK1200X1000Z	1200-1000	171	58	45	TBA	TBA



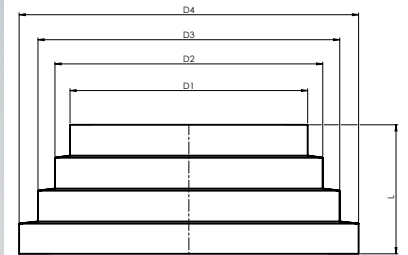
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Step Reducer



PE100 | SDR 11 | Water PN 16 | Gas 10 Bar

Code	D1-D4 (mm)	D1 (mm)	D2 (mm)	D3 (mm)	D4 (mm)	L (mm)	Weight (kg)	Box Quantity
XSSSRHK225X160N	160-225	160	180	200	225	171	1.70	1
XSSSRHK315X225N	225-315	225	250	280	315	171	3.63	1
XSSSRHK450X315N	315-450	315	355	400	450	171	8.06	1
XSSSRHK630X450N	450-630	450	500	560	630	200	19.63	1



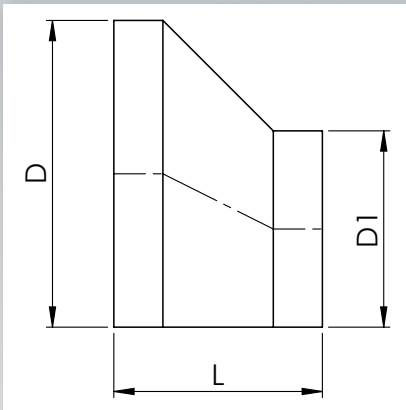
PE100 | SDR 17 | Water PN 10 | Gas 6 Bar

Code	D1-D4 (mm)	D1 (mm)	D2 (mm)	D3 (mm)	D4 (mm)	L (mm)	Weight (kg)	Box Quantity
XSSSRHK225X160V	160-225	160	180	200	225	171	1.24	1
XSSSRHK315X225V	225-315	225	250	280	315	171	2.47	1
XSSSRHK450X315V	315-450	315	355	400	450	171	5.84	1
XSSSRHK630X450V	450-630	450	500	560	630	200	14.04	1
XSSSRHK900X630V	630-900	630	710	800	900	171	30.31	1



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Eccentric Reducer - Short Spigot



PE100 | SDR 11 | Water PN 16

Code	D - D1 (mm)	L (mm)	Weight (kg)	Box Quantity
XSSREHK160X90N	160-90	140	1.0	1
XSSREHK160X110N	160-110	120	0.8	1
XSSREHK160X125N	160-125	110	0.8	1
XSSREHK160X140N	160-140	100	0.7	1
XSSREHK180X110N	180-110	140	1.3	1
XSSREHK180X125N	180-125	130	1.2	1
XSSREHK180X140N	180-140	120	1.1	1
XSSREHK180X160N	180-160	100	0.9	1
XSSREHK200X125N	200-125	150	1.5	1
XSSREHK200X140N	200-140	130	1.4	1
XSSREHK200X160N	200-160	120	1.3	1
XSSREHK200X180N	200-180	100	1.1	1
XSSREHK225X140N	225-140	160	2.1	1
XSSREHK225X160N	225-160	140	2.0	1
XSSREHK225X180N	225-180	120	1.6	1
XSSREHK225X200N	225-200	110	1.5	1
XSSREHK250X160N	250-160	170	2.8	1
XSSREHK250X180N	250-180	150	2.7	1
XSSREHK250X200N	250-200	130	2.3	1
XSSREHK250X225N	250-225	110	1.9	1
XSSREHK280X180N	280-180	180	3.9	1
XSSREHK280X200N	280-200	160	3.6	1
XSSREHK280X225N	280-225	140	3.1	1
XSSREHK280X250N	280-250	120	2.6	1
XSSREHK315X200N	315-200	190	5.1	1
XSSREHK315X225N	315-225	170	4.9	1
XSSREHK315X250N	315-250	150	4.3	1
XSSREHK315X280N	315-280	130	3.6	1
XSSREHK355X225N	355-225	210	7.4	1
XSSREHK355X250N	355-250	190	7.2	1
XSSREHK355X280N	355-280	150	5.2	1
XSSREHK355X315N	355-315	130	4.6	1
XSSREHK400X250N	400-250	230	10.0	1
XSSREHK400X280N	400-280	200	9.5	1
XSSREHK400X315N	400-315	170	7.8	1
XSSREHK400X355N	400-355	140	6.3	1
XSSREHK450X280N	450-280	250	15.1	1
XSSREHK450X315N	450-315	220	13.6	1
XSSREHK450X355N	450-355	190	11.5	1
XSSREHK450X400N	450-400	150	8.6	1



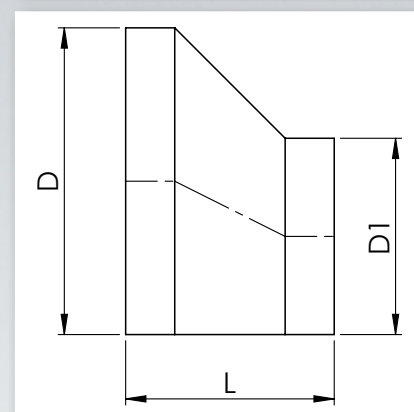
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Eccentric Reducer - Short Spigot



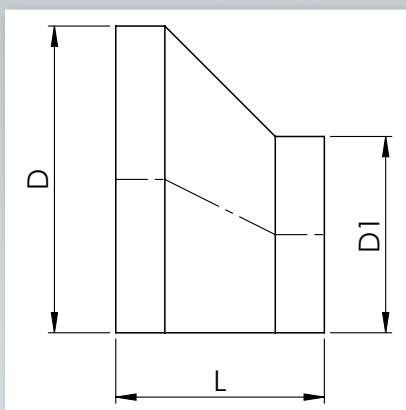
PE100 | SDR 11 | Water PN 16

Code	D - D1 (mm)	L (mm)	Weight (kg)	Box Quantity
XSSREHK500X280N	500-280	290	22.0	1
XSSREHK500X315N	500-315	260	20.1	1
XSSREHK500X355N	500-355	230	17.5	1
XSSREHK500X400N	500-400	200	14.9	1
XSSREHK500X450N	500-450	160	11.4	1
XSSREHK560X400N	560-400	250	21.2	1
XSSREHK560X450N	560-450	210	19.7	1
XSSREHK560X500N	560-500	170	15.3	1
XSSREHK630X450N	630-450	270	29.9	1
XSSREHK630X500N	630-500	230	27.4	1
XSSREHK630X560N	630-560	180	20.5	1



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Eccentric Reducer - Short Spigot



PE100 | SDR 17 | Water PN 10

Code	D - D1 (mm)	L (mm)	Weight (kg)	Box Quantity
XSSREHK160X90V	160-90	140	0.8	1
XSSREHK160X110V	160-110	120	0.7	1
XSSREHK160X125V	160-125	110	0.6	1
XSSREHK160X140V	160-140	100	0.4	1
XSSREHK180X110V	180-110	140	0.9	1
XSSREHK180X125V	180-125	130	0.8	1
XSSREHK180X140V	180-140	120	0.7	1
XSSREHK180X160V	180-160	100	0.5	1
XSSREHK200X125V	200-125	150	1.3	1
XSSREHK200X140V	200-140	130	1.1	1
XSSREHK200X160V	200-160	120	0.9	1
XSSREHK200X180V	200-180	100	0.8	1
XSSREHK225X140V	225-140	160	1.8	1
XSSREHK225X160V	225-160	140	1.6	1
XSSREHK225X180V	225-180	120	1.2	1
XSSREHK225X200V	225-200	110	1.0	1
XSSREHK250X160V	250-160	170	2.1	1
XSSREHK250X180V	250-180	150	1.9	1
XSSREHK250X200V	250-200	130	1.7	1
XSSREHK250X225V	250-225	110	1.2	1
XSSREHK280X180V	280-180	180	2.7	1
XSSREHK280X200V	280-200	160	2.5	1
XSSREHK280X225V	280-225	140	2.1	1
XSSREHK280X250V	280-250	120	1.7	1
XSSREHK315X200V	315-200	190	3.8	1
XSSREHK315X225V	315-225	170	3.5	1
XSSREHK315X250V	315-250	150	2.9	1
XSSREHK315X280V	315-280	130	2.3	1
XSSREHK355X225V	355-225	210	5.7	1
XSSREHK355X250V	355-250	190	5.2	1
XSSREHK355X280V	355-280	150	3.9	1
XSSREHK355X315V	355-315	130	2.9	1
XSSREHK400X250V	400-250	230	8.0	1
XSSREHK400X280V	400-280	200	7.6	1
XSSREHK400X315V	400-315	170	6.0	1
XSSREHK400X355V	400-355	140	4.1	1
XSSREHK450X280V	450-280	250	11.0	1
XSSREHK450X315V	450-315	220	9.9	1
XSSREHK450X355V	450-355	190	8.1	1
XSSREHK450X400V	450-400	150	5.6	1



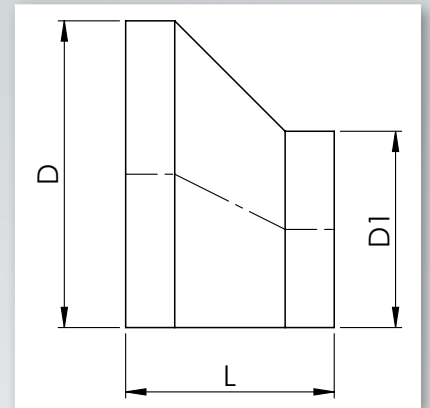
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Eccentric Reducer - Short Spigot



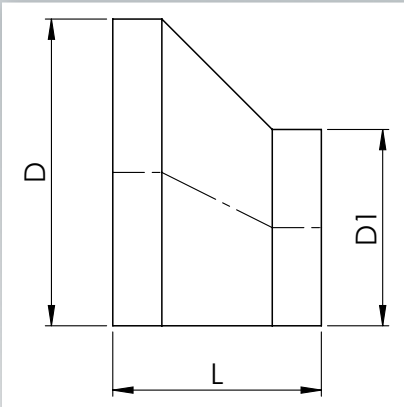
PE100 | SDR 17 | Water PN 10

Code	D - D1 (mm)	L (mm)	Weight (kg)	Box Quantity
XSSREHK500X280V	500-280	290	14.5	1
XSSREHK500X315V	500-315	260	13.6	1
XSSREHK500X355V	500-355	230	12.8	1
XSSREHK500X400V	500-400	200	10.6	1
XSSREHK500X450V	500-450	160	6.9	1
XSSREHK560X400V	560-400	250	15.0	1
XSSREHK560X450V	560-450	210	13.9	1
XSSREHK560X500V	560-500	170	9.3	1
XSSREHK630X450V	630-450	270	24.0	1
XSSREHK630X500V	630-500	230	22.0	1
XSSREHK630X560V	630-560	180	19.7	1
XSSREHK710X560V	710-560	240	13.8	1
XSSREHK710X630V	710-630	180	TBA	1
XSSREHK800X630V	800-630	270	TBA	1
XSSREHK800X710V	800-710	190	TBA	1
XSSREHK900X710V	900-710	280	TBA	1
XSSREHK900X800V	900-800	210	TBA	1
XSSREK1000X800V	1000-800	220	TBA	1
XSSREK1000X900V	1000-900	290	TBA	1



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Eccentric Reducer - Short Spigot



PE100 | SDR 33 | Water PN 5

Code	D - D1 (mm)	L (mm)	Weight (kg)	Box Quantity
XSSREHK160X90Y	160-90	140	0.7	1
XSSREHK160X110Y	160-110	120	0.5	1
XSSREHK160X125Y	160-125	110	0.4	1
XSSREHK160X140Y	160-140	100	0.3	1
XSSREHK180X110Y	180-110	140	0.8	1
XSSREHK180X125Y	180-125	130	0.7	1
XSSREHK180X140Y	180-140	120	0.5	1
XSSREHK180X160Y	180-160	100	0.3	1
XSSREHK200X125Y	200-125	150	1.1	1
XSSREHK200X140Y	200-140	130	0.9	1
XSSREHK200X160Y	200-160	120	0.6	1
XSSREHK200X180Y	200-180	100	0.4	1
XSSREHK225X140Y	225-140	160	1.4	1
XSSREHK225X160Y	225-160	140	1.2	1
XSSREHK225X180Y	225-180	120	0.9	1
XSSREHK225X200Y	225-200	110	0.6	1
XSSREHK250X160Y	250-160	170	1.6	1
XSSREHK250X180Y	250-180	150	1.4	1
XSSREHK250X200Y	250-200	130	1.1	1
XSSREHK250X225Y	250-225	110	0.8	1
XSSREHK280X180Y	280-180	180	2.3	1
XSSREHK280X200Y	280-200	160	2.0	1
XSSREHK280X225Y	280-225	140	1.5	1
XSSREHK280X250Y	280-250	120	1.1	1
XSSREHK315X200Y	315-200	190	2.9	1
XSSREHK315X225Y	315-225	170	2.7	1
XSSREHK315X250Y	315-250	150	2.1	1
XSSREHK315X280Y	315-280	130	1.4	1
XSSREHK355X225Y	355-225	210	4.4	1
XSSREHK355X250Y	355-250	190	4.1	1
XSSREHK355X280Y	355-280	150	2.9	1
XSSREHK355X315Y	355-315	130	2.0	1
XSSREHK400X250Y	400-250	230	4.4	1
XSSREHK400X280Y	400-280	200	4.2	1
XSSREHK400X315Y	400-315	170	4.0	1
XSSREHK400X355Y	400-355	140	2.4	1
XSSREHK450X280Y	450-280	250	8.5	1
XSSREHK450X315Y	450-315	220	7.9	1
XSSREHK450X355Y	450-355	190	5.4	1
XSSREHK450X400Y	450-400	150	3.4	1



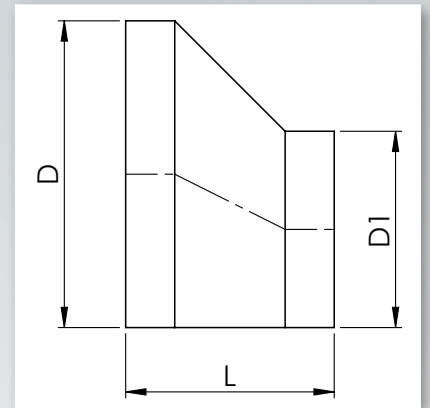
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Eccentric Reducer - Short Spigot



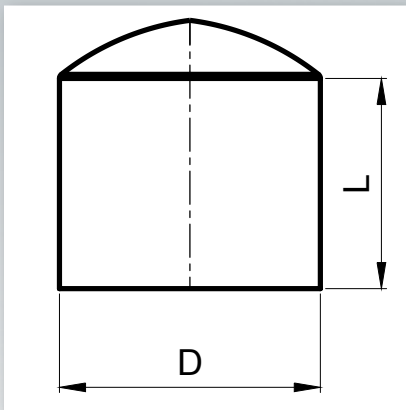
PE100 | SDR 33 | Water PN 5

Code	D - D1 (mm)	L (mm)	Weight (kg)	Box Quantity
XSSREHK500X280Y	500-280	290	14.5	1
XSSREHK500X315Y	500-315	260	13.6	1
XSSREHK500X355Y	500-355	230	10.1	1
XSSREHK500X400Y	500-400	200	7.1	1
XSSREHK500X450Y	500-450	160	4.1	1
XSSREHK560X400Y	560-400	250	10.5	1
XSSREHK560X450Y	560-450	210	9.4	1
XSSREHK560X500Y	560-500	170	5.6	1
XSSREHK630X450Y	630-450	270	15.0	1
XSSREHK630X500Y	630-500	230	13.5	1
XSSREHK630X560Y	630-560	180	8.7	1
XSSREHK710X560Y	710-560	240	14.0	1
XSSREHK710X630Y	710-630	180	11.8	1
XSSREHK800X630Y	800-630	270	18.0	1
XSSREHK800X710Y	800-710	190	15.8	1
XSSREHK900X710Y	900-710	280	24	1
XSSREHK900X800Y	900-800	210	21.1	1
XSSREK1000X800Y	1000-800	220	28.0	1
XSSREK1000X900Y	1000-900	290	25.4	1
XSSREK1200X100Y	1200-1000	TBA	42.0	1



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End Cap



PE100 | SDR 11 | Water PN 16 | Gas 10 Bar

Code	D (mm)	L (mm)	Weight (kg)	Box Quantity
XLSECHK20N	20	41	0.008	100
XLSECHK25N	25	41	0.011	100
XLSECHK32N	32	44	0.017	100
XLSECHK40N	40	49	0.029	60
XLSECHK50N	50	55	0.049	50
XLSECHK63N	63	63	0.088	36
XLSECHK75N	75	70	0.147	27
XLSECHK90N	90	79	0.238	60
XLSECHK110N	110	82	0.369	36
XLSECHK125N	125	87	0.523	24
XLSECHK140N	140	92	0.757	22
XLSECHK160N	160	98	1.029	15
XLSECHK180N	180	105	1.385	8
XLSECHK200N	200	112	1.868	10
XLSECHK225N	225	120	2.388	4
XLSECHK250N	250	129	3.289	4
XLSECHK280N	280	139	4.527	3
XLSECHK315N	315	150	6.091	2
XLSECHK355N	355	163	8.765	1
XLSECHK400N	400	179	12.84	1
XLSECHK450N	*450	295	TBA	1
XLSECHK500N	*500	305	TBA	1
XLSECHK560N	*560	315	TBA	1
XLSECHK630N	*630	325	TBA	1

* Sizes 450 - 630mm - machined short type - supplied with pipe extension



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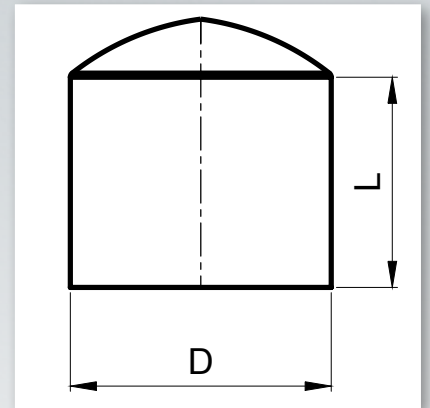
End Cap



PE100 | SDR 17 | Water PN 10 | Gas 6 Bar

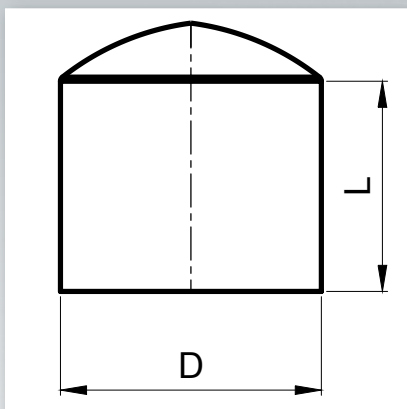
Code	D (mm)	L (mm)	Weight (kg)	Box Quantity
XLSECHK50V	50	55	0.034	50
XLSECHK63V	63	63	0.079	36
XLSECHK75V	75	70	0.117	27
XLSECHK90V	90	79	0.205	60
XLSECHK110V	110	82	0.308	36
XLSECHK125V	125	87	0.436	24
XLSECHK140V	140	92	0.621	22
XLSECHK160V	160	98	0.863	15
XLSECHK180V	180	105	1.135	8
XLSECHK200V	200	112	1.518	10
XLSECHK225V	225	120	2.113	4
XLSECHK250V	250	129	2.764	4
XLSECHK280V	280	139	3.761	3
XLSECHK315V	315	150	5.191	2
XLSECHK355V	355	164	7.465	1
XLSECHK400V	400	179	10.64	1
XLSECHK450V	*450	295	TBA	1
XLSECHK500V	*500	305	TBA	1
XLSECHK560V	*560	315	TBA	1
XLSECHK630V	*630	325	TBA	1
XLSECHK710V	*710	320	TBA	1
XLSECHK800V	*800	330	TBA	1
XLSECHK900V	*900	340	TBA	1

* Sizes 450 - 900mm - machined short type - supplied with pipe extension



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End Cap



PE100 | SDR 7.4 | Water PN 25

Code	D (mm)	L (mm)	Weight (kg)	Box Quantity
XLSECHK25T	25	48	TBA	250
XLSECHK32T	32	52	TBA	150
XLSECHK40T	40	49	TBA	100
XLSECHK50T	50	59	TBA	130
XLSECHK63T	63	71	TBA	76
XLSECHK75T	75	81	TBA	54
XLSECHK90T	90	82	TBA	32
XLSECHK110T	110	96	TBA	45
XLSECHK125T	125	89	TBA	36
XLSECHK140T	140	104	TBA	33
XLSECHK160T	160	122	TBA	14
XLSECHK180T	180	103	TBA	12
XLSECHK200T	200	132	TBA	7
XLSECHK225T	225	120	TBA	136
XLSECHK250T	250	124	TBA	6
XLSECHK280T	280	136	TBA	66
XLSECHK315T	315	160	TBA	40



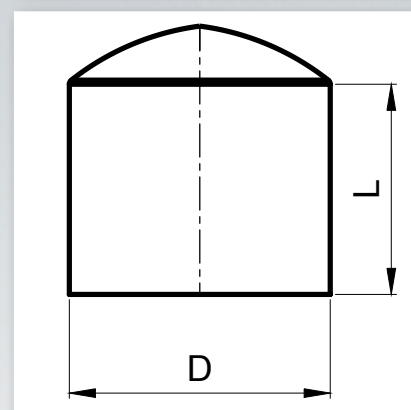
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End Cap - Short Spigot



PE100 | SDR 11 | Water PN 16 | Gas 10 Bar

Code	D (mm)	L (mm)	Weight (kg)	Box Quantity
XSSECHK125N	125	40	TBA	1
XSSECHK140N	140	40	TBA	1
XSSECHK160N	160	45	TBA	1
XSSECHK180N	180	45	TBA	1
XSSECHK200N	200	50	TBA	1
XSSECHK225N	225	55	TBA	1
XSSECHK250N	250	60	2.65	1
XSSECHK280N	280	65	3.50	1
XSSECHK315N	315	70	4.50	1
XSSECHK355N	355	80	5.30	1
XSSECHK400N	400	85	7.42	1
XSSECHK450N	450	95	10.60	1
XSSECHK500N	500	105	14.60	1
XSSECHK560N	560	115	21.00	1
XSSECHK630N	630	125	33.90	1



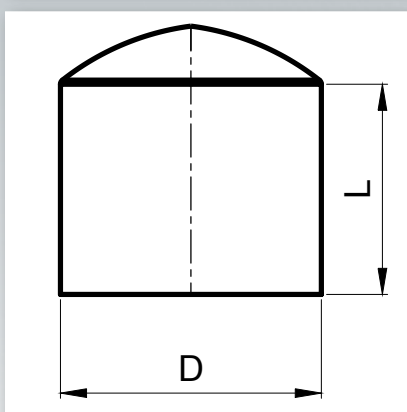
PE100 | SDR 17 | Water PN10 | Gas 6 Bar

Code	D (mm)	L (mm)	Weight (kg)	Box Quantity
XSSECHK125V	125	35	TBA	1
XSSECHK140V	140	35	TBA	1
XSSECHK160V	160	40	TBA	1
XSSECHK180V	180	45	TBA	1
XSSECHK200V	200	45	TBA	1
XSSECHK225V	225	50	TBA	1
XSSECHK250V	250	55	1.66	1
XSSECHK280V	280	60	2.86	1
XSSECHK315V	315	65	3.10	1
XSSECHK355V	355	70	4.58	1
XSSECHK400V	400	75	6.40	1
XSSECHK450V	450	85	8.90	1
XSSECHK500V	500	90	12.10	1
XSSECHK560V	560	100	16.70	1
XSSECHK630V	630	110	23.90	1
XSSECHK710V	710	120	34.00	1
XSSECHK800V	800	130	47.50	1
XSSECHK900V	900	140	TBA	1



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End Cap - Short Spigot



PE100 | SDR 33 | Water PN5

Code	D (mm)	L (mm)	Weight (kg)	Box Quantity
XSSECHK125Y	125	30	TBA	1
XSSECHK140Y	140	35	TBA	1
XSSECHK160Y	160	35	TBA	1
XSSECHK180Y	180	40	TBA	1
XSSECHK200Y	200	40	TBA	1
XSSECHK225Y	225	45	TBA	1
XSSECHK250Y	250	45	TBA	1
XSSECHK280Y	280	50	TBA	1
XSSECHK315Y	315	55	TBA	1
XSSECHK355Y	355	60	TBA	1
XSSECHK400Y	400	65	TBA	1
XSSECHK450Y	450	70	TBA	1
XSSECHK500Y	500	80	TBA	1
XSSECHK560Y	560	85	TBA	1
XSSECHK630Y	630	95	TBA	1
XSSECHK710Y	710	110	TBA	1
XSSECHK800Y	800	120	TBA	1
XSSECHK900Y	900	130	TBA	1
XSSECHK1000Y	1000	140	TBA	1



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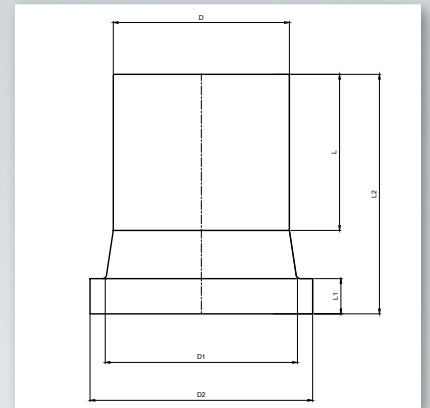
Flange Adaptor



PE100 | SDR 11 | Water PN 16 | Gas 10 Bar

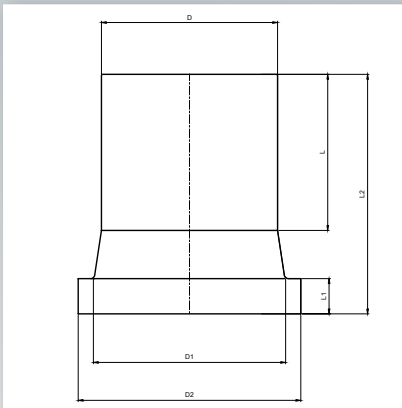
Code	D (mm)	D1 (mm)	D2 (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XSFHK20N	20	28	45	41	7	80	0.03	100
XSFHK25N	25	34	54	41	9	81	0.04	50
XSFHK32N	32	42	64	44	10	86	0.06	40
XSFHK40N	40	51	78	49	11	88	0.09	70
XSFHK50N	50	62	88	55	12	92	0.13	50
XSFHK63N	63	78	102	63	14	100	0.19	60
XSFHK75N	75	92	122	70	16	120	0.30	60
XSFHK90N	90	108	138	79	17	132	0.46	45
XSFHK110N	110	125	158	82	18	150	0.69	24
XSFHK125N	125	135	158	87	25	165	0.88	16
XSFHK140N	140	155	188	92	25	190	1.32	12
XSFHK160N	160	175	212	98	25	180	1.63	12
XSFHK180N	180	188	212	105	30	160	2.02	12
XSFHK200N	200	230	268	112	32	200	2.68	4
XSFHK225N	225	238	268	120	32	196	3.15	4
XSFHK250N	250	288	320	129	35	205	4.03	2
XSFHK280N	280	294	320	139	35	215	4.75	2
XSFHK315N	315	338	375	150	35	224	6.65	2
XSFHK355N	355	376	435	164	45	240	9.05	1
XSFHK400N	400	430	485	179	50	264	12.86	1
XSFHK450N	*450	465	545	195	66	360	22.85	1
XSFHK450NE	*450(DN500)	517	585	195	65	360	25.57	1
XSFHK500N	*500	530	585	212	60	354	27.04	1
XSFHK560N	*560	618	685	235	80	423	39.36	1
XSFHK630N	*630	645	685	255	65	404	43.01	1
XSFHK710N	*710	740	800	282	75	447	61.41	1

* Sizes 450 - 710 - injected short type - supplied with pipe extension



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Flange Adaptor



PE100 | SDR 17 | Water PN 10 | Gas 6 Bar

Code	D (mm)	D1 (mm)	D2 (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XSFHK63V	63	78	102	63	14	98	0.17	60
XSFHK75V	75	92	122	70	16	120	0.26	60
XSFHK90V	90	108	138	79	17	116	0.40	45
XSFHK110V	110	125	158	82	17	150	0.56	24
XSFHK125V	125	135	158	87	18	165	0.69	16
XSFHK140V	140	155	188	92	18	188	1.06	12
XSFHK160V	160	175	212	98	18	175	1.17	12
XSFHK180V	180	188	212	105	20	156	1.49	12
XSFHK200V	200	230	268	112	24	188	1.98	4
XSFHK225V	225	238	268	120	24	205	2.28	4
XSFHK250V	250	288	320	129	25	195	3.40	2
XSFHK280V	280	294	320	139	25	213	3.85	2
XSFHK315V	315	338	375	150	25	221	4.70	2
XSFHK355V	355	376	435	164	30	227	6.25	1
XSFHK400V	400	430	485	179	33	242	8.75	1
XSFHK450V	*450	465	545	195	45	335	14.24	1
XSFHK450VE	*450(DN500)	517	585	195	45	335	16.95	1
XSFHK500V	*500	530	590	212	46	339	17.88	1
XSFHK560V	*560	618	690	235	50	373	26.67	1
XSFHK630V	*630	645	690	255	50	384	28.66	1
XSFHK710V	*710	740	800	282	50	422	41.62	1
XSFHK800V	*800	843	900	312	60	463	48.80	1
XSFHK900V	*900	947	1000	312	60	463	62.50	1
XSFHK1000V	*1000	1050	1112	312	65	463	81.00	1

* Sizes 450 - 1000 - Injected short type - supplied with pipe extension



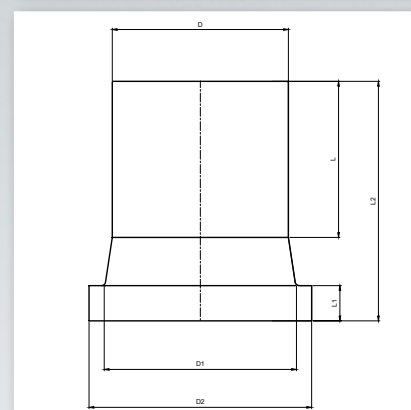
Every effort has been made to ensure the information in this brochure is correct at the date of issue. Fusion operates a policy of continuous product improvement and range extension and, therefore, reserves the right to modify product specifications in line with market requirements. All dimensions in this catalogue are nominal.

Flange Adaptor



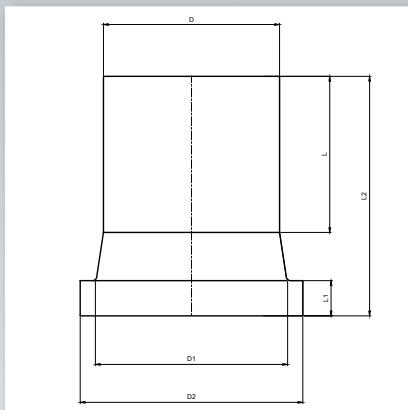
PE100 | SDR 7.4 | Water PN 25

Code	D (mm)	D1 (mm)	D2 (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XSFKK25T	25	33	58	46	10	69	TBA	70
XSFKK32T	32	40	68	56	11	82	TBA	50
XSFKK40T	40	50	78	56	12	80	TBA	30
XSFKK50T	50	61	88	52	14	89	TBA	100
XSFKK63T	63	75	102	63	17	100	TBA	60
XSFKK75T	75	89	122	73	19	114	TBA	40
XSFKK90T	90	105	138	82	21	127	TBA	30
XSFKK110T	110	125	158	90	23	143	TBA	24
XSFKK125T	125	134	158	102	28	152	TBA	20
XSFKK140T	140	155	187	102	30	162	TBA	12
XSFKK160T	160	175	212	106	31	170	TBA	12
XSFKK180T	180	180	212	108	34	179	TBA	144
XSFKK200T	200	232	268	119	36	201	TBA	70
XSFKK225T	225	235	268	115	36	190	TBA	70
XSFKK250T	250	285	320	122	36	204	TBA	50



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Flange Adaptor



The flange adaptors on this page can be used with the following flanges -

Page 94/97 - ANSI 150
Page 95/98 - Table D - AS2129/AS4087
Page 96/99 - Table E - AS2129/AS4087

PE100 | SDR 11 | Water PN 16 | Gas 10 Bar

Code	D (mm)	D1 (mm)	D2 (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XSFHK20NA	20	28	45	41	7	76	0.03	100
XSFHK25NA	25	34	58	41	9	81	0.04	50
XSFHK32NA	32	42	68	44	10	85	0.06	40
XSFHK40NA	40	48	78	49	11	88	0.09	70
XSFHK50NA	50	58	88	55	12	92	0.13	50
XSFHK63NA	63	75	95	63	14	100	0.19	60
XSFHK75NA	75	88	108	70	15	120	0.30	60
XSFHK90NA	90	103	129	79	17	132	0.45	45
XSFHK110NA	110	124	158	82	18	150	0.69	24

PE100 | SDR 17 | Water PN10 | Gas 6 Bar

Code	D (mm)	D1 (mm)	D2 (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XSFHK63VA	63	75	95	63	14	98	0.17	60
XSFHK75VA	75	88	108	70	15	120	0.26	60
XSFHK90VA	90	103	129	79	17	116	0.40	45
XSFHK110VA	110	124	158	82	17	150	0.56	24



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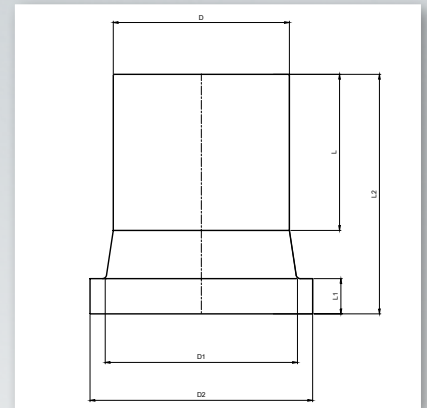
Flange Adaptor - Chamfered (suitable for butterfly valve)



PE100 | SDR 11 | Water PN 16 | Gas 10 Bar

Code	D (mm)	D1 (mm)	D2 (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XSFHK160NBF	160	175	212	98	25	180	1.63	12
XSFHK180NBF	180	188	212	105	30	160	2.02	12
XSFHK200NBF	200	230	268	112	32	200	2.68	4
XSFHK225NBF	225	238	268	120	32	196	3.15	4
XSFHK250NBF	250	288	320	129	35	205	4.03	2
XSFHK280NBF	280	294	320	139	35	215	4.75	2
XSFHK315NBF	315	338	375	150	35	224	6.65	2
XSFHK355NBF	355	376	435	164	45	240	9.05	1
XSFHK400NBF	400	430	485	179	50	264	12.86	1
XSFHK450NBFE	*450(DN500)	517	585	195	65	360	25.57	1
XSFHK500NBF	*500	530	585	212	60	354	27.04	1
XSFHK560NBF	*560	618	685	235	80	423	39.36	1
XSFHK630NBF	*630	645	685	255	65	404	43.01	1
XSFHK710NBF	*710	740	800	282	75	447	61.41	1

* Sizes 450 - 710mm - injected short type - supplied with pipe extension



PE100 | SDR 17 | Water PN 10 | Gas 6 Bar

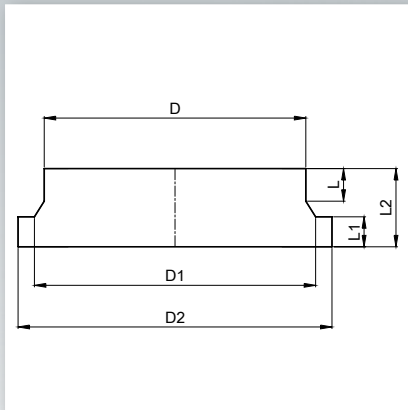
Code	D (mm)	D1 (mm)	D2 (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XSFHK160VBF	160	175	212	98	18	175	1.17	12
XSFHK180VBF	180	188	212	105	20	156	1.49	12
XSFHK200VBF	200	230	268	112	24	188	1.98	4
XSFHK225VBF	225	238	268	120	24	205	2.28	4
XSFHK250VBF	250	288	320	129	25	195	3.40	2
XSFHK280VBF	280	294	320	139	25	213	3.85	2
XSFHK315VBF	315	338	375	150	25	221	4.70	2
XSFHK355VBF	355	376	435	164	30	227	6.25	1
XSFHK400VBF	400	430	485	179	33	242	8.75	1
XSFHK450VBFE	*450(DN500)	517	585	195	45	335	16.95	1
XSFHK500VBF	*500	530	590	212	46	339	17.88	1
XSFHK560VBF	*560	618	690	235	50	373	26.67	1
XSFHK630VBF	*630	645	690	255	50	384	28.66	1
XSFHK710VBF	*710	740	800	282	50	422	41.62	1
XSFHK800VBF	*800	843	900	312	60	463	48.80	1
XSFHK900VBF	*900	947	1000	312	60	463	62.50	1
XSFHK1000VBF	*1000	1050	1112	312	65	463	81.00	1

* Sizes 450 - 1000mm - injected short type - supplied with pipe extension



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Flange Adaptor - Short Spigot



PE100 | SDR 11 | Water PN 16 | Gas 10 Bar

Code	D (mm)	D1 (mm)	D2 (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XSSSFHK20N	20	27	45	30	7	52	0.02	100
XSSSFHK25N	25	33	58	27	9	53	0.04	50
XSSSFHK32N	32	40	68	28	10	52	0.05	40
XSSSFHK40N	40	50	78	25	11	51	0.08	25
XSSSFHK50N	50	61	88	27	12	53	0.09	15
XSSSFHK63N	63	75	102	23	14	55	0.14	10
XSSSFHK75N	75	89	122	21	16	56	0.22	40
XSSSFHK90N	90	105	138	43	17	80	0.34	27
XSSSFHK110N	110	125	158	37	18	80	0.47	16
XSSSFHK125N	125	132	158	35	25	80	0.59	14
XSSSFHK140N	140	155	188	35	25	83	0.75	12
XSSSFHK160N	160	175	212	43	25	95	0.98	8
XSSSFHK180N	180	180	212	53	30	84	1.00	8
XSSSFHK200N	200	230	268	50	32	120	2.15	6
XSSSFHK225N	225	238	268	50	32	120	2.09	6
XSSSFHK250N	250	288	320	45	35	120	3.18	3
XSSSFHK280N	280	294	320	46	35	120	3.07	3
XSSSFHK315N	315	338	375	47	35	120	4.14	3
XSSSFHK355N	355	376	435	45	45	120	5.53	1
XSSSFHK400N	400	430	485	45	50	124	7.62	1
XSSSFHK450N	450	465	545	45	66	160	12.90	1
XSSSFHK450NE	450(DN500)	517	585	40	65	160	15.32	1
XSSSFHK500N	500	530	590	40	60	134	13.27	1
XSSSFHK560N	560	618	690	43	80	180	20.27	1
XSSSFHK630N	630	645	690	45	65	140	16.77	1
XSSSFHK710N	710	740	800	40	75	154	24.37	1
XSSSFHK800N	800	840	904	28	30	138	TBA	1



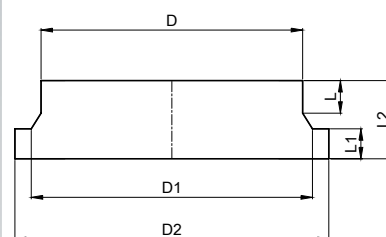
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Flange Adaptor - Short Spigot



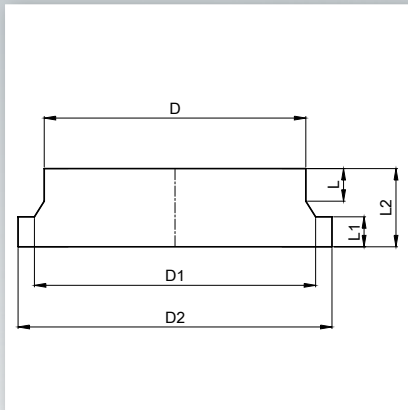
PE100 | SDR 17 | Water PN 10 | Gas 6 Bar

Code	D (mm)	D1 (mm)	D2 (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XSSSFHK50V	50	61	88	30	12	56	0.10	5
XSSSFHK63V	63	75	102	25	14	57	0.10	2
XSSSFHK75V	75	89	122	21	16	56	0.20	1
XSSSFHK90V	90	105	138	43	17	80	0.30	1
XSSSFHK110V	110	125	158	37	18	80	0.40	1
XSSSFHK125V	125	132	158	45	18	88	0.40	1
XSSSFHK140V	140	155	188	39	18	82	0.50	1
XSSSFHK160V	160	175	212	52	18	100	0.70	1
XSSSFHK180V	180	180	212	60	20	82	0.70	1
XSSSFHK200V	200	230	268	57	24	120	1.57	6
XSSSFHK225V	225	238	268	61	24	120	1.47	6
XSSSFHK250V	250	288	320	55	25	120	2.27	3
XSSSFHK280V	280	294	320	56	25	120	2.13	3
XSSSFHK315V	315	338	375	57	25	120	2.90	3
XSSSFHK355V	355	376	435	60	30	120	4.02	1
XSSSFHK400V	400	430	485	52	33	120	5.20	1
XSSSFHK450V	450	465	545	40	45	134	7.28	1
XSSSFHK450VE	450(DN500)	517	585	40	45	134	9.90	1
XSSSFHK500V	500	530	590	45	46	120	8.54	1
XSSSFHK560V	560	618	690	36	50	130	13.71	1
XSSSFHK630V	630	645	690	45	50	120	10.87	1
XSSSFHK710V	710	740	800	40	50	130	16.69	1
XSSSFHK800V	800	843	900	45	60	140	20.12	1
XSSSFHK900V	900	947	1000	45	60	150	26.27	1
XSSSFHK1000V	1000	1050	1112	45	65	165	36.28	1
XSSSFHK1100V	1100	1150	1234	40	75	175	42.40	1
XSSSFHK1200V	1200	1330	1330	35	85	170	42.40	1



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Flange Adaptor - Short Spigot



PE100 | SDR 7.4 | Water PN25

Code	D (mm)	D1 (mm)	D2 (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XSSSFHK280T	280	291	320	64	40	104	TBA	TBA
XSSSFHK315T	315	335	370	77	40	117	TBA	TBA
XSSSFHK355T	355	373	430	52	45	97	TBA	TBA
XSSSFHK400T	400	427	475	46	50	96	TBA	TBA
XSSSFHK450T	450	514	585	63	70	133	TBA	TBA
XSSSFHK500T	500	530	594	64	70	134	TBA	TBA

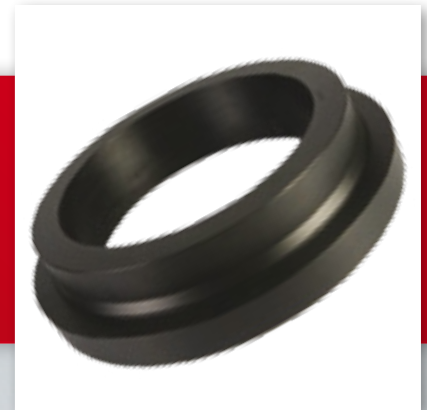
PE100 | SDR 26 | Water PN 6

Code	D (mm)	D1 (mm)	D2 (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XSSSFHK160W	160	175	212	25	20	45	TBA	TBA
XSSSFHK180W	180	184	212	30	21	51	TBA	TBA
XSSSFHK200W	200	232	269	41	26	67	TBA	TBA
XSSSFHK225W	225	235	268	32	26	58	TBA	TBA
XSSSFHK250W	250	285	320	38	26	64	TBA	TBA
XSSSFHK280W	280	291	320	64	26	90	TBA	TBA
XSSSFHK315W	315	335	370	77	28	105	TBA	TBA
XSSSFHK355W	355	373	430	52	32	84	TBA	TBA
XSSSFHK400W	400	427	475	46	33	79	TBA	TBA
XSSSFHK450W	450	514	585	63	40	103	TBA	TBA
XSSSFHK500W	500	530	594	64	40	104	TBA	TBA
XSSSFHK560W	560	615	685	54	42	96	TBA	TBA
XSSSFHK630W	630	642	695	46	42	88	TBA	TBA
XSSSFHK710W	710	737	804	35	42	77	TBA	TBA
XSSSFHK800W	800	840	904	30	43	73	TBA	TBA
XSSSFHK900W	900	944	1000	28	46	74	TBA	TBA
XSSSFHK1000W	1000	1045	1105	40	50	90	TBA	TBA
XSSSFHK1100W	1100	1150	1234	40	60	100	TBA	TBA
XSSSFHK1200W	1200	1240	1330	35	70	105	TBA	TBA



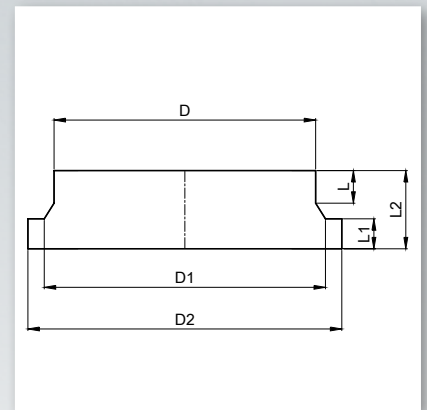
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Flange Adaptor - Short Spigot



PE100 | SDR 33 | Water PN 5

Code	D (mm)	D1 (mm)	D2 (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XSSSFHK110Y	110	175	212	25	20	45	0.31	16
XSSSFHK125Y	125	184	212	30	21	51	0.31	14
XSSSFHK140Y	140	232	269	41	26	67	0.42	12
XSSSFHK160Y	160	175	212	25	20	45	0.58	8
XSSSFHK180Y	180	184	212	30	21	51	0.54	8
XSSSFHK200Y	200	232	269	41	26	67	1.26	8
XSSSFHK225Y	225	235	268	32	26	58	0.96	8
XSSSFHK250Y	250	285	320	38	26	64	1.765	5
XSSSFHK280Y	280	291	320	64	26	90	1.375	5
XSSSFHK315Y	315	335	370	77	28	105	2.49	3
XSSSFHK355Y	355	373	430	52	32	84	3.59	4
XSSSFHK400Y	400	427	475	46	33	79	5.44	2
XSSSFHK450Y	450	514	585	63	40	103	7.47	2
XSSSFHK500Y	500	530	594	64	40	104	6.56	2
XSSSFHK560Y	560	615	685	54	42	96	9.84	10
XSSSFHK630Y	630	737	804	35	42	77	7.52	10



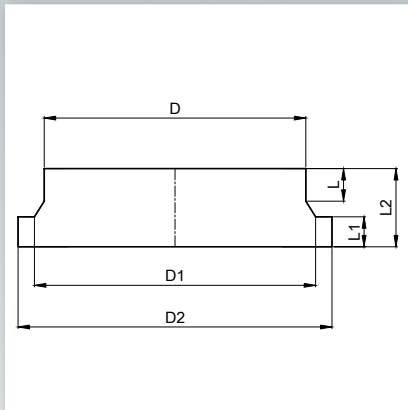
PE100 | SDR 41 | Water PN 4

Code	D (mm)	D1 (mm)	D2 (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XSSSFHK500Z	500	530	594	64	40	104	TBA	TBA
XSSSFHK560Z	560	615	685	54	42	96	TBA	TBA
XSSSFHK630Z	630	642	695	46	42	88	TBA	TBA
XSSSFHK710Z	710	737	804	35	42	77	TBA	TBA
XSSSFHK800Z	800	840	904	30	43	73	TBA	TBA
XSSSFHK900Z	900	944	1000	28	46	74	TBA	TBA
XSSSFHK1000Z	1000	1045	1105	40	50	90	TBA	TBA
XSSSFHK1100Z	1100	1150	1234	40	60	100	TBA	TBA
XSSSFHK1200Z	1200	1240	1330	35	70	105	TBA	TBA



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Flange Adaptor - Short Spigot



The flange adaptors on this page can be used with the following flanges -

Page 94/97 - ANSI 150
Page 95/98 - Table D - AS2129/AS4087
Page 96/99 - Table E - AS2129/AS4087

Available in other SDR ratings upon request.

PE100 | SDR 11 | Water PN 16 | Gas 10 Bar

Code	D (mm)	D1 (mm)	D2 (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XSSSFHK450NA	450	470	545	50	45	140	12.9	1
XSSSFHK500NA	500	520	585	50	60	140	13.27	1
XSSSFHK560NA	560	580	657	50	60	140	20.27	1
XSSSFHK630NA	630	645	710	45	65	140	16.77	1
XSSSFHK710NA	710	735	800	45	65	140	24.37	1
XSSSFHK800NA	800	825	905	28	30	138	TBA	1

PE100 | SDR 17 | Water PN 10 | Gas 6 Bar

Code	D (mm)	D1 (mm)	D2 (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XSSSFHK450VA	450	470	545	50	45	120	7.28	1
XSSSFHK500VA	500	520	585	45	46	120	8.54	1
XSSSFHK560VA	560	580	657	45	50	120	13.71	1
XSSSFHK630VA	630	645	710	45	50	120	10.87	1
XSSSFHK710VA	710	735	800	50	50	130	16.69	1
XSSSFHK800VA	800	825	905	50	60	140	20.12	1



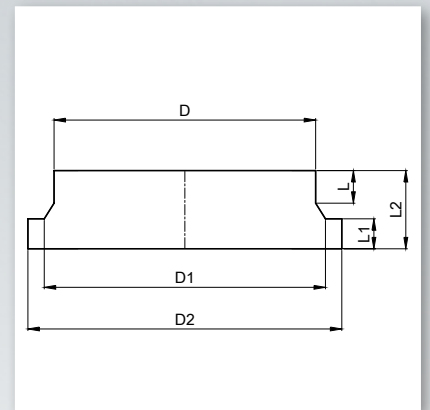
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Flange Adaptor - Chamfered - Short Spigot (suitable for butterfly valve)



PE100 | SDR 11 | Water PN 16 | Gas 10 Bar

Code	D (mm)	D1 (mm)	D2 (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XSSSFHK200NBF	200	230	268	50	32	120	2.15	6
XSSSFHK225NBF	225	238	268	50	32	120	2.09	6
XSSSFHK250NBF	250	288	320	45	35	120	3.18	3
XSSSFHK280NBF	280	294	320	46	35	120	3.07	3
XSSSFHK315NBF	315	338	375	47	35	120	4.14	3
XSSSFHK355NBF	355	376	435	45	45	120	5.53	1
XSSSFHK400NBF	400	430	485	45	50	124	7.62	1
XSSSFHK450NBFE	450(DN500)	517	585	40	65	160	15.32	1
XSSSFHK500NBF	500	530	590	40	60	134	13.27	1
XSSSFHK560NBF	560	618	690	43	80	180	20.27	1
XSSSFHK630NBF	630	645	690	45	65	140	16.77	1
XSSSFHK710NBF	710	740	800	40	75	154	24.37	1



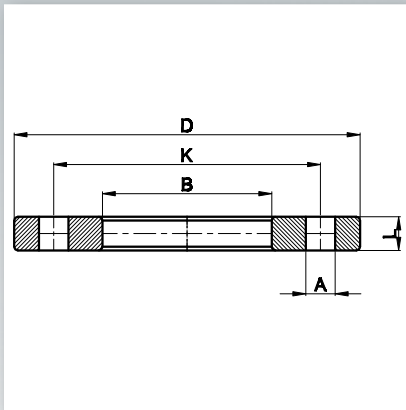
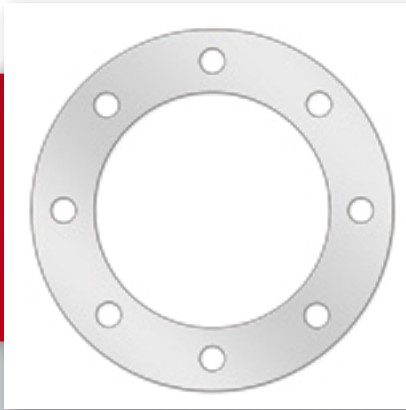
PE100 | SDR 17 | Water PN 10 | Gas 6 Bar

Code	D (mm)	D1 (mm)	D2 (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
XSSSFHK200VBF	200	230	268	57	24	120	1.57	6
XSSSFHK225VBF	225	238	268	61	24	120	1.47	6
XSSSFHK250VBF	250	288	320	55	25	120	2.27	3
XSSSFHK280VBF	280	294	320	56	25	120	2.13	3
XSSSFHK315VBF	315	338	375	57	25	120	2.90	3
XSSSFHK355VBF	355	376	435	60	30	120	4.02	1
XSSSFHK400VBF	400	430	485	52	33	120	5.20	1
XSSSFHK450VBFE	450(DN500)	517	585	40	45	134	9.90	1
XSSSFHK500VBF	500	530	590	45	46	120	8.54	1
XSSSFHK560VBF	560	618	690	36	50	130	13.71	1
XSSSFHK630VBF	630	645	690	45	50	120	10.87	1
XSSSFHK710VBF	710	740	800	40	50	130	16.69	1
XSSSFHK800VBF	800	843	900	45	60	140	20.12	1
XSSSFHK900VBF	900	947	1000	45	60	150	26.27	1
XSSSFHK1000VBF	1000	1050	1112	45	75	165	36.28	1



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Flange - Galvanised Steel



Galvanised | PN16 | EN 1092-1

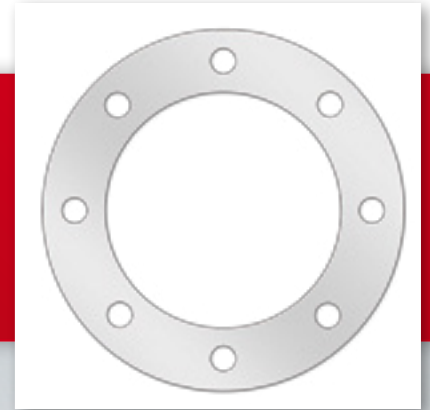
Code	PD (mm)	D (mm)	B (mm)	K (mm)	L (mm)	A (mm)	Bolt diameter	Number of holes	Box Quantity
GBR020X015NP16	20	95	28	65	TBA	14	M12	4	85
GBR025X020NP16	25	105	34	75	TBA	14	M12	4	68
GBR032X025NP16	32	115	42	85	TBA	14	M12	4	52
GBR040X032NP16	40	140	51	100	TBA	18	M16	4	20
GBR050X040NP16	50	150	62	110	TBA	18	M16	4	15
GBR063X050NP16	63	165	78	125	TBA	18	M16	4	15
GBR075X065NP16	75	185	92	145	TBA	18	M16	4	15
GBR090X080NP16	90	200	108	160	TBA	18	M16	8	10
GBR110X100NP16	110	220	128	180	TBA	18	M16	8	10
GBR125X100NP16	125	220	135	180	TBA	18	M16	8	10
GBR140X125NP16	140	250	158	210	TBA	18	M16	8	6
GBR160X150NP16	160	285	178	240	TBA	22	M20	8	6
GBR180X150NP16	180	285	188	240	TBA	22	M20	8	6
GBR200X200NP16	200	340	235	295	TBA	22	M20	12	4
GBR225X200NP16	225	340	238	295	TBA	22	M20	12	4
GBR250X250NP16	250	405	288	355	TBA	26	M24	12	2
GBR280X250NP16	280	405	294	355	TBA	26	M24	12	2
GBR315X300NP16	315	460	338	410	TBA	26	M24	12	2
GBR355X350NP16	355	520	376	470	TBA	26	M24	16	1
GBR400X400NP16	400	580	430	525	TBA	30	M27	16	1
GBR450X450NP16	450	715	517	650	TBA	33	M30	20	1
GBR500X500NP16	500	715	533	650	TBA	33	M30	20	1
GBR560X600NP16	560	840	618	770	TBA	36	M33	20	1
GBR630X600NP16	630	840	645	770	TBA	36	M33	20	1
GBR710X700NP16	710	910	740	840	TBA	36	M33	24	1
GBR800X800NP16	800	1025	843	950	TBA	39	M36	24	1
GBR900X900NP16	900	1125	947	1050	TBA	39	M36	28	1
GBR1000X1000P16	1000	1255	1050	1170	TBA	42	M39	28	1
GBR1100X1100P16	1100	1355	1125	1270	TBA	42	M39	32	1

PD = Pipe Diameter



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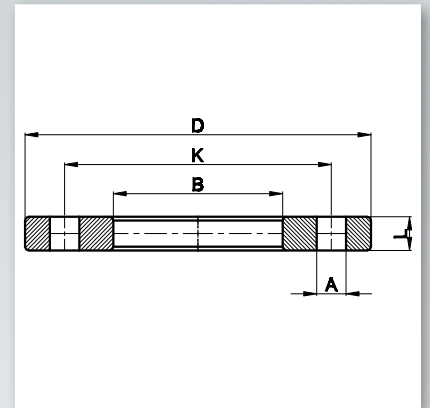
Flange - Galvanised Steel



Galvanised | PN 10 | EN 1092-1

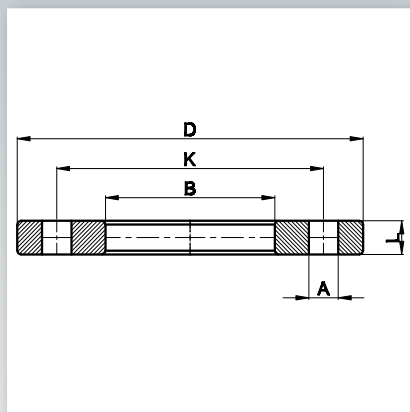
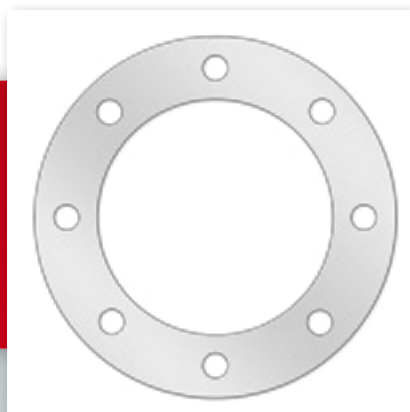
Code	PD (mm)	D (mm)	B (mm)	K (mm)	L (mm)	A (mm)	Bolt diameter	Number of holes	Box Quantity
GBR200X200NP10	200	340	235	295	TBA	22	M20	8	4
GBR225X200NP10	225	340	238	295	TBA	22	M20	8	4
GBR250X250NP10	250	395	288	350	TBA	22	M20	12	4
GBR280X250NP10	280	395	294	350	TBA	22	M20	12	4
GBR315X300NP10	315	445	338	400	TBA	22	M20	12	2
GBR355X350NP10	355	505	376	460	TBA	22	M20	16	1
GBR400X400NP10	400	565	430	515	TBA	26	M24	16	1
GBR450X450NP10	450	670	517	620	TBA	26	M24	20	1
GBR500X500NP10	500	670	533	620	TBA	26	M24	20	1
GBR560X600NP10	560	780	618	725	TBA	30	M27	20	1
GBR630X600NP10	630	780	645	725	TBA	30	M27	20	1
GBR710X700NP10	710	895	740	840	TBA	30	M27	24	1
GBR800X800NP10	800	1015	843	950	TBA	33	M30	24	1
GBR900X900NP10	900	1115	947	1050	TBA	33	M30	28	1
GBR1000X1000P10	1000	1230	1050	1160	TBA	36	M33	28	1
GBR1100X1100P10	1100	1355	1125	1270	TBA	36	M33	32	1
GBR1200X1200P10	1200	1455	1260	1380	TBA	39	M36	32	1

PD = Pipe Diameter



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Flange - Galvanised Steel



Galvanised | ANSI 150

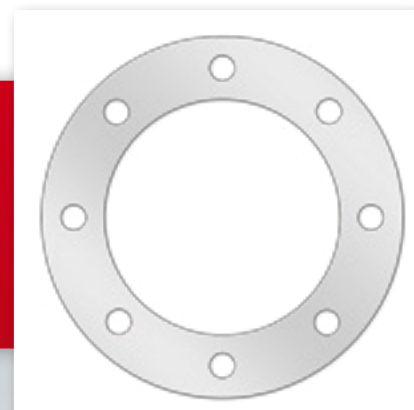
Code	PD (mm)	D (mm)	B (mm)	K (mm)	L (mm)	A (mm)	Bolt diameter	Number of holes	Box Quantity
GBR020X015A150	20	90	32	60.5	6	16	1/2"	4	1
GBR025X020A150	25	98	37	70.0	8	16	1/2"	4	1
GBR032X025A150	32	108	44	79.5	8	16	1/2"	4	1
GBR040X032A150	40	117	52	89.0	8	16	1/2"	4	1
GBR050X040A150	50	127	62	98.5	10	16	1/2"	4	1
GBR063X050A150	63	152	78	120.5	10	20	5/8"	4	1
GBR075X065A150	75	178	92	139.5	10	20	5/8"	4	1
GBR090X080A150	90	191	108	152.0	12	20	5/8"	4	1
GBR110X100A150	110	229	128	190.5	12	20	5/8"	8	1
GBR125X100A150	125	254	140	216.0	16	23	3/4"	8	1
GBR140X125A150	140	254	158	216.0	16	23	3/4"	8	1
GBR160X150A150	160	279	178	241.0	16	23	3/4"	8	1
GBR180X150A150	180	279	195	241.0	16	23	3/4"	8	1
GBR200X200A150	200	343	235	298.5	20	23	3/4"	8	1
GBR225X200A150	225	343	240	298.5	20	23	3/4"	8	1
GBR250X250A150	250	406	290	362.0	20	26	7/8"	12	1
GBR280X250A150	280	406	300	362.0	20	26	7/8"	12	1
GBR315X300A150	315	483	345	432.0	25	26	7/8"	12	1
GBR355X350A150	355	535	376	476.0	28	29	1"	12	1
GBR400X400A150	400	600	430	540.0	32	29	1"	16	1
GBR450X450A150	450	635	480	578.0	36	32	1.1/8"	16	1
GBR500X500A150	500	700	533	635.0	40	32	1.1/8"	20	1
GBR560X600A150	560	750	590	692.0	46	35	1.1/4"	20	1
GBR630X600A150	630	813	660	749.0	50	35	1.1/4"	20	1
GBR710X700A150	710	927	745	863.5	71	35	1.1/4"	28	1
GBR800X800A150	800	1060	835	978.0	81	41	1.1/2"	28	1
GBR1000X1000A150	1000	1290	1030	1124.0	90	41	1.1/2"	36	1
GBR1200X1200A150	1200	1510	1235	1422.5	108	41	1.1/2"	44	1

PD = Pipe Diameter



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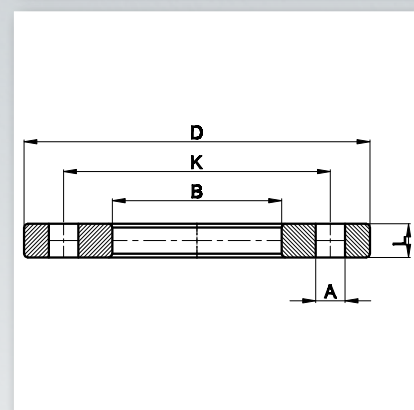
Flange - Galvanised Steel



Galvanised | Table D | PN10 | AS2129/AS4087

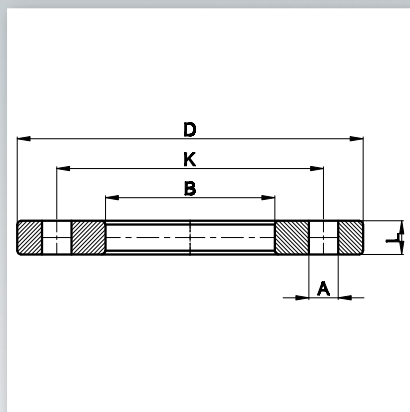
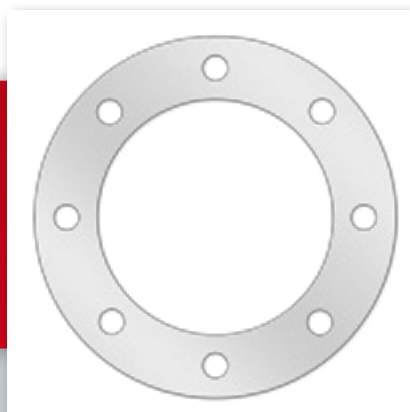
Code	PD (mm)	D (mm)	B (mm)	K (mm)	L (mm)	A (mm)	Bolt diameter	Number of holes	Box Quantity
GBR020X015D	20	95	32	67	6	14	12	4	1
GBR025X020D	25	100	37	73	6	14	12	4	1
GBR032X025D	32	115	44	83	6	14	12	4	1
GBR040X032D	40	120	52	87	6	14	12	4	1
GBR050X040D	50	135	62	98	8	14	12	4	1
GBR063X050D	63	150	78	114	8	18	16	4	1
GBR075X065D	75	165	92	127	8	18	16	4	1
GBR090X080D	90	185	108	146	10	18	16	4	1
GBR110X100D	110	215	128	178	10	18	16	4	1
GBR125X100D	125	255	140	210	13	18	16	8	1
GBR140X125D	140	255	158	210	13	18	16	8	1
GBR160X150D	160	280	178	235	13	18	16	8	1
GBR180X150D	180	280	195	235	13	18	16	8	1
GBR200X200D	200	335	235	292	13	18	16	8	1
GBR225X200D	225	335	240	292	13	18	16	8	1
GBR250X250D	250	405	290	356	16	22	20	8	1
GBR280X250D	280	405	300	356	16	22	20	8	1
GBR315X300D	315	455	345	406	19	22	20	12	1
GBR355X350D	355	525	376	470	22	26	24	12	1
GBR400X400D	400	580	430	521	22	26	24	12	1
GBR450X450D	450	640	480	584	25	26	24	12	1
GBR500X500D	500	705	533	641	29	26	24	16	1
GBR560X600D	560	760	590	699	32	30	27	16	1
GBR630X600D	630	825	660	756	32	30	27	16	1
GBR710X700D	710	910	745	845	35	30	27	20	1
GBR800X800D	800	1060	835	984	41	36	33	20	1
GBR900X900D	900	1175	950	1092	48	36	33	24	1
GBR1000X1000D	1000	1255	1035	1175	51	36	33	24	1
GBR1200X1200D	1200	1490	1240	1410	60	36	33	32	1

PD = Pipe Diameter



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Flange - Galvanised Steel



Galvanised | Table E | PN16 | AS2129/AS4087

Code	PD (mm)	D (mm)	B (mm)	K (mm)	L (mm)	A (mm)	Bolt diameter	Number of holes	Box Quantity
GBR020X015E	20	95	32	67	6	14	12	4	1
GBR025X020E	25	100	37	73	6	14	12	4	1
GBR032X025E	32	115	44	83	7	14	12	4	1
GBR040X032E	40	120	52	87	8	14	12	4	1
GBR050X040E	50	135	62	98	9	14	12	4	1
GBR063X050E	63	150	78	114	10	18	16	4	1
GBR075X065E	75	165	92	127	10	18	16	4	1
GBR090X080E	90	185	108	146	12	18	16	4	1
GBR110X100E	110	215	128	178	13	18	16	8	1
GBR125X100E	125	255	140	210	14	18	16	8	1
GBR140X125E	140	255	158	210	14	18	16	8	1
GBR160X150E	160	280	178	235	17	22	20	8	1
GBR180X150E	180	280	195	235	17	22	20	8	1
GBR200X200E	200	335	235	292	19	22	20	8	1
GBR225X200E	225	335	240	292	19	22	20	8	1
GBR250X250E	250	405	290	356	22	22	20	12	1
GBR280X250E	280	405	300	356	22	22	20	12	1
GBR315X300E	315	455	345	406	25	26	24	12	1
GBR355X350E	355	525	376	470	29	26	24	12	1
GBR400X400E	400	580	430	521	32	26	24	12	1
GBR450X450E	450	640	480	584	35	26	24	16	1
GBR500X500E	500	705	533	641	38	26	24	16	1
GBR560X600E	560	760	620	699	44	30	27	16	1
GBR630X600E	630	825	650	756	48	33	30	16	1
GBR710X700E	710	910	745	845	51	33	30	20	1
GBR800X800E	800	1060	835	984	54	36	33	20	1
GBR1000X1000E	1000	1255	1035	1175	67	39	36	24	1
GBR1200X1200E	1200	1490	1240	1410	79	39	36	32	1

PD = Pipe Diameter



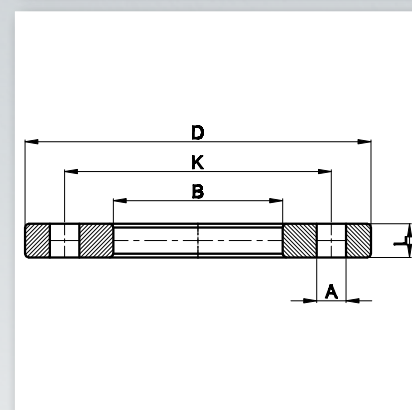
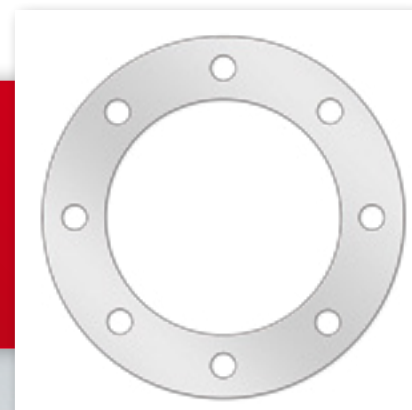
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Flange - Stainless Steel

Stainless | ANSI 150

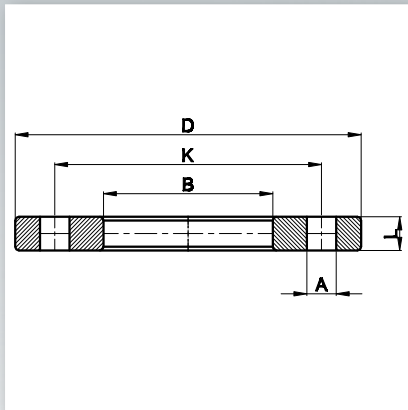
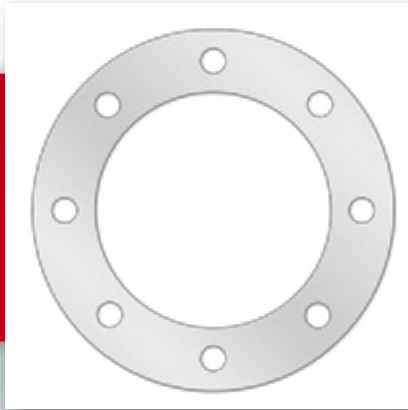
Code	PD (mm)	D (mm)	B (mm)	K (mm)	L (mm)	A (mm)	Bolt diameter	Number of holes	Box Quantity
SBR020X015A150	20	90	32	60.5	6	16	1/2"	4	1
SBR025X020A150	25	98	37	70.0	8	16	1/2"	4	1
SBR032X025A150	32	108	44	79.5	8	16	1/2"	4	1
SBR040X032A150	40	117	52	89.0	8	16	1/2"	4	1
SBR050X040A150	50	127	62	98.5	10	16	1/2"	4	1
SBR063X050A150	63	152	78	120.5	10	20	5/8"	4	1
SBR075X065A150	75	178	92	139.5	10	20	5/8"	4	1
SBR090X080A150	90	191	108	152.0	12	20	5/8"	4	1
SBR110X100A150	110	229	128	190.5	12	20	5/8"	8	1
SBR125X100A150	125	254	140	216.0	16	23	3/4"	8	1
SBR140X125A150	140	254	158	216.0	16	23	3/4"	8	1
SBR160X150A150	160	279	178	241.0	16	23	3/4"	8	1
SBR180X150A150	180	279	195	241.0	16	23	3/4"	8	1
SBR200X200A150	200	343	235	298.5	20	23	3/4"	8	1
SBR225X200A150	225	343	240	298.5	20	23	3/4"	8	1
SBR250X250A150	250	406	290	362.0	20	26	7/8"	12	1
SBR280X250A150	280	406	300	362.0	20	26	7/8"	12	1
SBR315X300A150	315	483	345	432.0	25	26	7/8"	12	1
SBR355X350A150	355	535	376	476.0	28	29	1"	12	1
SBR400X400A150	400	600	430	540.0	32	29	1"	16	1
SBR450X450A150	450	635	480	578.0	36	32	1.1/8"	16	1
SBR500X500A150	500	700	533	635.0	40	32	1.1/8"	20	1
SBR560X600A150	560	750	590	692.0	46	35	1.1/4"	20	1
SBR630X600A150	630	813	660	749.0	50	35	1.1/4"	20	1
SBR710X700A150	710	927	745	863.5	71	35	1.1/4"	28	1
SBR800X800A150	800	1060	835	978.0	81	41	1.1/2"	28	1
SBR1000X1000A150	1000	1290	1030	1124.0	90	41	1.1/2"	36	1
SBR1200X1200A150	1200	1510	1235	1422.5	108	41	1.1/2"	44	1

PD = Pipe Diameter



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Flange - Stainless Steel



Stainless | Table D | PN10 | AS2129/AS4087

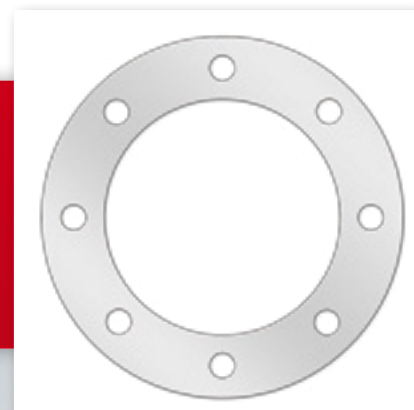
Code	PD (mm)	D (mm)	B (mm)	K (mm)	L (mm)	A (mm)	Bolt diameter	Number of holes	Box Quantity
SBR020X015D	20	95	32	67	6	14	12	4	1
SBR025X020D	25	100	37	73	6	14	12	4	1
SBR032X025D	32	115	44	83	6	14	12	4	1
SBR040X032D	40	120	52	87	6	14	12	4	1
SBR050X040D	50	135	62	98	8	14	12	4	1
SBR063X050D	63	150	78	114	8	18	16	4	1
SBR075X065D	75	165	92	127	8	18	16	4	1
SBR090X080D	90	185	108	146	10	18	16	4	1
SBR110X100D	110	215	128	178	10	18	16	4	1
SBR125X100D	125	255	140	210	13	18	16	8	1
SBR140X125D	140	255	158	210	13	18	16	8	1
SBR160X150D	160	280	178	235	13	18	16	8	1
SBR180X150D	180	280	195	235	13	18	16	8	1
SBR200X200D	200	335	235	292	13	18	16	8	1
SBR225X200D	225	335	240	292	13	18	16	8	1
SBR250X250D	250	405	290	356	16	22	20	8	1
SBR280X250D	280	405	300	356	16	22	20	8	1
SBR315X300D	315	455	345	406	16	22	20	12	1
SBR355X350D	355	525	376	470	22	26	24	12	1
SBR400X400D	400	580	430	521	22	26	24	12	1
SBR450X450D	450	640	480	584	25	26	24	12	1
SBR500X500D	500	705	533	641	29	26	24	16	1
SBR560X600D	560	760	590	699	32	30	27	16	1
SBR630X600D	630	825	660	756	32	30	27	16	1
SBR710X700D	710	910	745	845	35	30	27	20	1
SBR800X800D	800	1060	835	984	41	36	33	20	1
SBR900X900D	900	1175	950	1092	48	36	33	24	1
SBR1000X1000D	1000	1255	1035	1175	51	36	33	24	1
SBR1200X1200D	1200	1490	1240	1410	60	36	33	32	1

PD = Pipe Diameter



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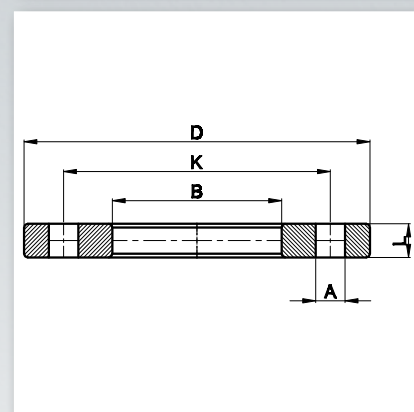
Flange - Stainless Steel



Stainless | Table E | PN16 | AS2129/AS4087

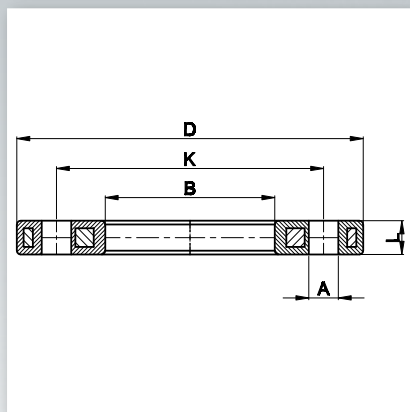
Code	PD (mm)	D (mm)	B (mm)	K (mm)	L (mm)	A (mm)	Bolt diameter	Number of holes	Box Quantity
SBR020X015E	20	95	32	67	6	14	12	4	1
SBR025X020E	25	100	37	73	6	14	12	4	1
SBR032X025E	32	115	44	83	7	14	12	4	1
SBR040X032E	40	120	52	87	8	14	12	4	1
SBR050X040E	50	135	62	98	9	14	12	4	1
SBR063X050E	63	150	78	114	10	18	16	4	1
SBR075X065E	75	165	92	127	10	18	16	4	1
SBR090X080E	90	185	108	146	12	18	16	4	1
SBR110X100E	110	215	128	178	13	18	16	8	1
SBR125X100E	125	255	140	210	14	18	16	8	1
SBR140X125E	140	255	158	210	14	18	16	8	1
SBR160X150E	160	280	178	235	17	22	20	8	1
SBR180X150E	180	280	195	235	17	22	20	8	1
SBR200X200E	200	335	235	292	19	22	20	8	1
SBR225X200E	225	335	240	292	19	22	20	8	1
SBR250X250E	250	405	290	356	22	22	20	12	1
SBR280X250E	280	405	300	356	22	22	20	12	1
SBR315X300E	315	455	345	406	25	26	24	12	1
SBR355X350E	355	525	376	470	29	26	24	12	1
SBR400X400E	400	580	430	521	32	26	24	12	1
SBR450X450E	450	640	480	584	35	26	24	16	1
SBR500X500E	500	705	533	641	38	26	24	16	1
SBR560X600E	560	760	590	699	44	30	27	16	1
SBR630X600E	630	825	660	756	48	33	30	16	1
SBR710X700E	710	910	745	845	51	33	30	20	1
SBR800X800E	800	1060	835	984	54	36	33	20	1
SBR1000X1000E	1000	1255	1035	1175	67	39	36	24	1
SBR1200X1200E	1200	1490	1240	1410	79	39	36	32	1

PD = Pipe Diameter



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Flange - Polypropylene with Steel Core



PP | ST37 | PN 16

Code	PD (mm)	D (mm)	B (mm)	K (mm)	L (mm)	A (mm)	Bolt diameter	Number of holes	Weight (kg)	Box Quantity
PBR020X015NP16	20	95	28	65	12	14	M12	4	0.24	85
PBR025X020NP16	25	105	34	75	12	14	M12	4	0.29	68
PBR032X025NP16	32	115	42	85	16	14	M12	4	0.51	52
PBR040X032NP16	40	140	51	100	16	18	M16	4	0.82	20
PBR050X040NP16	50	150	62	110	18	18	M16	4	0.96	15
PBR063X050NP16	63	165	78	125	18	18	M16	4	1.10	15
PBR075X065NP16	75	188	92	145	18	18	M16	4	1.39	15
PBR090X080NP16	90	204	108	160	20	18	M16	8	1.62	10
PBR110X100NP16	110	224	128	180	20	18	M16	8	2.04	10
PBR125X100NP16	125	224	135	180	20	18	M16	8	1.88	10
PBR140X125NP16	140	252	158	210	24	18	M16	8	2.92	6
PBR160X150NP16	160	285	178	240	24	22	M20	8	3.74	6
PBR180X150NP16	180	285	188	240	24	22	M20	8	3.39	6
PBR200X200NP16	200	340	235	295	27	22	M20	12	5.20	4
PBR225X200NP16	225	340	238	295	27	22	M20	12	5.05	4
PBR250X250NP16	250	419	288	355	32	26	M24	12	10.05	2
PBR280X250NP16	280	419	294	355	32	26	M24	12	9.65	2
PBR315X300NP16	315	478	338	410	34	26	M24	12	13.40	2
PBR355X350NP16	355	532	376	470	42	26	M24	16	22.76	1
PBR400X400NP16	400	592	430	525	46	30	M27	16	26.93	1

PD = Pipe Diameter

PP | ST37 | PN 10

Code	PD (mm)	D (mm)	B (mm)	K (mm)	L (mm)	A (mm)	Bolt diameter	Number of holes	Weight (kg)	Box Quantity
PBR200X200NP10	200	340	235	295	27	22	M20	8	5.42	4
PBR225X200NP10	225	340	238	295	27	22	M20	8	5.40	4
PBR250X250NP10	250	395	288	350	30	22	M20	12	7.48	4
PBR280X250NP10	280	395	294	350	30	22	M20	12	7.11	4
PBR315X300NP10	315	445	338	400	34	22	M20	12	9.28	2
PBR355X350NP10	355	514	376	460	40	22	M20	16	19.06	1
PBR400X400NP10	400	571	430	515	40	26	M24	16	21.70	1
PBR450X450NP10	450	678	517	620	45	26	M24	20	35.03	1
PBR500X500NP10	500	688	533	620	45	26	M24	20	33.83	1
PBR560X600NP10	560	799	618	725	50	30	M27	20	48.59	1
PBR630X600NP10	630	799	645	725	30	30	M27	20	40.99	1

PD = Pipe Diameter



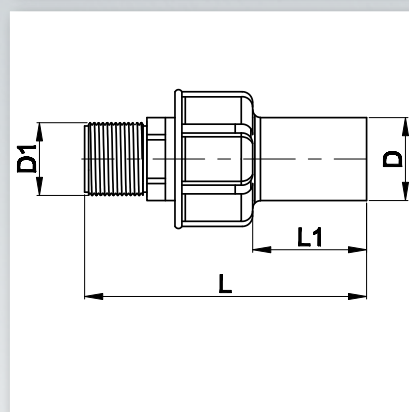
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Transition Fitting Male/Female - PE to Brass (chrome coated)

PE100 | SDR 11 | Water PN 16 | Gas 10 Bar | Male

Code	D1xD (mm)	L (mm)	L1 (mm)	Weight (kg)	Box Quantity
AX6746	¾"X25mm	99	40	0.25	50
AX6748	1"X32mm	110	44	0.45	30
AX6766	1¼"X40mm	121	49	0.40	15
AX6762	1½"X50mm	134	54	0.40	10
AX6752	2"X63mm	150	63	0.50	6

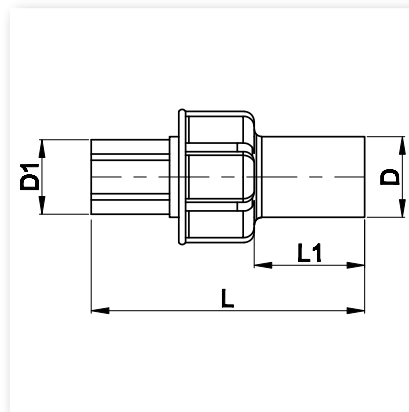
Product also available with steel outlet



PE100 | SDR 11 | Water PN 16 | Gas 10 Bar | Female

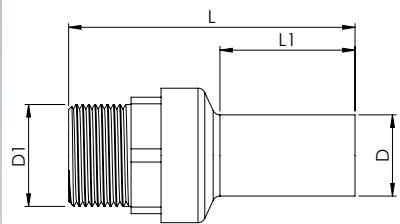
Code	D1xD (mm)	L (mm)	L1 (mm)	Weight (kg)	Box Quantity
AX6747	¾"X25mm	91	40	0.25	50
AX6749	1"X32mm	100	44	0.45	30
AX6767	1¼"X40mm	109	49	0.40	15
AX6763	1½"X50mm	124	54	0.40	10
AX6753	2"X63mm	141	63	0.50	6

Product also available with steel outlet



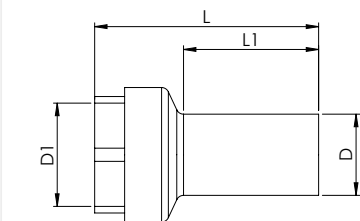
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Transition Fitting Male/Female - PE to Brass



PE100 | SDR 11 | Water PN 16 | Male

Code	D1xD (mm)	L (mm)	L1 (mm)	Weight (kg)	Box Quantity
MTTHK0.50X020N	½"X20mm	84	41	0.08	100
MTTHK0.75X020N	¾"X20mm	85	41	0.09	75
MTTHK0.75X025N	¾"X25mm	90	41	0.10	75
MTTHK1.00X032N	1"X32mm	103	44	0.22	50
MTTHK1.25X040N	1¼"X40mm	122	49	0.51	25
MTTHK1.50X050N	1½"X50mm	122	55	0.51	25
MTTHK2.00X063N	2"X63mm	140	63	0.69	10
MTTHK2.50X075N	2½"X75mm	146	70	0.98	9
MTTHK3.00X090N	3"X90mm	168	79	1.43	5
MTTHK4.00X110N	4"X110mm	179	82	2.16	2
MTTHK4.00X125N	4"X125mm	186	87	2.30	2



PE100 | SDR 11 | Water PN 16 | Female

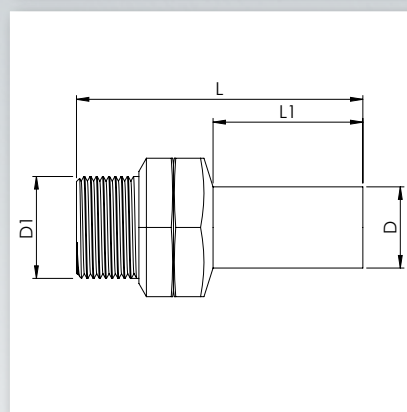
Code	D1xD (mm)	L (mm)	L1 (mm)	Weight (kg)	Box Quantity
FTTHK0.50X020N	½"X20mm	70	41	0.22	50
FTTHK0.75X020N	¾"X20mm	72	41	0.25	50
FTTHK0.75X025N	¾"X25mm	72	41	0.25	50
FTTHK1.00X032N	1"X32mm	84	44	0.45	30
FTTHK1.25X040N	1¼"X40mm	98	49	0.40	15
FTTHK1.50X050N	1½"X50mm	101	55	0.40	10
FTTHK2.00X063N	2"X63mm	115	63	0.50	6
FTTHK2.50X075N	2½"X75mm	129	70	0.80	15
FTTHK3.00X090N	3"X90mm	144	79	1.00	10
FTTHK4.00X110N	4"X110mm	147	82	1.60	2
FTTHK4.00X125N	4"X125mm	153	87	2.00	2

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Transition Fitting Male/Female - PE to PE

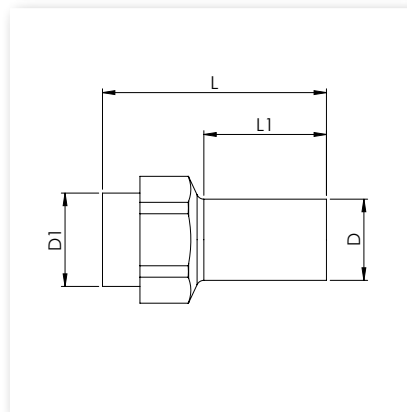
PE100 | SDR 11 | Water PN 16 | Male

Code	D1xD (mm)	L (mm)	L1 (mm)	Weight (kg)	Box Quantity
MTTPE0.50X020N	½"X20mm	34	65	0.02	100
MTTPE0.75X025N	¾"X25mm	33	65	0.02	100
MTTPE1.00X032N	1"X32mm	38	73	0.04	90
MTTPE1.25X040N	1"X40mm	44	80	0.06	100
MTTPE1.25X040N	1¼"X40mm	44	83	0.07	100
MTTPE1.50X050N	1½"X50mm	48	87	0.09	100
MTTPE1.50X063N	1½"X63mm	62	101	0.16	60
MTTPE2.00X063N	2"X63mm	62	106	0.17	60



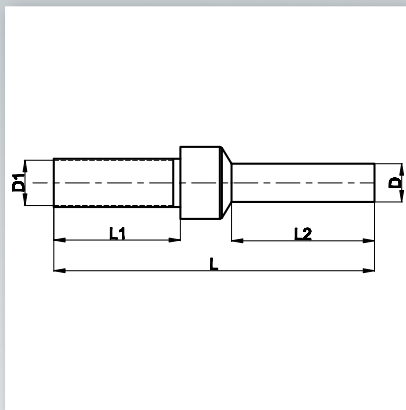
PE100 | SDR 11 | Water PN 16 | Female

Code	D1xD (mm)	L (mm)	L1 (mm)	Weight (kg)	Box Quantity
FTTPE0.50X020N	½"X20mm	34	59	0.02	100
FTTPE0.75X025N	¾"X25mm	34	61	0.02	100
FTTPE1.00X032N	1"X32mm	37	68	0.05	90
FTTPE1.25X040N	1"X40mm	41	72	0.07	100
FTTPE1.25X040N	1¼"X40mm	42	79	0.07	100
FTTPE1.50X050N	1½"X50mm	49	86	0.11	100
FTTPE1.50X063N	1½"X63mm	49	86	0.18	60
FTTPE2.00X063N	2"X63mm	48	90	0.16	60



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Transition Fitting - PE to Steel



PE100 | SDR 11 | Water PN 16 | Gas 10 Bar

Code	DxD1 (mm)	L (mm)	L1 (mm)	L2 (mm)	Weight (kg)	Box Quantity
STHK25X20N	25x20	381	194	126	0.62	10
STHK32X25N	32x25	390	194	135	0.88	10
STHK40X32N	40x32	407	193	151	1.15	4
STHK50X40N	50x40	426	190	169	1.38	4
STHK63X50N	63x50	448	190	190	1.80	4
STHK75X65N	75x65	545	310	130	2.68	1
STHK90X80N	90x80	560	310	150	3.50	1
STHK110X100N	110x100	580	310	160	6.35	1
STHK125X100N	125x100	580	310	160	6.50	1
STHK140X125N	140x125	580	310	160	7.20	1
STHK160X150N	160x150	600	310	160	10.50	1
STHK180X150N	180x150	600	310	160	10.70	1
STHK200X200N	200x200	620	310	150	16.50	1
STHK225X200N	225x200	600	310	130	18.50	1
STHK250X250N	250x250	630	310	140	24.10	1



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Technical Specifications

The following is a brief overview of technical information and accreditations relating to Fusamatic spigots.

Should you require further technical guidance please contact the Fusion Group technical team on +44 (0)1246 268666.



Which polymers are used in the manufacture of Fusamatic spigots?

All Fusamatic spigots are manufactured from PE100 virgin polyethylene polymer supplied by recognised international market leaders such as Borealis and Ineos. All materials comply with the requirements of relevant standards including EN 12201 for drainage, sewerage and potable water, and EN 1555 for gas. The recommended temperature range for Fusamatic spigots is -10°C to +40°C.

What testing is undertaken to assure the quality of Fusamatic spigots?

Fusamatic spigots are subjected to continuous testing and control from the start to the end of the production process. Testing is in accordance with the requisite British, European and Australian standards. Further testing is undertaken to ensure product acceptance on a global basis. Please contact Fusion for further information if required.

- Melt Flow Rate (MFR) test – in accordance with the methodology specified in EN ISO 1130.
- Oxidation Induction Time (OIT) test – in accordance with the methodology specified in ISO 11357-6.
- Resistance to internal pressure at constant temperature in accordance with the methodology specified in EN 1167.
 - Test temperature 20 °C - 100 h
 - Test temperature 80 °C - 165 h
 - Test temperature 80 °C - 1000 h
- Verification of mechanical welding characteristics: yield stress, tear decohesion, crushing decohesion. Testing methods in accordance with the methodology specified in ISO 13953.

What certification and accreditation do Fusamatic spigots have?

Manufacturing

Fusamatic spigots comply with the requirements of:

- EN 12201-3 Plastics piping systems for water supply, and for drainage and sewerage under pressure. Polyethylene (PE) Fittings.
- EN 1555 - 3 Plastics piping systems for the supply of gaseous fuels. Polyethylene (PE) Fittings.

International performance standards and regulations

Fusamatic spigots have the following international accreditations:

- EN1555-3
- EN12201-3
- AS/NZS 4129 and ISO Type 5
- WRAS (UK)

Applications

Fusamatic spigots are an integral part of polyethylene pipe systems around the world.

They have been used in applications as diverse as:

- Potable water mains, service pipes and house connections
- Gas transmission, distribution and house connections
- Wastewater systems including sewers
- Water and wastewater treatment plants
- Rain water and grey water collection
- Syphonic roof drainage
- Trenchless pipeline techniques including directional drilling
- Pumped slurry systems in mines and quarries
- Ducting for electrical, telecommunications and fibre optic cabling including subsea
- Open water and marine fish cages
- Industrial applications including process pipework and compressed air networks
- Agricultural irrigation
-and many more

Fabricated Fittings

Fusion Group has extensive machining and fabrication facilities at its principal manufacturing site in Chesterfield.

We are market leaders in the manufacture and supply of fabricated fittings and bespoke fabrications used in a diverse range of applications including gas, water, landfill and ground source heating.

If you have a requirement for fabrications please contact our specialist team on +44 (0)1246 268666

Fabrications



Bends



Landfill



Geothermal

Bespoke



Butt Fusion



Planing



Drilling



Routing



Cutting



Machining



Forming



Creasing



Slotting



Welding

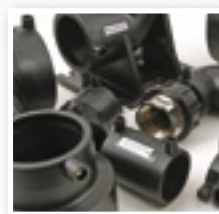


Moulding



Threading

Fittings



Electrofusion



Spigot



Compression

Pipe Specification Data Table

External Diameter (E/D)	SDR41 PN 4		SDR33 PN 5		SDR26 PN 6		SDR17 PN 10		SDR11 PN 16		SDR7.4 PN 25	
	Internal Diameter (I/D)	Wall Thickness (W/T)	Internal Diameter (I/D)	Wall Thickness (W/T)	Internal Diameter (I/D)	Wall Thickness (W/T)	Internal Diameter (I/D)	Wall Thickness (W/T)	Internal Diameter (I/D)	Wall Thickness (W/T)	Internal Diameter (I/D)	Wall Thickness (W/T)
20	-	-	-	-	-	-	16.80	1.6	16.00	2.0	14.00	3.0
25	-	-	-	-	-	-	21.80	1.6	20.40	2.3	18.00	3.5
32	-	-	-	-	-	-	28.00	2.0	26.00	3.0	23.20	4.4
40	-	-	-	-	-	-	35.29	2.4	32.73	3.7	29.19	5.5
50	-	-	-	-	46.00	2.0	44.12	3.0	40.91	4.6	36.49	6.9
63	-	-	59.00	2.0	58.00	2.5	55.59	3.8	51.55	5.8	45.97	8.6
75	71.00	2.0	70.20	2.4	69.20	2.9	66.18	4.5	61.36	6.9	54.73	10.3
90	85.61	2.2	84.55	2.8	83.08	3.5	79.41	5.4	73.64	8.2	65.68	12.3
110	104.63	2.7	103.33	3.5	101.53	4.2	97.06	6.6	90.00	10.0	80.27	15.1
125	118.90	3.1	117.42	3.9	115.39	4.8	110.29	7.4	102.27	11.4	91.22	17.1
140	133.17	3.5	131.52	4.4	129.23	5.4	123.53	8.3	114.55	12.8	102.16	19.2
160	152.20	4.0	150.30	5.0	147.69	6.2	141.18	9.5	130.91	14.6	116.76	21.9
180	171.22	4.4	169.09	5.6	166.15	6.9	158.82	10.7	147.27	16.4	131.35	24.6
200	190.24	4.9	187.88	6.2	184.62	7.7	176.47	11.9	163.64	18.2	145.95	27.4
225	214.02	5.5	211.36	7.0	207.69	8.6	198.53	13.4	184.09	20.5	164.19	30.8
250	237.81	6.2	234.85	7.8	230.77	9.6	220.59	14.8	204.55	22.8	182.43	34.2
280	266.34	6.9	263.03	8.7	258.46	10.7	247.06	16.6	229.09	25.5	204.32	38.3
315	299.63	7.7	295.91	9.88	290.77	12.1	277.94	18.7	257.73	28.7	229.87	43.1
355	337.68	8.7	333.49	11.1	327.69	13.6	313.24	21.1	290.46	32.3	259.05	48.5
400	380.49	9.8	375.76	12.4	369.23	15.3	352.94	23.7	327.27	36.4	291.89	54.7
450	428.05	11.0	422.73	14.0	415.39	17.2	397.06	26.7	368.18	41.0	328.78	61.5
500	475.61	12.3	469.70	15.5	461.54	19.1	441.18	29.7	409.09	45.5	-	-
560	532.68	13.7	526.06	17.4	516.92	21.4	494.12	33.2	458.18	51.0	-	-
630	599.27	15.4	591.82	19.6	581.54	24.1	555.88	37.4	515.46	57.3	-	-
710	675.37	17.4	666.97	22.1	655.39	27.2	626.47	42.1	580.91	64.5	-	-
800	760.98	19.6	751.52	24.9	738.46	30.6	705.88	47.4	654.55	72.6	-	-
900	856.10	22.0	845.46	28.0	830.77	34.4	794.12	53.3	736.36	81.7	-	-
1000	951.22	24.5	939.39	31.0	923.08	38.2	882.35	59.3	818.18	90.8	-	-
1100	1046.34	27.0	1033.33	34.2	1015.38	42.1	970.59	65.2	-	-	-	-
1200	1141.46	29.4	1127.27	37.2	1107.69	45.9	1058.82	71.1	-	-	-	-

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