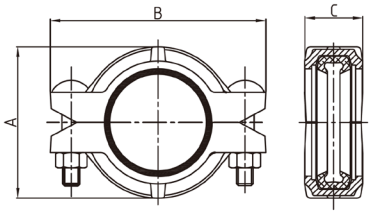
KAPLİNLER VE BAĞLANTI PARÇALARI

COUPLINGS AND FITTINGS

unival

Yüksek Basınçlı Esnek Kaplin
Heavy-duty Flexible Coupling

c UL us LISTED FM APPROVED



Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Taşıyabileceği Maksimum Yük Max. End Load kN/Lbs	Boru Ucu Ayırma Pipe End Separation mm/in	Ölçüler/Dimensions			Civata Ölçüsü Bolt Size	Sertifika Certificate
					A mm/in	B mm/in	C mm/in	No.-Size mm/in	
50 2	60.3 2.375	750 5.17	14.8/3320	0-3.2 0-0.13	90 3.54	134 5.28	45 1.77	2-1/2X75 2-M12X76	UL FM
65 2½	73.0 2.875	750 5.17	21.6/4860	0-3.2 0-0.13	100 3.94	150 5.91	45 1.77	2-1/2X75 2-M12X76	UL FM
65 2½	76.1 3.000	750 5.17	23.5/5280	0-3.2 0-0.13	102 4.02	154 6.06	45 1.77	2-1/2X75 2-M12X76	UL FM
80 3	88.9 3.500	750 5.17	32.1/7210	0-3.2 0-0.13	121 4.76	172 6.78	45 1.77	2-1/2X75 2-M12X76	UL FM
100 4	114.3 4.500	750 5.17	53.0/11900	0-3.2 0-0.13	151 5.95	214 8.43	50 1.97	2-5/8X85 2-M16X85	UL FM
125 5	139.7 5.500	750 5.17	79.2/17810	0-3.2 0-0.13	178 7.01	247 9.61	52 2.05	2-3/4X115 2-M20X115	UL
125 5	141.3 5.563	750 5.17	81.0/18200	0-3.2 0-0.13	180 7.09	248 9.76	51 2.00	2-3/4X115 2-M20X115	UL FM
150 6	165.1 6.500	750 5.17	110.6/24800	0-3.2 0-0.13	205 8.07	278 10.95	51 2.00	2-3/4X115 2-M20X115	UL FM
150 6	168.3 6.625	750 5.17	115.0/25800	0-3.2 0-0.13	208 8.20	284 11.18	51 2.00	2-3/4X115 2-M20X115	UL FM
200 8	219.1 8.625	750 5.17	194.8/43800	0-3.2 0-0.13	268 10.56	354 13.94	61 2.40	2-7/8X140 2-M22X140	UL FM
300 12	323.9 12.750	500 3.45	284.1/63868	0-3.2 0-0.13	385.2 15.165	477 18.780	66 2.598	2-7/8X140 2-M22X140	UL

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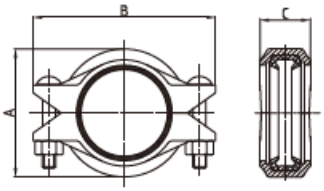
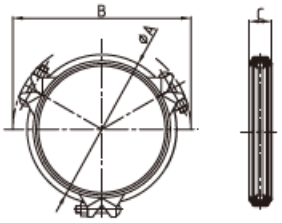
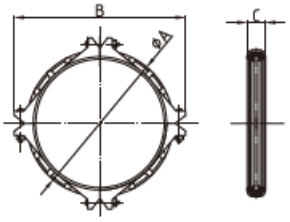
Standart
Esnek Kaplin
Standard
Flexible Coupling

c UL us LISTED FM APPROVED







Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Taşıyabileceği Maksimum Yük Max. End Load kN/Lbs	Boru Ucu Ayırma Pipe End Separation mm/in	Ölçüler/Dimensions			Civata Ölçüsü Bolt Size	Sertifika Certificate
					A mm/in	B mm/in	C mm/in	No.-Size mm/in	
25 1	33.7 1.327	500 3.45	3.0/680	0-1.6 0-0.06	55 2.16	92 3.62	42 1.65	2-3/8×55 2-M10×57	UL FM
32 1¼	42.4 1.669	500 3.45	4.8/1080	0-1.6 0-0.06	65 2.56	104 4.14	44 1.74	2-3/8×55 2-M10×57	UL FM
40 1½	48.3 1.900	500 3.45	6.3/1420	0-3.2 0-0.13	70 2.75	110 4.33	44 1.74	2-3/8×55 2-M10×57	UL FM
50 2	60.3 2.375	500 3.45	9.8/2210	0-3.2 0-0.13	83 3.27	125 4.92	44 1.74	2-3/8×55 2-M10×57	UL FM
65 2½	73.0 2.875	500 3.45	14.4/3240	0-3.2 0-0.13	96 3.78	143 5.63	45 1.78	2-3/8×55 2-M10×57	UL FM
65 2½	76.1 3.000	500 3.45	15.7/3520	0-3.2 0-0.13	100 3.94	145 5.71	45 1.78	2-3/8×55 2-M10×57	UL FM
80 3	88.9 3.500	500 3.45	21.4/4810	0-3.2 0-0.13	115 4.53	160 6.30	45 1.78	2-1/2×70 2-M12×70	UL FM
100 4	108.0 4.250	500 3.45	31.5/7100	0-3.2 0-0.13	138 5.43	190 7.48	50 1.97	2-1/2×70 2-M12×70	UL FM
100 4	114.3 4.500	500 3.45	35.4/7960	0-3.2 0-0.13	145 5.71	198 7.80	50 1.97	2-1/2×70 2-M12×70	UL FM
125 5	133 5.250	300 2.07	28.7/6460	0-3.2 0-0.13	162 6.38	225 8.86	51.0 2.01	2-5/8×80 2-M16×85	UL FM
125 5	139.7 5.500	500 3.45	52.9/11800	0-3.2 0-0.13	169 6.65	230 9.06	52 2.05	2-5/8×80 2-M16×85	UL FM
125 5	141.3 5.563	500 3.45	54.1/12100	0-3.2 0-0.13	170 6.69	232 9.13	51 2.01	2-5/8×80 2-M16×85	UL FM
150 6	159.0 6.250	300 2.07	41.0/9240	0-3.2 0-0.13	190 7.48	256 10.08	52 2.05	2-5/8×85 2-M16×85	UL FM
150 6	165.1 6.500	500 3.45	73.8/16610	0-3.2 0-0.13	196 7.72	260 10.24	52 2.05	2-5/8×85 2-M16×85	UL FM
150 6	168.3 6.625	500 3.45	76.7/17260	0-3.2 0-0.13	200 7.87	265 10.43	52 2.05	2-5/8×85 2-M16×85	UL FM
200 8	216.3 8.516	300 2.07	76.0/17100	0-3.2 0-0.13	254 10.00	320 12.60	59 2.32	2-5/8×85 2-M16×85	FM
200 8	219.1 8.625	500 3.45	116.9/26280	0-3.2 0-0.13	258 10.24	342 13.46	60 2.37	2-3/4×115 2-M20×115	UL FM
250 10	267.4 10.528	300 2.07	116.2/26140	0-3.2 0-0.13	308.5 12.15	403 15.87	64 2.52	2-3/4×115 2-M20×115	FM
250 10	273.0 10.750	500 3.45	121.0/27210	0-3.2 0-0.13	337 13.27	406 16.00	65 2.56	2-7/8×140 2-M22×140	UL FM
300 12	318.5 12.539	300 2.07	164.8/37090	0-3.2 0-0.13	363 14.29	460 18.11	63 2.48	2-7/8×140 2-M22×140	FM
300 12	323.9 12.750	500 3.45	170.3/38280	0-3.2 0-0.13	378 14.96	465 18.31	65 2.56	2-7/8×140 2-M22×140	UL FM
350 14	355.6 14.000	300 2.07	205.5/46220	0-3.2 0-0.13	402 15.83	493 19.41	72 2.83	3-7/8×140 3-M22×140	UL
350 14	377.0 14.843	225 1.6	178.5/40160	0-3.2 0-0.13	428 16.85	520 20.45	72 2.85	3-7/8X140 3-M22X140	UL
400 16	406.4 16.000	300 2.07	268.4/60370	0-3.2 0-0.13	458 18.03	547 21.54	72 2.85	3-7/8×140 3-M22×140	UL
400 16	426.0 16.772	225 1.6	227.9/51270	0-3.2 0-0.13	476 18.74	566 22.28	73 2.87	3-7/8X140 3-M22X140	UL
450 18	457.2 18.000	300 2.07	262.5/59060	0-3.2 0-0.13	505 19.88	598 23.54	78 3.07	3-7/8×140 3-M22×140	UL
450 18	480.0 18.9	300 2.07	373.8/84110	0-3.2 0-0.13	533 20.98	628 24.72	78 3.07	3-7/8X140 3-M22X140	UL
500 20	508.0 20.000	300 2.07	324.1/72910	0-3.2 0-0.13	550 21.65	648 25.51	78 3.07	4-7/8×140 4-M22×140	UL
600 24	609.6 24.000	300 2.07	466.7/104990	0-3.2 0-0.13	662 26.06	774 30.47	78 3.07	4-1X140	UL

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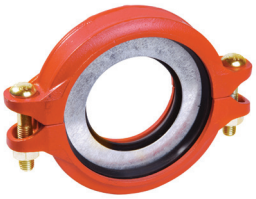
Standart Redüksiyon Kaplin
Standard Reducing Flexible Coupling



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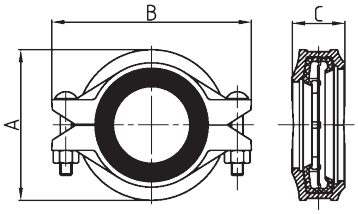

Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Taşıyabileceği Maksimum Yük Max. End Load kN/Lbs	Boru Ucu Ayırma Pipe End Separation mm/in	Ölçüler/Dimensions			Civata Ölçüsü Bolt Size	Sertifika Certificate
					A mm/in	B mm/in	C mm/in	No.-Size mm/in	
50×25 2×1	60.3×33.7 2.375×1.315	360 2.48	5.9/1330	0-3.2 0-0.13	89 3.00	125.2 4.929	44 1.73	2-3/8×55 2-M10×57	UL
50×40 2×1½	60.3×48.3 2.375×1.900	360 2.48	5.9/1330	0-3.2 0-0.13	86 3.39	125 4.93	44 1.74	2-3/8×55 2-M10×57	UL FM
65×25 2½×1	73.0×33.7 2.875×1.327	300 2.07	8.7/1950	0-3.2 0-0.13	100 3.94	138 5.44	45 1.78	2-3/8×55 2-M10×57	UL FM
65×50 2½×2	73.0×60.3 2.875×2.375	360 2.48	8.7/1950	0-3.2 0-0.13	100 3.94	138 5.43	45 1.78	2-3/8×55 2-M10×57	UL FM
65×25 2½×1	76.1×33.7 3.000×1.327	300 2.07	9.4/2120	0-3.2 0-0.13	102 4.02	140 5.51	45 1.78	2-3/8×55 2-M10×57	UL FM
65×40 2½×1½	76.1×48.3 3.000×1.900	300 2.07	9.4/2120	0-3.2 0-0.13	102 4.02	140 5.51	45 1.78	2-3/8×55 2-M10×57	UL FM
65×50 2½×2	76.1×60.3 3.000×2.375	300 2.07	9.4/2120	0-3.2 0-0.13	102 4.02	144 5.67	45 1.78	2-3/8×55 2-M10×57	UL FM
65X65 2½X2½	76.1X73.0 3.000X2.875	300 2.07	9.4/2120	0-3.2 0-0.13	102.5 4.04	145 5.71	45 1.78	2-3/8X55 2-M10X57	-
80×25 3×1	88.9×33.7 3.500×1.327	300 2.07	12.8/2885	0-3.2 0-0.13	115 4.53	168 6.61	46 1.81	2-1/2×70 2-M12×70	UL FM
80×50 3×2	88.9×60.3 3.500×2.375	360 2.48	12.8/2885	0-3.2 0-0.13	115 4.53	168 6.61	46 1.81	2-1/2×70 2-M12×70	UL FM
80×65 3×2½	88.9×73.0 3.500×2.875	360 2.48	12.8/2885	0-3.2 0-0.13	115 4.53	168 6.61	46 1.81	2-1/2×70 2-M12×70	UL FM
80×65 3×2½	88.9×76.1 3.500×3.000	300 2.07	12.8/2885	0-3.2 0-0.13	115 4.53	172 6.77	46 1.81	2-1/2×70 2-M12×70	UL FM
100×25 4×1	114.3×33.7 4.500×1.327	300 2.07	21.2/4770	0-3.2 0-0.13	144 5.67	198 7.80	50 1.97	2-1/2×70 2-M12×70	UL FM
100×50 4×2	114.3×60.3 4.500×2.375	360 2.48	21.2/4770	0-3.2 0-0.13	144 5.67	198 7.80	50 1.97	2-1/2×70 2-M12×70	UL FM
100×65 4×2½	114.3×73.0 4.500×2.875	360 2.48	21.2/4770	0-3.2 0-0.13	144 5.67	198 7.80	50 1.97	2-1/2×70 2-M12×70	UL FM
100×65 4×2½	114.3×76.1 4.500×3.000	300 2.07	21.2/4770	0-3.2 0-0.13	144 5.67	202 7.95	50 1.97	2-1/2×70 2-M12×70	UL FM
100×80 4×3	114.3×88.9 4.500×3.500	360 2.48	21.2/4770	0-3.2 0-0.13	148 5.83	198 7.80	50 1.97	2-1/2×70 2-M12×70	UL FM
150 X 80 6×3	165.1×88.9 6.500×3.500	300 2.07	44.3/9960	0-3.2 0-0.13	200 7.87	260 10.24	51 2.01	2-3/4×115 2-M20×115	UL FM
150×100 6×4	165.1×114.3 6.500×4.500	360 2.48	44.3/9960	0-3.2 0-0.13	197 7.75	260 10.24	51 2.01	2-5/8×85 2-M16×85	UL FM
150×80 6×3	168.3×88.9 6.625×3.500	300 2.07	46.0/10340	0-3.2 0-0.13	200 7.87	268 10.55	51 2.01	2-5/8×85 2-M16×85	UL FM
150×100 6×4	168.3×114.3 6.625×4.500	360 2.48	46.0/10340	0-3.2 0-0.13	202.5 7.97	268 10.55	52.5 2.07	2-5/8×85 2-M16×85	UL FM
150×125 6×5	168.3×141.3 6.625×5.563	360 2.48	46.0/10340	0-3.2 0-0.13	210.25 8.278	274.83 10.820	51.9 2.043	2-3/4×115 2-M20×115	UL
150×150 6×6	168.3×165.1 6.625×6.500	300 2.07	46.0/10340	0-3.2 0-0.13	204 8.031	268 10.551	52.5 2.066	2-5/8×85 2-M16×85	UL FM
200×150 8×6	219.1×165.1 8.625×6.500	300 2.07	77.8/17500	0-3.2 0-0.13	257 10.12	335 13.19	60 2.36	2-3/4×115 2-M20×115	UL FM
200×150 8×6	219.1×168.3 8.625×6.625	360 2.48	77.8/17500	0-3.2 0-0.13	260 10.24	338 13.31	60 2.36	2-3/4×115 2-M20×115	UL FM

UV12

Esnek Kaplin
Flexible Coupling

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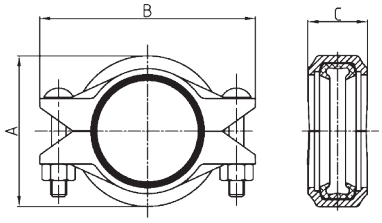
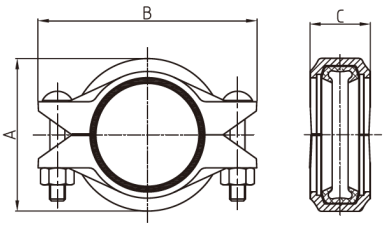


Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Taşıyabileceği Maksimum Yük Max. End Load kN/Lbs	Boru Ucu Ayırma Pipe End Separation mm/in	Ölçüler/Dimensions			Civata Ölçüsü Bolt Size	Sertifika Certificate
					A mm/in	B mm/in	C mm/in	No.-Size mm/in	
50 2	60.3 2.37	300 2.07	5.9/1329	0-3.2 0-0.13	81.2 3.20	125 4.92	44.5 1.75	2-3/8X55 2-M10X57	-
65 2 1/2	76.1 3.00	300 2.07	9.4/2117	0-3.2 0-0.13	96.5 3.79	138 5.43	44.5 1.75	2-3/8X55 2-M10X57	-
80 3	88.9 3.500	300 2.07	12.8/2877	0-3.2 0-0.13	112.2 4.417	159 6.260	45.5 1.791	2-3/8X55 2-M10X57	UL
100 4	114.3 4.500	300 2.07	21.2/4770	0-3.2 0-0.13	139 5.47	182 7.16	50 1.97	2-3/8X55 2-M10X57	UL
125 5	139.7 5.500	450 3.10	47.5/10680	0-3.2 0-0.13	168 6.61	228 8.98	51 2.01	2-5/8X80 2-M16X85	UL
150 6	165.1 6.500	300 2.07	44.3/9960	0-3.2 0-0.13	192 7.56	244 9.61	51 2.01	2-1/2X75 2-M12X76	UL
150 6	168.3 6.625	300 2.07	46.0/10340	0-3.2 0-0.13	200 7.87	266 10.47	52 2.05	2-5/8X85 2-M16X85	UL
250 10	273.0 10.750	300 2.07	121.0/27210	0-3.2 0-0.13	320 12.60	398.0 15.67	64 2.52	2-3/4X120 2-M20X115	UL

UV13

Esnek Kaplin
Flexible Coupling

c UL us LISTED FM APPROVED

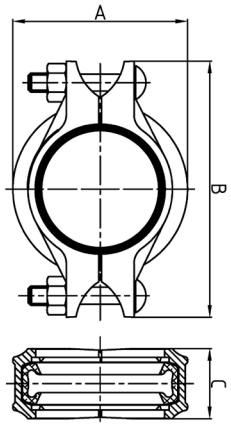


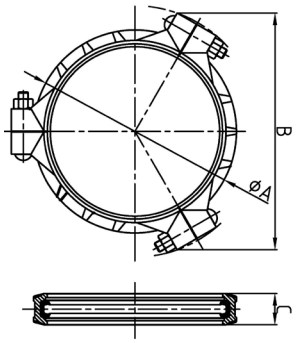
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions			Civata Ölçüsü Bolt Size	Sertifika Certificate
			A mm/in	B mm/in	C mm/in	No.-Size mm/in	
50 2	60.3 2.37	300 2.07	82.2 3.24	125 4.92	44.5 1.75	2-3/8X55 2-M10X57	-
65 2½	73.0 2½	363 2.5	94.5 3.720	136 5.354	44.5 1.752	2-3/8X55 2-M10X57	UL
65 2½	76.1 3.000	363 2.5	97.5 3.839	138 5.433	44.5 1.752	2-3/8X55 2-M10X57	-
80 3	88.9 3.500	363 2.5	110.4 4.346	152 5.984	45.5 1.791	2-3/8X55 2-M10X57	-
100 4	114.3 4.500	363 2.5	139 5.472	183 7.205	48 1.890	2-3/8X55 2-M10X57	-
125 5	139.7 5.5	363 2.5	165.4 6.50	220 8.86	49.5 1.95	2-1/2X70 2-M12X70	-
150 6	165.1 6.500	363 2.5	194.1 7.642	249 9.803	50 1.969	2-1/2X70 2-M12X70	-
150 6	168.3 6.625	300 2.07	197 7.76	255 10.04	49.5 1.95	2-1/2X70 2-M12X70	UL
200 8	219.1 8.625	300 2.07	250 9.84	323 12.72	58.5 2.30	2-5/8X85 2-M16X85	UL
250 10	273.0 10.750	300 2.07	310 12.20	390 15.35	60 2.36	2-3/4X115 2-M20X115	UL FM

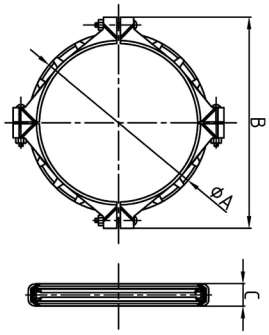
unival

Standart
Sabit Kaplin
Standard
Rigid Coupling

c UL us LISTED FM APPROVED





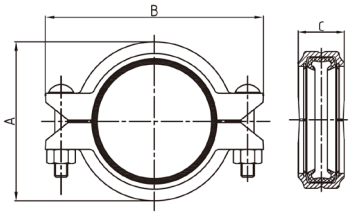


Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Taşıyabileceği Maksimum Yük Max. End Load kN/Lbs	Boru Ucu Ayırma Pipe End Separation mm/in	Ölçüler/Dimensions			Civata Ölçüsü Bolt Size	Sertifika Certificate
					A mm/in	B mm/in	C mm/in	No.-Size mm/in	
25 1	33.7 1.327	500 3.45	3.0/680	0-1.6 0-0.06	59 2.33	100 3.94	44 1.74	2-3/8X55 2-M10X57	UL FM
32 1¼	42.4 1.669	500 3.45	4.8/1080	0-1.6 0-0.06	66 2.60	109.5 4.31	45 1.78	2-3/8X55 2-M10X57	UL FM
40 1½	48.3 1.900	500 3.45	6.3/1420	0-3.2 0-0.13	72 2.84	115 4.53	45 1.78	2-3/8X55 2-M10X57	UL FM
50 2	60.3 2.375	500 3.45	9.8/2210	0-3.2 0-0.13	85 3.35	131 5.16	45 1.78	2-3/8X55 2-M10X57	UL FM
65 2½	73.0 2.875	500 3.45	14.4/3240	0-3.2 0-0.13	98 3.86	145 5.71	45 1.78	2-3/8X55 2-M10X57	UL FM
65 2½	76.1 3.000	500 3.45	15.7/3520	0-3.2 0-0.13	101 3.98	147 5.78	45 1.77	2-3/8X55 2-M10X57	UL FM
80 3	88.9 3.500	500 3.45	21.4/4810	0-3.2 0-0.13	115.0 4.53	170 6.69	46 1.82	2-1/2X70 2-M12X70	UL FM
100 4	108.0 4.250	500 3.45	31.5/7100	0-3.2 0-0.13	140 5.51	197 7.76	52 2.05	2-1/2X70 2-M12X70	UL FM
100 4	114.3 4.500	500 3.45	35.4/7960	0-3.2 0-0.13	146 5.75	200 7.88	52 2.05	2-1/2X70 2-M12X70	UL FM
125 5	133 5.250	300 2.07	28.7/6460	0-3.2 0-0.13	165 6.50	232 9.13	52 2.05	2-5/8X85 2-M16X85	UL FM
125 5	139.7 5.500	500 3.45	52.9/11800	0-3.2 0-0.13	170 6.69	238 9.37	52 2.05	2-5/8X85 2-M16X85	UL FM
125 5	141.3 5.563	500 3.45	54.1/12100	0-3.2 0-0.13	172 6.77	236.5 9.31	52 2.05	2-5/8X85 2-M16X85	UL FM
150 6	159.0 6.250	300 2.07	41.0/9240	0-3.2 0-0.13	190 7.48	258 10.16	52 2.05	2-5/8X85 2-M16X85	UL FM
150 6	165.1 6.500	500 3.45	73.8/16610	0-3.2 0-0.13	198 7.80	266 10.47	52 2.05	2-5/8X85 2-M16X85	UL FM
150 6	168.3 6.625	500 3.45	76.7/17260	0-3.2 0-0.13	202.0 7.95	270 10.63	52 2.05	2-5/8X85 2-M16X85	UL FM
200 8	219.1 8.625	500 3.45	116.9/26280	0-3.2 0-0.13	260.0 10.24	346 13.625	62 2.44	2-3/4X115 2-M20X115	UL FM
250A 10	267.4 10.528	300 2.07	116/26130	0-3.2 0-0.13	318 12.52	396 15.60	63 2.48	2-3/4X120 2-M20X115	UL FM
250 10	273.0 10.750	500 3.45	163.8/36800	0-3.2 0-0.13	327 12.88	420 16.54	63 2.48	2-7/8X125 2-M22X125	UL FM
300A 12	318.5 12.539	300 2.07	164.8/37080	0-3.2 0-0.13	364 14.33	456 17.95	63 2.48	2-7/8X140 2-M22X140	UL FM
300 12	323.9 12.750	500 3.45	230.6/51880	0-3.2 0-0.13	378 14.88	466 18.35	63 2.48	2-7/8X140 2-M22X140	UL FM
350 14	355.6 14.000	300 2.07	205.5/46220	0-3.2 0-0.13	415 16.34	510 20.08	72 2.84	3-7/8X140 3-M22X140	UL FM
350 14	377.0 14.842	225 1.6	178.5/40160	0-3.2 0-0.13	435 17.13	535 21.05	72 2.84	3-7/8×140 3-M22×140	UL FM
400 16	406.4 16.000	300 2.07	268.4/60370	0-3.2 0-0.13	468 18.43	575 22.64	72 2.84	3-7/8X140 3-M22X140	UL FM
450 18	457.2 18.000	225 1.6	262.5/59060	0-3.2 0-0.13	508 20	608 23.94	78 3.07	3-7/8X140 3-M22X140	UL
500 20	508.0 20.0	225 1.6	324.1/72910	0-3.2 0-0.13	563 22.17	660 25.98	78 3.07	4-7/8X140 4-M22X140	UL
600 24	609.6 24.000	225 1.6	466.7/104990	0-3.2 0-0.13	668 26.30	772 30.40	78 3.07	4-1X140	UL
600 24	630 24.80	225 1.6	498.5/112140	0-3.2 0-0.13	692 27.24	796 31.33	78 3.07	4-1×140	UL
700 28	711.2 28	225 1.6	635/142900	8-12 0.31-0.47	798 31.42	960 37.80	133 5.24	6-11/2X53/4	-
800 32	812.8 32	225 1.6	830/186700	8-12 0.31-0.47	900 35.43	1058 41.65	133 5.24	6-11/2X53/4	-

UV16

Sabit Kaplin
Rigid Coupling

c UL us LISTED FM APPROVED

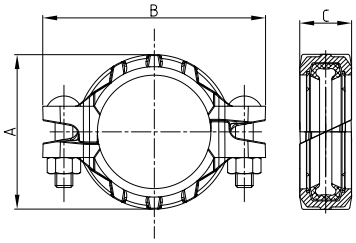


Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Taşıyabileceği Maksimum Yük Max. End Load kN/Lbs	Pipe End Separation mm/in	Ölçüler/Dimensions			Civata Ölçüsü Bolt Size	Sertifika Certificate
					A mm/in	B mm/in	C mm/in	No.-Size mm/in	
80 3	88.9 3.500	350 2.41	15.0/3360	0-3.2 0-0.13	114 4.50	160 6.30	45 1.78	2-3/8X55 2-M10X57	UL FM
100 4	108.0 4.250	300 2.07	18.9/4260	0-3.2 0-0.13	135 5.30	185 7.28	50 1.97	2-1/2X70 2-M12X70	UL FM
100 4	114.3 4.500	350 2.41	24.7/5560	0-3.2 0-0.13	140 5.51	192 7.56	46.5 1.83	2-1/2X70 2-M12X70	UL FM
125 5	139.7 5.500	350 2.41	36.9/8300	0-3.2 0-0.13	168 6.62	225 8.86	50 1.97	2-1/2X75 2-M12X76	UL FM
125 5	141.3 5.563	350 2.41	37.8/8490	0-3.2 0-0.13	170 6.69	225 8.86	50 1.97	2-1/2X75 2-M12X76	UL FM
150 6	159.0 6.250	300 2.07	41.0/9240	0-3.2 0-0.13	190 7.48	252 9.92	50 1.97	2-5/8X80 2-M16X85	UL FM
150 6	165.1 6.500	350 2.41	51.6/11600	0-3.2 0-0.13	195 7.68	250 9.84	50 1.97	2-1/2X75 2-M12X76	UL FM
150 6	168.3 6.625	350 2.41	53.6/12000	0-3.2 0-0.13	200 7.87	255 10.04	50 1.97	2-1/2X75 2-M12X76	UL FM
200A 8	216.3 8.516	300 2.07	76.0/17100	0-3.2 0-0.13	255 10.04	320 12.60	58 2.28	2-5/8X85 2-M16X85	UL FM
200 8	219.1 8.625	350 2.41	90.8/20430	0-3.2 0-0.13	255 10.05	324 12.76	58 2.28	2-5/8X85 2-M16X85	UL FM
250 10	273.0 10.750	300 2.07	121.0/27210	0-3.2 0-0.13	318 12.52	410 16.14	63 2.48	2-3/4X120 2-M20X115	UL FM

UV17

Yüksek Basınçlı Sabit Kaplin
Heavy duty Rigid Coupling

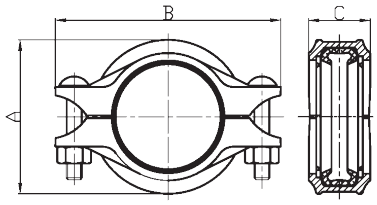
c UL us LISTED



Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions			Civata Ölçüsü Bolt Size	Sertifika Certificate
			A mm/in	B mm/in	C mm/in	No.-Size mm/in	
50 2	60.3 2.375	750 5.17	88 3.46	136 5.35	45.5 1.79	2-1/2X75	UL
65 2½	73.0 2.875	750 5.17	101 3.98	150 5.91	45.5 1.79	2-1/2X75	UL
65 2½	76.1 3.000	750 5.17	104 4.09	155 6.10	45.5 1.79	2-1/2X75	UL
80 3	88.9 4.500	750 5.17	120.5 4.74	174 6.85	46.5 1.83	2-1/2X75	UL
100 4	114.3 4.500	750 5.17	150.5 5.93	217 8.54	50.5 1.99	2-5/8X80	UL
125 5	139.7 5.500	750 5.17	179 7.05	249 9.80	52 2.05	2-3/4X115	UL
125 5	141.3 5.563	750 5.17	180.5 7.11	250 9.84	51.5 2.03	2-3/4X115	UL
150 6	165.1 6.500	750 5.17	208 8.19	281 11.06	51.5 2.03	2-3/4X115	UL
150 6	168.3 6.625	750 5.17	211.5 8.33	285 11.22	52 2.05	2-3/4X115	UL
200 8	219.1 8.625	750 5.17	269 10.59	358 14.09	61 2.40	2-7/8X125	UL
250 10	273.0 10.750	750 5.17	326.5 12.85	420.7 16.56	63.5 2.50	2-7/8X125	UL
300 12	323.9 12.750	750 5.17	385 15.16	481 18.94	66 2.60	2-7/8X140	UL

UV18

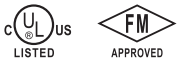
Standart Sabit Kaplin
Standard Rigid Coupling

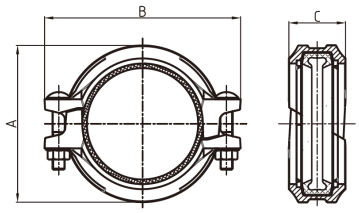


Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions			Civata Ölçüsü Bolt Size	Sertifika Certificate
			A mm/in	B mm/in	C mm/in	No.-Size mm/in	
32 11/4	42.4 1.669	300 2.07	65 2.56	103.5 4.07	44.5 1.75	2-3/8X55 2-M10X57	UL FM
40 11/2	48.3 1.900	300 2.07	70.8 2.79	108 4.25	44.5 1.75	2-3/8X55 2-M10X57	UL FM
50 2	60.3 2.375	300 2.07	82.5 3.25	129 5.08	44.5 1.75	2-3/8X55 2-M10X57	UL
65 2½	73.0 2.875	363 2.5	94.5 3.720	136 5.354	44 1.732	2-3/8X55 2-M10X57	UL
65 2½	76.1 3.000	300 2.07	98 3.86	138 5.43	44 1.73	2-3/8X55 2-M10X57	UL FM
80 3	88.9 3.500	300 2.07	110 4.33	152 5.98	45 1.77	2-3/8X55 2-M10X57	UL FM
100 4	108.0 4.250	300 2.07	130 5.12	174 6.85	47 1.85	2-3/8X55 2-M10X57	UL FM
100 4	114.3 4.500	300 2.07	140 5.51	183 7.20	47 1.85	2-3/8X55 2-M10X57	UL FM
125 5	133 5.250	300 2.07	160 6.30	212 8.35	49 1.93	2-1/2X70 2-M12X70	UL FM
125 5	139.7 5.500	300 2.07	165 6.50	217 8.54	49 1.93	2-1/2X70 2-M12X70	UL FM
150 6	159.0 6.250	300 2.07	186 7.32	238 9.37	50 1.97	2-1/2X70 2-M12X70	UL FM
150 6	165.1 6.500	300 2.07	195 7.68	247 9.72	50 1.97	2-1/2X70 2-M12X70	UL FM
200 8	219.1 8.625	300 2.07	251 9.88	316 12.44	58 2.28	2-5/8X80 2-M16X85	UL FM
250 10	273.0 10.750	300 2.07	311 12.24	384 15.12	57.5 2.26	2-3/4X115 2-M20X115	UL FM

UV19

Çapraz Pedli Sabit Kaplin
Angle Pad Coupling





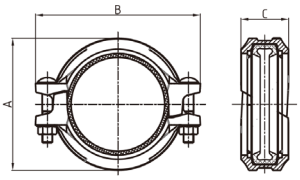
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Taşıyabileceği Maksimum Yük Max. End Load kN/Lbs	Pipe End Separation mm/in	Ölçüler/Dimensions			Civata Ölçüsü Bolt Size	Sertifika Certificate
					A mm/in	B mm/in	C mm/in	No.-Size mm/in	
32 1¼	42.4 1.669	500 3.45	4.8/1080	0-1.6 0-0.06	64 2.52	99 3.90	46.5 1.83	2-M10X57	UL FM
40 1½	48.3 1.900	500 3.45	6.3/1420	0-3.2 0-0.13	70 2.76	105 4.13	46.5 1.83	2-M10X57	UL FM
50 2	60.3 2.375	500 3.45	9.8/2210	0-3.2 0-0.13	85 3.35	121 4.76	46.5 1.83	2-M10X57	UL FM
65 2½	73.0 2.875	500 3.45	14.5/3250	0-3.2 0-0.13	99 3.90	134 5.28	47.5 1.87	2-M10X63	UL FM
65 2½	76.1 3.000	500 3.45	15.7/3520	0-3.2 0-0.13	102 4.02	137 5.39	47.5 1.87	2-M10X63	UL FM
80 3	88.9 3.500	500 3.45	21.4/4810	0-3.2 0-0.13	115 4.53	150 5.91	47.5 1.87	2-M10X63	UL FM
100 4	114.3 4.500	500 3.45	35.4/7950	0-3.2 0-0.13	142 5.59	180 7.09	50 1.97	2-M10X70	UL FM
125 5	139.7 5.500	300 2.07	31.7/7130	0-3.2 0-0.13	171 6.73	214 8.43	52.5 2.07	2-M12X76	UL FM
150 6	165.1 6.500	300 2.07	44.3/9950	0-3.2 0-0.13	198 7.80	242 9.53	52.5 2.07	2-M12X76	UL FM
150 6	168.3 6.625	500 3.45	76.7/17230	0-3.2 0-0.13	201 7.91	245 9.65	52.5 2.07	2-M12X76	UL FM
200 8	219.1 8.625	500 3.45	129.7/29160	0-3.2 0-0.13	258 10.16	331 13.03	63.5 2.50	2-M20X115	UL FM
250 10	273.0 10.750	500 3.45	201.7/45350	0-3.2 0-0.13	321 12.64	406 15.98	64.5 2.54	2-M22X140	UL FM

UV09

Sabit Kaplin
Angle Pad Coupling

Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions			Civata Ölçüsü Bolt Size	Sertifika Certificate
			A mm/in	B mm/in	C mm/in	No.-Size mm/in	
100 4	114.3 4.500	300 2.07	140.5 5.53	177.5 6.99	46.5 1.83	2-3/8X60 2-M10X63	UL
150 6	165.1 6.500	300 2.07	195 7.68	240 9.45	49.5 1.95	2-1/2X70 2-M12X70	UL
200 8	219.1 8.625	300 2.07	252 9.92	319 12.56	58 2.28	2-5/8X85 2-M16X85	UL FM

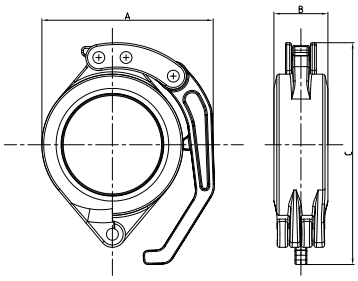
c UL us LISTED FM APPROVED



UV78

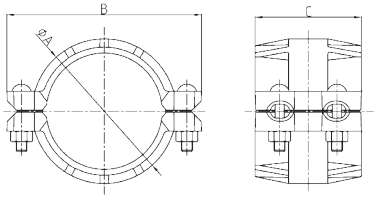
Civatasız Hızlı Kaplin
Standard Wrench Coupling

Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Taşıyabileceği Maksimum Yük Max. End Load kN/Lbs	Pipe End Separation mm/in	Ölçüler/Dimensions		
					A mm/in	B mm/in	C mm/in
80 3	88.9 3.500	365 2.5	15.5/3490	0-3.2 0-0.13	143 5.63	45.5 1.79	180 7.09



UV305

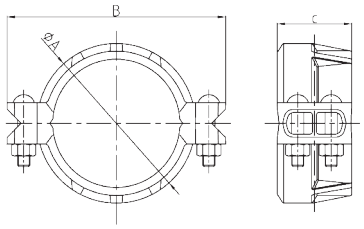
HDPE Kaplin
HDPE Coupling



Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Ölçüler/Dimensions			Civata Ölçüsü Bolt Size
		A mm/in	B mm/in	C mm/in	No.-Size mm/in
50 2	60.3 2.375	86.5 3.406	133 5.24	116 4.567	4-1/2X70
80 3	88.9 3.5	118 4.65	165 6.5	116 4.567	4-1/2X75
100 4	114.3 4.5	148 5.827	202 7.953	146 5.75	4-1/2X75
150 6	168.3 6.625	203 7.99	273 10.75	149 5.87	4-5/8X85
200 8	219.1 8.625	263 10.35	333 13.11	152 5.98	4-5/8X85
250 10	273.0 10.75	321 12.65	399 15.709	165 6.496	4-3/4X120
300 12	323.9 12.75	372 14.656	452 17.795	185 7.28	4-3/4X120

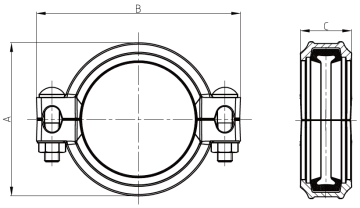
UV307

HDPE Geçiş Kaplini
HDPE Transition Coupling



Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Ölçüler/Dimensions			Civata Ölçüsü Bolt Size
		A mm/in	B mm/in	C mm/in	No.-Size mm/in
50 2	60.3 2.375	86.5 3.406	147 5.787	79 3.11	4-1/2X70
80 3	88.9 3.5	116 4.567	176 6.929	79 3.11	4-1/2X75
100 4	114.3 4.5	148 5.827	209 8.228	95 3.75	4-1/2X75
150 6	168.3 6.625	202 7.95	280 11.02	95 3.74	4-5/8X85
200 8	219.1 8.625	264 10.39	342 13.46	107.5 4.23	4-5/8X85
250 10	273.0 10.75	321 12.65	424 16.693	127 5	4-3/4X120
300 12	323.9 12.75	372 14.656	483 19.016	127 5	4-3/4X120

Ring Kaplin
Shoulder Welded
Ring Pipe Clamp



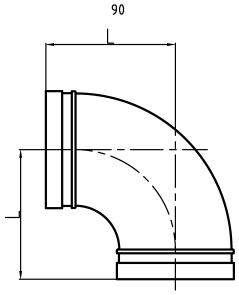
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Taşıyabileceği Maksimum Yük Max. End Load kN/Lbs	Pipe End Separation mm/in	Ölçüler/Dimensions			Civata Ölçüsü Bolt Size
					A mm/in	B mm/in	C mm/in	No.-Size mm/in
50 2	60.3 2.375	580 4.00	11.4/2569	0-3 0-0.118	94 3.70	139.5 5.49	44.5 1.75	2-M12X70
80 3	88.9 3.500	580 4.00	24.8/5584	0-3 0-0.118	124 4.88	169 6.65	47 1.85	2-M12X70
100 4	114.3 4.500	580 4.00	42.0/9230	0-3 0-0.118	154 6.06	205 8.07	50.5 1.99	2-M12X70
150 6	165.1 6.500	435 3.00	64.2/14443	0-3 0-0.118	207 8.15	274 10.79	51.5 2.03	2-M16X85
200 8	219.1 8.625	435 3.00	113.1/25437	0-3 0-0.118	273 10.75	340 13.39	61 2.40	2-M16X95

Kaynaklı Ringler Nominal Boyut Weld Rings Nominal Size mm/in	Ölçüler/Dimensions		
	E mm/in	F mm/in	G mm/in
50 2	16 0.63	67 2.64	60.3 2.37
80 3	16 0.63	97 3.82	88.9 3.50
100 4	17.5 0.69	122 4.80	114.3 4.50
150 6	17.5 0.69	175 6.89	165.1 6.50
200 8	20.5 0.81	232 9.13	219.1 8.63

unival

90° Dirsek
90° Elbow

LISTED APPROVED



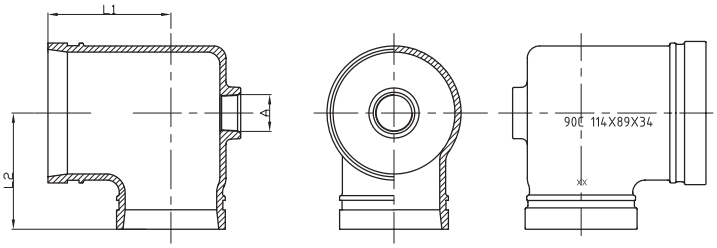
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions L mm/in	Sertifika Certificate
25 1	33.7 1.315	500 3.45	57 2.24	UL FM
32 1¼	42.4 1.660	500 3.45	70 2.75	UL FM
40 1½	48.3 1.900	500 3.45	70 2.75	UL FM
50 2	60.3 2.375	500 3.45	82.5 3.25	UL FM
65 2½	73.0 2.875	500 3.45	95 3.74	UL FM
65 2½	76.1 3.000	500 3.45	95 3.74	UL FM
80 3	88.9 3.500	500 3.45	108 4.25	UL FM
100 4	108.0 4.250	500 3.45	127 5.00	-
100 4	114.3 4.500	500 3.45	127 5.00	UL FM
125 5	133.0 5.250	500 3.45	122 4.80	UL FM
125 5	139.7 5.500	500 3.45	140 5.50	UL FM
125 5	141.3 5.563	500 3.45	140 5.50	UL FM
150 6	159.0 6.250	500 3.45	165 6.50	-
150 6	165.1 6.500	500 3.45	165 6.50	UL FM
150 6	168.3 6.625	500 3.45	165 6.50	UL FM
200 8	219.1 8.625	500 3.45	197 7.75	UL FM
250 10	267.4 10.528	300 2.07	229 9.00	UL FM
250 10	273.0 10.750	300 2.07	229 9.00	UL FM
300 12	318.5 12.539	300 2.07	254 10.00	UL FM
300 12	323.9 12.750	300 2.07	254 10.00	UL FM
350 14	355.6 14.000	300 2.07	280 11.02	-
350 14	377.0 14.84	300 2.07	279 10.98	-
400 16	406.4 16.000	300 2.07	305 12.00	-
400 16	426.0 16.77	300 2.07	305 12.00	-
450 18	457.2 18.000	300 2.07	394 15.50	-
450 18	480.0 18.90	300 2.07	335 13.19	-
500 20	508.0 20.000	300 2.07	438 17.25	-
600 24	609.6 24.000	300 2.07	508 20.00	-

UV90C

90° Hidrant Dirsek
90° Hydrant Elbow

Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions			Sertifika Certificate
			A	L1 mm/in	L2 mm/in	
100X80X25 4X3X1	114.3X88.9X33.7 4.500X3.500X1.327	300 2.07	1-11.5NPT Rp1-ISO7/1	102 4.016	95 3.74	UL FM
150x80X25 6X3X1	165.1X88.9X33.7 6.500X3.500X1.327	300 2.07	1-11.5NPT Rp1-ISO7/1	130 5.118	130 5.118	UL FM

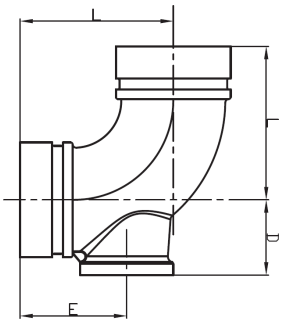
c UL US LISTED FM APPROVED



UV90C

90° Tahliye Dirseği
90° Drain Elbow

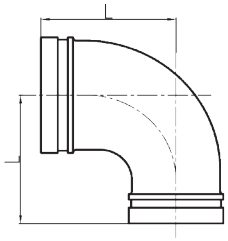
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions			Sertifika Certificate
			L mm/in	D mm/in	E mm/in	
50 2	60.3 2.375	300 2.07	82.5 3.248	57 2.244	40 1.575	-
65 21/2	73 2.875	300 2.07	95 3.74	70 2.756	43 1.693	-
80 3	88.9 3.500	300 2.07	108 4.25	70 2.756	53 2.087	-
100 4	114.3 4.5	300 2.07	127 5	70 2.756	66 2.598	-
150 6	168.3 6.625	300 2.07	165 6.496	70 2.756	93 3.661	-
200 8	219.1 8.625	300 2.07	197 7.756	70 2.756	126 4.961	-



UV21

90° Redüksiyon Dirseği
90° Reducing Elbow

c UL us LISTED FM APPROVED



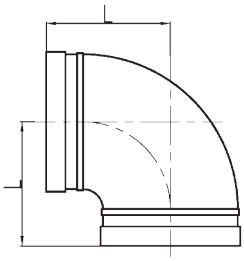
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions L mm/in	Sertifika Certificate
80X65 3X2 1/2	88.9X76.1 3.500X3.000	500 3.45	108 4.25	UL FM
100X65 4X2 1/2	114.3X76.1 4.500X3.000	500 3.45	127 5.00	UL FM
100X80 4X3	114.3X88.9 4.500X3.500	500 3.45	127 5.00	UL FM
150X100 6X4	165.1X114.3 6.500X4.500	500 3.45	165 6.50	UL FM
150X100 6X4	168.3X114.3 6.625X4.500	500 3.45	165 6.50	UL FM

UV22

90° Dirsek
90° Elbow

c UL us LISTED FM APPROVED

90S

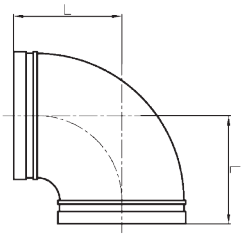


Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions L mm/in	Sertifika Certificate
50 2	57.0 2.244	300 2.07	70 2.75	-
50 2	60.3 2.375	300 2.07	70 2.75	UL FM
65 2½	73.0 2.875	300 2.07	76 3.00	UL FM
65 2½	76.1 3.000	300 2.07	76 3.00	UL FM
80 3	88.9 3.500	300 2.07	85.5 3.37	UL FM
100 4	108.0 4.500	500 3.45	101 3.98	UL FM
100 4	114.3 4.500	365 2.52	101 3.98	UL FM
125 5	139.7 5.500	300 2.07	124 4.88	UL FM
150 6	159.0 6.500	300 2.07	140 5.50	UL FM
150 6	165.1 6.500	365 2.52	140 5.50	UL FM
150 6	168.3 6.625	300 2.07	140 5.50	UL FM
200 8	216.3 8.625	300 2.07	175 6.89	UL FM
200 8	219.1 8.625	300 2.07	165 6.50	UL FM

UV23

90° Dirsek
90° Elbow

LISTED APPROVED

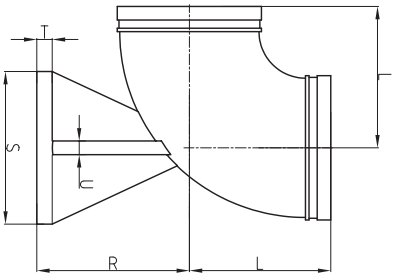


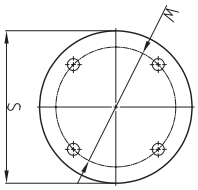
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions L mm/in	Sertifika Certificate
80 3	88.9 3.5	300 2.07	80.5 3.17	UL FM
100 4	108.0 4.250	300 2.07	92 3.62	UL FM
100 4	114.3 4.500	300 2.07	96 3.78	UL FM
125 5	133.0 5.250	300 2.07	109 4.29	UL FM
125 5	139.7 5.500	300 2.07	116 4.57	UL FM
125 5	141.3 5.563	300 2.07	116 4.57	-
150 6	159.0 6.250	300 2.07	121.5 4.78	UL FM
150 6	165.1 6.500	300 2.07	130 5.12	UL FM
150 6	168.3 6.625	300 2.07	130 5.12	UL FM
250 10	273.0 10.750	300 2.07	204 8.03	UL FM
300 12	323.9 12.750	300 2.07	220 8.66	UL FM

UV23CZ

Zemin dirseği
Base Elbow

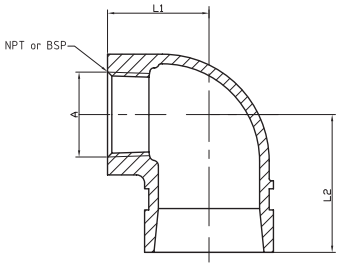
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions					
			L mm/in	R mm/in	U mm/in	T mm/in	S mm/in	W mm/in
80 3	88.9 3.500	300 2.07	108 4.25	124 4.88	13 0.5	14 0.56	127 5	99 3.88
100 4	114.3 4.500	300 2.07	127 5.00	140 5.5	13 0.5	16 0.62	152 6	121 4.75
150 6	168.3 6.625	300 2.07	165 6.50	178 7	16 0.62	18 0.69	178 7	140 5.5
200 8	219.1 8.625	300 2.07	197 7.75	213 8.38	22 0.88	24 0.94	229 9	191 7.5
250 10	273.0 10.750	300 2.07	229 9.00	248 9.75	22 0.88	24 0.94	229 9	191 7.5
300 12	323.9 12.750	300 2.07	254 10.00	286 11.25	25 1	25 1	279 11	241 9.5

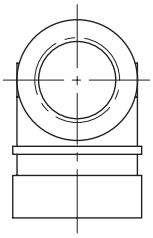




UV24

90° END-ALL Dirsek
90° END-ALL Elbow



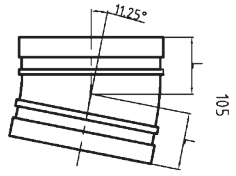


Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions			Sertifika Certificate
			A (NPT/BSP)	L1 mm/in	L2 mm/in	
32X15 11/4X1/2	42.4X21.3 1.660X0.825	500 3.45	1/2	35.1 1.382	44.5 1.752	UL FM
32X20 11/4X3/4	42.4X26.9 1.660X1.050	500 3.45	3/4	34.9 1.374	47.6 1.874	UL FM
32X25 11/4X1	42.4X33.7 1.660X1.315	500 3.45	1	38.1 1.5	51.6 2.031	UL FM
40X15 11/2X1/2	48.3X21.3 1.900X0.825	500 3.45	1/2	34.9 1.374	44.5 1.752	UL FM
40X20 11/2X3/4	48.3X26.9 1.900X1.050	500 3.45	3/4	34.9 1.374	47.6 1.874	UL FM
40X25 11/2X1	48.3X33.7 1.900X1.315	500 3.45	1	38.1 1.5	51.6 2.031	UL FM
50X15 2X1/2	60.3X21.3 2.375X0.825	500 3.45	1/2	41.4 1.63	44.5 1.752	UL FM
50X20 2X3/4	60.3X26.9 2.375X1.050	500 3.45	3/4	41.3 1.626	47.6 1.874	UL FM
50X25 2X1	60.3X33.7 2.375X1.315	500 3.45	1	44.5 1.752	51.6 2.031	UL FM
65X15 21/2X1/2	73.0X21.3 2.875X0.825	500 3.45	1/2	46 1.811	44.5 1.752	UL FM
65X20 21/2X3/4	73.0X26.9 2.875X1.050	500 3.45	3/4	46 1.811	47.6 1.874	UL FM
65X25 21/2X1	73.0X33.7 2.875X1.315	500 3.45	1	49.2 1.937	51.6 2.031	UL FM
65X25 21/2X1	76.1X33.7 2.996X1.327	500 3.45	1	49.2 1.94	51.6 2.03	-
80X20 3X3/4	88.9X26.9 3.500X1.050	500 3.45	3/4	60.3 2.374	52.4 2.063	UL FM
80X25 3X1	88.9X33.7 3.500X1.315	500 3.45	1	63.5 2.5	52.4 2.063	UL FM

UV25

11.25° Dirsek
11.25° Elbow

c UL us LISTED FM APPROVED

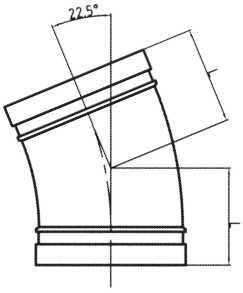


Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions L mm/in	Sertifika Certificate
32 $1^1/_4$	42.4 1.660	500 3.45	35 1.38	UL FM
40 $1^1/_2$	48.3 1.900	500 3.45	35 1.38	UL FM
50 2	60.3 2.375	500 3.45	35 1.38	UL FM
65 $2^1/_2$	73.0 2.875	500 3.45	38 1.506	UL FM
65 $2^1/_2$	76.1 3.000	500 3.45	38 1.506	UL FM
80 3	88.9 3.500	500 3.45	38 1.50	UL FM
100 4	108.0 4.250	500 3.45	44 1.73	UL FM
100 4	114.3 4.500	500 3.45	44 1.73	UL FM
125 5	139.7 5.500	500 3.45	51 2.00	UL FM
150 6	159.0 6.250	500 3.45	51 2.00	UL FM
150 6	165.1 6.500	500 3.45	51 2.00	UL FM
150 6	168.3 6.625	500 3.45	51 2.00	UL FM
200 8	219.1 8.625	500 3.45	51 2.00	UL FM

UV26

22.5° Dirsek
22.5° Elbow

c UL us LISTED FM APPROVED

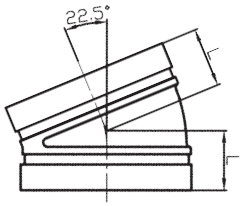


Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions L mm/in	Sertifika Certificate
32 1¼	42.4 1.660	500 3.45	45 1.77	UL FM
40 1½	48.3 1.900	500 3.45	45 1.77	UL FM
50 2	60.3 2.375	500 3.45	48 1.89	UL FM
65 2½	73.0 2.875	500 3.45	51 2.00	UL FM
65 2½	76.1 3.000	500 3.45	51 2.00	UL FM
80 3	88.9 3.500	500 3.45	57 2.24	UL FM
100 4	108.0 4.250	500 3.45	73 2.87	UL FM
100 4	114.3 4.500	500 3.45	73 2.87	UL FM
125 5	139.7 5.500	500 3.45	73 2.87	UL FM
150 6	159.0 6.250	500 3.45	79 3.11	UL FM
150 6	165.1 6.500	500 3.45	79 3.11	UL FM
150 6	168.3 6.625	500 3.45	79 3.11	UL FM
200 8	219.1 8.625	500 3.45	98 3.86	UL FM

UV27

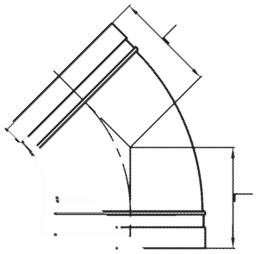
22.5° Dirsek
22.5° Elbow

c UL us LISTED FM APPROVED



Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions L mm/in	Sertifika Certificate
100 4	114.3 4.500	300 2.07	40 1.57	UL FM
150 6	159.0 6.250	300 2.07	45 1.77	UL FM
150 6	165.1 6.500	300 2.07	45 1.77	UL FM

45° Dirsek
45° Elbow

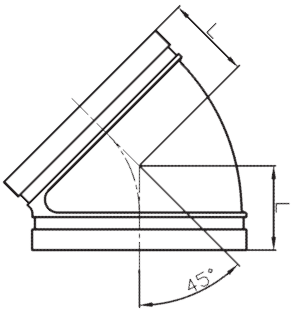


Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions L mm/in	Sertifika Certificate
25 1	33.7 1.315	500 3.45	44.5 1.75	UL FM
32 1¼	42.4 1.660	500 3.45	44.5 1.75	UL FM
40 1½	48.3 1.900	500 3.45	44.5 1.75	UL FM
50 2	60.3 2.375	500 3.45	51 2.00	UL FM
65 2½	73.0 2.875	500 3.45	57 2.24	UL FM
65 2½	76.1 3.000	500 3.45	57 2.24	UL FM
80 3	88.9 3.500	500 3.45	63.5 2.50	UL FM
100 4	108.0 4.250	500 3.45	76 3.00	UL FM
100 4	114.3 4.500	500 3.45	76 3.00	UL FM
125 5	133.0 5.250	500 3.45	82.5 3.25	UL FM
125 5	139.7 5.500	500 3.45	82.5 3.25	UL FM
125 5	141.3 5.563	500 3.45	82.5 3.25	UL FM
150 6	159.0 6.250	500 3.45	89 3.50	UL FM
150 6	165.1 6.500	500 3.45	89 3.50	UL FM
150 6	168.3 6.625	500 3.45	89 3.50	UL FM
200 8	216.3 8.516	500 3.45	108 4.25	UL FM
200 8	219.1 8.625	500 3.45	108 4.25	UL FM
250 10	267.4 10.528	300 2.07	120.5 4.75	UL FM
250 10	273.0 10.750	500 3.45	120.5 4.75	UL FM
300 12	318.5 12.750	300 2.07	133 5.25	UL FM
300 12	323.9 12.750	500 3.45	133 5.25	UL FM
350 14	377 14.843	300 2.07	122 4.80	-
350 14	355.6 14.000	300 2.07	152 6.00	-
400 16	406.4 16.000	300 2.07	184 7.25	-
450 18	457.2 18.000	300 2.07	203 8.00	-
500 20	508.0 20.000	300 2.07	229 9.00	-
600 24	609.6 24.000	300 2.07	280 11.00	-

unival

45° Dirsek
45° Elbow

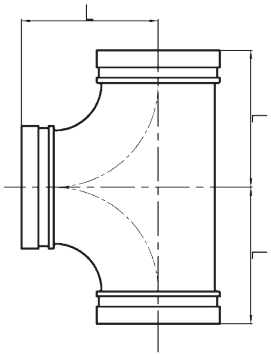
c UL us LISTED FM APPROVED



Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions L mm/in	Sertifika Certificate
80 3	88.9 3.500	300 2.07	51 2.01	UL FM
100 4	108.0 4.250	300 2.07	52 2.05	UL FM
100 4	114.3 4.500	300 2.07	54 2.13	UL FM
125 5	139.7 5.500	300 2.07	60 2.36	UL FM
125 5	141.3 5.563	300 2.07	60 2.36	-
150 6	159.0 6.250	300 2.07	63 2.48	UL FM
150 6	165.1 6.500	300 2.07	65 2.56	UL FM
150 6	168.3 6.625	300 2.07	65 2.56	UL FM
200 8	219.1 8.625	300 2.07	80 3.15	UL FM
250 10	273.0 10.750	300 2.07	95 3.74	UL FM

Te
Tee

c UL us LISTED FM APPROVED



Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions L mm/in	Sertifika Certificate
25 1	33.7 1.315	500 3.45	57 2.24	UL FM
32 1¼	42.4 1.660	500 3.45	70 2.75	UL FM
40 1½	48.3 1.900	500 3.45	70 2.75	UL FM
50 2	60.3 2.375	500 3.45	82.5 3.25	UL FM
65 2½	73.0 2.875	500 3.45	95 3.74	UL FM
65 2½	76.1 3.000	500 3.45	95 3.74	UL FM
80 3	88.9 3.500	500 3.45	108 4.25	UL FM
100 4	108.0 4.250	500 3.45	127 5.00	-
100 4	114.3 4.500	500 3.45	127 5.00	UL FM
125 5	133.0 5.250	500 3.45	122 4.80	UL FM
125 5	139.7 5.500	500 3.45	140 5.50	UL FM
125 5	141.3 5.563	500 3.45	140 5.50	UL FM
150 6	159.0 6.250	500 3.45	165 6.50	-
150 6	165.1 6.500	500 3.45	165 6.50	UL FM
150 6	168.3 6.625	500 3.45	165 6.50	UL FM
200 8	219.1 8.625	500 3.45	197 7.75	UL FM
250 10	267.4 10.528	500 3.45	229 9.00	UL FM
250 10	273.0 10.750	500 3.45	229 9.00	UL FM
300 12	318.5 12.539	500 3.45	254 10.00	-
300 12	323.9 12.750	500 3.45	254 10.00	UL FM
350 14	355.6 14.000	300 2.07	280 11.02	-
350 14	377.0 14.84	300 2.07	279 10.98	-
400 16	406.4 16.000	300 2.07	305 12.00	-
400 16	426.0 16.77	300 2.07	285 11.22	-
450 18	457.2 18.000	300 2.07	342 13.46	-
450 18	480.0 18.90	300 2.07	335 13.19	-
500 20	508.0 20.000	300 2.07	381 15.00	-
600 24	609.6 24.000	300 2.07	432 17.01	-

UV31

Redüksiyon Te
Reducing Tee

Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions					Sertifika Certificate
			A	L mm/in	D mm/in	E mm/in	M mm/in	
100X80X25 4X3X1	114.3X88.9X33.7 4.5X3.5X1.327	300 2.07	1-11.5NPT Rp1-ISO7/1	160 w6.3	102 4.02	102 4.02	60 2.36	UL FM
150X80X25 6X3X1	165.1X88.9X33.7 6.5X3.5X1.327	300 2.07	1-11.5NPT Rp1-ISO7/1	165 6.5	130 5.12	130 5.12	60 2.36	UL FM

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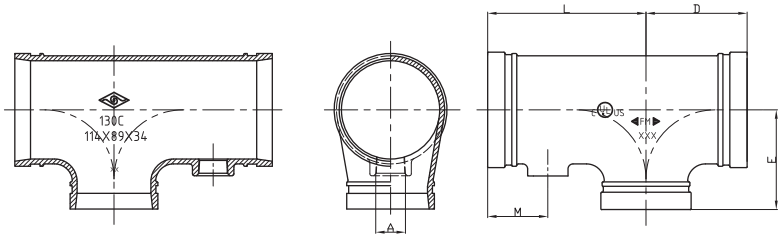
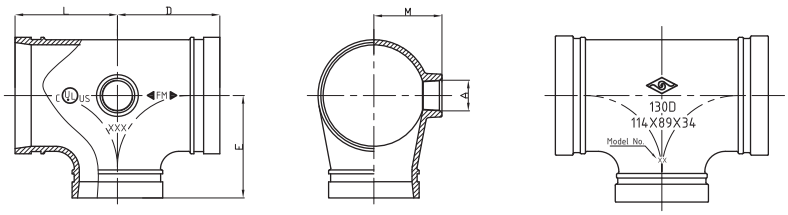


UV32

Redüksiyon Te
Reducing Tee

Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions					Sertifika Certificate
			A	L mm/in	D mm/in	E mm/in	M mm/in	
100X80X25 4X3X1	114.3X88.9X33.7 4.5X3.5X1.327	300 2.07	1-11.5NPT Rp1-ISO7/1	102 4.02	102 4.02	102 4.02	67 2.638	UL FM
150X80X25 6X3X1	165.1X88.9X33.7 6.5X3.5X1.327	300 2.07	1-11.5NPT Rp1-ISO7/1	130 5.12	130 5.12	130 5.12	91 3.58	UL FM

c UL us LISTED FM APPROVED



UV33

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Tee

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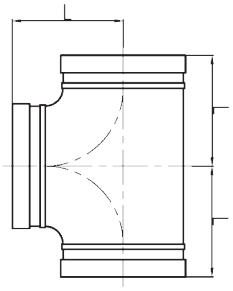
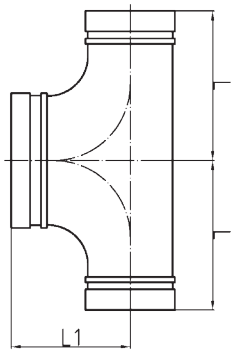


Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions L mm/in	Sertifika Certificate
50 2	57.0 2.244	300 2.07	70 2.75	-
50 2	60.3 2.375	300 2.07	70 2.75	UL FM
65 2½	73.0 2.875	300 2.07	76 3.00	UL FM
65 2½	76.1 3.000	300 2.07	76 3.00	UL FM
80 3	88.9 3.500	300 2.07	85.5 3.37	UL FM
100 4	108.0 4.500	500 3.45	101 3.98	UL FM
100 4	114.3 4.500	300 2.07	101 3.98	UL FM
125 5	139.7 5.500	300 2.07	124 4.88	UL FM
150 6	159.0 6.500	300 2.07	140 5.50	UL FM
150 6	165.1 6.500	300 2.07	140 5.50	UL FM
150 6	168.3 6.625	300 2.07	140 5.50	UL FM
200 8	216.3 8.625	300 2.07	175 6.89	UL FM
200 8	219.1 8.625	300 2.07	175 6.89	UL FM

UV34

Redüksiyon Te
Reducing Tee



Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler Dimensions L mm/in	Ölçüler Dimensions L1 mm/in	Sertifika Certificate
65×65×80 2½×2½×3	76.1×76.1×88.9 3.000×3.000×3.500	500 3.45	108 4.25	95 3.74	-
65×65×100 2½×2½×4	76.1×76.1×114.3 3.000×3.000×4.500	500 3.45	127 5.00	102 4.02	-
80×80×100 3×3×4	88.9×88.9×114 3.500×3.500×4.500	500 3.45	127 5.00	102 4.02	-

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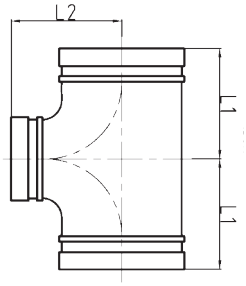

Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler Dimensions L1 mm/in	Ölçüler Dimensions L2 mm/in	Sertifika Certificate
50×25 2×1	60.3×33.7 2.375×1.315	500 3.45	70 2.75	70 2.75	UL FM
50×40 2×1½	60.3×48.3 2.375×1.900	500 3.45	70 2.75	70 2.75	UL FM
65×40 2½×1½	73.0×48.3 2.875×1.900	500 3.45	76 3.00	76 3.00	UL FM
65×50 2½×2	73.0×60.3 2.875×2.375	500 3.45	69 2.72	76 3.00	UL FM
65×32 2½×1¼	76.1×42.4 3.000×1.660	500 3.45	76 3.00	76 3.00	UL FM
65×40 2½×1½	76.1×48.3 3.000×1.900	500 3.45	76 3.00	76 3.00	UL FM
65×50 2½×2	76.1×60.3 3.000×2.375	500 3.45	69 2.72	76 3.00	UL FM
80×32 3×1	88.9×33.7 3.500×1.315	500 3.45	108 4.25	108 4.25	UL FM
80×32 3×1¼	88.9×42.4 3.500×1.660	500 3.45	85.5 3.37	85.5 3.37	UL FM
80×40 3×1½	88.9×48.3 3.500×1.900	500 3.45	85.5 3.37	85.5 3.37	UL FM
80×50 3×2	88.9×60.3 3.500×2.375	500 3.45	85.5 3.37	85.5 3.37	UL FM
80×65 3×2½	88.9×73.0 3.500×2.875	500 3.45	85.5 3.37	85.5 3.37	UL FM
80×65 3×2½	88.9×76.1 3.500×3.000	500 3.45	85.5 3.37	85.5 3.37	UL FM
100×50 4×2	108.0×60.3 4.250×2.375	500 3.45	101 3.98	101 3.98	UL FM
100×80 4×3	108.0×88.9 4.250×3.500	500 3.45	101 3.98	101 3.98	UL FM
100×25 4×1	114.3×33.7 4.500×1.315	500 3.45	101 3.98	101 3.98	UL FM
100×40 4×1½	114.3×48.3 4.500×1.900	500 3.45	101 3.98	101 3.98	UL FM
100×50 4×2	114.3×60.3 4.500×2.375	500 3.45	101 3.98	101 3.98	UL FM
100×65 4×21/2	108.0×73.0 4.250×2.875	500 3.45	101 3.98	101 3.98	UL FM
100×65 4×2½	114.3×73.0 4.500×2.875	500 3.45	101 3.98	101 3.98	UL FM
100×65 4×2½	114.3×76.1 4.500×3.000	500 3.45	101 3.98	101 3.98	UL FM
100×80 4×3	114.3×88.9 4.500×3.500	500 3.45	101 3.98	101 3.98	UL FM
125×50 5×2	133.0×60.3 5.250×2.375	500 3.45	124 4.88	124 4.88	UL FM
125×65 5×2½	133.0×76.1 5.250×3.000	500 3.45	124 4.88	124 4.88	UL FM
125×100 5×4	133.0×108.0 5.250×4.250	500 3.45	124 4.88	124 4.88	UL FM
125×100 5×4	133.0×114.3 5.250×4.500	500 3.45	124 4.88	124 4.88	UL FM
125×40 5×1½	139.7×48.3 5.500×1.900	500 3.45	124 4.88	124 4.88	UL FM
125×50 5×2	139.7×60.3 5.500×2.375	500 3.45	124 4.88	124 4.88	UL FM
125×65 5×2½	139.7×76.1 5.500×3.000	500 3.45	124 4.88	124 4.88	UL FM
125×80 5×3	139.7×88.9 5.500×3.500	500 3.45	124 4.88	124 4.88	UL FM
125×100 5×4	139.7×114.3 5.500×4.500	500 3.45	124 4.88	124 4.88	UL FM
125×50 5×2	141.3×60.3 5.563×2.375	500 3.45	124 4.88	124 4.88	UL FM
125×80 5×3	141.3×88.9 5.563×3.500	500 3.45	124 4.88	124 4.88	UL FM
125×100 5×4	141.3×114.3 5.563×4.500	500 3.45	124 4.88	124 4.88	UL FM
150×60 6×2	159.0×60.3 6.250×2.375	500 3.45	140 5.50	140 5.50	UL FM
150×65 6X2½	159.0×76.1 6.250×3.000	500 3.45	140 5.50	140 5.50	UL FM
150×80 6×3	159.0×88.9 6.250×3.500	500 3.45	140 5.50	140 5.50	UL FM
150×100 6×4	159.0×108.0 6.250×4.250	500 3.45	140 5.50	140 5.50	UL
150×100 6×4	159.0×114.3 6.250×4.500	500 3.45	140 5.50	140 5.50	UL FM
150×125 6×5	159.0×133.0 6.250×5.250	500 3.45	140 5.50	140 5.50	UL FM

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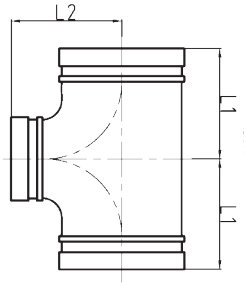

Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler Dimensions L1 mm/in	Ölçüler Dimensions L2 mm/in	Sertifika Certificate
150×50 6×2	165.1×60.3 6.500×2.375	300 2.07	140 5.50	140 5.50	UL FM
150×65 6×2½	165.1×76.1 6.500×3.000	300 2.07	140 5.50	140 5.50	UL FM
150×80 6×3	165.1×88.9 6.500×3.500	300 2.07	140 5.50	140 5.50	UL FM
150×100 6×4	165.1×114.3 6.500×4.500	300 2.07	140 5.50	140 5.50	UL FM
150×125 6×5	165.1×139.7 6.500×5.500	300 2.07	140 5.50	140 5.50	UL FM
165×133	165.1×133.0 6.500×5.250	300	140 5.50	140 5.50	FM
150×50 6×2	168.3×60.3 6.625×2.375	500 3.45	140 5.50	140 5.50	UL FM
150×65 6×2½	168.3×73.0 6.625×2.875	500 3.45	140 5.50	140 5.50	UL FM
150×65 6×2½	168.3×76.1 6.625×3.000	500 3.45	140 5.50	140 5.50	UL FM
150×80 6×3	168.3×88.9 6.625×3.500	500 3.45	140 5.50	140 5.50	UL FM
150×100 6×4	168.3×114.3 6.625×4.500	500 3.45	140 5.50	140 5.50	UL FM
150×125 6×5	168.3×139.7 6.625×5.500	300 2.07	140 5.50	140 5.50	UL FM
150×125 6×5	168.3×141.3 6.625×5.563	300 2.07	140 5.50	140 5.50	UL FM
200×100 8×4	216.3×114.3 8.516×4.500	300 2.07	175 6.89	175 6.89	FM
200×150 8×6	216.3×165.1 8.516×6.500	300 2.07	175 6.89	175 6.89	UL FM
200×50 8×2	219.1×60.3 8.625×2.375	500 3.45	175 6.89	175 6.89	UL FM
200×65 8×2½	219.1×76.1 8.625×3.000	300 2.07	175 6.89	175 6.89	UL FM
200×80 8×3	219.1×88.9 8.625×3.500	500 3.45	175 6.89	175 6.89	UL FM
200×100 8×4	219.1×108.0 8.625×4.250	500 3.45	175 6.89	175 6.89	UL FM
200×100 8×4	219.1×114.3 8.625×4.500	500 3.45	175 6.89	175 6.89	UL FM
200×125 8×5	219.1×133.0 8.625×5.250	300 2.07	175 6.89	175 6.89	UL FM
200×125 8×5	219.1×139.7 8.625×5.500	300 2.07	175 6.89	175 6.89	UL FM
200×150 8×6	219.1×159.0 8.625×6.250	300 2.07	175 6.89	175 6.89	UL FM
200×150 8×6	219.1×165.1 8.625×6.500	300 2.07	175 6.89	175 6.89	UL FM
200×150 8×6	219.1×168.3 8.625×6.625	500 3.45	175 6.89	175 6.89	UL FM
219×65 8×21/2	219.1×73.0 8.625×2.875	300 207	175 6.89	175 6.89	UL FM
250×100 10×4	273.0×114.3 10.750×4.500	500 3.45	228.6 9.00	228.6 9.00	UL FM
250×150 10×6	273.0×159.0 10.750×6.250	500 3.45	229 9.00	229 9.00	-
250×150 10×6	273.0×165.1 10.750×6.500	300 2.07	229 9.00	229 9.00	FM
250×150 10×6	273.0×168.3 10.750×6.625	300 2.07	229 9.00	229 9.00	FM
250×200 10×8	273.0×219.1 10.750×8.625	300 2.07	229 9.00	229 9.00	FM
300×65 12×2½	323.9×73.0 12.750×2.875	300 2.07	254 10	254 10	-
300×80 12×3	323.9×88.9 12.750×3.500	300 2.07	254 10	254 10	-
300×150 12×6	323.9×165.1 12.750×6.500	300 2.07	254 10	254 10	FM
300×150 12×6	323.9×168.3 12.750×6.625	300 2.07	254 10	254 10	FM
300×200 12×8	323.9×219.1 12.750×8.625	300 2.07	254 10	254 10	FM
300×250 12×10	323.9×273.0 12.750×10.750	300 2.07	254 10	254 10	FM
450×300 18×12	480.0×323.9 18.897×12.750	300 2.07	335 13.188	335 13.188	-
450×350 18×14	480.0×377.0 18.897×14.840	300 2.07	335 13.188	335 13.188	-
350×150 14×6	355.6×168.3 14.000×6.625	300 2.07	279 10.98	238 9.37	-

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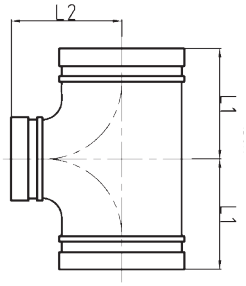

Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler Dimensions L1 mm/in	Ölçüler Dimensions L2 mm/in	Sertifika Certificate
350×200 14×8	355.6×219.1 14.00×8.625	300 2.07	280 11.02	280 11.02	-
350×250 14×10	355.6×273.0 14.000×10.750	300 2.07	279 10.98	257 10.12	-
350×300 14×12	355.6×323.9 14.000×12.750	300 2.07	279 10.98	270 10.63	-
350×125 14×5	377.0×133.0 14.840×5.250	300 2.07	240 9.45	265 10.43	-
350×150 14×6	377.0×159.0 14.840×6.250	300 2.07	240 9.45	265 10.43	-
350×200 14×8	377.0×219.1 14.840×8.625	300 2.07	240 9.45	265 10.43	-
350×250 14×10	377.0×273.0 14.840×10.750	300 2.07	240 9.45	265 10.43	-
350×300 14×12	377.0×323.9 14.840×12.750	300 2.07	240 9.45	265 10.43	-
400×150 16×6	406.4×168.3 16.000×6.625	300 2.07	305 12.01	264 10.39	-
400×200 16×8	406.4×219.1 16.000×8.625	300 2.07	305 12.01	273 10.75	-
400×250 16×10	406.4×273.0 16.000×10.750	300 2.07	305 12.01	283 11.14	-
400×300 16×12	406.4×323.9 16.000×12.750	300 2.07	305 12.01	295 11.61	-
400×350 16×14	406.4×355.6 16.000×14.000	300 2.07	305 12.01	305 12.01	-
400×125 16×5	426.0×133.0 16.772×5.250	300 2.07	260 10.24	285 11.22	-
400×150 16×6	426.0×159.0 16.772×6.250	300 2.07	260 10.24	285 11.22	-
400×200 16×8	426.0×219.1 16.772×8.625	300 2.07	260 10.24	285 11.22	-
400×250 16×10	426.0×273.0 16.772×10.750	300 2.07	260 10.24	285 11.22	-
400×300 16×12	426.0×323.9 16.772×12.750	300 2.07	260 10.24	285 11.22	-
450×150 18×6	457.2×168.3 18.000×6.625	300 2.07	343 13.50	298 11.73	-
450×200 18×8	457.2×219.1 18.000×8.625	300 2.07	343 13.50	298 11.73	-
450×250 18×10	457.2×273.0 18.000×10.750	300 2.07	343 13.50	308 12.13	-
450×300 18×12	457.2×323.9 18.000×12.750	300 2.07	343 13.50	321 12.64	-
450×350 18×14	457.2×355.6 18.000×14.000	300 2.07	343 13.50	330 12.99	-
450×400 18×16	457.2×406.4 18.000×16.000	300 2.07	343 13.50	330 12.99	-
500×150 20×6	508.0×168.3 20.000×6.625	300 2.07	381 15.00	324 12.76	-
500×200 20×8	508.0×219.1 20.000×8.625	300 2.07	381 15.00	324 12.76	-
500×250 20×10	508.0×273.0 20.000×10.750	300 2.07	381 15.00	333 13.11	-
500×300 20×12	508.0×323.9 20.000×12.750	300 2.07	381 15.00	346 13.62	-
500×350 20×14	508.0×355.6 20.000×14.000	300 2.07	381 15.00	356 14.02	-
500×400 20×16	508.0×406.4 20.000×16.000	300 2.07	381 15.00	356 14.02	-
500×450 20×18	508.0×457.2 20.000×18.000	300 2.07	381 15.00	368 14.49	-
600×150 24×6	609.6×168.3 24.000×6.625	300 2.07	432 17.01	384 15.12	-
600×200 24×8	609.6×219.1 24.000×8.625	300 2.07	432 17.01	384 15.12	-
600×250 24×10	609.6×273.0 24.000×10.750	300 2.07	432 17.01	384 15.12	-
600×300 24×12	609.6×323.9 24.000×12.750	300 2.07	432 17.01	397 15.63	-
600×350 24×14	609.6×355.6 24.000×14.000	300 2.07	432 17.01	406 15.98	-
600×400 24×16	609.6×406.4 24.000×16.000	300 2.07	432 17.01	406 15.98	-
600×450 24×18	609.6×457.2 24.000×18.000	300 2.07	432 17.01	419 16.50	-
600×500 24×20	609.6×508.0 24.000×20.000	300 2.07	432 17.01	432 17.01	-

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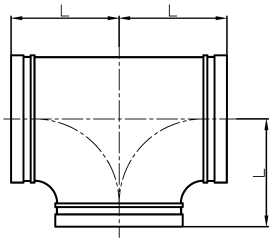
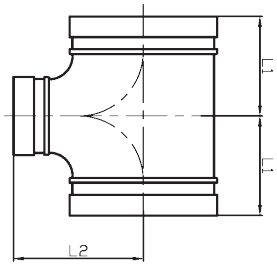


Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions L mm/in	Sertifika Certificate
80 3	88.9 3.5	300 2.07	80.5 3.17	UL FM
100 4	108.0 4.25	300 2.07	92 3.62	UL FM
100 4	114.3 4.5	300 2.07	96 3.78	UL FM
125 5	133.0 5.250	300 2.07	109 4.29	UL FM
125 5	139.7 5.500	300 2.07	116 4.57	UL FM
125 5	141.3 5.563	300 2.07	116 4.57	-
150 6	159.0 6.500	300 2.07	121.5 4.78	UL FM
150 6	165.1 6.500	300 2.07	130 5.12	UL FM
150 6	168.3 6.625	300 2.07	130 5.12	UL FM
200 8	219.1 8.625	300 2.07	164 6.45	UL FM
250 10	273.0 10.750	300 2.07	204 8.03	UL FM
300 12	323.9 12.750	300 2.07	230 9.05	UL FM

unival

Redüksiyon Te
Reducing Tee

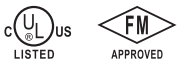
c UL us LISTED FM APPROVED

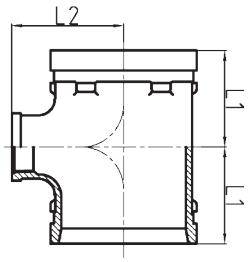


Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler Dimensions L1 mm/in	Ölçüler Dimensions L2 mm/in	Sertifika Certificate
80×65 3×2½	88.9×73.0 3.500×2.875	300 2.07	75.5 2.97	84.5 3.33	UL FM
80×65 3×2½	88.9×76.1 3.500×3.000	300 2.07	75.5 2.97	84.5 3.33	UL FM
100×50 4×2	114.3×60.3 4.500×2.375	300 2.07	71 2.80	98 3.86	UL FM
100×65 4×2½	114.3×73.0 4.500×2.875	300 2.07	77.5 3.05	98 3.86	UL FM
100×65 4×2½	114.3×76.1 4.500×3.000	300 2.07	77.5 3.05	98 3.86	-
100×80 4×3	114.3×88.9 4.500×3.500	300 2.07	86.5 3.41	98 3.86	UL FM
125×100 5×4	139.7×114.3 5.500×4.500	300 2.07	100 3.94	116 4.57	UL FM
125×100 5×4	141.3×114.3 5.563×4.500	300 2.07	100 3.94	116 4.57	UL FM
150×80 6×3	159.0×88.9 6.250×3.500	300 2.07	86.5 3.41	120 4.72	UL FM
150×100 6×4	159.0×108.0 6.250×4.250	300 2.07	96 3.78	121.5 4.78	UL FM
150×100 6×4	159.0×114.3 6.250×4.500	300 2.07	100 3.94	121.5 4.78	UL FM
150×125 6×5	159.0×133.0 6.250×4.250	300 2.07	109 4.29	121.5 4.78	UL FM
150X125 6X5	159.0X133.0 6.250X5.250	300 2.07	109 4.29	121.5 4.78	UL FM
150×50 6×2	165.1×60.3 6.500×2.375	300 2.07	71 2.80	126 4.96	UL FM
150×65 6×2½	165.1×76.1 6.500×3.000	300 2.07	77.5 3.05	128 5.04	UL FM
150×80 6×3	165.1×88.9 6.500×3.500	300 2.07	86.5 3.41	128 5.04	UL FM
150×100 6×4	165.1×114.3 6.500×4.500	300 2.07	100 3.94	120 4.72	UL FM
150×125 6×5	165.1×139.7 6.500×5.500	300 2.07	116 4.57	130 5.12	UL FM
150×50 6×2	168.3×60.3 6.625×2.375	300 2.07	71 2.80	126 4.96	UL FM
150×65 6×2½	168.3×73.0 6.625×2.875	300 2.07	77.5 3.05	128 5.04	UL FM
150×65 6×2½	168.3×76.1 6.625×3.000	300 2.07	77.5 3.05	128 5.04	UL FM
150×80 6×3	168.3×88.9 6.625×3.500	300 2.07	86.5 3.41	128 5.04	UL FM
150×100 6×4	168.3×114.3 6.625×4.500	300 2.07	100 3.94	130 5.12	UL FM
150×125 6×5	168.3×139.7 6.625×5.500	300 2.07	116 4.57	130 5.12	UL FM
150×125 6×5	168.3×141.3 6.625×5.563	300 2.07	116 4.57	130 5.12	UL FM
200×65 8×2½	219.1×76.1 8.625×3.000	300 2.07	82 3.23	154 6.06	UL FM
200×80 8×3	219.1×88.9 8.625×3.500	300 2.07	91 3.58	154 6.06	UL FM
200×100 8×4	219.1×114.3 8.625×4.500	300 2.07	105 4.13	151 5.94	UL FM
200×125 8×5	219.1×133.0 8.625×5.250	300 2.07	118 4.65	158 6.22	-
200×125 8×5	219.1×139.7 8.625×5.500	300 2.07	120 4.72	158 6.22	UL FM
200×150 8×6	219.1×159.0 8.625×6.250	300 2.07	125.5 4.94	160 6.30	UL FM
200×150 8×6	219.1×165.1 8.625×6.500	300 2.07	134 5.28	160 6.30	UL FM
200×150 8×6	219.1×168.3 8.625×6.625	300 2.07	134 5.28	160 6.30	UL FM
250×150 10×6	273.0×159.0 10.750×6.250	300 2.07	136 5.35	187 7.36	UL FM
250×150 10×6	273.0×165.1 10.750×6.500	300 2.07	136 5.35	187 7.36	UL FM
250×150 10×6	273.0×168.3 10.750×6.625	300 2.07	136 5.35	187 7.36	UL FM
250×200 10×8	273.0×219.1 10.750×8.625	300 2.07	166 6.54	191 7.52	UL FM
300×100 12×4	323.9×114.3 12.750×4.500	300 2.07	136 5.35	214 8.43	UL FM
300×150 12×6	323.9×159.0 12.750×6.250	300 2.07	136 5.35	214 8.43	UL FM
300×150 12×6	323.9×165.1 12.750×6.500	300 2.07	136 5.35	213 8.39	UL FM
300×200 12×8	323.9×219.1 12.750×8.625	300 2.07	166 6.54	217 8.54	UL FM
300×250 12×10	323.9×273.0 12.750×10.750	300 2.07	194 7.64	218 8.58	UL FM

unival

Dişli Redüksiyon Te
Reducing Tee
with Female Thread



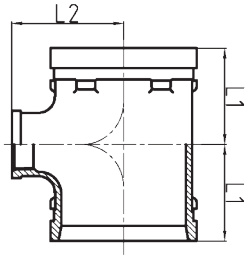


Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler Dimensions L1 mm/in	Ölçüler Dimensions L2 mm/in	Sertifika Certificate
50×25 2×1	60.3×33.7 2.375×1.315	500 3.45	70 2.75	70 2.75	UL FM
50×32 2×1¼	60.3×42.4 2.375×1.660	500 3.45	70 2.75	70 2.75	UL FM
50×40 2×1½	60.3×48.3 2.375×1.900	500 3.45	70 2.75	70 2.75	UL FM
50×50×65 2×2×2½	60.3×60.3×76.1 2.375×2.375×3.000	300 2.07	66 2.59	76 2.99	-
50×50×80 2×2×3	60.3×60.3×88.9 2.375×2.375×3.500	300 2.07	70 2.755	80 3.149	-
65×25 2½×1	73.0×33.7 2.875×1.315	500 3.45	76 3.00	76 3.00	UL FM
65×40 2½×1½	73.0×48.3 2.875×1.900	300 2.07	76 3.00	76 3.00	UL FM
65×32 2½×1¼	73.0×42.4 2.875×1.660	500 3.45	76 3.00	76 3.00	UL FM
65×25 2½×1	76.1×33.7 3.000×1.315	500 3.45	76 3.00	76 3.00	UL FM
65×32 2½×1¼	76.1×42.4 3.000×1.660	500 3.45	76 3.00	76 3.00	UL FM
65×40 2½×1½	76.1×48.3 3.000×1.900	500 3.45	76 3.00	76 3.00	UL FM
65×50 2½×2	76.1×60.3 3.000×2.375	500 3.45	76 3.00	76 3.00	UL FM
80×25 3×1	88.9×33.7 3.500×1.315	500 3.45	85.5 3.37	85.5 3.37	UL FM
80×32 3×1¼	88.9×42.4 3.500×1.660	500 3.45	85.5 3.37	85.5 3.37	UL FM
80×40 3×1½	88.9×48.3 3.500×1.900	500 3.45	85.5 3.37	85.5 3.37	UL FM
80×50 3×2	88.9×60.3 3.500×2.375	500 3.45	85.5 3.37	85.5 3.37	UL FM
80×65 3×2½	88.9×76.1 3.500×3.000	500 3.45	85.5 3.37	85.5 3.37	UL FM
100×65 4×2½	108.0×76.1 4.250×3.000	300 2.07	100 3.94	96 3.78	UL FM
100×80 4×3	108.0×88.9 4.250×3.500	300 2.07	100 3.94	96 3.78	UL FM
100×65 4×2½	114.3×76.1 4.500×3.000	300 2.07	100 3.94	96 3.78	UL FM
100×80 4×3	114.3×88.9 4.500×3.500	300 2.07	100 3.94	96 3.78	UL FM
200×50 8×2	219.1×60.3 8.625×2.375	300 2.07	175 6.89	175 6.89	FM
200×65 8×2½	219.1×76.1 8.625×3.000	300 2.07	175 6.89	175 6.89	FM
200×80 8×3	219.1×88.9 8.625×3.500	300 2.07	175 6.89	175 6.89	FM

unival

Dişli Redüksiyon Te
Reducing Tee
with Female Thread

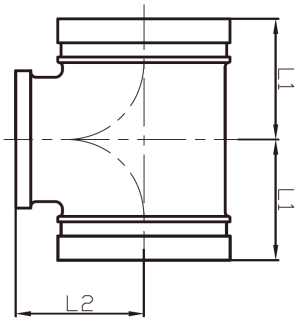
c UL us LISTED FM APPROVED



Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler Dimensions L1 mm/in	Ölçüler Dimensions L2 mm/in	Sertifika Certificate
65×50 2½×2	73.0×60.3 2.875×2.375	500 3.45	76 3.00	76 3.00	UL FM
100×25 4×1	114.3×33.7 4.500×1.315	300 2.07	76 2.99	88 3.47	UL FM
100×32 4×1¼	114.3×42.4 4.500×1.660	300 2.07	76 2.99	88 3.47	UL FM
100×40 4×1½	114.3×48.3 4.500×1.900	300 2.07	85 3.35	91 3.58	UL FM
100×50 4×2	108.0×60.3 4.250×2.375	300 2.07	85 3.35	91 3.58	UL FM
100×50 4×2	114.3×60.3 4.500×2.375	300 2.07	85 3.35	91 3.58	UL FM
125×50 5×2	133.0×60.3 5.250×2.375	300 2.07	86 3.39	106 4.17	UL FM
125×65 5×2½	133.0×76.1 5.250×3.000	300 2.07	102 4.02	111 4.37	UL FM
125×80 5×3	133.0×88.9 5.250×3.500	300 2.07	102 4.02	111 4.37	UL FM
125×25 5×1	139.7×33.7 5.500×1.315	300 2.07	78 3.07	103 4.06	UL FM
125×32 5×1¼	139.7×42.4 5.500×1.660	300 2.07	78 3.07	103 4.06	UL FM
125×40 5×1½	139.7×48.3 5.500×1.900	300 2.07	86 3.39	106 4.17	UL FM
125×50 5×2	139.7×60.3 5.500×2.375	300 2.07	86 3.39	106 4.17	UL FM
125×65 5×2½	139.7×76.1 5.500×3.000	300 2.07	102 4.02	111 4.37	UL FM
125×80 5×3	139.7×88.9 5.500×3.500	300 2.07	102 4.02	111 4.37	UL FM
150×60 6×2	159.0×60.3 6.250×2.375	300 2.07	92 3.62	124 4.88	UL FM
150×65 6×2½	159.0×76.1 6.250×3.000	300 2.07	107 4.21	129 5.08	UL FM
150×80 6×3	159.0×88.9 6.25×03.500	300 2.07	107 4.21	129 5.08	UL FM
150×25 6×1	165.1×33.7 6.500×1.315	300 2.07	83 3.27	121 4.76	UL FM
150×32 6×1¼	165.1×42.4 6.500×1.660	300 2.07	83 3.27	121 4.76	UL FM
150×40 6×1½	165.1×48.3 6.500×1.900	300 2.07	92 3.62	124 4.88	UL FM
150×50 6×2	165.1×60.3 6.500×2.375	300 2.07	92 3.62	124 4.88	UL FM
150×65 6×2½	165.1×76.1 6.500×3.000	300 2.07	107 4.21	129 5.08	UL FM
150×80 6×3	165.1×88.9 6.500×3.500	300 2.07	107 4.21	129 5.08	UL FM
150×50 6×2	168.3×60.3 6.625×2.375	300 2.07	92 3.62	124 4.88	UL FM
150×65 6×2½	168.3×76.1 6.625×3.000	300 2.07	107 4.21	129 5.08	UL FM
150×80 6×3	168.3×88.9 6.625×3.500	300 2.07	107 4.21	129 5.08	FM
200×100 8×4	219.1×114.3 8.625×4.500	300 2.07	175 6.89	175 6.89	UL FM

Dişli Redüksiyon Te
Slim Type Reducing Tee with Female Thread

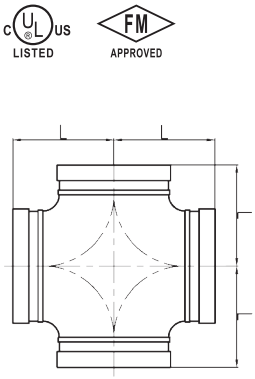
LISTED APPROVED



Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler Dimensions L1 mm/in	Ölçüler Dimensions L2 mm/in	Sertifika Certificate
50×25 2×1	60.3×33.7 2.375×1.315	300 2.07	58 2.28	55 2.17	UL FM
50×40 2×1½	60.3×48.3 2.375×1.900	300 2.07	63.5 2.50	53 2.09	UL FM
65×40 2½×1½	73.1×48.3 2.878×1.900	300 2.07	65.5 2.58	64.5 2.54	UL FM
65×50 2½×2	73.1×60 2.878×2.375	300 2.07	72.5 2.85	66 2.60	UL FM
65×40 2½×1½	73.0×48.3 2.875×1.900	300 2.07	65.5 2.58	64.5 2.54	UL FM
65×40 2½×1½	76.1×48.3 3.000×1.900	300 2.07	65.5 2.58	64.5 2.54	UL FM
65×50 2½×2	73.0×60.3 2.875×2.375	300 2.07	72.5 2.85	66 2.60	UL FM
65×50 2½×2	76.1×60 3.000×2.375	300 2.07	72.5 2.85	66 2.60	UL FM
80×25 3×1	88.9×33.7 3.500×1.315	300 2.07	58 2.28	68 2.68	UL FM
80×40 3×1½	88.9×48.3 3.500×1.900	300 2.07	65 2.56	72 2.83	UL FM
80×50 3×2	88.9×60.3 3.500×2.375	300 2.07	72.5 2.86	72.5 2.86	UL FM
100×65 4×2½	108.0×76.1 4.250×3.000	300 2.07	83 3.27	88 3.46	UL FM
100×50 4×2	114.3×60.3 4.500×2.375	300 2.07	76 2.99	85 3.35	UL FM
100×65 4×2½	114.3×76.1 4.500×3.000	300 2.07	80 3.15	85 3.35	UL FM
100×80 4×3	114.3×88.9 4.500×3.500	300 2.07	90.5 3.56	93 3.66	UL FM
150×50 6×2	165.1×60.3 6.500×2.375	300 2.07	75 2.95	105 4.13	UL FM
150×65 6×2½	165.1×76.1 6.500×3.000	300 2.07	86 3.39	121 4.76	UL FM
150×80 6×3	165.1×88.9 6.500×3.500	300 2.07	93 3.66	123 4.84	UL FM
150×80 6×3	168.3×88.9 6.625×3.500	300 2.07	93 3.66	123 4.84	UL FM
150×100 6×4	165.1×114.3 6.500×4.500	300 2.07	103.5 4.07	118 4.65	UL FM
150×50 6×2	168.3×60.3 6.625×2.375	300 2.07	75 2.95	105 4.13	UL FM
150×65 6×2½	168.3×76.1 6.625×3.000	300 2.07	86 3.39	121 4.76	UL FM
150×80 6×3	168.3×88.9 6.625×3.500	300 2.07	93 3.66	123 4.84	UL FM
150×100 6×4	168.3×114.3 6.625×4.500	300 2.07	103.5 4.07	118 4.65	UL FM
200×65 8×2½	219.1×76.1 8.625×3.000	300 2.07	88 3.46	137 5.39	UL FM
200×100 8×4	219.1×114.3 8.625×4.500	300 2.07	111 4.37	145 5.71	UL FM

UV40

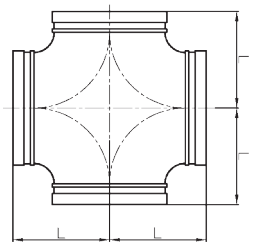
Kruva
Cross



Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions L mm/in	Sertifika Certificate
32 1¼	42.4 1.660	500 3.45	70 2.75	UL FM
40 1½	48.3 1.900	500 3.45	70 2.75	UL FM
50 2	60.3 2.375	500 3.45	70 2.75	UL FM
65 2½	73.0 2.875	500 3.45	76 3.00	UL FM
65 2½	76.1 3.000	500 3.45	76 3.00	UL FM
80 3	88.9 3.500	500 3.45	85.5 3.37	UL FM
100 4	108.0 4.250	500 3.45	101 3.98	UL FM
100 4	114.3 4.500	500 3.45	101 3.98	UL FM
125 5	139.7 5.500	500 3.45	124 4.88	UL FM
125 5	141.3 5.563	500 3.45	124 4.88	UL FM
150 6	159.0 6.250	500 3.45	140 5.50	UL FM
150 6	165.1 6.500	500 3.45	140 5.50	UL FM
150 6	168.3 6.625	500 3.45	140 5.50	UL FM
200 8	219.1 8.625	500 3.45	175 6.89	UL FM
250 10	273.0 10.750	500 3.45	229 9.00	UL FM
300 12	323.9 12.750	500 3.45	254 10.00	UL FM
350 14	355.6 14.000	300 2.07	279 10.98	-
350 14	377.0 14.84	300 2.07	279 10.98	-
400 16	406.4 16.000	300 2.07	305 12.01	-
450 18	457.2 18.000	300 2.07	343 13.5	-
500 20	508.0 20.000	300 2.07	381 15.00	-
600 24	609.6 24.000	300 2.07	432 17.01	-

UV41

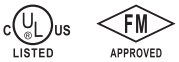
Kruva
Cross

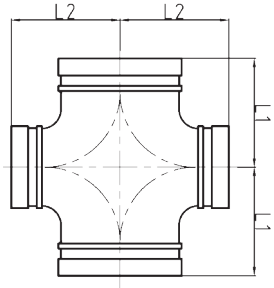


Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions L mm/in	Sertifika Certificate
150 6	159.0 6.250	300 2.07	121.5 4.78	UL FM
150 6	165.1 6.500	300 2.07	130 5.12	UL FM
150 6	168.3 6.625	300 2.07	130 5.12	UL FM
200 8	219.1 8.625	300 2.07	164 6.45	UL FM

UV42

Redüksiyon Kruva
Reducing Cross

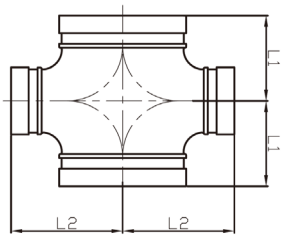




Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler Dimensions L1 mm/in	Ölçüler Dimensions L2 mm/in	Sertifika Certificate
65×50 2½×2	76.1×60.3 3.000×2.375	500 3.45	76 3.00	76 3.00	UL FM
80×50 3×2	88.9×60.3 3.500×2.375	500 3.45	85.5 3.37	85.5 3.37	UL FM
100×50 4×2	114.3×60.3 4.500×2.375	500 3.45	101 3.98	101 3.98	UL FM
100×80 4×3	114.3×88.9 4.500×3.500	500 3.45	101 3.98	101 3.98	UL FM
125×100 5×4	139.7×114.3 5.500×4.500	500 3.45	124 4.88	124 4.88	UL FM
159×108	159.0×108.0 6.250×4.250	500 3.45	124 4.88	124 5.50	UL FM
150×50 6×2	165.1×60.3 6.500×2.375	500 3.45	140 5.50	140 5.50	UL FM
150×65 6×2½	165.1×76.1 6.500×3.000	500 3.45	140 5.50	140 5.50	UL FM
150×80 6×3	165.1×88.9 6.500×3.500	500 3.45	140 5.50	140 5.50	UL FM
150×100 6×4	165.1×114.3 6.500×4.500	500 3.45	140 5.50	140 5.50	UL FM
150×50 6×2	168×60.3 6.625×2.375	500 3.45	140 5.50	140 5.50	UL FM
200×50 8×2	219.1×60.3 8.625×2.375	500 3.45	197 7.75	197 7.75	UL FM
200×100 8×4	219.1×108.0 8.625×4.250	500 3.45	175 6.89	175 6.89	-
200×100 8×4	219.1×114.3 8.625×4.500	500 3.45	175 6.89	175 6.89	UL FM
200×125 8×5	219.1×139.7 8.625×5.500	300 2.07	175 6.89	175 6.89	UL FM
200×150 8×6	219.1×159.0 8.625×6.250	300 2.07	175 6.89	175 6.89	UL FM
200×150 8×6	219.1×165.1 8.625×6.500	300 2.07	175 6.89	175 6.89	UL FM

UV43

Redüksiyon Kruva
Reducing Cross

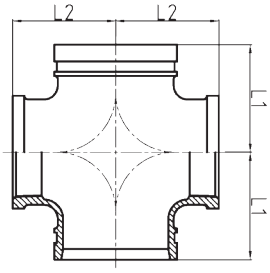


Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler Dimensions L1 mm/in	Ölçüler Dimensions L2 mm/in	Sertifika Certificate
150×100 6×4	165.1×114.3 6.500×4.500	300 2.07	100 3.94	130 5.12	UL FM
150×100 6×4	168.3×114.3 6.625×4.500	300 2.07	100 3.94	130 5.12	UL FM
200×150 8×6	219.1×159.0 8.625×6.250	300 2.07	125.5 4.94	160 6.30	-
200×150 8×6	219.1×165.1 8.625×6.500	300 2.07	134 5.27	160 6.30	UL FM
200×150 8×6	219.1×168.3 8.625×6.625	300 2.07	134 5.27	160 6.30	UL FM

UV44

Yivli X İç Dişli Redüksiyon Kruva
Reducing Cross
with Female Thread

c UL us LISTED FM APPROVED

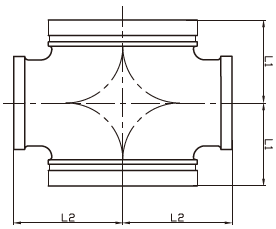


Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler Dimensions L1 mm/in	Ölçüler Dimensions L2 mm/in	Sertifika Certificate
65×50 2½×2	76.1×60.3 3.000×2.375	300 2.07	76 3.00	76 3.00	UL FM
80×32 3×1¼	88.9×42.4 3.500×1.660	300 2.07	108 4.25	108 4.25	-
80×40 3×1½	88.9×48.3 3.500×1.900	300 2.07	85.5 3.37	85.5 3.37	UL FM
80×50 3×2	88.9×60.3 3.500×2.375	300 2.07	85.5 3.37	85.5 3.37	UL FM
100×25 4×1	114.3×33.7 4.500×1.315	300 2.07	76 2.99	88 3.47	UL FM
100×32 4×1¼	114.3×42.4 4.500×1.660	300 2.07	76 2.99	88 3.47	UL FM
100×40 4×1½	114.3×48.3 4.500×1.900	300 2.07	85 3.35	91 3.58	UL FM
100×50 4×2	114.3×60.3 4.500×2.375	300 2.07	85 3.35	91 3.58	UL FM
100×65 4×2½	114.3×76.1 4.500×3.000	300 2.07	101 3.98	96 3.78	UL FM
100×80 4×3	114.3×88.9 4.500×3.500	300 2.07	101 3.98	96 3.78	UL FM
150×32 6×1¼	165.1×42.4 6.500×1.660	300 2.07	92 3.62	124 4.88	-
150×40 6×1½	165.1×48.3 6.500×1.900	300 2.07	92 3.62	124 4.88	UL FM
150×50 6×2	165.1×60.3 6.500×2.375	300 2.07	92 3.62	124 4.88	UL FM
150×65 6×2½	165.1X 76.1 6.500×3.000	300 2.07	140 5.50	140 5.50	-
150×80 6×3	165.1×88.9 6.500×3.500	300 2.07	140 5.50	140 5.50	-
200×80 8×3	219.1×88.9 8.625×3.500	300 2.07	175 6.89	175 6.89	-

UV45

Yivli X İç Dişli Redüksiyon Kruva
Slim Type Reducing Cross
with Female Thread

c UL us LISTED FM APPROVED



Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler Dimensions L1 mm/in	Ölçüler Dimensions L2 mm/in	Sertifika Certificate
150×80 6×3	165.1×88.9 6.500×3.500	300 2.07	93 3.66	123 4.84	UL FM
150X80 6X3	168.3X88.9 6.625X3.500	300 2.07	93 3.66	123 4.84	-

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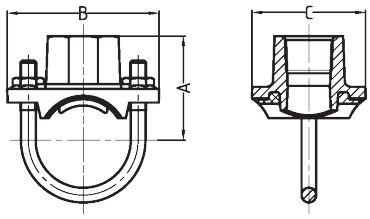
U Boltlu Mekanik Te
U-Bolt Mechanical Tee

c UL us LISTED FM APPROVED



Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Delik Çapı Hole Dia mm/in +1.6,0/+0.063,0	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions			U Civata Ölçüsü U Bolt Size mm/in	Sertifika Certificate
				A mm/in	B mm/in	C mm/in		
32X15 1¼X1/2	42.4X21.3 1.660X0.825	30 1.18	300 2.07	54.4 2.14	88.9 3.50	57.2 2.25	3/8X73 M10X73	UL FM
32X20 1¼X3/4	42.4X26.9 1.660X1.050	30 1.18	300 2.07	54.4 2.14	88.9 3.50	57.2 2.25	3/8X73 M10X73	UL FM
32X25 1¼X1	42.4X33.7 1.660X1.315	30 1.18	300 2.07	57.7 2.27	88.9 3.50	57.2 2.25	3/8X73 M10X73	UL FM
40X15 1½X1/2	48.3X21.3 1.900X0.825	30 1.18	300 2.07	57.7 2.27	88.9 3.50	57.2 2.25	3/8X73 M10X73	UL FM
40X20 1½X3/4	48.3X26.9 1.900X1.050	30 1.18	300 2.07	57.7 2.27	88.9 3.50	57.2 2.25	3/8X73 M10X73	UL FM
40X25 1½X1	48.3X33.7 1.900X1.315	30 1.18	300 2.07	60.8 2.39	88.9 3.50	57.2 2.25	3/8X73 M10X73	UL FM
50X15 2X1/2	60.3X21.3 2.375X0.825	30 1.18	300 2.07	63.3 2.49	95.3 3.75	57.2 2.25	3/8X90 M10X90	UL FM
50X20 2X3/4	60.3X26.9 2.375X1.050	30 1.18	300 2.07	63.3 2.49	95.3 3.75	57.2 2.25	3/8X90 M10X90	UL FM
50X25 2X1	60.3X33.7 2.375X1.315	30 1.18	300 2.07	66.6 2.62	96.3 3.75	57.2 2.25	3/8X90 M10X90	UL FM
50X32 2X11/4	60.3X42.4 2.375X1.660	45 1.75	300 2.07	66.6 2.62	120 4.72	76 3.00	1/2X52	-
65X15 2½X1/2	73.0X21.3 2.875X0.825	30 1.18	300 2.07	66.9 2.75	108.0 4.25	57.2 2.25	3/8X105 M10X105	UL FM
65X20 2½X3/4	73.0X26.9 2.875X1.050	30 1.18	300 2.07	66.9 2.75	108.0 4.25	57.2 2.25	3/8X105 M10X105	UL FM
65X25 2½X1	73.0X33.7 2.875X1.315	30 1.18	300 2.07	73.2 2.88	108.0 4.25	57.2 2.25	3/8X105 M10X105	UL FM
65X15 76.1X1/2	76.1X21.3 3.000X0.825	30 1.18	300 2.07	66.9 2.75	108.0 4.25	57.2 2.25	3/8X105 M10X105	UL FM
65X20 76.1X3/4	76.1X26.9 3.000X1.050	30 1.18	300 2.07	66.9 2.75	108.0 4.25	57.2 2.25	3/8X105 M10X105	UL FM
65X25 76.1X1	76.1X33.7 3.000X1.315	30 1.18	300 2.07	73.2 2.88	108.0 4.25	57.2 2.25	3/8X105 M10X105	UL FM
80X25 88.9X1	88.9X33.7 3.500X1.315	38 1.5	300 2.07	79 3.11	145 5.70	73 2.87	1/2X58	UL FM
100X25 4X1	114.3X33.7 4.500X1.315	30 1.18	300 2.07	89 3.50	185 7.28	72 2.83	1/2X70	FM
100X32 4X11/4	114.3X42.4 4.500X1.660	51 2	300 2.07	95 3.74	185 7.28	85 3.35	1/2X70	FM
100X40 4X11/2	114.3X48.3 4.500X1.900	51 2	300 2.07	95 3.74	185 7.28	85 3.35	1/2X70	FM
150X25 6X1	168.3X33.7 6.500X1.315	38 1.5	300 2.07	124 4.88	254 10.0	75 2.95	5/8X102	FM
150X32 6X1	168.3X42.4 6.500X1.660	51 2	300 2.07	120 4.72	254 10.0	88 3.46	5/8X102	FM
150X40 6X1	168.3X48.3 6.500X1.900	57 2.24	300 2.07	120 4.72	254 10.0	88 3.46	5/8X102 M16X102	FM

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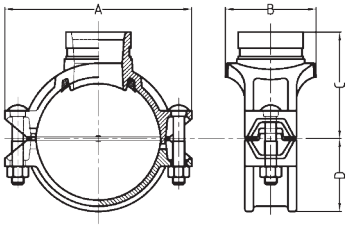
Yivli Mekanik Te
Mechanical Tee
Grooved Outlet

c UL us LISTED FM APPROVED

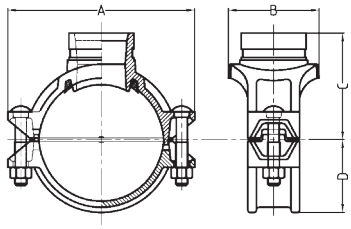


Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Delik Çapı Hole Dia mm/in +1.6,0/+0.063,0	Ölçüler/Dimensions				Civata Ölçüsü Bolt Size mm/in	Sertifika Certificate
				A mm/in	B mm/in	C mm/in	D mm/in		
50×32 2×1¼	60.3×42.4 2.375×1.660	400 2.76	45 1.75	116 4.57	76 2.99	69.5 2.74	39 1.54	3/8×55 M10X57	UL FM
50×40 2×1½	60.3×48.3 2.375×1.900	400 2.76	45 1.75	116 4.57	76 2.99	69.5 2.74	39 1.54	3/8×55 M10X57	UL FM
65×25 2½×1	73.0×33.7 2.875×1.315	300 2.07	38 1.50	137 5.39	71 2.80	78 3.07	49 1.93	1/2×70 M12X70	UL
65×32 2½×1¼	73.0×42.4 2.875×1.660	400 2.76	51 2.00	137 5.39	84.5 3.33	78 3.07	49 1.93	1/2×70 M12X70	UL FM
65×40 2½×1½	73.0×48.3 2.875×1.900	400 2.76	51 2.00	137 5.39	84.5 3.33	78 3.07	49 1.93	1/2×70 M12X70	UL FM
65×25 76.1×1	76.1×33.7 3.000×1.315	300 2.07	38 1.50	137 5.39	71 2.80	78 3.07	49.5 1.95	1/2×70 M12X70	UL FM
65×32 76.1×1¼	76.1×42.4 3.000×1.660	300 2.07	51 2.00	137 5.39	84.5 3.33	78 3.07	49.5 1.95	1/2×70 M12X70	UL FM
65×40 76.1×1½	76.1×48.3 3.000×1.900	300 2.07	51 2.00	137 5.39	84.5 3.33	78 3.07	49.5 1.95	1/2×70 M12X70	UL FM
80×25 3×1	88.9×33.7 3.500×1.315	300 2.07	38 1.50	152 5.98	72.5 2.85	84.5 3.33	56.5 2.22	1/2×75 M12X76	UL FM
80×32 3×1¼	88.9×42.4 3.500×1.660	400 2.76	51 2.00	152 5.98	85.5 3.37	84.5 3.33	56.5 2.22	1/2×75 M12X76	UL FM
80×40 3×1½	88.9×48.3 3.500×1.900	400 2.76	51 2.00	152 5.98	85.5 3.37	84.5 3.33	56.5 2.22	1/2×75 M12X76	UL FM
80×50 3×2	88.9×60.3 3.500×2.375	300 2.07	64 2.50	152 5.98	98 3.86	84.5 3.33	56.5 2.22	1/2×75 M12X76	UL FM
100×25 4×1	114.3×33.7 4.500×1.315	300 2.07	38 1.50	188 7.40	78.4 3.09	102 4.02	70 2.76	1/2×75 M12X76	UL FM
100×32 4×1¼	114.3X42.4 4.500×1.660	400 2.76	51 2.00	188 7.40	89 3.50	102 4.02	70 2.76	1/2×75 M12X76	UL FM
100×40 4×1½	114.3×48.3 4.500×1.900	400 2.76	51 2.00	188 7.40	89 3.50	102 4.02	70 2.76	1/2×75 M12X76	UL FM
100×50 4×2	114.3×60.3 4.500×2.375	300 2.07	64 2.5	188 7.40	104.5 4.11	102 4.02	70 2.76	1/2×75 M12X76	UL FM
100×65 4×2½	114.3×73.0 4.500×2.875	400 2.76	70 2.75	188 7.40	104.5 4.11	102 4.02	70 2.76	1/2×75 M12X76	UL FM
100×65 4×76.1	114.3×76.1 4.500×3.000	300 2.07	70 2.75	188 7.40	104.5 4.11	102 4.02	70 2.76	1/2×75 M12X76	UL FM
100×80 4×3	114.3×88.9 4.500×3.500	400 2.76	89 3.50	188 7.40	128 5.03	102 4.02	70 2.76	1/2×75 M12X76	UL FM
125×32 139.7×1¼	139.7×42.4 5.500×1.660	300 2.07	51 2.00	221.5 8.72	95 3.74	118 4.65	84 3.31	5/8×85 M16X85	UL FM
125×40 139.7×1½	139.7×48.3 5.500×1.900	300 2.07	51 2.00	221.5 8.72	95 3.74	118 4.65	84 3.31	5/8×85 M16X85	UL FM
125×50 139.7×2	139.7×60.3 5.500×2.375	300 2.07	64 2.5	221.5 8.72	112.5 4.43	118 4.65	84 3.31	5/8×85 M16X85	UL FM
125×65 139.7×76.1	139.7×76.1 5.500×3.000	300 2.07	70 2.75	221.5 8.72	112.5 4.43	118 4.65	84 3.31	5/8×85 M16X85	-
125×80 139.7×3	139.7×88.9 5.500×3.500	300 2.07	89 3.50	221.5 8.720	132 5.20	118 4.65	84 3.31	5/8×85 M16X85	UL FM
125×100 139.7×4	139.7×114.3 5.500×4.500	300 2.07	114 4.50	221.5 8.720	160 6.30	125 4.92	84 3.31	5/8×85 M16X85	UL FM
150×50 159.0×2	159.1×60.3 6.250×2.375	300 2.07	64 2.5	244 9.60	112.5 4.43	125 4.92	94 3.70	5/8×105 M16X108	UL FM
150×100 159.0×108.0	159.1×108.0 6.250×4.250	300 2.07	114 4.50	244 9.60	154 6.06	133 5.24	94 3.70	5/8×105 M16X108	UL FM
150×100 159.0×4	159.1×114.3 6.250×4.500	300 2.07	114 4.50	244 9.60	159 6.26	125 4.92	94 3.70	5/8×105 M16X108	UL FM
150×50 165.1×2	165.1×60.3 6.500×2.375	300 2.07	64 2.5	244 9.60	112.5 4.43	127 5.00	97.5 3.84	5/8×105 M16X108	UL FM
150×65 165.1×76.1	165.1×76.1 6.500×3.000	300 2.07	70 2.75	244 9.60	112.5 4.43	130 5.12	97.5 3.84	5/8×105 M16X108	-
150×80 6½O.D×3	165.1×88.9 6.500×3.500	300 2.07	89 3.50	244 9.60	132 5.20	130 5.12	97.5 3.84	5/8×105 M16X108	UL FM
150×100 6½O.D×4	165.1×114.3 6.500×4.500	300 2.07	114 4.50	244 9.60	154 6.06	135 5.32	97.5 3.84	5/8×105 M16X108	UL FM
150×40 6×1½	168.3×48.3 6.500×1.900	400 2.76	51 2.00	247 9.72	95 3.74	128 5.04	98.5 3.88	5/8×105 M16X108	UL FM
150×50 6×2	168.3×60.3 6.625×2.375	300 2.07	64 2.5	247 9.72	114 4.49	134 5.28	98.5 3.88	5/8×105 M16X108	UL FM

UV51

Yivli Mekanik Te
Mechanical Tee
Grooved Outlet

c UL us LISTED FM APPROVED

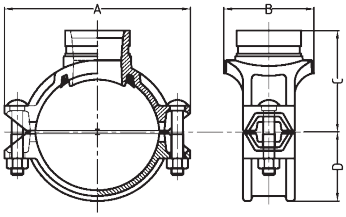


Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Delik Çapı Hole Dia mm/in +1.6,0/+0.063,0	Ölçüler/Dimensions				Civata Ölçüsü Bolt Size mm/in	Sertifika Certificate
				A mm/in	B mm/in	C mm/in	D mm/in		
150×65 6×2½	168.3×73.0 6.625×2.875	400 2.76	70 2.75	247 9.72	112.5 4.43	135 5.32	98.5 3.88	5/8×105 M16X108	UL FM
150×65 6×2½	168.3×76.1 6.625×3.000	300 2.07	70 2.75	247 9.72	112.5 4.43	135 5.32	98.5 3.88	5/8×105 M16X108	UL FM
150×80 6×3	168.3×88.9 6.625×3.500	400 2.76	89 3.50	247 9.72	132 5.20	136.5 5.37	98.5 3.88	5/8×105 M16X108	UL FM
150×100 6×4	168.3×114.3 6.625×4.500	400 2.76	114 4.50	247 9.72	160 6.30	138 5.43	98.5 3.88	5/8×105 M16X108	UL FM
200×50 8×2	219.1×60.3 8.625×2.375	400 2.76	64 2.5	320 12.60	118 4.65	158 6.22	125 4.92	3/4×115 M20X115	UL FM
200×65 8×76.1	216.3×76.1 8.516×3.000	300 2.07	70 2.75	315 12.40	117 4.61	157 6.18	122 4.80	3/4×115 M20X115	-
200×65 8×21/2	219.1×73.0 8.625×2.875	400 2.76	70 2.75	320 12.60	118 4.65	158 6.22	125 4.92	3/4×115 M20X115	UL FM
200×65 8×76.1	219.1×76.1 8.625×3.000	300 2.07	70 2.75	320 12.60	118 4.65	158 6.22	125 4.92	3/4×115 M20X115	UL FM
200×80 8×3	219.1×88.9 8.625×3.500	300 2.07	89 3.50	320 12.60	136.5 5.37	161 6.34	125 4.92	3/4×115 M20X115	UL FM
200×100 8×4	219.1×108.0 8.625×4.250	300 2.07	114 4.50	320 12.60	162 6.38	161 6.34	125 4.92	3/4×115 M20X115	UL FM
200×100 8×4	219.1×114.3 8.625×4.500	300 2.07	114 4.50	320 12.60	162 6.38	161 6.34	125 4.92	3/4×115 M20X115	UL FM
250×65 10×2½	273.0×76.1 10.75×3.000	300 2.07	70 2.75	376 14.80	118 4.65	189 7.44	155 6.10	3/4×120 M20X115	UL FM
250×80 10×3	273.0×88.9 10.75×3.500	300 2.07	89 3.50	376 14.80	136.5 5.37	189 7.44	155 6.10	3/4×120 M20X115	UL FM
250×100 10×4	273.0×108 10.75×4.250	300 2.07	114 4.50	376 14.80	164 6.46	189 7.44	155 6.10	3/4×120 M20X115	UL FM
250×100 10×4	273.0×114.3 10.75×4.500	300 2.07	114 4.50	376 14.80	164 6.46	189 7.44	155 6.10	3/4×120 M20X115	UL FM

UV52

Yivli Mekanik Te
Mechanical Tee
Grooved Outlet

c UL us LISTED FM APPROVED



Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Delik Çapı Hole Dia mm/in +1.6,0/+0.063,0	Ölçüler/Dimensions				Civata Ölçüsü Bolt Size mm/in	Sertifika Certificate
				A mm/in	B mm/in	C mm/in	D mm/in		
80×25 3×1	88.9×33.7 3.500×1.315	365 2.52	38 1.50	150 5.91	71.0 2.80	84 3.31	55.5 2.19	1/2×75 M12X76	UL FM
80×32 3×1¼	88.9×42.4 3.500×1.660	365 2.52	51 2.00	150 5.91	84.5 3.33	84 3.31	55.5 2.19	1/2×75 M12X76	UL FM
80×40 3×1½	88.9×48.3 3.500×1.900	365 2.52	51 2.00	150 5.91	84.5 3.33	84 3.31	55.5 2.19	1/2×75 M12X76	UL FM
80×50 3×2	88.9×60.3 3.500×2.375	365 2.52	64 2.50	150 5.91	98 3.86	84 3.31	55.5 2.19	1/2×75 M12X76	UL FM
100×25 4×1	114.3×33.7 4.500×1.315	300 2.07	38 1.50	178 7.01	77.5 3.05	98 3.86	67.5 2.66	1/2×75 M12X76	UL FM
100×40 4×1½	114.3×48.3 4.500×1.900	300 2.07	51 2.00	178 7.01	88 3.46	98 3.86	67.5 2.66	1/2×75 M12X76	UL FM
100×50 4×2	114.3×60.3 4.500×2.375	300 2.07	64 2.50	178 7.01	103.5 4.07	98 3.86	67.5 2.66	1/2×75 M12X76	UL FM
100×65 4×2½	114.3×73.0 4.500×2.875	300 2.07	70 2.75	178 7.01	103.5 4.07	98 3.86	67.5 2.66	1/2×75 M12X76	UL FM
100×65 4×76.1	114.3×76.1 4.500×3.000	300 2.07	70 2.75	178 7.01	103.5 4.07	98 3.86	67.5 2.66	1/2×75 M12X76	UL FM
100×80 4×3	114.3×88.9 4.500×3.500	300 2.07	89 3.50	178 7.01	124 4.88	98 3.86	67.5 2.66	1/2×75 M12X76	UL FM
125×50 5×2	141.3×60.3 5.563×2.375	300 2.07	64 2.50	210 8.27	110 4.33	113 4.45	82 3.23	5/8×85	-

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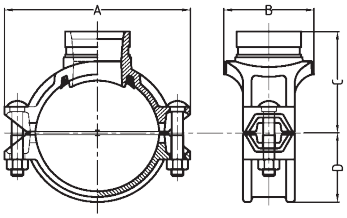
Yivli Mekanik Te
Mechanical Tee
Grooved Outlet

c UL us LISTED FM APPROVED



Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Delik Çapı Hole Dia mm/in +1.6,0/+0.063,0	Ölçüler/Dimensions				Civata Ölçüsü Bolt Size mm/in	Sertifika Certificate
				A mm/in	B mm/in	C mm/in	D mm/in		
125×80 133.0×3	133.0×88.9 5.250×3.500	300 2.07	89 3.50	203 7.99	132 5.12	110 4.33	77.5 3.05	5/8×85 M16X85	UL FM
125×32 139.7×11/4	139.7×42.4 5.500×1.660	300 2.07	51 2.00	210 8.27	91 3.58	113 4.45	82 3.23	5/8×85 M16X85	UL FM
125×40 139.7×11/2	139.7×48.3 5.500×1.900	300 2.07	51 2.00	210 8.27	91 3.58	113 4.45	82 3.23	5/8×85 M16X85	UL FM
125×50 139.7×2	139.7×60.3 5.500×2.375	300 2.07	64 2.50	210 8.27	110 4.33	113 4.45	82 3.23	5/8×85 M16X85	UL FM
125×65 139.7×76.1	139.7×76.1 5.500×3.000	300 2.07	70 2.75	210 8.27	110 4.33	113 4.45	82 3.23	5/8×85 M16X85	UL FM
125×80 139.7×3	139.7×88.9 5.500×3.500	300 2.07	89 3.50	210 8.27	130 5.12	113 4.45	82 3.23	5/8×85 M16X85	UL FM
125×6 139.7×4	139.7×114.3 5.500×4.500	175 1.21	114 4.50	210 8.27	153 6.02	115 4.52	82 3.23	5/8×85 M16X85	UL FM
125×50 5×2	141.3×60.3 5.563×2.375	300 2.07	64 2.50	210 8.27	110 4.33	113 4.45	82 3.23	5/8X85	UL
125×65 5×2 1/2	141.3×73.0 5.563×2.875	300 2.07	70 2.75	209 8.23	109.5 4.31	113 4.45	82 3.23	5/8X85	UL
125×80 5×3	141.3×88.9 5.563×3.500	300 2.07	89 3.50	209 8.23	129 5.08	113 4.45	82 3.23	5/8X85	UL
150×65 159.0×76.1	159.1×76.1 6.250×3.000	300 2.07	70 2.75	227 8.94	110 4.33	122.5 4.83	91 3.58	5/8×105 M16X108	-
150×80 159.0×88.9	159.1×88.9 6.250×3.500	300 2.07	89 3.50	227 8.94	130 5.11	122.5 4.83	91 3.58	5/8×105 M16X108	UL FM
150×100 159.0×108.0	159.1×108.0 6.250×4.250	300 2.07	114 4.50	227 8.94	155 6.10	122.5 4.83	91 3.58	5/8×105 M16X108	UL FM
150×100 159.0×4	159.1×114.3 6.250×4.500	300 2.07	114 4.50	227 8.94	155 6.10	122.5 4.83	91 3.58	5/8×105 M16X108	UL FM
150×32 165.1×11/4	165.1×42.4 6.500×1.900	300 2.07	51 2.00	235 9.25	92.5 3.64	124.5 4.90	94.5 3.72	5/8×105 M16X108	UL FM
150×50 165.1×2	165.1×60.3 6.500×2.375	300 2.07	64 2.50	235 9.25	110 4.33	124.5 4.90	94.5 3.72	5/8×105 M16X108	UL FM
150×65 165.1×76.1	165.1×76.1 6.500×3.000	300 2.07	70 2.75	235 9.25	110 4.33	124.5 4.90	94.5 3.72	5/8×105 M16X108	UL FM
150×80 165.1×3	165.1×88.9 6.500×3.500	300 2.07	89 3.50	235 9.25	130 5.12	124.5 4.90	94.5 3.72	5/8×105 M16X108	UL FM
150×100 165.1×4	165.1×108 6.500×4.250	300 2.07	114 4.50	235 9.25	155 6.10	126 4.96	94.5 3.72	5/8×105 M16X108	UL FM
150×100 165.1×4	165.1×114.3 6.500×4.500	300 2.07	114 4.50	235 9.25	155 6.10	126 4.96	94.5 3.72	5/8×105 M16X108	UL FM
150×32 6×1¼	168.3×42.4 6.500×1.660	300 2.07	51 2.00	240 9.45	92.5 3.64	126 4.96	96.5 3.80	5/8×105 M16X108	UL FM
150×40 6×1½	168.3×48.3 6.500×1.900	300 2.07	51 2.00	240 9.45	92.5 3.64	126 4.96	96.5 3.80	5/8×105 M16X108	UL FM
150×50 6×2	168.3×60.3 6.625×2.375	300 2.07	64 2.50	240 9.45	110 4.33	126 4.96	96.5 3.80	5/8×105 M16X108	UL FM
150×65 6×2½	168.3×73.0 6.625×2.875	300 2.07	70 2.75	240 9.45	110 4.33	126 4.96	96.5 3.80	5/8×105 M16X108	UL FM
150×65 6×76.1	168.3×76.1 6.625×3	300 2.07	70 2.75	240 9.45	110 4.33	126 4.96	96.5 3.80	5/8×105 M16X108	UL FM
150×80 6×3	168.3×88.9 6.625×3.500	300 2.07	89 3.50	240 9.45	130 5.12	126 4.96	96.5 3.80	5/8×105 M16X108	UL FM
150×100 6×4	168.3×114.3 6.625×4.500	300 2.07	114 4.50	240 9.45	155 6.10	128 5.04	96.5 3.80	5/8×105 M16X108	UL FM
200×50 8×2	219.1×60.3 8.625×2.375	300 2.07	64 2.50	300 11.81	117 4.60	155 6.10	123 4.84	5/8×105 M16X108	UL FM
200×65 8×2½	219.1×73 8.625×2.875	300 2.07	70 2.75	300 11.81	117 4.60	155 6.10	123 4.84	5/8×105 M16X108	UL FM
200×65 8×76.1	219.1×76.1 8.625×3.000	300 2.07	70 2.75	300 11.81	117 4.60	155 6.10	123 4.84	5/8×105 M16X108	UL FM
200×80 8×3	219.1×88.9 8.625×3.500	300 2.07	89 3.50	300 11.81	135.5 5.33	155 6.10	123 4.84	5/8×105 M16X108	UL FM
200×100 8×4	219.1×114.3 8.625×4.500	300 2.07	114 4.50	300 11.81	164 6.46	160 6.30	123 4.84	5/8×105 M16X108	UL FM

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Threaded Outlet

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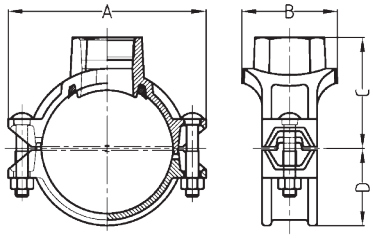

Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Delik Çapı Hole Dia mm/in +1.6,0/+0.063,0	Ölçüler/Dimensions A mm/in	B mm/in	C mm/in	D mm/in	Civata Ölçüsü Bolt Size mm/in	Sertifika Certificate
25X10 1X3/8	33.7X17.2 1.315X0.677	300 2.07	23.5 0.92	86 3.38	46 1.81	26 1.02	24.5 0.96	M8X30	-
25X15 1X1/2	33.7X21.3 1.315X0.825	300 2.07	23.5 0.92	86 3.38	46 1.81	26 1.02	24.5 0.96	M8X30	UL FM
25X20 1X3/4	33.7X26.9 1.315X1.050	300 2.07	23.5 0.92	86 3.38	52 2.05	41 1.61	24.5 0.96	M8X30	-
25X25 1X1	33.7X33.7 1.315X1.315	300 2.07	23.5 0.92	86 3.38	57 2.24	45 1.77	24.5 0.96	M8X30	-
32X10 11/4X3/8	42.4X17.2 1.660X0.677	300 2.07	30 1.18	95.5 3.76	53 2.09	32 1.26	29 1.14	M10X35	UL FM
32X15 11/4X1/2	42.4X21.3 1.660X0.825	300 2.07	30 1.18	95.5 3.76	57 2.24	32 1.26	29 1.14	M10X35	UL FM
32X20 11/4X3/4	42.4X26.9 1.660X1.050	300 2.07	30 1.18	95.5 3.76	57 2.24	44 1.73	29 1.14	M10X35	UL FM
32X25 11/4X1	42.4X33.7 1.660X1.315	300 2.07	30 1.18	95.5 3.76	57 2.24	53 2.09	29 1.14	M10X35	UL
40X10 11/2X3/8	48.3X17.2 1.900X0.677	300 2.07	30 1.18	101.5 3.99	53 2.09	34 1.34	32.5 1.28	M10X35	UL
40X15 11/2X1/2	48.3X21.3 1.900X0.825	300 2.07	30 1.18	101.5 3.99	57 2.24	35.5 1.40	32.5 1.28	M10X35	UL FM
40X20 11/2X3/4	48.3X26.9 1.900X1.050	300 2.07	30 1.18	101.5 3.99	57 2.24	47.5 1.87	32.5 1.28	M10X35	UL FM
40X25 11/2X1	48.3X33.7 1.900X1.315	300 2.07	30 1.18	101.5 3.99	57 2.24	56 2.20	32.5 1.28	M10X35	-
50×10 2×3/8	60.3×17.2 2.375×0.677	300 2.07	38 1.50	116 4.57	68 2.68	44 1.73	39 1.54	3/8×55 M10X57	UL
50×15 2×½	60.3×21.3 2.375×0.825	400 2.76	38 1.50	116 4.57	68 2.68	60 2.36	39 1.54	3/8×55 M10X57	UL FM
50×20 2×¾	60.3×26.9 2.375×1.050	400 2.76	38 1.50	116 4.57	68 2.68	60 2.36	39 1.54	3/8×55 M10X57	UL FM
50×25 2×1	60.3×33.7 2.375×1.315	400 2.76	38 1.50	116 4.57	68 2.68	60 2.36	39 1.54	3/8×55 M10X57	UL FM
50×32 2×1¼	60.3×42.4 2.375×1.660	400 2.76	45 1.75	116 4.57	76 2.99	65 2.56	39 1.54	3/8×55 M10X57	UL FM
50×40 2×1½	60.3×48.3 2.375×1.900	400 2.76	45 1.75	116 4.57	76 2.99	65 2.56	39 1.54	3/8×55 M10X57	UL FM
65×15 2½×½	73.0×21.3 2.875×0.825	400 2.76	38 1.50	137 5.39	71 2.76	68 2.67	49 1.93	1/2×70 M12X70	UL FM
65×20 2½×¾	73.0×26.9 2.875×1.050	400 2.76	38 1.50	137 5.39	71 2.76	68 2.67	49 1.93	1/2×70 M12X70	UL FM
65×25 2½×1	73.0×33.7 2.875×1.315	400 2.76	38 1.50	137 5.39	71 2.76	70 2.75	49 1.93	1/2×70 M12X70	UL FM
65×32 2½×1¼	73.0×42.4 2.875×1.660	400 2.76	51 2.00	137 5.397	84.5 3.33	73 2.87	49 1.93	1/2×70 M12X70	UL FM
65×40 2½×1½	73.0×48.3 2.875×1.900	400 2.76	51 2.00	137 5.39	84.5 3.33	73 2.87	49 1.93	1/2×70 M12X70	UL FM
65×15 76.1×½	76.1×21.3 3.000×0.825	300 2.07	38 1.50	137 5.39	71 2.80	61.5 2.42	49.5 1.95	1/2×70 M12X70	UL FM
65×20 76.1×¾	76.1×26.9 3.000×1.050	300 2.07	38 1.50	137 5.39	71 2.80	68 2.67	49.5 1.95	1/2×70 M12X70	UL FM
65×25 76.1×1	76.1×33.7 3.000×1.315	300 2.07	38 1.50	137 5.39	71 2.80	75 3.05	49.5 1.95	1/2×70 M12X70	UL FM
65×32 76.1×1¼	76.1×42.4 3.000×1.660	300 2.07	51 2.00	137 5.39	84.5 3.33	75 3.05	49.5 1.95	1/2×70 M12X70	UL FM
65×40 76.1×1½	76.1×48.3 3.000×1.900	300 2.07	51 2.00	137 5.39	84.5 3.33	75 3.05	49.5 1.95	1/2×70 M12X70	UL FM
80×15 3×½	88.9×21.3 3.500×0.825	400 2.76	38 1.50	152 5.98	72.5 2.85	71.5 2.81	56.5 2.22	1/2×75 M12X76	UL FM
80×20 3×¾	88.9×26.9 3.500×1.050	400 2.76	38 1.50	152 5.98	72.5 2.85	71.5 2.81	56.5 2.22	1/2×75 M12X76	UL FM
80×25 3×1	88.9×33.7 3.500×1.315	400 2.76	38 1.50	152 5.98	72.5 2.85	80 3.15	56.5 2.22	1/2×75 M12X76	UL FM
80×32 3×1¼	88.9×42.4 3.500×1.660	400 2.76	51 2.00	152 5.98	85.5 3.37	80 3.15	56.5 2.22	1/2×75 M12X76	UL FM
80×40 3×1½	88.9×48.3 3.500×1.900	400 2.76	51 2.00	152 5.98	85.5 3.37	80 3.15	56.5 2.22	1/2×75 M12X76	UL FM
80×50 3×2	88.9×60.3 3.500×2.375	300 2.07	64 2.50	152 5.98	98 3.86	80 3.15	56.5 2.22	1/2×75 M12X76	UL FM

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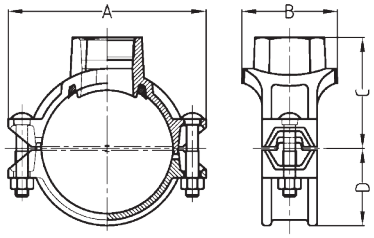

Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Delik Çapı Hole Dia mm/in +1.6,0/+0.063,0	Ölçüler/Dimensions				Civata Ölçüsü Bolt Size mm/in	Sertifika Certificate
				A mm/in	B mm/in	C mm/in	D mm/in		
100×15 108.0×1/2	108.1×21.3 4.250×0.825	300 2.07	38 1.50	172 6.77	78.5 3.09	87 3.43	64.5 2.54	1/2×75 M12X76	UL FM
100×20 108.0×3/4	108.1×26.9 4.250×1.050	300 2.07	38 1.50	172 6.77	78.5 3.09	87 3.43	64.5 2.54	1/2×75 M12X76	UL FM
100×25 108.0×1	108.1×33.7 4.250×1.315	300 2.07	38 1.50	172 6.77	78.5 3.09	87 3.43	64.5 2.54	1/2×75 M12X76	UL FM
100×32 108.0×1¼	108.1×42.4 4.250×1.660	300 2.07	51 2.00	172 6.77	89 3.50	87 3.43	64.5 2.54	1/2×75 M12X76	UL FM
100×40 108.0×1½	108.0×48.3 4.250×1.900	300 2.07	51 2.00	172 6.77	89 3.50	87 3.43	64.5 2.54	1/2×75 M12X76	UL FM
100×50 108.0×2	108.0×60.3 4.250×2.375	300 2.07	64 2.50	172 6.77	106.5 4.19	92 3.62	64.5 2.54	1/2×75 M12X76	UL FM
100×65 108.0×76.1	108.0×76.1 4.250×3.000	300 2.07	70 2.75	172 6.77	106.5 4.19	100 3.94	64.5 2.54	1/2×75 M12X76	UL FM
100×15 4×½	114.3×21.3 4.500×0.825	400 2.76	38 1.50	188 7.40	78.5 3.09	90 3.54	70 2.76	1/2×75 M12X76	UL FM
100×20 4×¾	114.3×26.9 4.500×1.050	400 2.76	38 1.50	188 7.40	78.5 3.09	90 3.54	70 2.76	1/2×75 M12X76	UL FM
100×25 4×1	114.3×33.7 4.500×1.315	400 2.76	38 1.50	188 7.40	78.5 3.09	93 3.66	70 2.76	1/2×75 M12X76	UL FM
100×32 4×1¼	114.3×42.4 4.500×1.660	400 2.76	51 2.00	188 7.40	89 3.50	95 3.74	70 2.76	1/2×75 M12X76	UL FM
100×40 4×1½	114.3×48.3 4.500×1.900	400 2.76	51 2.00	188 7.40	89 3.50	97 3.82	70 2.76	1/2×75 M12X76	UL FM
100×50 4×2	114.3×60.3 4.500×2.375	300 2.07	64 2.50	188 7.40	104.5 4.11	100 3.94	70 2.76	1/2×75 M12X76	UL FM
100×65 4×2½	114.3×73.0 4.500×2.875	400 2.76	70 2.75	188 7.40	104.5 4.11	102 4.02	70 2.76	1/2×7 M12X765	UL FM
100×65 4×76.1	114.3×76.1 4.500×3.000	300 2.07	70 2.75	188 7.40	104.5 4.11	102 4.02	70 2.76	1/2×75 M12X76	-
100×80 4×3	114.3×88.9 4.500×3.500	400 2.76	89 3.50	188 7.40	128 5.039	102 4.02	70 2.76	1/2×75 M12X76	UL FM
125×32 133.0×1.25	133.0×42.4 5.250×1.660	300 2.07	51 2.00	209 8.23	93 3.66	105 4.13	77 3.03	5/8×85 M16X85	UL FM
125×40 133.0×1½	133.0×48.3 5.250×1.900	300 2.07	51 2.00	209 8.23	93 3.66	105 4.13	77 3.03	5/8×85 M16X85	UL FM
125×50 133.0×2	133.0×60.3 5.250×2.375	300 2.07	64 2.50	209 8.23	112.5 4.43	110 4.33	77 3.03	5/8×85 M16X85	UL FM
125×15 139.7×1/2	139.7×21.3 5.500×0.825	300 2.07	38 1.50	221.5 8.72	78 3.07	110 4.33	84 3.31	5/8×85 M16X85	UL FM
125×20 139.7×3/4	139.7×26.9 5.500×1.050	300 2.07	38 1.50	221.5 8.72	78 3.07	110 4.33	84 3.31	5/8×85 M16X85	UL FM
125×25 139.7×1	139.7×33.7 5.500×1.315	300 2.07	38 1.50	221.5 8.72	78 3.07	110 4.33	84 3.31	5/8×85 M16X85	UL FM
125×32 139.7×1¼	139.7×42.4 5.500×1.660	300 2.07	51 2.00	221.5 8.72	95 3.74	112 4.41	84 3.31	5/8×85 M16X85	UL FM
125×40 139.7×1½	139.7×48.3 5.500×1.900	300 2.07	51 2.00	221.5 8.72	95 3.74	112 4.41	84 3.31	5/8×85 M16X85	UL FM
125×50 139.7×2	139.7×60.3 5.500×2.375	300 2.07	64 2.50	221.5 8.72	112.5 4.43	115 4.53	84 3.31	5/8×85 M16X85	UL FM
125×65 139.7×76.1	139.7×76.1 5.500×3.000	300 2.07	70 2.75	221.5 8.72	112.5 4.43	115 4.53	84 3.31	5/8×85 M16X85	-
125×80 139.7×3	139.7×88.9 5.500×3.500	300 2.07	89 3.50	221.5 8.72	132 5.20	120 4.72	84 3.31	5/8×85 M16X85	-
125×100 139.7×4	139.7×114.3 5.500×4.500	300 2.07	114 4.50	221.5 8.72	156 6.30	125 4.92	84 3.31	5/8×85 M16X85	UL FM
150×15 159.0×1/2	159.0×21.3 6.250×0.825	300 2.07	38 1.50	244 9.60	78 3.07	116 4.57	94 3.70	5/8×105 M16X108	UL FM
150×25 159.0×1	159.0×33.7 6.250×1.315	300 2.07	38 1.50	244 9.60	78 3.07	116 4.57	94 3.70	5/8×105 M16X108	UL FM
150×32 159.0×1¼	159.0×42.4 6.250×1.660	300 2.07	51 2.00	244 9.60	93 3.66	118 4.65	94 3.70	5/8×105 M16X108	UL FM
150×40 159.0×1½	159.0×48.3 6.250×1.900	300 2.07	51 2.00	244 9.60	93 3.66	118 4.65	94 3.70	5/8×105 M16X108	UL FM

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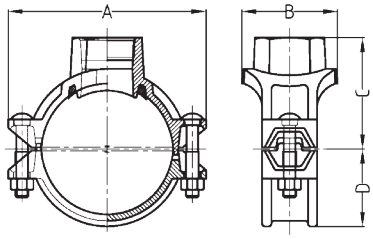

Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Delik Çapı Hole Dia mm/in +1.6,0/+0.063,0	Ölçüler/Dimensions A mm/in	B mm/in	C mm/in	D mm/in	Civata Ölçüsü Bolt Size mm/in	Sertifika Certificate
150×50 159.0×2	159.0×60.3 6.250×2.375	300 2.07	64 2.50	244 9.60	112.5 4.43	125 4.92	94 3.70	5/8×105 M16X108	UL FM
150×65 159.0×76.1	159.0×76.1 6.250×3.000	300 2.07	70 2.75	244 9.60	112.5 4.43	125 4.92	94 3.70	5/8×105 M16X108	UL FM
150×80 159.0×3	159.0×88.9 6.250×3.500	300 2.07	89 3.50	244 9.60	133 5.20	125 4.92	94 3.70	5/8×105 M16X108	UL
150×100 159.0×4	159.1×114.3 6.250×4.500	175 1.20	114 4.50	244 9.60	156.5 6.16	130 5.12	94 3.70	5/8×105 M16X108	UL
150×15 165.1×½	165.1×21.3 6.500×0.825	300 2.07	38 1.50	244 9.60	78 3.07	110 4.33	97.5 3.84	5/8×105 M16X108	UL
125×20 165.1×¾	165.1×26.9 6.500×1.050	300 2.07	38 1.50	244 9.60	78 3.07	110 4.33	97.5 3.84	5/8×105 M16X108	UL
150×25 165.1×1	165.1×33.7 6.500×1.315	300 2.07	38 1.50	244 9.60	78 3.07	118 4.65	97.5 3.84	5/8×105 M16X108	UL FM
150×32 165.1×1¼	165.1×42.4 6.500×1.660	300 2.07	51 2.00	244 9.60	93 3.66	118 4.65	97.5 3.84	5/8×105 M16X108	UL FM
150×40 165.1×1½	165.1×48.3 6.500×1.900	300 2.07	51 2.00	244 9.60	93 3.66	118 4.65	97.5 3.84	5/8×105 M16X108	UL FM
150×50 165.1×2	165.1×60.3 6.500×2.375	300 2.07	64 2.50	244 9.60	112.5 4.43	128.5 5.43	97.5 3.84	5/8×105 M16X108	UL FM
150×65 165.1×76.1	165.1×76.1 6.500×3.000	300 2.07	70 2.75	244 9.60	112.5 4.43	128.5 5.43	97.5 3.84	5/8×105 M16X108	UL
150×80 165.1×3	165.1×88.9 6.500×3.500	300 2.07	89 3.50	244 9.60	132 5.20	128.5 5.06	97.5 3.84	5/8×105 M16X108	UL FM
150×100 165.1×4	165.1×114.3 6.500×4.500	225 1.6	114 4.50	244 9.60	154 6.18	135 5.32	97.5 3.84	5/8×105 M16X108	-
150×32 6×1¼	168.3×42.4 6.500×1.660	300 2.07	51 2.00	247 9.72	95 3.74	122 4.80	98.5 3.88	5/8×105 M16X108	UL FM
150×40 6×1½	168.3×48.3 6.500×1.900	400 2.76	51 2.00	247 9.72	95 3.74	122 4.80	98.5 3.88	5/8×105 M16X108	UL FM
150×50 6×2	168.3×60.3 6.625×2.375	300 2.07	64 2.50	247 9.72	112.5 4.43	132 5.20	98.5 3.88	5/8×105 M16X108	UL FM
150×65 6×2½	168.3×73.0 6.625×2.875	400 2.76	70 2.75	247 9.72	112.5 4.43	132 5.20	98.5 3.88	5/8×105 M16X108	UL FM
150×65 6×76.1	168.3×76.1 6.625×3.000	300 2.07	70 2.75	247 9.72	112.5 4.43	132 5.20	98.5 3.88	5/8×105 M16X108	UL
150×80 6×3	168.3×88.9 6.625×3.500	300 2.07	89 3.50	247 9.72	132 5.20	140 5.51	98.5 3.88	5/8×105 M16X108	UL FM
150×100 6×4	168.3×114.3 6.625×4.500	400 2.76	114 4.50	247 9.72	160 6.30	140 5.51	98.5 3.88	5/8×105 M16X108	UL FM
200×25 8×1	219.1×33.7 8.625×1.315	300 2.07	38 1.50	320 12.60	79.5 3.13	150 5.91	125 4.92	3/4×115 M20X115	UL FM
200×32 8×1¼	219.1×42.4 8.625×1.660	300 2.07	51 2.00	320 12.60	96.5 3.80	150 5.91	125 4.92	3/4×115 M20X115	UL FM
200×40 8×1½	219.1×48.3 8.625×1.900	300 2.07	51 2.00	320 12.60	96.5 3.80	150 5.91	125 4.92	3/4×115 M20X115	UL FM
200×50 8×2	219.1×60.3 8.625×2.375	400 2.76	64 2.50	320 12.60	117 4.61	160 6.30	125 4.92	3/4×115 M20X115	UL FM
200×65 8×2½	219.1×73.0 8.625×2.875	300 2.07	70 2.75	320 12.60	118 4.65	160 6.30	125 4.92	3/4×115 M20X115	UL FM
200×65 8×76.1	219.1×76.1 8.625×3.000	300 2.07	70 2.75	320 12.60	118 4.65	160 6.30	125 4.92	3/4×115 M20X115	UL FM
200×80 8×3	219.1×88.9 8.625×3.500	300 2.07	89 3.50	320 12.60	136.5 5.37	160 6.30	125 4.92	3/4×115 M20X115	UL FM
200×100 8×4	219.1×114.3 8.625×4.500	300 2.07	114 4.50	320 12.60	164 6.46	160 6.30	125 4.92	3/4×115 M20X115	UL FM
250×40 10×1½	273.0×48.3 10.750×1.900	300 2.07	51 2.00	376 14.80	95.5 3.76	180 7.09	155 6.10	3/4×120 M20X115	UL FM
250×50 10×2	273.0×60.3 10.750×2.375	300 2.07	64 2.50	376 14.80	118 4.65	185 7.28	155 6.10	3/4×120 M20X115	UL FM
250×65 10×76.1	273.0×76.1 10.750×3.000	300 2.07	70 2.75	376 14.80	118 4.65	190 7.48	155 6.10	3/4×120 M20X115	UL FM
250×80 10×3	273.0×88.9 10.750×3.500	300 2.07	89 3.50	376 14.80	136.5 5.37	190 7.48	155 6.10	3/4×120 M20X115	UL FM
250×100 10×4	273.0×114.3 10.750×4.500	300 2.07	114 4.50	376 14.80	164 6.46	190 7.48	155 6.10	3/4×120 M20X115	UL FM

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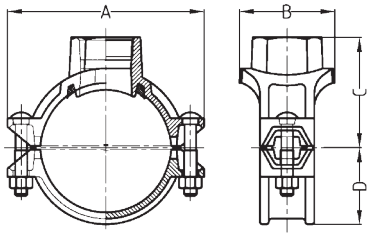

Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Delik Çapı Hole Dia mm/in +1.6,0/+0.063,0	Ölçüler/Dimensions				Civata Ölçüsü Bolt Size mm/in	Sertifika Certificate
				A mm/in	B mm/in	C mm/in	D mm/in		
80×15 3×½	88.9×21.3 3.500×0.825	300 2.07	38 1.50	150 5.91	71.0 2.80	68 2.68	55.5 2.19	1/2×75 M12X76	UL FM
80×20 3×¾	88.9×26.9 3.500×1.050	300 2.07	38 1.50	150 5.91	71.0 2.80	68 2.68	55.5 2.19	1/2×75 M12X76	UL FM
80×25 3×1	88.9×33.7 3.500×1.315	300 2.07	38 1.50	150 5.91	71.0 2.80	71.0 2.80	55.5 2.19	1/2×75 M12X76	UL FM
80×32 3×1¼	88.9×42.4 3.500×1.660	300 2.07	51 2.00	150 5.91	84.5 3.33	74 2.91	55.5 2.19	1/2×75 M12X76	UL FM
80×40 3×1½	88.9×48.3 3.500×1.900	300 2.07	51 2.00	150 5.91	84.5 3.33	74 2.91	55.5 2.19	1/2×75 M12X76	UL FM
80×50 3×2	88.9×60.3 3.500×2.375	300 2.07	64 2.50	150 5.91	98 3.86	77 3.03	55.5 2.19	1/2×75 M12X76	UL FM
100×15 108.0×½	108.1×21.3 4.250×0.825	300 2.07	38 1.50	172 6.77	77.5 3.05	85 3.35	64.5 2.54	1/2×75 M12X76	UL FM
100×25 108.0×1	108.1×33.7 4.250×1.315	300 2.07	38 1.50	172 6.77	77.5 3.05	85 3.35	64.5 2.54	1/2×75 M12X76	UL FM
100×32 108.0×1¼	108.1×42.4 4.250×1.660	300 2.07	51 2.00	172 6.77	88 3.46	85 3.35	64.5 2.54	1/2×75 M12X76	UL FM
100×40 108.0×1½	108.0×48.3 4.250×1.900	300 2.07	51 2.00	172 6.77	88 3.46	85 3.35	64.5 2.54	1/2×75 M12X76	UL FM
100×50 108.0×2	108.0×60.3 4.250×2.375	300 2.07	64 2.50	172 6.77	103.5 4.19	90.5 3.56	64.5 2.54	1/2×75 M12X76	UL FM
100×65 108.0×76.1	108.0×76.1 4.250×3.000	300 2.07	70 2.75	172 6.77	103.5 4.07	97.5 3.84	64.5 2.54	1/2×75 M12X76	UL FM
100×25 4×1	114.3×33.7 4.500×1.315	300 2.07	38 1.50	178 7.01	77.5 3.05	89.5 3.52	67.5 2.66	1/2×75 M12X76	UL FM
100×32 4×1¼	114.3×42.4 4.500×1.660	300 2.07	51 2.00	178 7.01	88 3.46	89.5 3.53	67.5 2.66	1/2×75 M12X76	UL FM
100×40 4×1½	114.3×48.3 4.500×1.900	300 2.07	51 2.00	178 7.01	88 3.46	89.5 3.53	67.5 2.66	1/2×75 M12X76	UL FM
100×50 4×2	114.3×60.3 4.500×2.375	300 2.07	64 2.50	178 7.01	103.5 4.07	92 3.62	67.5 2.66	1/2×75 M12X76	UL FM
100×65 4×2½	114.3×73.0 4.500×2.875	300 2.07	70 2.75	178 7.01	103.5 4.07	98 3.86	67.5 2.66	1/2×75 M12X76	UL FM
100×65 4×76.1	114.3×76.1 4.500×3.000	300 2.07	70 2.75	178 7.01	103.5 4.07	98 3.86	67.5 2.66	1/2×75 M12X76	UL FM
100×80 4×3	114.3×88.9 4.500×3.500	300 2.07	89 3.50	178 7.01	124 4.88	98 3.86	67.5 2.66	1/2×75 M12X76	UL FM
125×25 133.0×1	133.0×33.7 5.250×1.315	300 2.07	38 1.50	203 7.99	77 3.03	98 3.86	77.5 3.05	5/8×85	UL FM
125×32 133.0×1.25	133.0×42.4 5.250×1.660	300 2.07	51 2.00	203 7.99	91 3.58	102 4.01	77.5 3.05	5/8×85	UL FM
125×40 133.0×1½	133.0×48.3 5.250×1.900	300 2.07	51 2.00	203 7.99	91 3.58	102 4.01	77.5 3.05	5/8×85	UL FM
125×50 133.0×2	133.0×60.3 5.250×2.375	300 2.07	64 2.50	203 7.99	110 4.33	105 4.13	77.5 3.05	5/8×85	UL FM
125×65 133.0×76.1	133.0×76.1 5.250×3.000	300 2.07	70 2.75	203 7.99	110 4.33	113 4.45	77.5 3.05	5/8×85	UL FM
125×80 133.0×3	133.0×88.9 5.250×3.500	300 2.07	89 3.50	203 7.99	132 5.12	110 4.33	77.5 3.05	5/8×85	UL FM
125×25 139.7×1	139.7×33.7 5.500×1.315	300 2.07	38 1.50	210 8.27	77 3.03	100 3.94	82 3.23	5/8×85 M16X85	UL FM
125×32 139.7×1¼	139.7×42.4 5.500×1.660	300 2.07	51 2.00	210 8.27	91 3.58	105 4.13	82 3.23	5/8×85 M16X85	UL FM
125×40 139.7×1½	139.7×48.3 5.500×1.900	300 2.07	51 2.00	210 8.27	91 3.58	105 4.13	82 3.23	5/8×85 M16X85	UL FM
125×50 139.7×2	139.7×60.3 5.500×2.375	300 2.07	64 2.50	210 8.27	110 4.33	108 4.25	82 3.23	5/8×85 M16X85	UL FM
125×65 139.7×76.1	139.7×76.1 5.500×3.000	300 2.07	70 2.75	210 8.27	110 4.33	115 4.53	82 3.23	5/8×85 M16X85	UL FM
125×80 139.7×3	139.7×88.9 5.500×3.500	300 2.07	89 3.50	210 8.27	130 5.12	115 4.53	82 3.23	5/8×85 M16X85	UL FM
125×100 139.7×4	139.7×114.3 5.500×4.500	300 2.07	114 4.50	210 8.27	153 6.02	118 4.65	82 3.23	5/8×85 M16X85	UL FM
125×32 5×1¼	141.3×42.4 5.563×1.660	300 2.07	51 2.00	210 8.27	91 3.58	105 4.13	82 3.23	5/8×85 M16X85	-
125×40 5×1½	141.3×48.3 5.563×1.900	400 2.76	51 2.00	210 8.27	91 3.58	105 4.13	82 3.23	5/8×85 M16X85	UL
125×50 5×2	141.3×60.3 5.563×2.375	300 2.07	64 2.50	210 8.27	110 4.33	108 4.25	82 3.23	5/8×85 M16X85	UL

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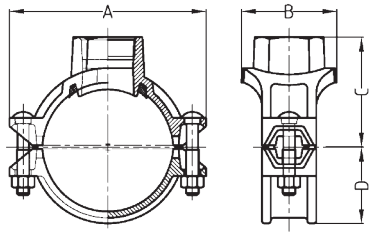

Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Delik Çapı Hole Dia mm/in +1.6,0/+0.063,0	Ölçüler/Dimensions				Civata Ölçüsü Bolt Size mm/in	Sertifika Certificate
				A mm/in	B mm/in	C mm/in	D mm/in		
150×25 159.0×1	159.0×33.7 6.250×1.315	300 2.07	38 1.50	227 8.94	77 3.03	110 4.33	91 3.58	5/8×85 M16X85	UL FM
150×32 159.0×1¼	159.0×42.4 6.250×1.660	300 2.07	51 2.00	227 8.94	92.5 3.64	112 4.41	91 3.58	5/8×105 M16X108	UL FM
150×40 159.0×1½	159.0×48.3 6.250×1.900	300 2.07	51 2.00	227 8.94	92.5 3.64	112 4.41	91 3.58	5/8×105 M16X108	UL FM
150×50 159.0×2	159.0×60.3 6.250×2.375	300 2.07	64 2.50	227 8.94	110 4.33	116.5 4.59	91 3.58	5/8×105 M16X108	UL FM
150×65 159.0×76.1	159.0×76.1 6.250×3.000	300 2.07	70 2.75	227 8.94	110 4.33	121.5 4.78	91 3.58	5/8×105 M16X108	UL FM
150×80 159.0×3	159.0×88.9 6.250×3.500	300 2.07	89 3.50	227 8.94	130 5.12	123.5 4.86	91 3.58	5/8×105 M16X108	UL FM
150×100 159.0×4	159.1×114.3 6.250×4.500	300 2.07	114 4.50	227 8.94	155 6.10	127 5.00	91 3.58	5/8×105 M16X108	UL FM
150×15 165.1×½	165.1×21.3 6.500×0.825	300 2.07	38 1.50	235 9.25	77 3.03	115 4.53	94.5 3.72	5/8×105 M16X108	UL FM
125×20 165.1×¾	165.1×26.9 6.500×1.050	300 2.07	38 1.50	235 9.25	77 3.03	115 4.53	94.5 3.72	5/8×105 M16X108	UL FM
150×25 165.1×1	165.1×33.7 6.500×1.315	300 2.07	38 1.50	235 9.25	77 3.03	115 4.53	94.5 3.72	5/8×105 M16X108	UL FM
150×32 165.1×1¼	165.1×42.4 6.500×1.660	300 2.07	51 2.00	235 9.25	92.5 3.64	115 4.53	94.5 3.72	5/8×105 M16X108	UL FM
150×40 165.1×1½	165.1×48.3 6.500×1.900	300 2.07	51 2.00	235 9.25	92.5 3.64	115 4.53	94.5 3.72	5/8×105 M16X108	UL FM
150×50 165.1×2	165.1×60.3 6.500×2.375	300 2.07	64 2.50	235 9.25	110 4.33	120 4.72	94.5 3.72	5/8×105 M16X108	UL FM
150×65 165.1×76.1	165.1×76.1 6.500×3.000	300 2.07	70 2.75	235 9.25	110 4.33	125 4.92	94.5 3.72	5/8×105 M16X108	UL FM
150×80 165.1×3	165.1×88.9 6.500×3.500	300 2.07	89 3.50	235 9.25	130 5.12	125 4.92	94.5 3.72	5/8×105 M16X108	UL FM
150×100 165.1×4	165.1×114.3 6.500×4.500	300 2.07	114 4.50	240 9.45	155 6.10	130 5.12	94.5 3.72	5/8×105 M16X108	UL FM
150×25 6×1	168.3×33.7 6.500×1.315	300 2.07	38 1.50	240 9.45	77 3.03	115 4.53	96.5 3.80	5/8×105 M16X108	UL FM
150×32 6×1¼	168.3×42.4 6.500×1.660	300 2.07	51 2.00	240 9.45	92.5 3.64	115 4.53	96.5 3.80	5/8×105 M16X108	UL FM
150×40 6×1½	168.3×48.3 6.500×1.900	300 2.07	51 2.00	240 9.45	92.5 3.64	115 4.53	96.5 3.80	5/8×105 M16X108	UL FM
150×50 6×2	168.3×60.3 6.625×2.375	300 2.07	64 2.50	240 9.45	110 4.33	121 4.76	96.5 3.80	5/8×105 M16X108	UL FM
150×65 6×2½	168.3×73.0 6.625×2.875	300 2.07	70 2.75	240 9.45	110 4.33	127 5.00	96.5 3.80	5/8×105 M16X108	UL FM
150×65 6×2½	168.3×76.0 6.625×3.000	300 2.07	70 2.75	240 9.45	110 4.33	127 5.00	96.5 3.80	5/8×105 M16X108	UL FM
150×80 6×3	168.3×88.9 6.625×3.500	300 2.07	89 3.50	240 9.45	130 5.12	127 5.00	96.5 3.80	5/8×105 M16X108	UL FM
150×100 6×4	168.3×114.3 6.625×4.500	300 2.07	114 4.50	240 9.45	155 6.10	130 5.12	96.5 3.80	5/8×105 M16X108	UL FM
200×25 8×1	219.0×33.7 8.625×1.315	300 2.07	38 1.50	300 11.81	78 3.07	140 5.51	123 4.84	5/8×105 M16X108	UL FM
200×32 8×1¼	219.1×42.4 8.625×1.660	300 2.07	51 2.00	300 11.81	96.5 3.80	140 5.51	123 4.84	5/8×105 M16X108	UL FM
200×40 8×1½	219.1×48.3 8.625×1.900	300 2.07	51 2.00	300 11.81	96.5 3.80	143 5.63	123 4.84	5/8×105 M16X108	UL FM
200×50 8×2	219.1×60.3 8.625×2.375	300 2.07	64 2.50	300 11.81	117 4.61	149 5.87	123 4.84	5/8×105 M16X108	UL FM
200×65 8×2½	219.1×73.0 8.625×2.875	300 2.07	70 2.75	300 11.81	117 4.61	155 6.10	123 4.84	5/8×105 M16X108	UL FM
200×65 8×76.1	219.1×76.1 8.625×3.000	300 2.07	70 2.75	300 11.81	117 4.61	155 6.10	123 4.84	5/8×105 M16X108	UL FM
200×80 8×3	219.1×88.9 8.625×3.500	300 2.07	89 3.50	300 11.81	133.5 5.25	155 6.10	123 4.84	5/8×105 M16X108	UL FM
200×100 8×4	219.1×114.3 8.625×4.500	300 2.07	114 4.50	300 11.81	164 6.45	160 6.30	123 4.84	5/8×105 M16X108	UL FM

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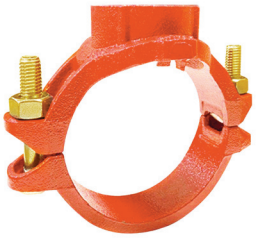
Dişli Mekanik Te
Mechanical Tee
Threaded Outlet



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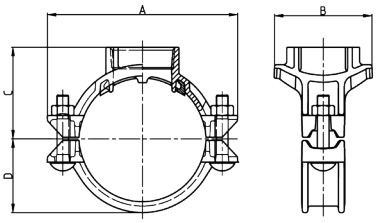

Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Delik Çapı Hole Dia mm/in +1.6,0/+0.063,0	Ölçüler/Dimensions				Civata Ölçüsü Bolt Size mm/in	Sertifika Certificate
				A mm/in	B mm/in	C mm/in	D mm/in		
65×25 2½×1	73.0×33.7 2.875×1.315	300 2.07	38 1.50	130 5.12	68.5 2.70	60 2.36	44 1.73	3/8X60	UL
65×40 2½×1½	73.0×48.3 2.875×1.900	300 2.07	51 2.00	130 5.12	81 3.19	63 2.48	44 1.73	3/8X60	UL
65×25 76.1×1	76.1×33.7 3.000×1.315	300 2.07	38 1.50	132.5 5.22	68.5 2.70	60 2.36	46 1.81	3/8X60	UL
65×32 76.1×1¼	76.1×42.4 3.000×1.660	300 2.07	51 2.00	132.5 5.22	81 3.19	63 2.48	46 1.81	3/8X60	UL
80×25 3×1	88.9×33.7 3.500×1.315	300 2.07	38 1.50	144 5.67	69.5 2.74	66.5 2.62	52.5 2.07	3/8X60	UL
80×32 3×1¼	88.9×42.4 3.500×1.660	300 2.07	51 2.00	144 5.67	82 3.23	66.5 2.62	52.5 2.07	3/8X60	UL
80×40 3×1½	88.9×48.3 3.500×1.900	300 2.07	51 2.00	144 5.67	82 3.23	70 2.76	52.5 2.07	3/8X60	UL
80×50 3×2	88.9×60.3 3.500×2.375	300 2.07	64 2.50	144 5.67	96 3.78	72 2.83	52.5 2.07	3/8X60	UL
100×25 4×1	114.3×33.7 4.500×1.315	300 2.07	38 1.50	175 6.89	72 2.83	82.5 3.25	67 2.64	1/2×75	UL
100×32 4×1¼	114.3×42.4 4.500×1.660	300 2.07	51 2.00	175 6.89	84 3.31	82.5 3.25	67 2.64	1/2×75	UL
100×40 4×1½	114.3×48.3 4.500×1.900	300 2.07	51 2.00	175 6.89	84 3.31	84.5 3.33	67 2.64	1/2×75	UL
100×50 4×2	114.3×60.3 4.500×2.375	300 2.07	64 2.50	175 6.89	97.5 3.84	84.5 3.33	67 2.64	1/2×75	UL
100×65 4×76.1	114.3×76.1 4.500×3.000	300 2.07	70 2.75	175 6.89	104.5 4.11	98 3.86	67 2.64	1/2×75	UL
150×25 6×1	165.1×33.7 6.500×1.32	300 2.07	38 1.5	233 9.17	73 2.87	106 4.17	96.3 3.79	M14×82	-
150×32 6×1 1/4	165.1×42.4 6.500×1.669	300 2.07	51 2	235 9.25	109 4.29	125 4.92	96.3 3.79	M14×82	-
150×40 6×1 1/2	165.1×48.3 6.500×1.900	300 2.07	51 2	233 9.17	86 3.39	106 4.17	96.3 3.79	M14×82	-
150×50 6×2	165.1×60.3 6.500×2.375	300 2.07	64 2.5	235 9.25	102 4.02	108 4.25	96.3 3.79	M14×82	-
150×65 6×2 1/2	165.1×76.1 6.500×3.000	300 2.07	70 2.75	233 9.17	86 3.39	106 4.17	96.3 3.79	M14×82	-

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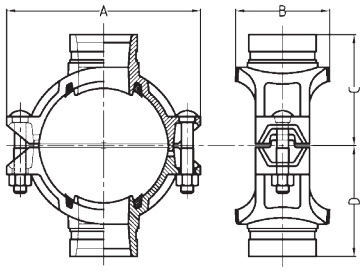
Yivli Kruva Mekanik Te
Mechanical Cross
Grooved Outlet

c UL us LISTED FM APPROVED



Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Delik Çapı Hole Dia mm/in +1.6,0/+0.063,0	Ölçüler/Dimensions A mm/in	B mm/in	C mm/in	D mm/in	Civata Ölçüsü Bolt Size mm/in	Sertifika Certificate
50X32 2X11/4	60.3X42.4 2.375X1.660	300 2.07	45 1.75	116 4.57	76 2.99	69.5 2.74	69.5 2.74	3/8×55 M10X57	UL FM
50X40 2X11/2	60.3X48.3 2.375X1.900	300 2.07	45 1.75	116 4.57	76 2.99	69.5 2.74	69.5 2.74	3/8×55 M10X57	UL FM
65X32 2½X1¼	73.0X42.4 2.875X1.669	300 2.07	51 2	144 5.67	84.5 3.33	75 2.95	75 2.95	1/2×70 M12X70	UL FM
65X25 2½X1	76.1X33.7 3.000X1.327	300 2.07	38 1.5	137 5.39	71 2.8	78 3.07	78 3.07	1/2×70 M12X70	UL FM
65X32 2½X1¼	76.1X42.4 3.000X1.669	300 2.07	51 2	137 5.39	84.5 3.33	78 3.07	78 3.07	1/2×70 M12X70	UL FM
80X25 3X1	88.9X33.7 3.500X1.327	300 2.07	38 1.5	152 5.98	72.5 2.85	84.5 3.33	84.5 3.33	1/2X75 M12X76	-
80X32 3X1¼	88.9X42.4 3.500X1.669	300 2.07	51 2	152 5.98	85.5 3.37	84.5 3.33	84.5 3.33	1/2×75 M12X76	UL FM
80X40 3X1½	88.9X48.3 3.500X1.900	300 2.07	51 2	152 5.98	85.5 3.37	84.5 3.33	84.5 3.33	1/2×75 M12X76	UL FM
80X50 3X2	88.9X60.3 3.500X2.375	300 2.07	64 2.50	152 5.98	98 3.86	84.5 3.33	84.5 3.33	1/2×75 M12X76	UL FM
100X25 4X1	114.3X33.7 4.500X1.327	300 2.07	38 1.5	188 7.4	78.4 3.09	102 4.02	102 4.02	1/2×75 M12X76	-
100X32 4X11/4	114.3X42.4 4.500X1.669	300 2.07	51 2.00	188 7.40	89 3.50	102 4.02	102 4.02	1/2×75 M12X76	UL FM
100X40 4X1½	114.3X48.3 4.500X1.900	300 2.07	51 2	188 7.4	89 3.5	102 4.02	102 4.02	1/2×75 M12X76	UL FM
100X50 4X2	114.3X60.3 4.500X2.375	300 2.07	64 2.5	188 7.4	104.5 4.11	102 4.02	102 4.02	1/2×75 M12X76	UL FM
100X65 4X76.1	114.3X76.1 4.500X3.000	300 2.07	70 2.75	188 7.40	104.5 4.11	102 4.02	102 4.02	1/2×75 M12X76	UL FM
100X80 4X3	114.3X88.9 4.500X3.500	300 2.07	89 3.50	188 7.40	128 5.03	102 4.02	102 4.02	1/2X75 M12X76	UL FM
125X50 5X2	139.7X60.3 5.500X2.375	300 2.07	64 2.5	221.5 8.72	112.5 4.43	118 4.65	118 4.65	5/8×85 M16X85	UL FM
125X65 5X2½	139.7X76.1 5.500X3.000	300 2.07	70 2.75	221.5 8.72	112.5 4.43	118 4.65	118 4.65	5/8×85 M16X85	-
125X80 139.7X3	139.7X88.9 5.500X3.500	300 2.07	89 3.50	221.5 8.720	132 5.20	118 4.65	118 4.65	5/8×85 M16X85	UL FM
125X100 139.7X4	139.7X114.3 5.500X4.500	300 2.07	114 4.50	221.5 8.720	160 6.30	125 4.92	125 4.92	5/8×85 M16X85	-
150X50 6X2	165.1X60.3 6.500X2.375	300 2.07	64 2.5	244 9.6	112.5 4.43	127 5	127 5	5/8X105	UL FM
150X65 6X2½	165.1X76.1 6.500X3.000	300 2.07	70 2.75	244 9.6	112.5 4.43	127 5	127 5	5/8×105 M16X108	UL FM
150X80 6X3	165.1X88.9 6.500X3.500	300 2.07	89 3.5	244 9.6	132 5.2	141 5.55	141 5.55	5/8×105 M16X108	UL FM
150X40 6X1½	168.3X48.3 6.625X1.900	300 2.07	51 2	247 9.72	95 3.74	128 5.04	128 5.04	5/8×105 M16X108	UL FM
150X50 6X2	168.3X60.3 6.625X2.375	300 2.07	64 2.5	247 9.72	114 4.49	134 5.28	134 5.28	5/8×105 M16X108	UL FM
150X65 6X2½	168.3X73.0 6.625X2.875	300 2.07	70 2.75	247 9.72	115 4.53	134 5.28	134 5.28	5/8×105 M16X108	UL FM
150X80 6X3	168.3×88.9 6.625×3.500	300 2.07	89 3.5	247 9.72	132 5.2	141 5.55	141 5.55	5/8×105 M16X108	UL FM
150X100 159.0X108.0	159.1X108.0 6.250X4.250	300 2.07	114 4.50	244 9.60	154 6.06	133 5.24	133 5.24	5/8×105 M16X108	-
150X100 159.0X4	159.1X114.3 6.250X4.500	300 2.07	114 4.50	244 9.60	159 6.26	125 4.92	125 4.92	5/8×105 M16X108	-
150X40 61/2ODX11/2	165.1X48.3 6.500X1.900	300 2.07	51 2.00	244 9.60	93 3.66	128.5 5.06	128.5 5.06	5/8×105 M16X108	-
150X100 61/2OD X4	165.1X114.3 6.500X4.500	300 2.07	114 4.50	244 9.60	154 6.06	135 5.32	135 5.32	5/8×105 M16X108	-
150X65 6X76.1	168.3X76.1 6.625X3.000	300 2.07	70 2.75	247 9.72	112.5 4.43	135 5.32	135 5.32	5/8×105 M16X108	-
150X100 6X4	168.3X114.3 6.625X4.500	300 2.07	114 4.50	247 9.72	160 6.30	138 5.43	138 5.43	5/8×105 M16X108	UL FM
200X50 8X2	219.1X60.3 8.625X2.375	300 2.07	64 2.5	320 12.6	118 4.65	158 6.22	158 6.22	3/4×115 M20X115	-
200X65 8X2½	219.1X76.1 8.625X3.000	300 2.07	70 2.75	320 12.6	118 4.65	158 6.22	158 6.22	3/4×115 M20X115	-
200X80 8X3	219.1X88.9 8.625X3.500	300 2.07	89 3.5	320 12.6	136.5 5.37	161 6.34	161 6.34	3/4×115 M20X115	-
200X100 8X4	219.1X108.0 8.625X4.250	300 2.07	114 4.50	320 12.60	162 6.38	161 6.34	161 6.34	3/4×115 M20X115	-
200X100 8X4	219.1X114.3 8.625X4.500	300 2.07	114 4.5	320 12.6	162 6.38	161 6.34	161 6.34	3/4×115 M20X115	-
250X65 10X2½	273.0X76.1 10.750X3.000	300 2.07	70 2.75	376 14.8	118 4.65	189 7.44	189 7.44	3/4×120 M20X115	-
250X80 10X3	273.0X88.9 10.750X3.500	300 2.07	89 3.5	376 14.8	136.5 5.37	189 7.44	189 7.44	3/4×120 M20X115	-
250X100 10X4	273.0X108.0 10.75X4.250	300 2.07	114 4.50	376 14.80	164 6.46	189 7.44	189 7.44	3/4×115 M20X115	-
250X100 10X4	273.0X114.3 10.750X4.500	300 2.07	114 4.5	376 14.8	164 6.46	189 7.44	189 7.44	3/4×120 M20X115	UL FM

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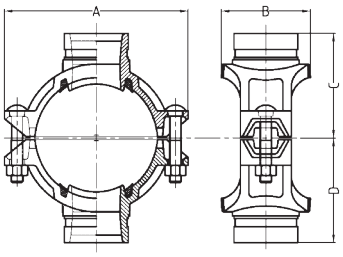
Yivli Kruva Mekanik Te
Mechanical Cross
Grooved Outlet



Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Delik Çapı Hole Dia mm/in +1.6,0/+0.063,0	Ölçüler/Dimensions				Civata Ölçüsü Bolt Size mm/in
				A mm/in	B mm/in	C mm/in	D mm/in	
80×25 3×1	88.9×33.7 3.500×1.315	300 2.07	38 1.50	150 5.91	71.0 2.80	84 3.31	84 3.31	1/2×70 M12X76
80×32 3×1¼	88.9×42.4 3.500×1.660	300 2.07	51 2.00	150 5.91	84.5 3.33	84 3.31	84 3.31	1/2×70 M12X76
80×40 3×1½	88.9×48.3 3.500×1.900	300 2.07	51 2.00	150 5.91	84.5 3.33	84 3.31	84 3.31	1/2×70 M12X76
80×50 3×2	88.9×60.3 3.500×2.375	300 2.07	64 2.50	150 5.91	98 3.86	84 2.19	84 2.19	1/2×75 M12X76
100×25 4×1	114.3×33.7 4.500×1.315	300 2.07	38 1.50	178 7.01	77.5 3.05	98 3.86	98 3.86	1/2×70 M12X76
100×40 4×1½	114.3×48.3 4.500×1.900	300 2.07	51 2.00	178 7.01	88 3.46	98 3.86	98 3.86	1/2×70 M12X76
100×50 4×2	114.3×60.3 4.500×2.375	300 2.07	64 2.50	178 7.01	103.5 4.07	98 3.86	98 3.86	1/2×70 M12X76
100×65 4×21/2	114.3×73.0 4.500×2.875	300 2.07	70 2.75	178 7.01	103.5 4.07	98 3.86	98 3.86	1/2×75 M12X76
100×65 4×76.1	114.3×76.1 4.500×3.000	300 2.07	70 2.75	178 7.01	103.5 4.07	98 3.86	98 3.86	1/2×75 M12X76
100×80 4×3	114.3×88.9 4.500×3.500	300 2.07	89 3.50	178 7.01	124 4.88	98 3.86	98 3.86	1/2×75 M12X76
125×50 139.7×2	139.7×60.3 5.500×2.375	300 2.07	64 2.50	210 8.27	110 4.33	113 4.45	113 4.45	5/8×85 M16X85
125×65 139.7×76.1	139.7×76.1 5.500×3.000	300 2.07	70 2.75	210 8.27	110 4.33	113 4.45	113 4.45	5/8×85 M16X85
125×80 139.7×3	139.7×88.9 5.500×3.500	300 2.07	89 3.50	210 8.27	130 5.12	113 4.45	113 4.45	5/8×85 M16X85
125×100 139.7×4	139.7×114.3 5.500×4.500	300 2.07	114 4.50	210 8.27	153 6.02	115 4.52	115 4.52	5/8×85 M16X85
150×50 165.1×2	165.1×60.3 6.500×2.375	300 2.07	64 2.50	235 9.25	110 4.33	124.5 4.90	124.5 4.90	5/8×105 M16X108
150×65 165.1×76.1	165.1×76.1 6.500×3.000	300 2.07	70 2.75	235 9.25	110 4.33	124.5 4.90	124.5 4.90	5/8×105 M16X108
150×80 165.1×3	165.1×88.9 6.500×3.500	300 2.07	89 3.50	235 9.25	130 5.12	124.5 4.90	124.5 4.90	5/8×105 M16X108
150×32 6×1¼	168.3×42.4 6.500×1.660	300 2.07	51 2.00	240 9.45	92.5 3.64	126 4.96	126 4.96	5/8×105 M16X108
150×40 6×1½	168.3×48.3 6.500×1.900	300 2.07	51 2.00	240 9.45	92.5 3.64	126 4.96	126 4.96	5/8×105 M16X108
150×50 6×2	168.3×60.3 6.625×2.375	300 2.07	64 2.50	240 9.45	110 4.33	126 4.96	126 4.96	5/8×105 M16X108
150×65 159.0×76.1	159.1X76.1 6.250X3.000	300 2.07	70 2.75	227 8.94	110 4.33	122.5 4.83	122.5 4.83	5/8×85 M16X108
150×65 6×2½	168.3×73.0 6.625×2.875	300 2.07	70 2.75	240 9.45	110 4.33	126 4.96	126 4.96	5/8×105 M16X108
150×80 6×3	168.3×88.9 6.625×3.500	300 2.07	89 3.50	240 9.45	130 5.12	126 4.96	126 4.96	5/8×105 M16X108
150×80 159.0×88.9	159.1×88.9 6.250×3.500	300 2.07	89 3.50	227 8.94	130 5.11	122.5 4.83	122.5 4.83	5/8×85 M16X108
150×100 159.0×108.0	159.1×108.0 6.250×4.250	300 2.07	114 4.50	227 8.94	155 6.10	122.5 4.83	122.5 4.83	5/8×85 M16X108
150×100 159.0×4	159.1×114.3 6.250×4.500	300 2.07	114 4.50	227 8.94	155 4.83	122.5 4.83	122.5 4.83	5/8×85 M16X108
150×32 165.1×11/4	165.1×42.4 6.500×1.900	300 2.07	51 2.00	235 9.25	92.5 3.64	124.5 4.90	124.5 4.90	5/8×105 M16X108
150×100 165.1×4	165.1×114.3 6.500×4.500	300 2.07	114 4.50	235 9.25	155 6.10	126 4.96	126 4.96	5/8×105 M16X108
150×100 6×4	168.3×114.3 6.625×4.500	300 2.07	114 4.50	240 9.45	155 6.10	128 5.04	128 5.04	5/8×105 M16X108
200×50 8×2	219.1×60.3 8.625×2.375	300 2.07	64 2.50	300 11.81	115 4.53	155 6.10	155 6.10	5/8×105 M16X108
200×65 8×76.1	219.1×76.1 8.625×3.000	300 2.07	70 2.75	300 11.81	115 4.53	155 6.10	155 6.10	5/8×105 M16X108
200×65 8×21/2	219.1×73.0 8.625×2.875	300 2.07	70 2.75	300 11.81	117 4.60	155 6.10	155 6.10	5/8×105 M16X108
200×80 8×3	219.1×88.9 8.625×3.500	300 2.07	89 3.50	300 11.81	133.5 5.25	155 6.10	155 6.10	5/8×105 M16X108
200×100 8×4	219.1×114.3 8.625×4.500	300 2.07	114 4.50	300 11.81	159.5 6.29	160 6.30	160 6.30	5/8×105 M16X108

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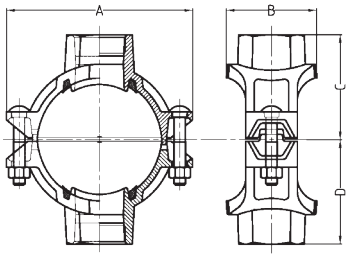
Dişli Kruva Mekanik Te
Mechanical Cross
Threaded Outlet

c UL us LISTED FM APPROVED



Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Delik Çapı Hole Dia mm/in +1.6,0/+0.063,0	Ölçüler/Dimensions				Civata Ölçüsü Bolt Size mm/in	Sertifika Certificate
				A mm/in	B mm/in	C mm/in	D mm/in		
50×25 2×1	60.3×33.7 2.375×1.315	300 2.07	38 1.50	116 4.57	68 2.68	60 2.36	60 2.36	3/8×55 M10X57	UL FM
50×32 2×11/4	60.3×42.4 2.375×1.660	300 2.07	45 1.75	116 4.57	76 2.99	65 2.56	65 2.56	3/8×55 M10X57	UL FM
50×40 2×11/2	60.3×48.3 2.375×1.900	300 2.07	45 1.75	116 4.57	76 2.99	65 2.56	65 2.56	3/8×55 M10X57	UL FM
65×20 2½×¾	73.0×26.9 2.875×1.050	300 2.07	38 1.50	137 5.39	71 2.80	68 2.68	68 2.68	1/2×70 M12X70	-
65×25 2½×1	73.0×33.7 2.875×1.315	300 2.07	38 1.50	137 5.39	71 2.80	70 2.76	70 2.76	1/2×70 M12X70	UL FM
65×32 2½×1¼	73.0×42.4 2.875×1.660	300 2.07	51 2.00	137 5.39	84.5 3.33	73 2.87	73 2.87	1/2×70 M12X70	UL FM
65×15 2½×½	76.1×21.3 3.000×0.825	300 2.07	38 1.5	137 5.39	71 2.8	61.5 2.42	61.5 2.42	1/2×70 M12X70	UL FM
65×20 2½×¾	76.1×26.9 3.000×1.059	300 2.07	38 1.5	137 5.39	71 2.8	75 3.05	75 3.05	1/2×70 M12X70	-
65×25 2½×1	76.1×33.7 3.000×1.327	300 2.07	38 1.5	137 5.39	71 2.8	75 3.05	75 3.05	1/2×70 M12X70	UL FM
65×32 2½×1¼	76.1×42.4 3.000×1.669	300 2.07	51 2.00	137 5.39	84.5 3.33	75 3.05	75 3.05	1/2×70 M12X70	UL FM
65×40 21/2×11/2	73.0×48.3 2.875×1.900	300 2.07	51 2.00	137 5.39	84.5 3.33	73 2.87	73 2.87	1/2×70 M12X70	UL FM
65×40 21/2×11/2	76.1×48.3 3.000×1.900	300 2.07	51 2.00	137 5.39	84.5 3.33	75 2.95	75 2.95	1/2×70 M12X70	UL FM
80×15 3×½	88.9×21.3 3.500×0.825	300 2.07	38 1.5	152 5.98	72.5 2.85	71.5 2.81	71.5 2.81	1/2×75 M12X76	UL FM
80X20 3×¾	88.9×26.9 3.500×1.059	300 2.07	38 1.5	152 5.98	72.5 2.85	71.5 2.81	71.5 2.81	1/2×75 M12X76	-
80×25 3×1	88.9×33.7 3.500×1.327	300 2.07	38 1.5	152 5.98	72.5 2.85	80 3.15	80 3.15	1/2×75 M12X76	UL FM
80×32 3×1¼	88.9×42.4 3.500×1.669	300 2.07	51 2.00	152 5.98	85.5 3.37	80 3.15	80 3.15	1/2×75 M12X76	UL FM
80×40 3×1½	88.9×48.3 3.500×1.900	300 2.07	51 2.00	152 5.98	85.5 3.37	80 3.15	80 3.15	1/2×75 M12X76	UL FM
80×50 3×2	88.9×60.3 3.500×2.375	300 2.07	64 2.50	152 5.98	98 3.86	80 3.15	80 3.15	1/2×75 M12X76	UL FM
100×25 108.0×1	108.0×33.7 4.250×1.315	300 2.07	38 1.50	172 6.77	78.5 3.09	87 3.43	87 3.43	1/2×75 M12X76	-
100×32 108.0×1¼	108.1×42.4 4.250×1.660	300 2.07	51 2.00	172 6.77	89 3.50	87 3.43	87 3.43	1/2×75 M12X76	UL FM
100×40 108.0×1½	108.0×48.3 4.250×1.900	300 2.07	51 2.00	172 6.77	89 3.50	87 3.43	87 3.43	1/2×75 M12X76	-
100×50 108.0×2	108.0×60.3 4.250×2.375	300 2.07	64 2.50	172 6.77	106.5 4.19	92 3.62	92 3.62	1/2×75 M12X76	-
100×15 4×½	114.3×21.3 4.500×0.825	300 2.07	38 1.5	188 7.4	78.5 3.09	90 3.54	90 3.54	1/2×75 M12X76	-
100×20 4×¾	114.3×26.9 4.500×1.059	300 2.07	38 1.5	188 7.4	78.5 3.09	90 3.54	90 3.54	1/2×75 M12X76	-
100×25 4×1	114.3×33.7 4.500×1.327	300 2.07	38 1.5	188 7.4	78.5 3.09	93 3.66	93 3.66	1/2×75 M12X76	UL FM
100×32 4×1¼	114.3×42.4 4.500×1.669	300 2.07	51 2.00	188 7.4	89 3.5	95 3.74	95 3.74	1/2×75 M12X76	UL FM
100×40 4×1½	114.3×48.3 4.500×1.900	300 2.07	51 2.00	188 7.4	89 3.5	97 3.82	97 3.82	1/2×75 M12X76	UL FM
100×50 4×2	114.3×60.3 4.500×2.375	300 2.07	64 2.5	188 7.4	104.5 4.11	100 3.94	100 3.94	1/2×75 M12X76	UL FM
100×65 108.0×21/2	108.0×76.1 4.250×3.000	300 2.07	70 2.75	172 6.77	106.5 4.19	100 3.94	100 3.94	1/2×75 M12X76	-
100×65 4×21/2	114.3×76.1 4.500×3.000	300 2.07	70 2.75	188 7.40	104.5 4.11	102 4.02	102 4.02	1/2×75 M12X76	-
100×80 4×3	114.3×88.9 4.500×3.500	300 2.07	89 3.50	188 7.40	128 5.039	102 4.02	102 4.02	1/2×75 M12X76	UL FM
125×32 133.0×11/4	133.0×42.4 5.250×1.660	300 2.07	51 2.00	209 8.23	93 3.66	105 4.13	105 4.13	5/8×85 M16X85	-
125×40 133.0×11/2	133.0×48.3 5.250×1.900	300 2.07	51 2.00	209 8.23	93 3.66	105 4.13	105 4.13	5/8×85 M16X85	-
125×50 133.0×2	133.0×60.3 5.250×2.375	300 2.07	64 2.50	209 8.23	112.5 4.43	110 4.33	110 4.33	5/8×85 M16X85	-
125×25 5×1	139.7×33.7 5.500×1.327	300 2.07	38 1.5	221.5 8.72	78 3.07	110 4.33	110 4.33	5/8×85 M16X85	UL FM

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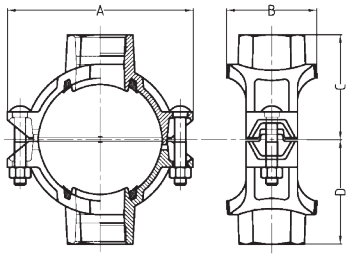
Mechanical Cross
Threaded Outlet

c UL us LISTED FM APPROVED



Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Delik Çapı Hole Dia mm/in +1.6,0/+0.063,0	Ölçüler/Dimensions				Civata Ölçüsü Bolt Size mm/in	Sertifika Certificate
				A mm/in	B mm/in	C mm/in	D mm/in		
125×32 5×1¼	139.7×42.4 5.500×1.669	300 2.07	51 2.00	221.5 8.72	95 3.74	112 4.41	112 4.41	5/8×85 M16X85	UL FM
125×40 5×1½	139.7×48.3 5.500×1.900	300 2.07	51 2.00	221.5 8.72	95 3.74	112 4.41	112 4.41	5/8×85 M16X85	UL FM
125×50 5×2	139.7×60.3 5.500×2.375	300 2.07	64 2.50	221.5 8.72	112.5 4.43	115 4.53	115 4.53	5/8×85 M16X85	UL FM
125×65 5×2½	139.7×76.1 5.500×3.000	300 2.07	70 2.75	221.5 8.72	112.5 4.43	115 4.53	115 4.53	5/8×85 M16X85	-
125×80 5×3	139.7×88.9 5.500×3.500	300 2.07	89 3.50	221.5 8.72	132 5.20	120 4.72	120 4.72	5/8×85 M16X85	UL FM
150×32 159.0×1¼	159.0×42.4 6.250×1.660	300 2.07	51 2.00	244 9.60	93 3.66	118 4.65	118 4.65	5/8×105 M16X108	-
150×40 159.0×1½	159.0×48.3 6.250×1.900	300 2.07	51 2.00	244 9.60	93 3.66	118 4.65	118 4.65	5/8×105 M16X108	-
150×50 159.0×2	159.0×60.3 6.250×2.375	300 2.07	64 2.50	244 9.60	112.5 4.43	125 4.92	125 4.92	5/8×105 M16X108	-
150×65 159.0×76.1	159.0×76.1 6.250×3.000	300 2.07	70 2.75	244 9.60	112.5 4.43	125 4.92	125 4.92	5/8×105 M16X108	-
150×15 6×½	165.1×21.3 6.500×0.825	300 2.07	38 1.50	244 9.6	78 3.07	110 4.33	110 4.33	5/8×105 M16X108	UL FM
150×20 6×¾	165.1×26.9 6.500×1.059	300 2.07	38 1.50	244 9.6	78 3.07	110 4.33	110 4.33	5/8×105 M16X108	-
150×25 6×1	165.1×33.7 6.500×1.327	300 2.07	38 1.50	244 9.6	78 3.07	118 4.65	118 4.65	5/8×105 M16X108	UL FM
150×32 6×1¼	165.1×42.4 6.500×1.669	300 2.07	51 2.00	244 9.6	93 3.66	118 4.65	118 4.65	5/8×105 M16X108	UL FM
150×40 6×1½	165.1×48.3 6.500×1.900	300 2.07	51 2.00	244 9.6	93 3.66	118 4.65	118 4.65	5/8×105 M16X108	UL FM
150×50 6×2	165.1×60.3 6.500×2.375	300 2.07	64 2.50	244 9.6	112.5 4.43	128.5 5.43	128.5 5.43	5/8×105 M16X108	UL FM
150×65 6×2½	165.1×76.1 6.500×3.000	300 2.07	70 2.75	244 9.6	112.5 4.43	128.5 5.43	128.5 5.43	5/8×105 M16X108	-
150×80 6×3	165.1×88.9 6.500×3.500	300 2.07	89 3.5	244 9.6	132 5.2	128.5 5.06	128.5 5.06	5/8×105 M16X108	UL FM
150×32 6×1¼	168.3×42.4 6.500×1.669	300 2.07	51 2.00	247 9.72	95 3.74	130 5.12	130 5.12	5/8×105 M16X108	UL FM
150×40 6×1½	168.3×48.3 6.500×1.900	300 2.07	51 2.00	247 9.72	95 3.74	122 4.8	122 4.8	5/8×105 M16X108	UL FM
150×50 6×2	168.3×60.3 6.625×2.375	300 2.07	64 2.5	247 9.72	112.5 4.43	132 5.2	132 5.2	5/8×105 M16X108	UL FM
150×65 6×2½	168.3×73.0 6.625×2.875	300 2.07	70 2.75	247 9.72	112.5 4.43	132 5.2	132 5.2	5/8×105 M16X108	UL FM
150×80 6×3	168.3×88.9 6.625×3.500	300 2.07	89 3.5	247 9.72	132 5.2	140 5.51	140 5.51	5/8×105 M16X108	UL FM
200×25 8×1	219.0×33.7 8.625×1.327	300 2.07	38 1.5	320 12.60	79.5 3.13	150 5.91	150 5.91	3/4×115 M20X115	UL FM
200×32 8×1¼	219.1×42.4 8.625×1.669	300 2.07	51 2.00	320 12.60	96.5 3.8	150 5.91	150 5.91	3/4×115 M20X115	-
200×40 8×1½	219.1×48.3 8.625×1.900	300 2.07	51 2.00	320 12.60	96.5 3.8	150 5.91	150 5.91	3/4×115 M20X115	-
200×50 8×2	219.1×60.3 8.625×2.375	300 2.07	64 2.5	320 12.60	117 4.61	160 6.3	160 6.3	3/4×115 M20X115	-
200×65 8×2½	219.1×76.1 8.625×3.000	300 2.07	70 2.75	320 12.60	118 4.65	158.5 6.24	158.5 6.24	3/4×115 M20X115	-
200×80 8×3	219.1×88.9 8.625×3.500	300 2.07	89 3.5	320 12.60	136.5 5.37	160 6.3	160 6.3	3/4×115 M20X115	-
200×100 8×4	219.1×114.3 8.625×4.500	300 2.07	114 4.5	320 12.60	164 6.46	160 6.3	160 6.3	3/4×115 M20X115	-
250×40 10×1½	273.0×48.3 10.750×1.900	300 2.07	51 2.00	376 14.8	95.5 3.76	180 7.09	180 7.09	3/4×120 M20X115	-
250×50 10×2	273.0×60.3 10.750×2.375	300 2.07	64 2.5	376 14.8	118 4.65	185 7.28	185 7.28	3/4×120 M20X115	-
250×65 10×2½	273.0×76.1 10.750×3.000	300 2.07	70 2.75	376 14.8	118 4.65	190 7.48	190 7.48	3/4×120 M20X115	-
250×80 10×3	273.0×88.9 10.750×3.500	300 2.07	89 3.5	376 14.8	136.5 5.37	190 7.48	190 7.48	3/4×120 M20X115	-
250×100 10×4	273.0×114.3 10.750×4.500	300 2.07	114 4.5	376 14.8	164 6.46	190 7.48	190 7.48	3/4×120 M20X115	-

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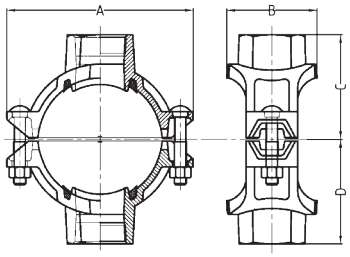
Dişli Kruva Mekanik Te
Mechanical Cross
Threaded Outlet



Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Delik Çapı Hole Dia mm/in +1.6,0/+0.063,0	Ölçüler/Dimensions				Civata Ölçüsü Bolt Size mm/in
				A mm/in	B mm/in	C mm/in	D mm/in	
80×15 3×½	88.9×21.3 3.500×0.825	300 2.07	38 1.50	150 5.91	71.0 2.80	68 2.68	68 2.68	1/2×75 M12X76
80×20 3×¾	88.9×26.9 3.500×1.050	300 2.07	38 1.50	150 5.91	71.0 2.80	68 2.68	68 2.68	1/2×75 M12X76
80×25 3×1	88.9×33.7 3.500×1.315	300 2.07	38 1.50	150 5.91	71.0 2.80	71.0 2.80	71.0 2.80	1/2×75 M12X76
80×32 3×1¼	88.9×42.4 3.500×1.660	300 2.07	51 2.00	150 5.91	84.5 3.33	74 2.91	74 2.91	1/2×75 M12X76
80×40 3×1½	88.9×48.3 3.500×1.900	300 2.07	51 2.00	150 5.91	84.5 3.33	74 2.91	74 2.91	1/2×75 M12X76
100×25 108.0×1	108.1×33.7 4.250×1.315	300 2.07	38 1.50	172 6.77	77.5 3.05	85 3.35	85 3.35	1/2×75 M12X76
100×32 108.0×1¼	108.1×42.4 4.250×1.660	300 2.07	51 2.00	172 6.77	88 3.46	85 3.35	85 3.35	1/2×75 M12X76
100×40 108.0×1½	108.0×48.3 4.250×1.900	300 2.07	51 2.00	172 6.77	88 3.46	85 3.35	85 3.35	1/2×75 M12X76
100×50 108.0×2	108.0×60.3 4.250×2.375	300 2.07	64 2.50	172 6.77	103.5 4.19	89 3.50	89 3.50	1/2×75 M12X76
100×15 4×½	114.3×21.3 4.500×0.825	300 2.07	38 1.50	178 7.01	77.5 3.05	82 3.23	82 3.23	1/2×75 M12X76
100×20 4×¾	114.3×26.9 4.500×1.050	300 2.07	38 1.50	178 7.01	77.5 3.05	82 3.23	82 3.23	1/2×75 M12X76
100×25 4×1	114.3×33.7 4.500×1.315	300 2.07	38 1.50	178 7.01	77.5 3.05	82 3.23	82 3.23	1/2×75 M12X76
100×32 4×1¼	114.3×42.4 4.500×1.660	300 2.07	51 2.00	178 7.01	88 3.46	89.5 3.53	89.5 3.53	1/2×75 M12X76
100×40 4×1½	114.3×48.3 4.500×1.900	300 2.07	51 2.00	178 7.01	88 3.46	89.5 3.53	89.5 3.53	1/2×75 M12X76
100×50 4×2	114.3×60.3 4.500×2.375	300 2.07	64 2.50	178 7.01	103.5 4.07	92 3.62	92 3.62	1/2×75 M12X76
100×65 4×21/2	108.0×76.1 4.500×3.000	300 2.07	70 2.75	172 6.77	103.5 4.07	97.5 3.84	97.5 3.84	1/2×75 M12X76
100×32 4×11/4	114.3×42.4 4.500×1.660	300 2.07	51 2.00	178 7.01	88 3.46	89.5 3.53	89.5 3.53	1/2×75 M12X76
100×65 4X21/2	114.3×76.1 4.500×3.000	300 2.07	70 2.75	178 7.01	103.5 4.07	98 3.86	98 3.86	1/2×75 M12X76
100×80 4×3	114.3×88.9 4.500×3.500	300 2.07	89 3.50	178 7.01	124 4.88	98 3.86	98 3.86	1/2×75 M12X76
125×25 133.0×1	133.0×33.7 5.250×1.315	300 2.07	38 1.50	203 7.99	77 3.03	98 3.86	98 3.86	5/8×85 M16X85
125×32 133.0×1.25	133.0×42.4 5.250×1.660	300 2.07	51 2.00	203 7.99	91 3.58	102 4.01	102 4.01	5/8×85 M16X85
125×40 133.0×1½	133.0×48.3 5.250×1.900	300 2.07	51 2.00	203 7.99	91 3.58	102 4.01	102 4.01	5/8×85 M16X85
125×50 133.0×2	133.0×60.3 5.250×2.375	300 2.07	64 2.50	203 7.99	110 4.33	105 4.13	105 4.13	5/8×85 M16X85
125×65 133.0×76.1	133.0×76.1 5.250×3.000	300 2.07	70 2.75	203 7.99	110 4.33	110 4.33	110 4.33	5/8×85 M16X85
125×25 139.7×1	139.7×33.7 5.500×1.315	300 2.07	38 1.50	210 8.27	77 3.03	100 3.94	100 3.94	5/8×85 M16X85
125×32 139.7×1¼	139.7×42.4 5.500×1.660	300 2.07	51 2.00	210 8.27	91 3.58	105 4.13	105 4.13	5/8×85 M16X85
125×40 139.7×1½	139.7×48.3 5.500×1.900	300 2.07	51 2.00	210 8.27	91 3.58	105 4.13	105 4.13	5/8×85 M16X85
125×50 139.7×2	139.7×60.3 5.500×2.375	300 2.07	64 2.50	210 8.27	110 4.33	108 4.25	108 4.25	5/8×85 M16X85
125×65 139.7×76.1	139.7×76.1 5.500×3.000	300 2.07	70 2.75	210 8.27	110 4.33	115 4.53	115 4.53	5/8×85 M16X85
125×80 133.0×3	133.0×88.9 5.250×3.500	300 2.07	89 3.50	203 7.99	132 5.20	110 4.33	110 4.33	5/8X85 M16X85
125×80 139.7×3	139.7×88.9 5.500×3.500	300 2.07	89 3.50	210 8.27	130 5.12	115 4.53	115 4.53	5/8X85 M16X85
125×100 139.7×4	139.7×114.3 5.500×4.500	300 2.07	114 4.50	210 8.27	153 6.02	118 4.65	118 4.65	5/8X85 M16X85

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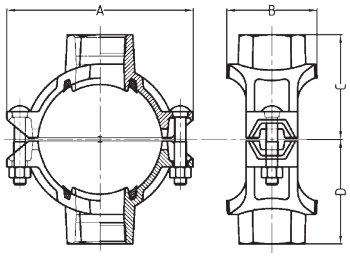
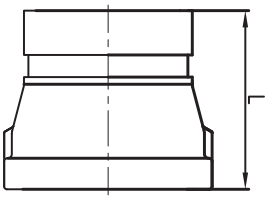
Mechanical Cross
Threaded Outlet



Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Delik Çapı Hole Dia mm/in +1.6,0/+0.063,0	Ölçüler/Dimensions				Civata Ölçüsü Bolt Size mm/in
				A mm/in	B mm/in	C mm/in	D mm/in	
150×25 159.0×1	159.0×33.7 6.250×1.315	300 2.07	38 1.50	227 8.94	77 3.03	110 4.33	110 4.33	5/8×85 M16X85
150×32 159.0×1¼	159.0×42.4 6.250×1.660	300 2.07	51 2.00	227 8.94	92.5 3.64	112 4.41	112 4.41	5/8×85 M16X85
150×40 159.0×1½	159.0×48.3 6.250×1.900	300 2.07	51 2.00	227 8.94	92.5 3.64	112 4.41	112 4.41	5/8×105 M16X108
150×50 159.0×2	159.0×60.3 6.250×2.375	300 2.07	64 2.50	227 8.94	110 4.33	116.5 4.59	116.5 4.59	5/8×105 M16X108
150×65 159.0×76.1	159.0×76.1 6.250×3.000	300 2.07	70 2.75	227 8.94	110 4.33	121.5 4.78	121.5 4.78	5/8×105 M16X108
150×80 159.0×3	159.0×88.9 6.250×3.500	300 2.07	89 3.50	227 8.94	130 5.12	123.5 4.86	123.5 4.86	5/8×105 M16X108
150×15 165.1×½	165.1×21.3 6.500×0.825	300 2.07	38 1.50	235 9.25	77 3.03	115 4.53	115 4.53	5/8×105 M16X108
125×20 165.1×¾	165.1×26.9 6.500×1.050	300 2.07	38 1.50	235 9.25	77 3.03	115 4.53	115 4.53	5/8×105 M16X108
150×25 165.1×1	165.1×33.7 6.500×1.315	300 2.07	38 1.50	235 9.25	77 3.03	115 4.53	115 4.53	5/8×105 M16X108
150×32 165.1×1¼	165.1×42.4 6.500×1.660	300 2.07	51 2.00	235 9.25	92.5 3.64	115 4.53	115 4.53	5/8×105 M16X108
150×40 165.1×1½	165.1×48.3 6.500×1.900	300 2.07	51 2.00	235 9.25	92.5 3.64	115 4.53	115 4.53	5/8×105 M16X108
150×50 165.1×2	165.1×60.3 6.500×2.375	300 2.07	64 2.50	235 9.25	110 4.33	120 4.72	120 4.72	5/8×105 M16X108
150×65 165.1×76.1	165.1×76.1 6.500×3.000	300 2.07	70 2.75	235 9.25	110 4.33	125 4.92	125 4.92	5/8×105 M16X108
150×80 165.1×3	165.1×88.9 6.500×3.500	300 2.07	89 3.50	235 9.25	130 5.12	125 4.92	125 4.92	5/8×105 M16X108
150×25 6×1	168.3×33.7 6.500×1.315	300 2.07	38 1.50	240 9.45	77 3.03	115 4.53	115 4.53	5/8×105 M16X108
150×32 6×1¼	168.3×42.4 6.500×1.660	300 2.07	51 2.00	240 9.45	92.5 3.64	115 4.53	115 4.53	5/8×105 M16X108
150×40 6×1½	168.3×48.3 6.500×1.900	300 2.07	51 2.00	240 9.45	92.5 3.64	115 4.53	115 4.53	5/8×105 M16X108
150×50 6×2	168.3×60.3 6.625×2.375	300 2.07	64 2.50	240 9.45	110 4.33	121 4.76	121 4.76	5/8×105 M16X108
150×65 6×2½	168.3×73.0 6.625×2.875	300 2.07	70 2.75	240 9.45	110 4.33	127 5.00	127 5.00	5/8×105 M16X108
150×80 6×3	168.3×88.9 6.625×3.500	300 2.07	89 3.50	240 9.45	130 5.12	127 5.00	127 5.00	5/8×105 M16X108
150×100 159.0×4	159.0×114.3 6.250×4.500	300 2.07	114 4.50	227 8.94	155 6.10	127 5.00	127 5.00	5/8×105 M16X108
150×100 165.1×4	165.1×114.3 6.500×4.500	300 2.07	114 4.50	235 9.25	155 6.10	130 5.12	130 5.12	5/8×105 M16X108
150×65 6×76.1	168.3×76.1 6.625×3.000	300 2.07	70 2.75	240 9.45	110.5 4.35	127 5.00	127 5.00	5/8×105 M16X108
150×100 6×4	168.3×114.3 6.625×4.500	300 2.07	114 4.50	240 9.45	155 6.10	130 5.12	130 5.12	5/8×105 M16X108
200×25 8×1	219.0×33.7 8.625×1.315	300 2.07	38 1.50	300 11.81	78 3.07	140 5.51	140 5.51	5/8×105 M16X108
200×32 8×1¼	219.1×42.4 8.625×1.660	300 2.07	51 2.00	300 11.81	93 3.66	140 5.51	140 5.51	5/8×105 M16X108
200×40 8×1½	219.1×48.3 8.625×1.900	300 2.07	51 2.00	300 11.81	93 3.66	143 5.63	143 5.63	5/8×105 M16X108
200×50 8×2	219.1×60.3 8.625×2.375	300 2.07	64 2.50	300 11.81	115 4.53	149 5.87	149 5.87	5/8×105 M16X108
200×65 8×76.1	219.1×76.1 8.625×3.000	300 2.07	70 2.75	300 11.81	115 4.53	155 6.10	155 6.10	5/8×105 M16X108
200×80 8×3	219.1×88.9 8.625×3.500	300 2.07	89 3.50	300 11.81	133.5 5.25	155 6.10	155 6.10	5/8×105 M16X108
200×100 8×4	219.1×114.3 8.625×4.500	300 2.07	114 4.50	300 11.81	159.5 6.29	160 6.30	160 6.30	5/8×105 M16X108

Yivli X Dişli Geçiş Parçası
Grooved Concentric
with Female Thread

Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions L mm/in	Sertifika Certificate
50 2	60.3 2.375	500 3.45	64 2.50	UL FM
65 2½	73.0 2.875	500 3.45	70 2.75	UL FM
80 3	88.9 3.500	500 3.45	70 2.75	UL FM
100 4	114.3 4.500	500 3.45	83 3.27	UL FM



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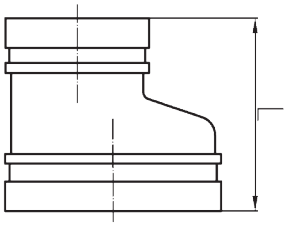
Yivli Eksantrik Redüksiyon

Grooved Eccentric Reducer

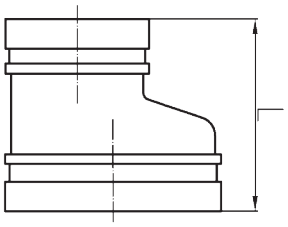
c UL us LISTED FM APPROVED



Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions L mm/in	Sertifika Certificate
40X32 $1^1/_2$X$1^1/_4$	48.3X42.4 1.900X1.660	500 3.45	89 3.50	-
50X40 2X$1^1/_2$	60.3X48.3 2.375X1.900	500 3.45	89 3.50	-
80X50 3X2	88.9X60.3 3.500X2.375	500 3.45	89 3.50	UL FM
100X65 4X$2^1/_2$	108.0X76.1 4.250X3.000	500 3.45	102 4.00	UL FM
100X80 4X3	108.0X88.9 4.250X3.500	500 3.45	102 4.00	UL FM
100X50 4X2	114.3X60.3 4.500X2.000	500 3.45	102 4.00	UL FM
100X65 4X$2^1/_2$	114.3X76.1 4.500X3.000	300 2.07	102 4.00	UL FM
100X80 4X3	114.3X88.9 4.500X3.500	500 3.45	102 4.00	UL FM
125X100 5X4	139.7X114.3 5.500X4.500	300 2.07	127 5.00	UL FM
150X100 6X4	159.0X108.0 6.250X4.250	300 2.07	140 5.50	UL FM
150X100 6X4	159.0X114.3 6.250X4.500	300 2.07	140 5.50	UL FM
150X80 6X3	165.1X88.9 6.500X3.500	300 2.07	140 5.50	UL FM
150X100 6X4	165.1X114.3 6.500X4.500	300 2.07	140 5.50	UL FM
150X125 6X5	165.1X139.7 6.500X5.500	300 2.07	140 5.50	UL FM
150X80 6X3	168.3X88.9 6.625X3.500	300 2.07	140 5.50	UL FM
150X100 6X4	168.3X114.3 6.625X4.500	300 2.07	140 5.50	UL FM
150X125 6X5	168.3X139.7 6.625X5.500	300 2.07	140 5.50	UL FM
200X100 8X4	219.1X114.3 8.625X4.500	300 2.07	215 8.50	UL FM
200X150 8X6	219.1X159.0 8.625X6.250	300 2.07	215 8.50	UL FM
200X150 8X6	219.1X165.1 8.625X6.50	300 2.07	215 8.50	UL FM
200X150 8X6	219.1X168.3 8.625X6.625	300 2.07	215 8.50	UL FM
250X200 10X8	273.0X219.1 10.750X8.625	300 2.07	215 8.50	UL FM
350X150 14X6	355.6X168.3 14.000X6.625	300 2.07	330 12.99	-
350X200 14X8	355.6X219.1 14.000X8.625	300 2.07	330 12.99	-
350X250 14X10	355.6X273.0 14.000X10.750	300 2.07	330 12.99	-
350X300 14X12	355.6X323.9 14.000X12.750	300 2.07	330 12.99	-
400X200 16X8	406.4X219.1 16.000X8.625	300 2.07	356 14.02	-
400X250 16X10	406.4X273.0 16.000X10.750	300 2.07	356 14.02	-
400X300 16X12	406.4X323.9 16.000X12.750	300 2.07	356 14.02	-
400X350 16X14	406.4X355.6 16.000X14.000	300 2.07	356 14.02	-
450X150 18X6	457.2X168.3 18.000X6.625	300 2.07	381 15.00	-
450X250 18X10	457.2X273.0 18.000X10.750	300 2.07	381 15.00	-
450X300 18X12	457.2X323.9 18.000X12.750	300 2.07	381 15.00	-
450X350 18X14	457.2X355.6 18.000X14.000	300 2.07	381 15.00	-
450X400 18X16	457.2X406.4 18.000X16.000	300 2.07	381 15.00	-

UV61

Yivli Eksantrik Redüksiyon
Grooved Eccentric Reducer



Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions L mm/in	Sertifika Certificate
500X300 20X12	508.0X323.9 20.000X12.750	300 2.07	508 20.00	-
500X350 20X14	508.0X355.6 20.000X14.000	300 2.07	508 20.00	-
500X400 20X16	508.0X406.4 20.000X16.000	300 2.07	508 20.00	-
500X450 20X18	508.0X457.2 20.000X18.000	300 2.07	508 20.00	-
600X400 24X16	609.6X406.4 24.000X16.000	300 2.07	508 20.00	-
600X450 24X18	609.6X457.2 24.000X18.000	300 2.07	508 20.00	-
600X500 24X20	609.6X508.0 24.000X20.000	300 2.07	508 20.00	-

Segment boyutları karbon çeliği borudan yapılır veya dövme karbon çeliğinden imal edilir. Ayrıntılar için üreticiyle iletişime geçin.
Segmental sizes are made of carbon steel pipe or fabricated from wrought carbon steel. Contact manufacturer for details.

UV62

Yivli X Dişli Eksantrik Redüksiyon
Grooved Eccentric Reducer with Female Thread

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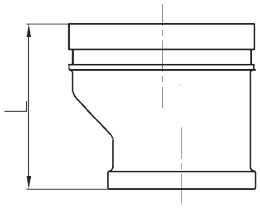

Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions L mm/in	Sertifika Certificate
100X65 4X2 1/2	114.3X76.1 4.500X3.000	300 2.07	102 4.00	UL FM
125X80 5X3	139.7X88.9 5.500X3.500	300 2.07	127 5.00	UL FM
150X80 6X3	165.1X88.9 6.500X3.500	300 2.07	140 5.50	UL FM

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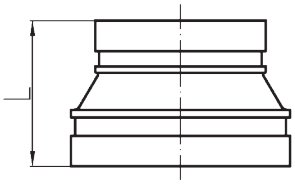
Yivli Konsantrik Redüksiyon

Grooved Concentric Reducer

c UL us LISTED FM APPROVED



Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions L mm/in	Sertifika Certificate
32X25 1 1/4X1	42.4X33.7 1.660X1.315	500 3.45	64 2.50	UL FM
40X25 1½X1	48.3X33.7 1.900X1.315	500 3.45	64 2.50	UL FM
40X32 1½X1¼	48.3X42.4 1.900X1.660	500 3.45	64 2.50	UL FM
50X25 2X1	60.3X33.7 2.375X1.315	500 3.45	64 2.50	UL FM
50X32 2X1¼	60.3X42.4 2.375X1.660	500 3.45	64 2.50	UL FM
50X40 2X1½	60.3X48.3 2.375X1.900	500 3.45	64 2.50	UL FM
65X25 2½X1	73.0x33.7 2.875X1.315	500 3.45	64 2.50	UL FM
65X32 2½X1¼	73.0X42.4 2.875X1.660	500 3.45	64 2.50	UL FM
65X40 2½X1½	73.0X48.3 2.875X1.900	500 3.45	64 2.50	UL FM
65X50 2½X2	73.0X60.3 2.875X2.375	500 3.45	64 2.50	UL FM
65X25 2½X1	76.1 X33.7 3.000X1.315	500 3.45	64 2.50	UL FM
65X32 2½X1¼	76.1X42.4 3.000X1.660	500 3.45	64 2.50	UL FM
65X40 2½X1½	76.1X48.3 3.000X1.900	500 3.45	64 2.50	UL FM
65X50 2½X2	76.1X60.3 3.000X2.375	500 3.45	64 2.50	UL FM
80X25 3X1	88.9X33.7 3.500X1.315	500 3.45	64 2.50	UL FM
80X32 3X1¼	88.9X42.4 3.500X1.660	500 3.45	64 2.50	UL FM
80X40 3X1½	88.9X48.3 3.500X1.900	500 3.45	64 2.50	UL FM
80X50 3X2	88.9X60.3 3.500X2.375	500 3.45	64 2.50	UL FM
80X65 3X2½	88.9X73.0 3.500X2.875	500 3.45	64 2.50	UL FM
80X65 3X2½	88.9X76.1 3.500X3.000	500 3.45	64 2.50	UL FM
100X50 4X2	108.0X60.3 4.250X2.375	500 3.45	76 3.00	UL FM
100X65 4X2½	108.0X73.0 4.250X2.875	500 3.45	76 3.00	UL FM
100X65 4X2½	108.0X76.1 4.250X3.000	500 3.45	76 3.00	UL FM
100X80 4X3	108.0X88.9 4.250X3.500	500 3.45	76 3.00	UL FM
100X32 4X1¼	114.3X42.4 4.500X1.660	500 3.45	76 3.00	UL FM
100X40 4X1½	114.3X48.3 4.500X1.900	500 3.45	76 3.00	UL FM
100X50 4X2	114.3X60.3 4.500X2.375	500 3.45	76 3.00	UL FM
100X65 4X2½	114.3X73.0 4.500X2.875	500 3.45	76 3.00	UL FM
100X65 4X2½	114.3X76.1 4.500X3.000	500 3.45	76 3.00	UL FM
100X80 4X3	114.3X88.9 4.500X3.500	500 3.45	76 3.00	UL FM
125X100 5X4	133.0X108.0 5.250X4.250	500 3.45	89 3.50	UL FM
125X100 15X4	133.0X114.3 5.250X4.500	500 3.45	89 3.50	UL FM
125X50 5X2	139.7X60.3 5.500X2.375	500 3.45	89 3.50	UL FM
125X65 5X2½	139.7X76.1 5.500X3.000	500 3.45	89 3.50	UL FM
125X80 5X3	139.7X88.9 5.500X3.500	500 3.45	89 3.50	UL FM

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Yivli Konsantrik Redüksiyon

Grooved Concentric Reducer

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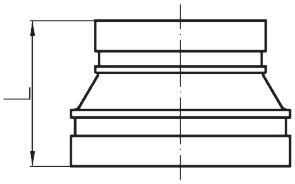

Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions L mm/in	Sertifika Certificate
125X100 5X4	139.7X114.3 5.500X4.500	500 3.45	89 3.50	UL FM
125X65 5X2½	141.3X73.0 5.563X2.875	500 3.45	89 3.50	UL FM
125X80 5X3	141.3X88.9 5.563X3.500	500 3.45	89 3.50	UL FM
125X100 5X4	141.3X114.3 5.563X4.500	500 3.45	89 3.50	UL FM
150X50 6X2	159.0X60.3 6.250X2.375	500 3.45	102 4.00	UL FM
150X65 159.0X2½	159.0X76.1 6.250X3.000	500 3.45	102 4.00	UL FM
150X80 6X3	159.0X88.9 6.250X3.500	500 3.45	102 4.00	UL FM
150X100 6X4	159.0X108 6.250X4.250	500 3.45	102 4.00	UL FM
150X100 6X4	159.0X114.3 6.250X4.500	500 3.45	102 4.00	UL FM
150X125 6X5	159.0X133.0 6.250X5.250	500 3.45	102 4.00	UL FM
150X50 6X2	165.1X60.3 6.500X2.375	500 3.45	102 4.00	FM
150X65 6X2½	165.1X76.1 6.500X3.000	500 3.45	102 4.00	FM
150X80 6X3	165.1X88.9 6.500X3.500	500 3.45	102 4.00	FM
150X100 6X4	165.1X108.0 6.500X4.250	500 3.45	102 4.00	UL FM
150X100 6X4	165.1X114.3 6.500X4.500	500 3.45	102 4.00	FM
150X125 6X5	165.1X139.7 6.500X5.500	500 3.45	102 4.00	FM
150X125 6X5	165.1X141.3 6.500X5.563	500 3.45	102 4.00	-
150X50 6X2	168.3X60.3 6.625X2.375	500 3.45	102 4.00	UL FM
150X65 6X2½	168.3X73.0 6.625X2.875	500 3.45	102 4.00	UL FM
150X65 6X2½	168.3X76.1 6.625X3.000	500 3.45	102 4.00	FM
150X80 6X3	168.3X88.9 6.625X3.500	500 3.45	102 4.00	UL FM
150X100 6X4	168.3X114.3 6.625X4.500	500 3.45	102 4.00	UL FM
150X125 6X5	168.3X139.7 6.625X5.500	500 3.45	102 4.00	FM
150X125 6X5	168.3X141.3 6.625X5.563	500 3.45	102 4.00	UL FM
200X100 8X4	216.3X114.3 8.516X4.500	500 3.45	127 5.00	FM
200X150 8X6	216.3X165.1 8.516X6.500	500 3.45	127 5.00	FM
200X65 8X2½	219.1X73.0 8.625X2.875	500 3.45	127 5.00	UL FM
200X80 8X3	219.1X88.9 8.625X3.500	500 3.45	127 5.00	UL FM
200X100 8X4	219.1X108.0 8.625X4.250	500 3.45	127 5.00	UL FM
200X100 8X4	219.1X114.3 8.625X4.500	500 3.45	127 5.00	UL FM
200X125 8X5	219.1X139.7 8.625X5.500	500 3.45	127 5.00	FM
200X125 8X5	219.1X141.3 8.625X5.563	500 3.45	127 5.00	UL FM
200X150 8X6	219.1X159.0 8.625X6.250	500 3.45	127 5.00	FM
200X150 8X6	219.1X165.1 8.625X6.500	500 3.45	127 5.00	FM
200X150 8X6	219.1X168.3 8.625X6.625	500 3.45	127 5.00	UL FM

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Yivli Konsantrik Redüksiyon

Grooved Concentric Reducer

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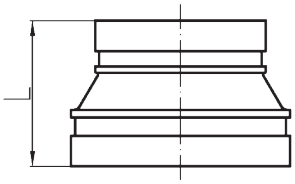

Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions L mm/in	Sertifika Certificate
250X150 10X6	273.0X159.0 10.750X6.250	500 3.45	152 6.00	FM
250X150 10X6	273.0X165.1 10.750X6.500	500 3.45	152 6.00	FM
250X150 10X6	273.0X168.3 10.750X6.625	500 3.45	152 6.00	FM
250X200 10X8	273.0X219.1 10.750X8.625	500 3.45	152 6.00	FM
300X150 12X6	323.9X168.3 12.750X6.625	500 3.45	178 7.01	UL FM
300X200 12X8	323.9X219.1 12.750X8.625	500 3.45	178 7.00	FM
300X250 12X10	323.9X273.0 12.750X10.750	500 3.45	178 7.00	FM
350X125 14X5	377.0X133.0 14.850X5.250	300 2.07	127 5.00	-
350X150 14X6	377.0X159.0 14.850X6.250	300 2.07	127 5.00	-
350X150 14X6	355.6X168.3 14.000X6.625	300 2.07	330 12.99	-
350X200 14X8	355.6X219.1 14.000X8.625	300 2.07	203 7.99	-
350X250 14X10	355.6X273.0 14.000X10.750	300 2.07	203 7.99	-
350X300 14X12	355.6X323.9 14.000X12.750	300 2.07	203 7.99	-
400X200 16X8	406.4X219.1 16.000X8.625	300 2.07	229 9.00	-
400X250 16X10	406.4X273.0 16.000X10.750	300 2.07	229 9.00	-
400X300 16X12	406.4X323.9 16.000X12.750	300 2.07	229 9.00	-
400X350 16X14	406.4X355.6 16.000X14.000	300 2.07	229 9.00	-
450X150 18X6	457.2X168.3 18.000X6.625	300 2.07	381 15.00	-
450X250 18X10	457.2X273.0 18.000X10.750	300 2.07	381 15.00	-
450X300 18X12	457.2X323.9 18.000X12.750	300 2.07	241 9.50	-
450X350 18X14	457.2X355.6 18.000X14.000	300 2.07	241 9.50	-
450X400 18X16	457.2X406.4 18.000X16.000	300 2.07	241 9.50	-
500X200 20X8	530.0X219.1 20.866X8.625	300 2.07	135 5.31	-
500X300 20X12	508.0X323.9 20.000X12.750	300 2.07	254 10.00	-
500X350 20X14	508.0X355.6 20.000X14.000	300 2.07	254 10.00	-
500X400 20X16	508.0X406.4 20.000X16.000	300 2.07	254 10.00	-
500X450 20X18	508.0X457.2 20.000X18.000	300 2.07	254 10.00	-
600X400 24X16	609.6X406.4 24.000X16.000	300 2.07	305 12.00	-
600X450 24X18	609.6X457.2 24.000X18.000	300 2.07	305 12.00	-
600X500 24X20	609.6X508.0 24.000X20.000	300 2.07	305 12.00	-

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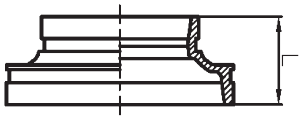
Yivli Konsantrik Redüksiyon

Grooved Concentric Reducer

LISTED APPROVED



Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions L mm/in	Sertifika Certificate
100X65 4X2½	114.3X76.1 4.500X3.000	300 2.07	57 2.25	UL FM
100X80 4X3	114.3X88.9 4.500X3.500	300 2.07	57 2.25	UL FM
125X100 5X4	139.7X114.3 5.500X4.500	300 2.07	60 2.36	UL FM
125X100 5X4	141.3X114.3 5.563X4.500	300 2.07	60 2.36	-
150X100 6X4	159.0X108 6.250X4.250	300 2.07	61 2.40	UL FM
150X100 6X4	159.0X114.3 6.250X4.500	300 2.07	61 2.40	UL FM
150X80 6X3	165.1X88.9 6.500X3.500	300 2.07	61 2.40	UL FM
150X100 6X4	165.1X114.3 6.500X4.500	300 2.07	64 2.50	UL FM
150X125 6X5	165.1X139.7 6.500X5.500	300 2.07	58 2.25	UL FM
150X80 6X3	168.3X88.9 6.625X3.500	300 2.07	61 2.40	-
150X100 6X4	168.3X114.3 6.625X4.500	300 2.07	61 2.40	UL FM
150X125 6X5	168.3X139.7 6.625X5.500	300 2.07	58 2.25	UL FM
150X125 6X5	168.3X141.3 6.625X5.563	300 2.07	58 2.25	-
200X100 8X4	219.1X114.3 8.625X4.500	300 2.07	66 2.60	UL FM
200X125 8X5	219.1X133.0 8.625X5.250	300 2.07	80 3.15	UL FM
200X150 8X6	219.1X165.1 8.625X6.500	300 2.07	66 2.60	UL FM
250X100 10X4	273.0X114.3 10.750X4.500	300 2.07	93 3.66	UL FM
250X200 10X8	273.0X219.1 10.750X8.625	300 2.07	77 3.03	UL FM
300X100 12X4	323.9X114.3 12.750X4.500	300 2.07	98 3.86	UL FM
300X150 12X6	323.9X159.0 12.750X6.250	300 2.07	98 3.86	UL FM
300X150 12X6	323.9X165.1 12.750X6.500	300 2.07	98 3.86	UL FM

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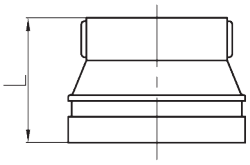
Yivli x Dişli Konsantrik Redüksiyon

Grooved Concentric Reducer with Female Thread

c UL us LISTED

FM APPROVED



Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions L mm/in	Sertifika Certificate
42X25 11/4X1	42.4X33.7 1.660X1.315	500 3.45	64 2.50	-
48X25 11/2X1	48.3X33.7 1.900X1.315	500 3.45	64 2.50	-
50X15 2X1/2	60.3X21.3 2.375X0.825	500 3.45	64 2.50	UL FM
50X20 2X3/4	60.3X26.9 2.375X1.05	500 3.45	64 2.50	UL FM
50X25 2X1	60.3X33.7 2.375X1.315	500 3.45	64 2.50	UL FM
50X32 2X1¼	60.3X42.4 2.375X1.660	500 3.45	64 2.50	UL FM
50X40 2X1½	60.3X48.3 2.375X1.900	500 3.45	64 2.50	UL FM
65X25 2½X1	73.0X33.7 2.875X1.315	500 3.45	64 2.50	UL FM
65X25 2½X1¼	73.0X42.4 2.875X1.660	500 3.45	64 2.50	UL FM
65X40 2½X1½	73.0X48.3 2.875X1.900	500 3.45	64 2.50	UL FM
65X50 2½X2	73.0X60.3 2.875X2.375	500 3.45	64 2.50	UL FM
65X15 2½X1/2	76.1X21.3 3.000X0.825	500 3.45	64 2.50	UL FM
65X20 2½X3/4	76.1X26.9 3.000X1.05	500 3.45	64 2.50	UL FM
65X25 2½X1	76.1X33.7 3.000X1.315	500 3.45	64 2.50	UL FM
65X32 2½X1¼	76.1X42.4 3.000X1.660	500 3.45	64 2.50	UL FM
65X40 2½X1½	76.1X48.3 3.000X1.900	500 3.45	64 2.50	UL FM
65X50 2½X2	76.1X60.3 3.000X2.375	500 3.45	64 2.50	UL FM
80X15 3X1/2	88.9X21.3 3.500X0.825	500 3.45	64 2.50	UL FM
80X20 3X3/4	88.9X26.9 3.500X1.05	500 3.45	64 2.50	UL FM
80X25 3X1	88.9X33.7 3.500X1.315	500 3.45	64 2.50	UL FM
80X32 3X1¼	88.9X42.4 3.500X1.660	500 3.45	64 2.50	UL FM
80X40 3X1½	88.9X48.3 3.500X1.900	500 3.45	64 2.50	UL FM
80X50 3X2	88.9X60.3 3.500X2.375	500 3.45	64 2.50	UL FM
80X65 3X2½	88.9X73.0 3.500X2.875	500 3.45	64 2.50	UL FM
80X65 3X2½	88.9X76.1 3.500X3.000	500 3.45	64 2.50	UL FM
100X25 4X1	108.0X33.7 4.250X1.315	500 3.45	76 3.00	UL FM
100X32 4X1¼	108.0X42.4 4.250X1.660	500 3.45	76 3.00	UL FM
100X40 4X1½	108.0X48.3 4.250X1.900	500 3.45	76 3.00	UL FM
100X50 4X2	108.0X60.3 4.250X2.375	500 3.45	76 3.00	UL FM
100X65 4X2½	108.0X76.1 4.250X3.000	500 3.45	76 3.00	UL FM
100X80 4X3	108.0X88.9 4.250X3.500	500 3.45	76 3.00	UL FM
100X15 4X1/2	114.3X21.3 4.500X0.825	500 3.45	76 3.00	UL FM
100X20 4X3/4	114.3X26.9 4.500X1.05	500 3.45	76 3.00	UL FM
100X25 4X1	114.3X33.7 4.500X1.315	500 3.45	76 3.00	UL FM
100X32 4X1¼	114.3X42.4 4.500X1.660	500 3.45	76 3.00	UL FM
100X40 4X1½	114.3X48.3 4.500X1.900	500 3.45	76 3.00	UL FM
100X50 4X2	114.3X60.3 4.500X2.375	500 3.45	76 3.00	UL FM
100X65 4X2½	114.3X73.0 4.500X2.875	500 3.45	76 3.00	UL FM
100X65 4X2½	114.3X76.1 4.500X3.000	500 3.45	76 3.00	UL FM

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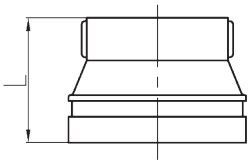
Yivli x Dişli Konsantrik Redüksiyon

Grooved Concentric Reducer with Female Thread

c UL us LISTED FM APPROVED

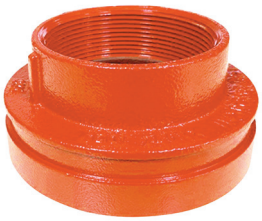


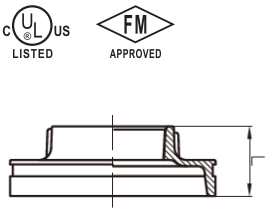
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions L mm/in	Sertifika Certificate
100X80 4X3	114.3X88.9 4.500X3.500	500 3.45	76 3.00	UL FM
125X20 5X3/4	139.7X26.9 5.500X1.05	500 3.45	89	UL FM
125X40 5X1½	133.0X48.3 5.250X1.900	500 3.45	89 3.50	UL FM
125X40 5X2	133.0X60.3 5.250X2.375	500 3.45	89 3.50	FM
125X65 5X2½	133.0X76.1 5.250X3.000	500 3.45	89 3.50	UL FM
125X65 5X3	133.0X88.9 5.250X3.500	500 3.45	89 3.50	FM
125X25 5X1	139.7X33.7 5.500X1.315	500 3.45	89 3.50	UL FM
125X32 5X1¼	139.7X42.4 5.500X1.660	500 3.45	89 3.50	UL FM
125X40 5X1½	139.7X48.3 5.500X1.900	500 3.45	89 3.50	UL FM
125X50 5X2	139.7X60.3 5.500X2.375	500 3.45	89 3.50	UL FM
125X65 5X2½	139.7X76.1 5.500X3.000	500 3.45	89 3.50	UL FM
125X80 5X3	139.7X88.9 5.500X3.500	500 3.45	89 3.50	UL FM
125X100 5X4	139.7X114.3 5.500X4.500	500 3.45	89 3.50	UL FM
125X100 5X4	141.3X114.3 5.563X4.500	500 3.45	89 3.50	UL FM
150X20 6X3/4	159.0X26.9 6.250X1.05	500 3.45	102 4.00	UL FM
150X25 6X1	159.0X33.7 6.250X1.315	500 3.45	102 4.00	UL FM
150X32 6X1¼	159.0X42.4 6.250X1.660	500 3.45	102 4.00	UL FM
150X40 6X1½	159.0X48.3 6.250X1.900	500 3.45	102 4.00	UL FM
150X50 6X2	159.0X60.3 6.250X2.375	500 3.45	102 4.00	UL FM
150X65 6X2½	159.0X76.1 6.250X3.000	500 3.45	102 4.00	UL FM
150X80 6X3	159.0X88.9 6.250X3.500	500 3.45	102 4.00	UL FM
150X100 6X4	159.0X114.3 6.250X4.500	500 3.45	102 4.00	UL FM
150X15 6X1/2	165.1X21.3 6.500X0.825	500 3.45	102 4.00	UL FM
150X20 6X3/4	165.1X26.9 6.500X1.05	500 3.45	102 4.00	UL FM
150X25 6X1	165.1X33.7 6.500X1.315	500 3.45	102 4.00	UL FM
150X32 6X1¼	165.1X42.4 6.500X1.660	500 3.45	102 4.00	UL FM
150X40 6X1½	165.1X48.3 6.500X1.900	500 3.45	102 4.00	UL FM
150X50 6X2	165.1X60.3 6.500X2.375	500 3.45	102 4.00	UL FM
150X65 6X2½	165.1X76.1 6.500X3.000	500 3.45	102 4.00	UL FM
150X80 6X3	165.1X88.9 6.500X3.500	500 3.45	102 4.00	UL FM
150X100 6X4	165.1X114.3 6.500X4.500	500 3.45	102 4.00	UL FM
150X25 6X1	168.3X33.7 6.625X1.315	500 3.45	102 4.00	UL
150X50 6X2	168.3X60.3 6.625X2.375	500 3.45	102 4.00	UL FM
200X40 8X1½	219.1X48.3 8.625X1.900	500 3.45	127 5.00	UL FM
200X50 8X2	219.1X60.3 8.625X2.375	500 3.45	127 5.00	UL FM
200X65 8X2½	219.1X76.1 8.625X3.000	500 3.45	127 5.00	UL FM
200X80 8X3	219.1X88.9 8.625X3.500	500 3.45	127 5.00	UL FM
200X100 8X4	219.1X114.3 8.625X4.500	500 3.45	127 5.00	UL FM

UV66

Yivli x Dişli Konsantrik Redüksiyon

Grooved Concentric Reducer with Female Thread



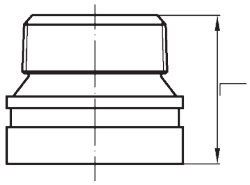


Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions L mm/in	Sertifika Certificate
65X50 2½X2	76.1X60.3 3.000X2.375	300 2.07	47.5 1.87	UL FM
80X50 3X2	88.9X60.3 3.500X2.375	300 2.07	47.5 1.87	UL FM
80X65 3X2½	88.9X76.1 3.500X3.000	300 2.07	53 2.09	UL FM
100X65 4X2½	108.0X76.1 4.250X3.000	300 2.07	54 2.13	UL FM
100X80 4X3	108.0X88.9 4.250X3.500	300 2.07	56 2.20	UL FM
100X40 4X1½	114.3X48.3 4.500X1.900	300 2.07	48 1.89	UL FM
100X50 4X2	114.3X60.3 4.500X2.375	300 2.07	49 1.93	UL FM
100X65 4X2½	114.3X76.1 4.500X3.000	300 2.07	54 2.13	UL FM
100X80 4X3	114.3X88.9 4.500X3.500	300 2.07	56 2.20	UL FM
150X80 6X3	159.0X88.9 6.250X3.500	300 2.07	56 2.20	FM
150X100 6X4	159.0X114.3 6.250X4.500	300 2.07	57 2.24	FM
150X50 6X2	165.1X60.3 6.500X2.375	300 2.07	51 2.01	UL FM
150X65 6X2½	165.1X76.1 6.500X3.000	300 2.07	54 2.13	UL FM
150X80 6X3	165.1X88.9 6.500X3.500	300 2.07	56 2.20	UL FM
150X100 6X4	165.1X114.3 6.500X4.500	300 2.07	57 2.24	UL FM
200X25 8X1	219.1X33.7 8.625X1.315	300 2.07	80 3.15	UL FM

UV67

Yivli X (Dış) Dişli Konsantrik Redüksiyon

Grooved Concentric Reducer with Male Thread



Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions L mm/in	Sertifika Certificate
50X25 2X1	60.3X33.7 2.375X1.315	500 3.45	64 2.50	UL
50X32 2X1¼	60.3X42.4 2.375X1.660	500 3.45	64 2.50	UL
50X40 2X1½	60.3X48.3 2.375X1.900	500 3.45	64 2.50	UL
65X25 2½X1	73.0X33.7 2.875X1.315	500 3.45	64 2.50	UL
65X32 2½X1¼	73.0X42.4 2.875X1.660	500 3.45	64 2.50	UL
65X40 2½X1½	73.0X48.3 2.875X1.900	500 3.45	64 2.50	UL
65X50 2 1/2X2	73.0X60.3 2.875X2.375	500 3.45	64 2.50	UL FM
65X50 2 1/2X2	76.1X60.3 3.000X2.375	500 3.45	64 2.50	UL FM
80X25 3X1	88.9X33.7 3.500X1.315	500 3.45	64 2.50	UL FM
80X40 3X1½	88.9X48.3 3.500X1.900	500 3.45	64 2.50	UL
80X50 3X2	88.9X60.3 3.500X2.375	500 3.45	64 2.50	UL
80X65 3X2½	88.9X73.0 3.500X2.875	500 3.45	64 2.50	UL
100X25 4X1	114.3×33.7 4.500×1.315	500 3.45	76.1 3.000	UL
100X40 4X1½	114.3X48.3 4.500X1.900	500 3.45	76.1 3.000	UL
100X50 4X2	114.3X60.3 4.500X2.375	500 3.45	76 3.00	UL FM
100X65 4X2½	114.3X73.0 4.500X2.875	500 3.45	76.1 3.000	UL
100X80 4X3	114.3X88.9 4.500X3.500	500 3.45	76.1 3.000	UL

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Kap
Cap

c UL us LISTED FM APPROVED

Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions L mm/in	Sertifika Certificate
25 1	33.7 1.315	500 3.45	22.1 0.87	UL
32 1¼	42.4 1.660	500 3.45	23.5 0.93	UL FM
40 1½	48.3 1.900	500 3.45	23.5 0.93	UL FM
50 2	60.3 2.375	500 3.45	23.5 0.93	UL FM
65 2½	73.0 2.875	500 3.45	23.5 0.93	UL FM
65 2½	76.1 3.000	500 3.45	24.5 0.96	UL FM
80 3	88.9 3.500	500 3.45	24 0.94	UL FM
100 4	108.0 4.250	500 3.45	27 1.06	UL
100 4	114.3 4.500	500 3.45	27 1.06	UL FM
25 5	133.0 5.250	500 3.45	25.5 1.00	UL
125 5	139.7 5.500	500 3.45	25.5 1.00	UL FM
125 5	141.3 5.563	500 3.45	25.5 1.00	UL FM
150 6	159.0 6.250	500 3.45	27 1.06	UL
150 6	165.1 6.500	500 3.45	27 1.06	UL FM
150 6	168.3 6.625	500 3.45	24.5 0.97	UL FM
200 8	216.3 8.516	500 3.45	30 1.18	UL
200 8	219.1 8.625	500 3.45	30 1.18	UL FM
250 10	273.0 10.750	500 3.45	32 1.26	UL FM
300 12	318.5 12.539	500 3.45	32 1.26	-
300 12	323.9 12.750	500 3.45	32 1.26	UL FM
350 14	355.6 14.000	300 2.07	165 6.50	-
400 16	406.4 16.000	300 2.07	178 7.00	-
450 18	457.2 18.000	300 2.07	203 8.00	-
500 20	508.0 20.000	300 2.07	229 9.00	-
600 24	609.6 24.000	300 2.07	267 10.50	-

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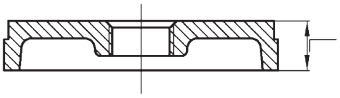
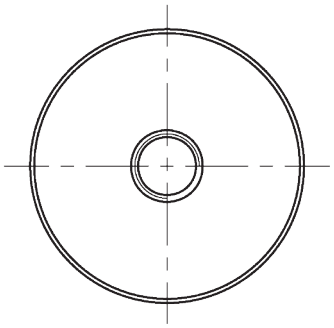
Konsantrik Delikli Kap
Cap with Concentric Hole

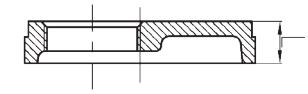
c UL us LISTED FM APPROVED

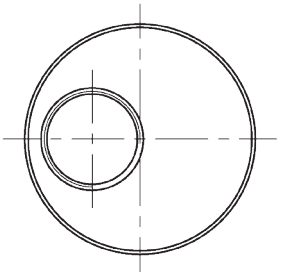




Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions L mm/in	Sertifika Certificate
50X25 2X1	60.3X33.7 2.375X1.315	500 3.45	23.5 0.93	-
65X25 2½X1	76.1X33.7 3.000X1.315	500 3.45	24.5 0.96	-
65X40 2½X1½	76.1X48.3 3.000X1.900	500 3.45	23.5 0.925	UL
65X50 2½X2	76.1X60.3 3.000X2.375	500 3.45	24 0.94	-
80X15 3X1/2	88.9X21.3 3.500X0.825	500 3.45	25.4 1.00	UL FM
80X25 3X1	88.9X33.7 3.500X1.315	500 3.45	24 0.94	UL FM
80X40 3X1½	88.9X48.3 3.500X1.900	500 3.45	23.5 0.925	UL FM
80X50 3X2	88.9X60.3 3.500X2.375	500 3.45	23.5 0.925	UL
100X15 4X1/2	114.3X21.3 4.500X0.825	500 3.45	27.0 1.06	UL
100X25 4X1	114.3X33.7 4.500X1.315	500 3.45	27.0 1.06	UL
100X40 4X1½	114.3X48.3 4.500X1.900	500 3.45	25.4 1.00	UL
100X50 4X2	114.3X60.3 4.500X2.375	500 3.45	25.4 1.00	UL
125X50 5X2	139.7X60.3 5.500X2.375	500 3.45	27 1.06	UL
150X15 6X1/2	165.1X21.3 6.500X0.825	500 3.45	27 1.06	UL
150X15 6X1/2	168.3X21.3 6.625X0.825	500 3.45	25.4 1.00	UL FM
150X25 6X1	159.0X33.7 6.250X1.315	500 3.45	27 1.06	-
150X25 6X1	165.1X33.7 6.500X1.315	500 3.45	27 1.06	UL
150X25 6X1	168.3X33.7 6.625X1.315	500 3.45	25.4 1.00	-
150X50 6X2	165.1X60.3 6.500X2.375	500 3.45	27 1.06	UL
150X40 6X11/2	168.3X48.3 6.625X1.900	500 3.45	27 1.06	UL
150X50 6X2	168.3X60.3 6.625X2.375	500 3.45	27 1.06	UL FM
200X25 8X1	219.1X33.7 8.625X1.315	500 3.45	30 1.18	UL FM

Eksantrik Delikli Kap
Cap with Eccentric Hole



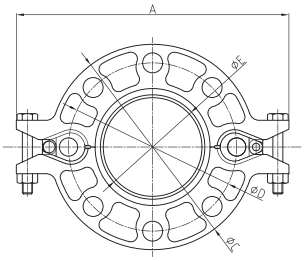


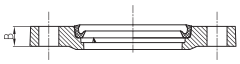
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions L mm/in	Sertifika Certificate
65X25 21/2X1	76.1X33.7 3000X1.315	500 3.45	23.5 0.925	UL FM
65X40 21/2X11/2	76.1X48.3 3.000X1.900	500 3.45	23.5 0.925	-
80X25 3X1	88.9X33.7 3.500X1.315	500 3.45	23.5 0.925	-
80X40 3X1½	88.9X48.3 3.500X1.900	500 3.45	23.5 0.925	UL FM
80X50 3X2	88.9X60.3 3.500X2.375	500 3.45	23.5 0.925	UL FM
100X25 4X1	114.3X33.7 4.500X1.315	500 3.45	27 1.06	UL FM
100X40 4X1½	114.3X48.3 4.500X1.900	500 3.45	25.4 1.00	UL FM
100X50 4X2	114.3X60.3 4.500X2.375	500 3.45	25.4 1.00	UL FM
125X25 5X1	139.7X33.7 5.500X1.315	500 3.45	27.3	-
125X40 5X1½	139.7X48.3 5.500X1.900	500 3.45	25.4 1.00	UL FM
125X50 5X2	139.7X60.3 5.500X2.375	500 3.45	25.4 1.00	UL FM
150X40 6X1½	165.1X48.3 6.500X1.900	500 3.45	25.4 1.00	UL FM
150X40 6X1½	168.3X48.3 6.625X1.900	500 3.45	25.4 1.00	UL FM
150X50 6X2	168.3X60.3 6.625X2.375	500 3.45	25.4 1.00	UL FM
200X40 8X1½	219.1X48.3 8.625X1.900	500 3.45	30.2 1.19	UL FM
200X50 8X2	219.1X60.3 8.625X2.375	500 3.45	30.2 1.19	UL FM
250X40 10X11/2	273.0X48.3 10.750X1.900	500 3.45	33.1	-
300X40 12X11/2	323.9X48.3 12.750X1.900	500 3.45	31.2	-

UV80

PN16
Yivli Flanş Adaptörü
Grooved Flange

LISTED APPROVED



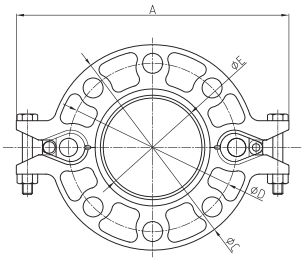


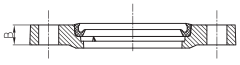
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions A mm/in	B mm/in	C mm/in	D mm/in	E mm/in	Civata Somunu Bolt/Nut Ölçü No.-SIZE mm/in		Sertifika Certificate
40 1½	48.3 1.900	300 2.07	195 7.68	18.5 0.73	150 5.90	110 4.33	45.4 1.78	2-M10X50	4-M16	UL FM
50 2	60.3 2.375	300 2.07	220 8.66	18.5 0.73	165 6.50	125 4.92	57.5 2.26	2-M10X50	4-M16	UL FM
65 76.1	76.1 3.000	300 2.07	235 9.25	18.5 0.73	185 7.28	145 5.71	72.7 2.86	2-M10X50	4-M16	UL FM
80 3	88.9 3.500	300 2.07	255 10.04	18.5 0.73	195 7.68	160 6.30	85.5 3.37	2-M10X50	8-M16	UL FM
100 108.0	108.0 4.250	300 2.07	279 10.98	18.5 0.73	220 8.66	180 7.09	104.5 4.11	2-M10X50	8-M16	UL FM
100 4	114.3 4.500	300 2.07	279 10.98	18.5 0.73	224 8.82	180 7.09	110.5 4.35	2-M10X50	8-M16	UL FM
125 5	133.0 5.250	300 2.07	312 12.28	21.5 0.85	250 9.84	210 8.27	129.2 5.08	2-M12X65	8-M16	UL FM
125 5	139.7 5.500	300 2.07	320 12.60	23 0.91	250 9.84	210 8.27	135.5 5.33	2-M12X65	8-M16	UL FM
150 6	159.0 6.25	300 2.07	346 13.62	21.5 0.85	280 11.00	240 9.45	154.8 6.10	2-M12X65	8-M20	UL FM
150 6	165.1 6.500	300 2.07	346 13.62	21.5 0.85	280 11.00	240 9.45	160.8 6.33	2-M12X65	8-M20	UL FM
150 6	168.3 6.625	300 2.07	346 13.62	24 0.94	280 11.00	240 9.45	164.3 6.47	2-M12X65	8-M20	UL FM
200 8	219.1 8.625	300 2.07	414.3 16.31	30 1.18	340 13.39	295 11.61	214.9 8.46	2-3/8X70 2-M10X70	12-M20	UL FM
250 10	273.0 10.750	300 2.07	480 18.90	25.5 1.00	405 15.94	355 13.98	268.9 10.59	2-3/8X70 2-M10X70	12-M24	UL FM
300 12	323.9 12.750	300 2.07	530.5 20.88	25.5 1.00	460 18.11	410 16.14	318.9 12.56	2-3/8X70 2-M10X70	12-M24	UL FM
350 14	355.6 14.000	300 2.07	580 22.83	30 1.18	520 20.47	470 18.50	350.6 13.80	-	16-M24	UL
400 16	406.4 16.000	300 2.07	630 24.80	32 1.26	580 22.83	525 20.67	401.5 15.81	-	16-M27	-
450 18	457.2 18.000	300 2.07	693 27.28	36 1.42	640 25.20	585 23.03	452.2 17.80	-	20-M27	-
500 20	508.0 20.000	300 2.07	770 30.31	36 1.42	715 28.15	650 25.59	503 19.80	-	20-M30	-
600 24	609.6 24.000	300 2.07	895 35.24	40 1.57	840 33.07	770 30.31	601.6 23.69	-	20-M33	-

UV80

PN25
Yivli Flanş Adaptörü
Grooved Flange

LISTED APPROVED

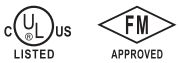


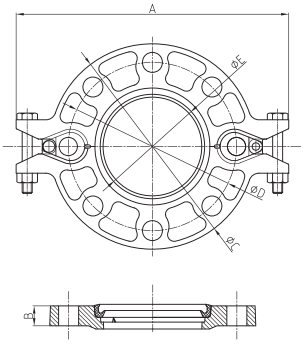


Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions A mm/in	B mm/in	C mm/in	D mm/in	E mm/in	Civata Somunu Bolt/Nut Ölçü No.-SIZE mm/in		Sertifika Certificate
100 108.0	108.0 4.250	362 2.5	290 11.41	21.5 0.85	230 9.06	190 7.48	104.5 4.11	2-M10X50	8-M20	——
150 165.1	165.1 6.500	362 2.5	365 14.37	21.5 0.85	300 11.80	250 9.84	160.8 6.33	2-M12X65	8-M24	UL

UV82

Yivli Flanş Adaptörü
Grooved Flange

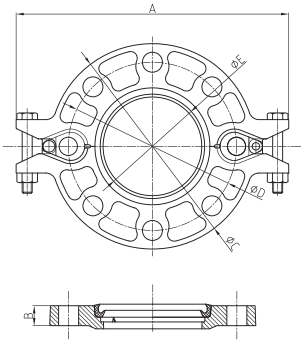




Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions A mm/in	B mm/in	C mm/in	D mm/in	E mm/in	Civata Somunu Bolt/Nut Ölçü No.-SIZE mm/in		Sertifika Certificate
50 2	60.3 2.375	300 2.07	211 8.31	18.5 0.73	150 5.91	114 4.49	57.5 2.26	2-M10X50	4-M16	UL FM
80 3	88.9 3.500	300 2.07	241 9.49	18.5 0.73	185 7.28	146 5.75	85.5 3.37	2-M10X50	4-M16	UL FM
100 4	114.3 4.500	300 2.07	270 10.63	18.5 0.73	216 8.50	178 7.00	110.5 4.35	2-M10X50	8-M16	UL FM
150 6	165.1 6.500	300 2.07	346 13.62	21.5 0.85	280 11.02	235 9.25	160.8 6.33	2-M12X65	8-M20	UL FM
200 8	219.1 8.625	300 2.07	408 16.06	24 0.94	335 13.19	292 11.50	214.9 8.46	2-3/8X70	8-M20	UL FM
250 10	273.0 10.750	200 1.4	480 18.90	25.5 1.00	406 16.00	356 14.00	268.9 10.59	-	12-3/4	-
300 12	323.9 12.750	200 1.4	530.5 20.88	25.5 1.00	457 18.00	406 16.00	318.9 12.56	-	12-7/8	-
350 14	355.6 14.000	200 1.4	580 22.83	32 1.26	527 20.75	470 18.50	350.6 13.80	-	12-7/8	-
400 16	406.4 16.000	200 1.4	630 24.80	32 1.26	578 22.76	521 20.51	401.5 15.81	-	12-7/8	-
450 18	457.2 18.000	200 1.4	693 27.28	36 1.42	641 25.24	584 23.00	452.2 17.80	-	16-7/8	-
500 20	508.0 20.000	200 1.4	770 30.31	38 1.50	705 27.76	641 25.24	503 19.80	-	16-7/8	-
600 24	609.6 24.000	200 1.4	880 34.65	42 1.65	826 32.52	756 29.76	601.6 23.69	-	16-11/8	-

UV91

ANSI 125/150
Yivli Flanş Adaptörü
Grooved Flange

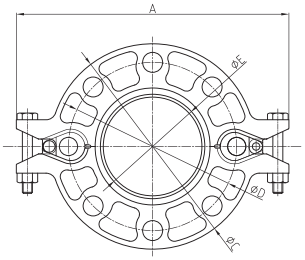


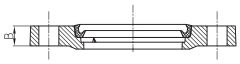
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions A mm/in	B mm/in	C mm/in	D mm/in	E mm/in	Civata Somunu Bolt/Nut Ölçü No.-SIZE mm/in		Sertifika Certificate
50 2	60.3 2.375	300 2.07	206 8.11	19 0.75	152 5.98	121 4.76	57.5 2.26	2-M10X50	4-5/8	UL
65 2½	73.0 2.875	300 2.07	230 9.05	19 0.75	178 7.00	140 5.51	69.8 2.74	2-M10X50	4-5/8	UL
65 2½	76.1 3.000	300 2.07	230 9.05	19 0.75	178 7.00	140 5.51	72.7 2.86	2-M10X50	4-5/8	——
80 3	88.9 3.500	300 2.07	246 9.68	19 0.75	191 7.52	152 5.98	85.5 3.37	2-M10X50	4-5/8	UL
100 4	114.3 4.500	300 2.07	280 11.02	19 0.75	229 9.00	191 7.52	110.5 4.35	2-M12X55	8-5/8	UL
125 5	141.3 5.563	250 1.71	320 12.60	22 0.87	254 10.00	216 8.50	137.4 5.41	2-M12X65	8-3/4	UL
150 6	168.3 6.625	300 2.07	346 13.62	24 0.94	280 11.00	241.3 9.50	164.3 6.47	2-M12X65	8-3/4	——
200 8	219.1 8.625	250 1.71	414.3 16.31	30 1.18	341.4 13.44	298.5 11.75	214.9 8.46	2-3/8X70 2-M10X70	8-3/4	UL
250 10	273.0 10.750	250 1.71	481.2 18.94	30.3 1.19	405.6 15.97	361.95 14.25	268.9 10.59	2-3/8X70 2-M10X70	12-7/8	UL
300 12	323.9 12.750	250 1.71	553.3 21.78	30.4 1.20	482.6 19.00	431.8 17.00	318.9 12.56	2-3/8X70 2-M10X70	12-7/8	UL
350 14	355.6 14.000	300 2.0	590 23.22	37 1.44	535 21.00	476.3 18.75	350.6 13.80	——	12-1	UL
400 16	406.4 16.000	300 2.0	650 25.59	37 1.44	595 23.50	539.8 21.25	401.5 15.81	——	16-1	——
450 18	457.2 18.000	300 2.0	690 27.17	40 1.56	635 25.80	577.8 22.75	452.2 17.80	——	16-11/8	——
500 20	508.0 20.000	300 2.0	765 30.12	43 1.69	700 27.50	635 25.00	503 19.80	——	20-11/8	——
600 24	609.6 24.000	300 2.0	875 34.45	49 1.94	815 32.00	749.3 29.50	601.6 23.69	——	20-11/4	——

UV92

ANSI 300
Yivli Flanş Adaptörü
Grooved Flange

c UL us LISTED FM APPROVED



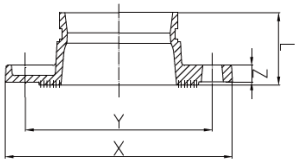


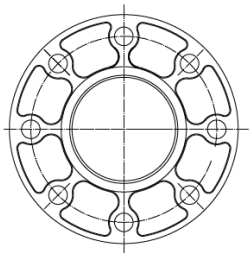
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions A mm/in	B mm/in	C mm/in	D mm/in	E mm/in	Civata Somunu Bolt/Nut Ölçü No.-SIZE mm/in		Sertifika Certificate
65 2½	73.0 2.875	500 3.45	244 9.61	24.6 0.97	190 7.48	149.2 5.87	69.1 2.72	2-M12X65	8-3/4	——
80 3	88.9 3.500	500 3.45	274 10.79	28 1.10	210 8.27	168.3 6.625	84.9 3.34	2-M12X65	8-3/4	UL
100 4	114.3 4.500	500 3.45	310 12.2	31.5 1.24	255 10.04	200 7.87	110.1 4.33	2-M12X65	8-3/4	UL
150 6	168.3 6.625	500 3.45	388 15.28	35.5 1.40	320 12.6	269.9 10.626	163.9 6.45	2-M12X65	12-3/4	UL
200 8	219.1 8.625	500 3.45	470.4 18.52	41 1.61	380 14.96	330.2 13	214.9 8.46	2-1/2X75	12-7/8	UL

UV81

PN16
Flanş Adaptörü
Adaptor Flange

c UL us LISTED FM APPROVED



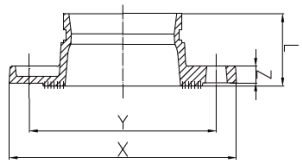


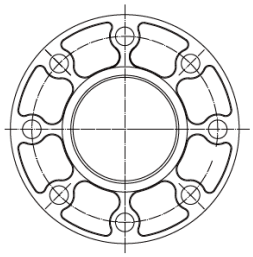
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions L mm/in	X mm/in	Y mm/in	Z mm/in	Civata Somunu Bolt/Nut Ölçü No.-SIZE mm/in	Sertifika Certificate
25 1	33.7 1.327	300 2.0	60.5 2.382	115 4.53	85 3.35	16 0.63	4-M12	UL FM
32 1¼	42.4 1.669	300 2.0	60.5 2.382	140 5.51	100 3.94	16 0.63	4-M16	UL FM
40 1½	48.3 1.902	300 2.0	60.5 2.382	150 5.91	110 4.33	16 0.63	4-M16	UL FM
50 2	57.0 2.244	300 2.07	65 2.559	165 6.50	125 4.92	16 0.63	4-M16	-
50 2	60.3 2.375	500 3.45	65 2.559	165 6.50	125 4.92	16 0.63	4-M16	UL FM
65 76.1	76.1 3.000	500 3.45	65 2.559	185 7.28	145 5.70	16 0.63	4-M16	UL FM
80 3	88.9 3.500	500 3.45	65 2.559	200 7.87	160 6.30	16 0.63	8-M16	UL FM
100 108.0	108.0 4.250	300 2.0	70 2.756	220 8.66	180 7.09	16 0.63	8-M16	UL FM
100 4	114.3 4.500	300 2.0	70 2.756	220 8.66	180 7.09	16 0.63	8-M16	UL FM
125 133.0	133 5.250	300 2.0	70 2.756	250 9.84	210 8.27	18 0.71	8-M16	UL FM
125 139.7	139.7 5.500	300 2.0	70 2.756	250 9.84	210 8.27	18 0.71	8-M16	UL FM
150 159.1	159.0 6.250	500 3.45	70 2.756	285 11.22	240 9.45	18 0.71	8-M20	UL FM
150 165.1	165.1 6.500	500 3.45	70 2.756	285 11.22	240 9.45	18 0.71	8-M20	UL FM
150 6	168.3 6.625	500 3.45	70 2.756	285 11.22	240 9.45	18 0.71	8-M20	UL FM
200 8	219.1 8.625	300 2.0	80 3.150	340 13.39	295 11.61	19 0.75	12-M20	UL FM
250 10	273.0 10.750	300 2.0	85 3.346	405 15.94	355 13.98	21 0.83	12-M24	UL FM
300 12	323.9 12.750	225 1.6	90 3.543	460 18.11	410 16.14	24 0.94	12-M24	UL FM
350 14	377.0 14.843	225 1.6	100 3.937	520 20.47	470 18.50	25 1.00	16-M24	-
400 16	426.0 16.772	225 1.6	110 4.331	580 22.83	525 20.67	27 1.06	16-M27	-
450 18	480 18.897	225 1.6	115 4.528	640 25.196	585 23.03	20 0.787	20-M27	-

UV84

PN25
Flanş Adaptörü
Adaptor Flange

c UL us LISTED FM APPROVED



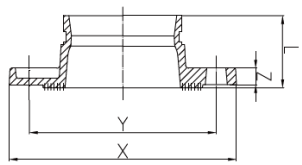


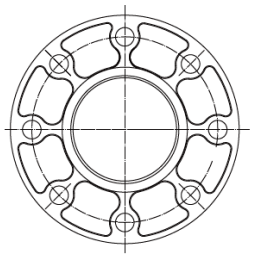
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions				Civata Somunu Bolt/Nut	Sertifika Certificate
			L mm/in	X mm/in	Y mm/in	Z mm/in	Ölçü No.-SIZE mm/in	
65 76.1	76.1 3.000	362 2.5	65 2.559	185 7.28	145 5.71	16 0.63	8-M16	——
80 3	88.9 3.500	362 2.5	65 2.559	200 7.87	160 6.30	16 0.63	8-M16	——
100 108.0	108.0 4.250	362 2.5	70 2.756	230 9.05	190 7.48	18 0.71	8-M20	UL FM
100 4	114.3 4.500	362 2.5	70 2.756	235 9.25	190 7.48	16 0.63	8-M20	UL FM
125 139.7	139.7 5.500	362 2.5	70 2.756	270 10.63	220 8.66	16 0.63	8-M24	——
150 159.0	159.0 6.250	362 2.5	70 2.756	300 11.80	250 9.85	20 0.79	8-M24	UL FM
150 165.1	165.1 6.500	362 2.5	70 2.756	300 11.80	250 9.84	18 0.71	8-M24	UL FM
200 8	219.1 8.625	362 2.5	80 3.150	360 14.17	310 12.20	19 0.75	12-M24	UL FM
250 10	273.0 10.75	362 2.5	85 3.346	425 16.73	370 14.57	22 0.87	12-M27	——
300 12	323.9 12.750	362 2.5	88 3.46	485 19.09	430 16.93	23.5 0.93	16-M27	——
350 14	355.6 14.000	362 2.5	100 3.94	555 21.85	490 19.29	26 1.02	16-M30	——
400 16	406.4 16.000	362 2.5	110 4.33	620 24.41	550 21.65	28 1.10	16-M33	——

UV93

ANSI 125/150
Flanş Adaptörü
Adaptor Flange

c UL us LISTED FM APPROVED



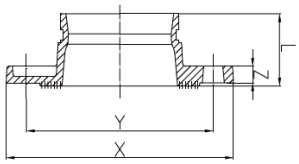


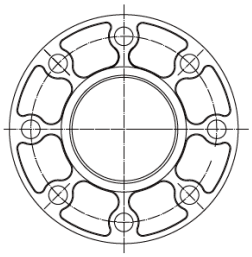
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions				Civata Somunu Bolt/Nut	Sertifika Certificate
			L mm/in	X mm/in	Y mm/in	Z mm/in	Ölçü No.-SIZE mm/in	
50 2	60.3 2.375	300 2.07	65 2.559	152 6.0	120.5 4.74	16 0.63	4-5/8	UL FM
65 2½	73.0 2.875	300 2.07	65 2.559	185 7.28	139.7 5.50	16 0.63	4-5/8	——
80 3	88.9 3.500	300 2.07	65 2.559	200 7.87	152.4 6.00	16 0.63	8-5/8	——
100 4	114.3 4.500	300 2.07	70 2.756	229 9.01	190.5 7.50	16 0.63	8-5/8	UL FM
150 6	168.3 6.625	300 2.07	70 2.756	282 11.10	241.3 9.50	18 0.71	8-3/4	——
200 8	219.1 8.625	300 2.07	75 2.953	340 13.39	298.5 11.75	19 0.75	8-3/4	UL FM
250 10	273.0 10.75	300 2.07	85 3.35	406 15.98	362 14.25	21 0.826	12-7/8	UL FM
350 14	355.6 12.750	300 2.0	127 5.00	535 21.00	476.3 18.75	37 1.44	12-1	——
400 16	406.4 16.000	300 2.0	127 5.00	595 23.50	539.8 21.25	37 1.44	16-1	——
450 18	457.2 18.000	300 2.0	140 5.50	642 25.28	577.8 22.75	40 1.56	16-11/8	——
500 20	508.0 20.000	300 2.0	152 6.00	700 27.50	635 25.00	43 1.69	20-11/8	——
600 24	609.6 24.000	300 2.0	152 6.00	815 32.00	749.3 29.50	49 1.94	20-11/4	——

UV95

PN10
Flanş Adaptörü
Adaptor Flange

c UL us LISTED FM APPROVED



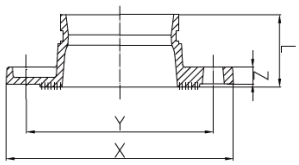


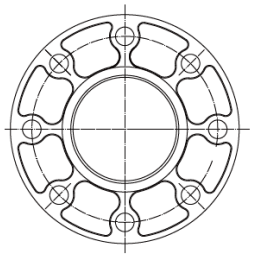
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions				Civata Somunu Bolt/Nut	Sertifika Certificate
			L mm/in	X mm/in	Y mm/in	Z mm/in	Ölçü No.-SIZE mm/in	
200 8	219.1 8.625	145 1.0	75 2.95	340 13.39	295 11.61	19 0.75	8-M20	FM
250 10	273.0 10.750	145 1.0	85 3.346	405 15.94	350 13.78	21 0.83	12-M20	FM
300 12	323.9 12.750	145 1.0	90 3.543	460 18.11	400 15.75	24 0.94	12-M20	FM

UV81

BS.TABLE "E"
Flanş Adaptörü
Adaptor Flange

FM APPROVED



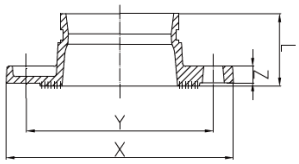


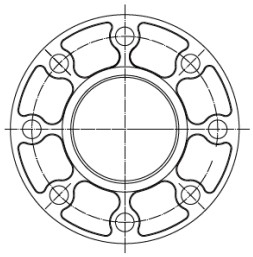
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions				Civata Somunu Bolt/Nut	Sertifika Certificate
			L mm/in	X mm/in	Y mm/in	Z mm/in	Ölçü No.-SIZE mm/in	
50 2	60.3 2.375	225 1.6	65 2.56	152 5.98	114 4.49	16 0.63	4-M16	——
65 76.1	76.1 3.000	225 1.6	70 2.756	165 6.50	127 5.00	16 0.63	4-M16	——
80 3	88.9 3.500	225 1.6	70 2.756	184 7.24	146 5.75	16 0.63	4-M16	——
100 4	114.3 4.500	225 1.6	70 2.756	216 8.50	178 7.00	16 0.63	8-M16	——
150 165.1	165.1 6.500	225 1.6	70 2.756	280 11.02	235 9.25	21 0.71	8-M20	——
200 8	219.1 8.625	225 1.6	102 4.02	337 13.27	292 11.50	19 0.75	8-M20	——
250 10	273.0 10.75	225 1.6	85 3.35	405 15.94	356 14.02	25 0.98	12-M20	——
300 12	323.9 10.750	200 1.4	102 4.02	457 18.00	406 16.00	25.5 1.00	12-7/8	——
350 14	355.6 12.750	200 1.4	127 5.00	527 20.75	470 18.50	32 1.26	12-7/8	——
400 16	406.4 16.000	200 1.4	127 5.00	578 22.76	521 20.51	32 1.26	12-7/8	——
450 18	457.2 18.000	200 1.4	140 5.50	641 25.24	584 23.00	36 1.42	16-7/8	——

UV321GJ

JIS 10K
Flanş Adaptörü
Adaptor Flange

Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions				Civata Somunu Bolt/Nut	Sertifika Certificate
			L mm/in	X mm/in	Y mm/in	Z mm/in	Ölçü No.-SIZE mm/in	
65 2½	76.3 3.00	145 1.0	65 2.559	175 6.89	140 5.51	18 0.71	4-M16	——
80 3	89.1 3.50	145 1.0	65 2.559	185 7.28	150 5.91	18 0.71	8- M16	——
100 4	114.3 4.50	145 1.0	70 2.756	210 8.27	175 6.89	18 0.71	8- M16	——
125 5	139.8 5.50	145 1.0	70 2.756	250 9.84	210 8.27	20 0.79	8-M20	——
150 6	165.2 6.50	145 1.0	70 2.756	280 11.02	240 9.45	20 0.79	8- M20	——

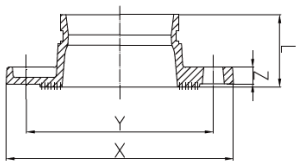


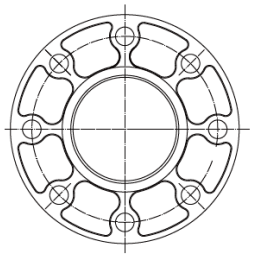


UV321GJ

JIS 16K
Flanş Adaptörü
Adaptor Flange

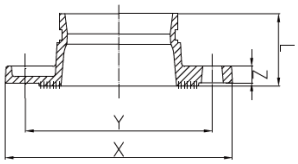
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions				Civata Somunu Bolt/Nut	Sertifika Certificate
			L mm/in	X mm/in	Y mm/in	Z mm/in	Ölçü No.-SIZE mm/in	
80 3	88.9 3.500	225 1.6	65 2.559	200 7.87	160 6.30	17 0.67	8-M20	——
100 4	114.3 4.500	225 1.6	70 2.756	225 8.86	185 7.28	19 0.75	8-M20	——
150 165.1	165.1 6.500	225 1.6	70 2.756	305 12.00	260 10.236	21 0.827	12-M22	——

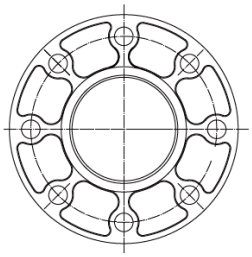




JIS 20K
Flanş Adaptörü
Adaptor Flange

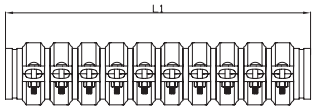
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions				Civata Somunu Bolt/Nut	Sertifika Certificate
			L mm/in	X mm/in	Y mm/in	Z mm/in	Ölçü No.-SIZE mm/in	
100 4	114.3 4.500	300 2.0	70 2.756	225 8.86	185 7.28	19 0.75	8-M20	——
150 165.1	165.1 6.500	300 2.0	70 2.756	305 12.00	260 10.236	21 0.827	12-M22	——

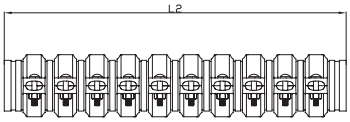




UVEJ-1N

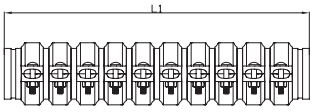
Kompansatör
Expansion Joint

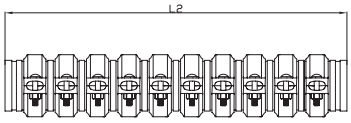




Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Hareket Movement mm/in	L1 mm/in	L2 mm/in
25 1	33.4 1.315	300 2.07	2.6 0.1	170 6.69	172.6 6.79
25 1	33.4 1.315	300 2.07	5.2 0.2	226.50 8.92	231.7 9.12
25 1	33.4 1.315	300 2.07	7.8 0.31	284 11.18	291.8 11.49
25 1	33.4 1.315	300 2.07	10.4 0.41	340.5 13.41	350.9 13.82
25 1	33.4 1.315	300 2.07	13 0.51	397 15.63	410 16.14
25 1	33.4 1.315	300 2.07	15.6 0.61	453.5 17.85	469.1 18.46
25 1	33.4 1.315	300 2.07	18.2 0.72	510 20.08	528.2 20.8
25 1	33.4 1.315	300 2.07	20.8 0.82	567.5 22.34	588.3 23.16
25 1	33.4 1.315	300 2.07	23.4 0.92	624 24.57	647.4 25.49
25 1	33.4 1.315	300 2.07	26 1.02	680.5 26.79	706.5 27.81
25 1	33.4 1.315	300 2.07	28.6 1.13	737 29.01	765.6 30.14
25 1	33.4 1.315	300 2.07	31.2 1.23	793.5 31.24	824.7 32.47
32 11/4	42.4 1.669	300 2.07	3.5 0.14	170.75 6.72	174.25 6.86
32 11/4	42.4 1.669	300 2.07	7 0.28	227.5 8.96	234.5 9.24
32 11/4	42.4 1.669	300 2.07	10.5 0.41	285.25 11.2	295.75 11.61
32 11/4	42.4 1.669	300 2.07	14 0.55	342 13.47	356 14.02
32 11/4	42.4 1.669	300 2.07	17.5 0.69	398.75 15.7	416.25 16.39
32 11/4	42.4 1.669	300 2.07	21 0.83	455.5 17.93	476.5 18.76
32 11/4	42.4 1.669	300 2.07	24.5 0.96	512.25 20.17	536.75 21.13
32 11/4	42.4 1.669	300 2.07	28 1.1	570 22.44	598 23.54
32 11/4	42.4 1.669	300 2.07	31.5 1.24	625.75 24.64	657.25 25.88
32 11/4	42.4 1.669	300 2.07	35 1.38	683.5 26.91	718.5 28.29
32 11/4	42.4 1.669	300 2.07	38.5 1.52	740.25 29.15	778.75 30.67
32 11/4	42.4 1.669	300 2.07	42 1.65	797 31.38	839 33.03
40 11/2	48.3 1.902	300 2.07	3.8 0.15	170.5 6.71	174.3 6.86
40 11/2	48.3 1.902	300 2.07	7.6 0.3	227.00 8.94	234.6 9.24
40 11/2	48.3 1.902	300 2.07	11.4 0.45	283.5 11.16	294.9 11.61
40 11/2	48.3 1.902	300 2.07	15.2 0.6	340.00 13.39	355.2 13.99
40 11/2	48.3 1.902	300 2.07	19 0.75	396.50 15.61	415.5 16.36
40 11/2	48.3 1.902	300 2.07	22.8 0.9	453.00 17.84	475.8 18.74
40 11/2	48.3 1.902	300 2.07	26.6 1.05	509.50 20.06	536.1 21.11
40 11/2	48.3 1.902	300 2.07	30.4 1.2	566.00 22.28	596.4 23.48
40 11/2	48.3 1.902	300 2.07	34.2 1.35	623.50 24.55	657.7 25.9
40 11/2	48.3 1.902	300 2.07	38 1.5	679.00 26.73	717 28.23
40 11/2	48.3 1.902	300 2.07	41.8 1.65	735.50 28.96	777.3 30.61
40 11/2	48.3 1.902	300 2.07	45.6 1.8	792.00 31.18	837.6 32.98
50 2	60.3 2.374	300 2.07	3.5 0.14	170.5 6.71	174 6.85
50 2	60.3 2.374	300 2.07	7 0.28	227.00 8.94	234 9.22
50 2	60.3 2.374	300 2.07	10.5 0.41	283.5 11.16	294 11.57

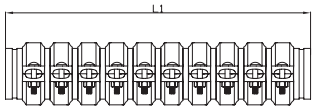
Kompansatör
Expansion Joint

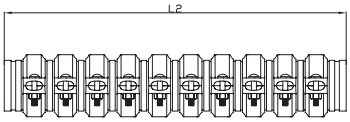




Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Hareket Movement mm/in	L1 mm/in	L2 mm/in
50 2	60.3 2.374	300 2.07	14 0.55	340.00 13.39	354 13.94
50 2	60.3 2.374	300 2.07	17.5 0.69	396.50 15.61	414 16.3
50 2	60.3 2.374	300 2.07	21 0.83	453.00 17.84	474 18.67
50 2	60.3 2.374	300 2.07	24.5 0.96	509.50 20.06	534 21.02
50 2	60.3 2.374	300 2.07	28 1.1	566.00 22.28	594 23.38
50 2	60.3 2.374	300 2.07	31.5 1.24	623.50 24.55	655 25.79
50 2	60.3 2.374	300 2.07	35 1.38	679.00 26.73	714 28.11
50 2	60.3 2.374	300 2.07	38.5 1.52	735.50 28.96	774 30.48
50 2	60.3 2.374	300 2.07	42 1.65	792.00 31.18	834 32.83
65 21/2	76.1 2.996	300 2.07	4 0.16	171 6.73	175 6.89
65 21/2	76.1 2.996	300 2.07	8 0.31	227.5 8.96	235.5 9.27
65 21/2	76.1 2.996	300 2.07	12 0.47	284.5 11.20	296.5 11.67
65 21/2	76.1 2.996	300 2.07	16 0.63	341 13.43	357 14.06
65 21/2	76.1 2.996	300 2.07	20 0.79	398 15.67	418 16.46
65 21/2	76.1 2.996	300 2.07	24 0.94	454.5 17.89	478.5 18.83
65 21/2	76.1 2.996	300 2.07	28 1.1	511.5 20.14	539.5 21.24
65 21/2	76.1 2.996	300 2.07	32 1.26	568 22.36	600 23.62
65 21/2	76.1 2.996	300 2.07	36 1.42	626 24.65	662 26.07
65 21/2	76.1 2.996	300 2.07	40 1.57	681.5 26.83	721.5 28.4
65 21/2	76.1 2.996	300 2.07	44 1.73	738.5 29.08	782.5 30.81
65 21/2	76.1 2.996	300 2.07	48 1.89	795 31.3	843 33.19
80 3	88.9 3.5	300 2.07	3.7 0.15	170.5 6.71	174.2 6.86
80 3	88.9 3.5	300 2.07	7.4 0.29	227.00 8.94	234.4 9.23
80 3	88.9 3.5	300 2.07	11.1 0.44	283.5 11.16	294.6 11.6
80 3	88.9 3.5	300 2.07	14.8 0.58	340.00 13.39	354.8 13.97
80 3	88.9 3.5	300 2.07	18.5 0.73	396.50 15.61	415 16.34
80 3	88.9 3.5	300 2.07	22.2 0.87	453.00 17.84	475.2 18.71
80 3	88.9 3.5	300 2.07	25.9 1.02	509.50 20.06	535.4 21.08
80 3	88.9 3.5	300 2.07	29.6 1.17	566.00 22.28	595.6 23.45
80 3	88.9 3.5	300 2.07	33.3 1.31	623.50 24.55	656.8 25.86
80 3	88.9 3.5	300 2.07	37 1.46	679.00 26.73	716 28.19
80 3	88.9 3.5	300 2.07	40.7 1.6	735.50 28.96	776.2 30.56
80 3	88.9 3.5	300 2.07	44.4 1.75	792.00 31.18	836.4 32.93
100 4	114.3 4.5	300 2.07	6.4 0.25	193.75 7.63	200.15 7.88
100 4	114.3 4.5	300 2.07	12.8 0.5	258.00 10.16	270.8 10.66
100 4	114.3 4.5	300 2.07	19.2 0.76	322.25 12.69	341.45 13.45
100 4	114.3 4.5	300 2.07	25.6 1.01	386.50 15.22	412.1 16.23
100 4	114.3 4.5	300 2.07	32 1.26	450.75 17.75	482.75 19.01
100 4	114.3 4.5	300 2.07	38.4 1.51	515.00 20.28	553.4 21.79

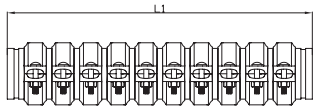
Kompansatör
Expansion Joint

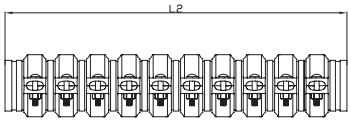




Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Hareket Movement mm/in	L1 mm/in	L2 mm/in
100 4	114.3 4.5	300 2.07	44.8 1.76	579.25 22.81	624.05 24.57
100 4	114.3 4.5	300 2.07	51.2 2.02	643.50 25.34	694.7 27.36
100 4	114.3 4.5	300 2.07	57.6 2.27	707.75 27.86	765.35 30.13
100 4	114.3 4.5	300 2.07	64 2.52	772.00 30.39	836 32.91
100 4	114.3 4.5	300 2.07	70.4 2.77	836.25 32.92	906.65 35.69
100 4	114.3 4.5	300 2.07	76.8 3.02	900.50 35.45	977.3 38.47
125 5	139.7 5.5	300 2.07	5.7 0.22	193.75 7.63	199.45 7.85
125 5	139.7 5.5	300 2.07	11.4 0.45	258.00 10.16	269.4 10.61
125 5	139.7 5.5	300 2.07	17.1 0.67	322.25 12.69	339.35 13.36
125 5	139.7 5.5	300 2.07	22.8 0.9	386.50 15.22	409.3 16.12
125 5	139.7 5.5	300 2.07	28.5 1.12	450.75 17.75	479.25 18.87
125 5	139.7 5.5	300 2.07	34.2 1.35	514.00 20.24	548.2 21.59
125 5	139.7 5.5	300 2.07	39.9 1.57	579.25 22.81	619.15 24.38
125 5	139.7 5.5	300 2.07	45.6 1.8	643.50 25.34	689.1 27.14
125 5	139.7 5.5	300 2.07	51.3 2.02	707.75 27.86	759.05 29.88
125 5	139.7 5.5	300 2.07	57 2.24	772.00 30.39	829 32.63
125 5	139.7 5.5	300 2.07	62.7 2.47	836.25 32.92	898.95 35.39
125 5	139.7 5.5	300 2.07	68.4 2.69	900.50 35.45	968.9 38.14
150 6	165.1 4.5	300 2.07	6 0.24	193.75 7.63	199.75 7.87
150 6	165.1 4.5	300 2.07	12 0.47	258.00 10.16	270 10.63
150 6	165.1 4.5	300 2.07	18 0.71	322.25 12.69	340.25 13.4
150 6	165.1 4.5	300 2.07	24 0.94	386.50 15.22	410.5 16.16
150 6	165.1 4.5	300 2.07	30 1.18	450.75 17.75	480.75 18.93
150 6	165.1 4.5	300 2.07	36 1.42	514.00 20.24	550 21.66
150 6	165.1 4.5	300 2.07	42 1.65	579.25 22.81	621.25 24.46
150 6	165.1 4.5	300 2.07	48 1.89	643.50 25.34	691.5 27.23
150 6	165.1 4.5	300 2.07	54 2.13	707.75 27.86	761.75 29.99
150 6	165.1 4.5	300 2.07	60 2.36	772.00 30.39	832 32.75
150 6	165.1 4.5	300 2.07	66 2.6	836.25 32.92	902.25 35.52
150 6	165.1 4.5	300 2.07	72 2.83	900.50 35.45	972.5 38.28
150 6	168.3 6.626	300 2.07	6.2 0.24	226.75 8.93	232.95 9.17
150 6	168.3 6.626	300 2.07	12.4 0.49	302 11.89	314.4 12.38
150 6	168.3 6.626	300 2.07	18.6 0.73	377.25 14.85	395.85 15.58
150 6	168.3 6.626	300 2.07	24.8 0.98	452.5 17.82	477.3 18.8
150 6	168.3 6.626	300 2.07	31 1.22	527.75 20.78	558.75 22
150 6	168.3 6.626	300 2.07	37.2 1.46	602.5 23.72	639.7 25.18
150 6	168.3 6.626	300 2.07	43.4 1.71	678.25 26.7	721.65 28.41
150 6	168.3 6.626	300 2.07	49.6 1.95	753.5 29.67	803.1 31.62
150 6	168.3 6.626	300 2.07	55.8 2.2	828.75 32.63	884.55 34.83

Kompansatör
Expansion Joint

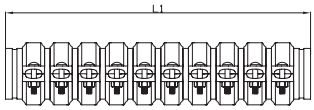


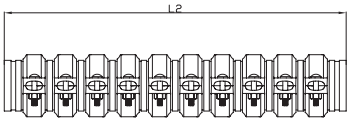


Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Hareket Movement mm/in	L1 mm/in	L2 mm/in
150 6	168.3 6.626	300 2.07	62 2.44	904 35.59	966 38.03
150 6	168.3 6.626	300 2.07	68.2 2.69	979.25 38.55	1047.45 41.24
150 6	168.3 6.626	300 2.07	74.4 2.93	1054.5 41.52	1128.9 44.45
200 8	219.1 8.626	300 2.07	6.3 0.25	226.75 8.93	233.05 9.18
200 8	219.1 8.626	300 2.07	12.6 0.5	302 11.89	314.6 12.39
200 8	219.1 8.626	300 2.07	18.9 0.74	377.25 14.85	396.15 15.59
200 8	219.1 8.626	300 2.07	25.2 0.99	452.5 17.82	477.7 18.81
200 8	219.1 8.626	300 2.07	31.5 1.24	527.75 20.78	559.25 22.02
200 8	219.1 8.626	300 2.07	37.8 1.49	603 23.74	640.8 25.23
200 8	219.1 8.626	300 2.07	44.1 1.74	678.25 26.7	722.35 28.44
200 8	219.1 8.626	300 2.07	50.4 1.98	753.5 29.67	803.9 31.65
200 8	219.1 8.626	300 2.07	56.7 2.23	828.75 32.63	885.45 34.86
200 8	219.1 8.626	300 2.07	63 2.48	904 35.59	967 38.07
200 8	219.1 8.626	300 2.07	69.3 2.73	979.25 38.55	1048.55 41.28
200 8	219.1 8.626	300 2.07	75.6 2.98	1054.5 41.52	1130.1 44.5
250 10	273 10.748	300 2.07	6.3 0.25	226.5 8.92	232.8 9.17
250 10	273 10.748	300 2.07	12.6 0.5	301.5 11.87	314.1 12.37
250 10	273 10.748	300 2.07	18.9 0.74	376.5 14.82	395.4 15.56
250 10	273 10.748	300 2.07	25.2 0.99	451.5 17.78	476.7 18.77
250 10	273 10.748	300 2.07	31.5 1.24	526.5 20.73	558 21.97
250 10	273 10.748	300 2.07	37.8 1.49	601.5 23.68	639.3 25.17
250 10	273 10.748	300 2.07	44.1 1.74	676.5 26.63	720.6 28.37
250 10	273 10.748	300 2.07	50.4 1.98	751.5 29.59	801.9 31.57
250 10	273 10.748	300 2.07	56.7 2.23	826.5 32.54	883.2 34.77
250 10	273 10.748	300 2.07	63 2.48	901.5 35.49	964.5 37.97
250 10	273 10.748	300 2.07	69.3 2.73	976.5 38.44	1045.8 41.17
250 10	273 10.748	300 2.07	75.6 2.98	1051.5 41.4	1127.1 44.38
300 12	323.9 12.752	300 2.07	6.7 0.26	227.5 8.96	234.2 .22
300 12	323.9 12.752	300 2.07	13.4 0.53	303. 11.93	316.4 12.46
300 12	323.9 12.752	300 2.07	20.1 0.79	378.5 14.9	398.6 15.69
300 12	323.9 12.752	300 2.07	26.8 1.06	454 17.87	480.8 18.93
300 12	323.9 12.752	300 2.07	33.5 1.32	529.5 20.85	563 22.17
300 12	323.9 12.752	300 2.07	40.2 1.58	603.5 23.76	643.7 25.34
300 12	323.9 12.752	300 2.07	46.9 1.85	680.5 26.79	727.4 28.64
300 12	323.9 12.752	300 2.07	53.6 2.11	756 29.76	809.6 31.87
300 12	323.9 12.752	300 2.07	60.3 2.37	831.5 32.74	891.8 35.11
300 12	323.9 12.752	300 2.07	67 2.64	907 35.71	974 38.35
300 12	323.9 12.752	300 2.07	73.7 2.9	982.5 38.68	1056.2 41.58
300 12	323.9 12.752	300 2.07	80.4 3.17	1058 41.65	1138.4 44.82

UVEJ-1NS

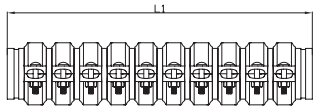
Kompansatör
Expansion Joint

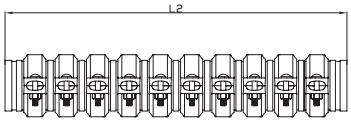




Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Hareket Movement mm/in	L1 mm/in	L2 mm/in
100 4	114.3 4.5	300 2.07	5.7 0.22	193.25 7.61	198.95 7.83
100 4	114.3 4.5	300 2.07	11.4 0.45	257.00 10.12	268.4 10.57
100 4	114.3 4.5	300 2.07	17.1 0.67	321.25 12.65	338.35 13.32
100 4	114.3 4.5	300 2.07	22.8 0.9	385.00 15.16	407.8 16.06
100 4	114.3 4.5	300 2.07	28.5 1.12	449.25 17.69	477.75 18.81
100 4	114.3 4.5	300 2.07	34.2 1.35	513.50 20.22	547.7 21.57
100 4	114.3 4.5	300 2.07	39.9 1.57	577.25 22.73	617.15 24.3
100 4	114.3 4.5	300 2.07	45.6 1.8	641.00 25.24	686.6 27.04
100 4	114.3 4.5	300 2.07	51.3 2.02	705.25 27.77	756.55 29.79
100 4	114.3 4.5	300 2.07	57 2.24	769.00 30.28	826 32.52
100 4	114.3 4.5	300 2.07	62.7 2.47	833.25 32.80	895.95 35.27
100 4	114.3 4.5	300 2.07	68.4 2.69	897.00 35.32	965.4 38.01
125 5	139.7 5.5	300 2.07	5.7 0.22	193.25 7.61	198.95 7.83
125 5	139.7 5.5	300 2.07	11.4 0.45	257.00 10.12	268.4 10.57
125 5	139.7 5.5	300 2.07	17.1 0.67	321.25 12.65	338.35 13.32
125 5	139.7 5.5	300 2.07	22.8 0.9	385.00 15.16	407.8 16.06
125 5	139.7 5.5	300 2.07	28.5 1.12	449.25 17.69	477.75 18.81
125 5	139.7 5.5	300 2.07	34.2 1.35	513.50 20.22	547.7 21.57
125 5	139.7 5.5	300 2.07	39.9 1.57	577.25 22.73	617.15 24.3
125 5	139.7 5.5	300 2.07	45.6 1.8	641.00 25.24	686.6 27.04
125 5	139.7 5.5	300 2.07	51.3 2.02	705.25 27.77	756.55 29.79
125 5	139.7 5.5	300 2.07	57 2.24	769.00 30.28	826 32.52
125 5	139.7 5.5	300 2.07	62.7 2.47	833.25 32.80	895.95 35.27
125 5	139.7 5.5	300 2.07	68.4 2.69	897.00 35.32	965.4 38.01
150 6	165.1 4.5	300 2.07	5.7 0.22	193.25 7.61	198.95 7.83
150 6	165.1 4.5	300 2.07	11.4 0.45	257.00 10.12	268.4 10.57
150 6	165.1 4.5	300 2.07	17.1 0.67	321.25 12.65	338.35 13.32
150 6	165.1 4.5	300 2.07	22.8 0.9	385.00 15.16	407.8 16.06
150 6	165.1 4.5	300 2.07	28.5 1.12	449.25 17.69	477.75 18.81
150 6	165.1 4.5	300 2.07	34.2 1.35	513.50 20.22	547.7 21.57

Kompansatör
Expansion Joint





Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Hareket Movement mm/in	L1 mm/in	L2 mm/in
150 6	165.1 4.5	300 2.07	39.9 1.57	577.25 22.73	617.15 24.3
150 6	165.1 4.5	300 2.07	45.6 1.8	641.00 25.24	686.6 27.04
150 6	165.1 4.5	300 2.07	51.3 2.02	705.25 27.77	756.55 29.79
150 6	165.1 4.5	300 2.07	57 2.24	769.00 30.28	826 32.52
150 6	165.1 4.5	300 2.07	62.7 2.47	833.25 32.80	895.95 35.27
150 6	165.1 4.5	300 2.07	68.4 2.69	897.00 35.32	965.4 38.01
150 6	168.3 6.626	300 2.07	5.7 0.22	226.25 8.91	231.95 9.13
150 6	168.3 6.626	300 2.07	11.4 0.45	301.00 11.85	312.4 12.3
150 6	168.3 6.626	300 2.07	17.1 0.67	376.25 14.81	393.35 15.48
150 6	168.3 6.626	300 2.07	22.8 0.9	451.00 17.76	473.8 18.66
150 6	168.3 6.626	300 2.07	28.5 1.12	526.25 20.72	554.75 21.84
150 6	168.3 6.626	300 2.07	34.2 1.35	601.00 23.66	635.2 25.01
150 6	168.3 6.626	300 2.07	39.9 1.57	676.25 26.62	716.15 28.19
150 6	168.3 6.626	300 2.07	45.6 1.8	751.00 29.57	796.6 31.37
150 6	168.3 6.626	300 2.07	51.3 2.02	826.25 32.53	877.55 34.55
150 6	168.3 6.626	300 2.07	57 2.24	901.00 35.47	958 37.71
150 6	168.3 6.626	300 2.07	62.7 2.47	976.25 38.44	1038.95 40.91
150 6	168.3 6.626	300 2.07	68.4 2.69	1051.00 41.38	1119.4 44.07
250 10	273 10.748	300 2.07	6.7 0.26	227.00 8.94	233.7 9.2
250 10	273 10.748	300 2.07	13.4 0.53	302.00 11.89	315.4 12.42
250 10	273 10.748	300 2.07	20.1 0.79	377.50 14.86	397.6 15.65
250 10	273 10.748	300 2.07	26.8 1.06	452.50 17.81	479.3 18.87
250 10	273 10.748	300 2.07	33.5 1.32	528.00 20.79	561.5 22.11
250 10	273 10.748	300 2.07	40.2 1.58	603.00 23.74	643.2 25.32
250 10	273 10.748	300 2.07	46.9 1.85	678.50 26.71	725.4 28.56
250 10	273 10.748	300 2.07	53.6 2.11	753.5 29.67	807.1 31.78
250 10	273 10.748	300 2.07	60.3 2.37	829.00 32.64	889.3 35.01
250 10	273 10.748	300 2.07	67 2.64	904.00 35.59	971 38.23
250 10	273 10.748	300 2.07	73.7 2.9	979.5 38.56	1053.2 41.46
250 10	273 10.748	300 2.07	80.4 3.17	1054.5 41.51	1134.9 44.68

Kauçuk Conta Seçimi için Kılavuz
Guide for Selection of Rubber Gaskets

Conta Gasket	İsim Name	Ortam Sıcaklık Aralığı Environment Temperature Range	Genel Servis Önerileri General Service Recommendations	Renk İşareti Color Mark
E	EPDM	-34 ~ +110°C (-30 ~ +230°F)	Belirtilen sıcaklık aralığında sıcak/soğuk su servisi ve ayrıca çeşitli seyreltik asitler (baz), yağsız hava ve birçok kimyasal servis (hidrokarbonlar hariç) için önerilir. ANSI/NSF 61 veya soğuk +86 °F (+30 °C) ve sıcak +180 °F (+82°C) içme suyu servisine uygun olarak UL sınıflandırılmıştır. PETROL SERVİSLERİ VE BUHAR SERVİSLERİ İLE KULLANIM İÇİN UYUMLU DEĞİLDİR. *Recommended for hot/cold water service within the specified temperature range plus a variety of dilute acids (base), oil-free air and many chemical services (excluding hydrocarbons). UL classified in accordance with ANSI/NSF 61 or cold+86°F (+30°C) and hot +180°F (+82°C) potable water service.* *NOT COMPATIBLE FOR USE WITH PETROLEUM SERVICES AND STEAM SERVICES.*	Yeşil Şeritli Siyah *Black with Green Strip*
S	Silikon *Silicone*	-40 ~ +177°C (-40 ~ +350°F)	Yüksek sıcaklıktaki kuru hava ve bazı yüksek sıcaklıktaki kimyasal ürünler, içme suyu vb. için önerilir. *Recommended for high temperature dry air and some high temperature chemical products, drinking water etc.*	Beyaz *White*
D	NBR	-29 ~ +82°C (-20 ~ +180°F)	Belirtilen sıcaklık aralığında petrol ürünleri, bitkisel ve mineral yağlar için önerilir. SICAK SU HİZMETLERİ VEYA BUHAR HİZMETLERİ İÇİN ÖNERİLMEZ. *Recommended for petroleum products, vegetable and mineral oils within the specified temperature range.* *NOT RECOMMENDED FOR HOT WATER SERVICES OR STEAM SERVICES.*	Turuncu Şeritli Siyah *Black with Orange Strip*
F	Florlu Kauçuk *Fluororubber*	–7 ~ +149°C (+20 ~ +300°F)	Birçok oksitleyici asit, petrol yağları, halojenli hidrokarbonlar, yağlayıcılar, hidrolik sıvılar, organik sıvılar ve hidrokarbonlu hava için önerilir. SICAK SU HİZMETLERİ VEYA BUHAR HİZMETLERİ İLE KULLANIM İÇİN UYUMLU DEĞİLDİR. *Recommended for many oxidizing acids, petroleum oils, halogenated hydrocarbons, lubricants, hydraulic fluids, organic liquids and air with hydrocarbons.* *NOT COMPATIBLE FOR USE WITH HOT WATER SERVICES OR STEAM SERVICES.*	Mavi Şeritli Siyah *Black with Blue Strip*
LD	Neopren *Neoprene*	–34 ~ +82°C (–30 ~ +180°F)	Sıcak yağlayıcılar, deniz suyu ve bazı kimyasallar için önerilir. İyi ozon direnci. Yanması zordur. *Recommended for hot lubricants, sea water and certain chemicals. Good ozone resistance. Hard for combustion.*	Sarı Şeritli Siyah *Black with Yellow Strip*

- Farklı çalışma koşullarına ve akışkan ortamına göre seçiminiz için farklı kauçuk contalar vardır; kauçuk contalar sıcak su sisteminde kullanılıyorsa, lütfen üretici Meide Group'a bilgi verin, sıcak su sisteminde kullanılabilecek ürünleri tedarik edeceğiz.
- *There are different rubber gaskets for your choice according to different working conditions and fluid medium; If the rubber gaskets are used in hot water system, please inform to the manufacturer Meide Group, we will supply the products which can be used in hot water system.*

Boru Bağlantı Yağlayıcısı
Pipe Joint Lubricant

- Boru Bağlantı Yağlayıcısı, sızdırmazlık contasının yüzeyini yağlamak, montajını kolaylaştırmak ve sızdırmazlık contasının ekstrüzyon veya diğer parazit koşulları nedeniyle hasar görmesini önlemek için kullanılır ve aynı zamanda sızdırmazlık contası yüzeyini koruyabilir ve hizmet ömrünü uzatabilir.

- Yağlayıcı RoHs sertifikası, REACH sertifikası, NSF H1 sertifikası, yeşil ve çevre koruma ile uyumludur ve su kalitesi üzerinde herhangi bir olumsuz etkiye neden olmaz.

- *Lubricant is used to lubricate the surface of the sealing gasket, making it easy to install, and preventing the sealing gasket from being damaged due to extrusion or other interference conditions, and at the same time, it can protect the sealing gasket surface and prolong its service life.*

- *Pipe Joint Lubricant complies with RoHs certification, REACH certification, NSF H1 certification, green and environmental protection, and will not cause any adverse effects on water quality.*

Boyut / Size	**Kapasite** / Capacity ml	**Uygulanabilir Sıcaklık** Applicable Temperature	**Uygulanabilir Malzeme** Applicable Material
1000	1000	-20~+130°C -4~+266°F	EPDM NBR Fluorine Rubber / *Flor Kauçuk* Neoprene / *Neopren*
5000	5000		
15000	15000		

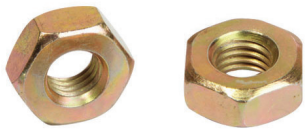
Not:

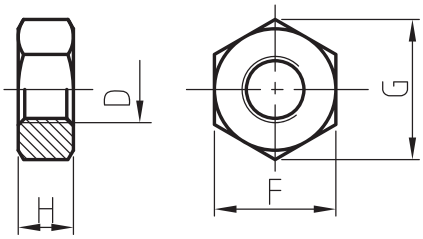
1. Bu ürün silikon kauçuk için uygun değildir, diğer malzemelere uygulanırsa lütfen tedarikçi ile iletişime geçin.
2. Özel geliştirme veya diğer ambalajlama ihtiyaçları için lütfen tedarikçiyle iletişime geçin.
3. Ürünün kimyasal özellikleri, ayrıntılı parametreleri ve güvenlik önlemleri için lütfen bu ürünün MSDS veri belgesine bakın.

Note:

1. This product is not suitable for silicone rubber, if it is applied to other materials, please contact the supplier.
2. For custom development or other packaging needs, please contact the supplier.
3. For the chemical characteristics, detailed parameters and safety precautions of the product, please refer to the MSDS data document of this product.

Metrik Ağır Altıgen Somun
Metric Heavy Hex Nut



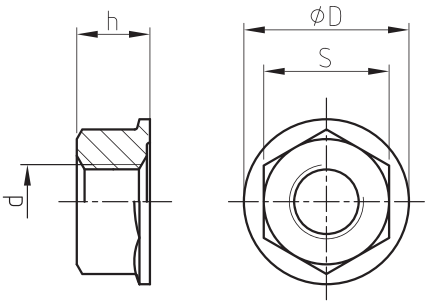


Malzeme: ISO 898-2:1992 \ GB/T3098.2-2000 Sınıf 8.
Yiv: ISO 261, M10 ve M12 için tolerans 6h, M16 ve üzeri için 7h.
Yüzey İşlemi: Çinko Elektrokaplama ve ardından ISO 2081 FE/ZN5, ISO4520 CLASS 1A uyarınca sarı kromat daldırma.

Material: *ISO 898-2:1992 \ GB/T3098.2-2000 Class 8.*
Thread: *ISO 261, tolerance 6h for M10& M12, 7h for M16 and above.*
Surface Treatment: *Zinc Electroplated followed by a yellow chromate dip per ISO 2081 FE/ZN5, ISO4520 CLASS 1A.*

d	F		G	H	
	Min	Max	Min	Min	Max
M10	15.73	16.0	17.7	8.0	8.4
M12	21.16	22.0	23.9	9.34	10.0
M16	23.16	24.0	26.17	14.1	15.9
M20	29.16	30.0	32.95	16.9	19.0
M22	33.0	34.0	37.29	18.1	20.2

Altıgen Flanş Somunu
Hexagon Flange Nut

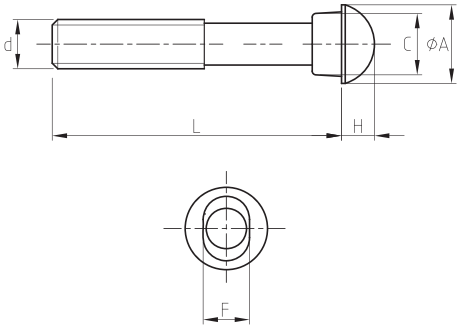


DIN6923'e göre boyut.

Dimension according to DIN6923.

d	S		D	h	
	Min	Max	Max	Min	Max
M8	12.3	13	17.9	7.6	8
M10	14.73	15.0	21.8	9.64	10
M12	17.73	18.0	26.0	11.57	12.0

Metrik Oval Boyunlu Civata
Metric Oval Neck Track Bolt



Malzeme: ISO 898-1:1992 \ GB/T3098.1-2000 Sınıf 8.8.
Yiv: ISO 261 uyarınca ISO metrik diş, tolerans 6h.
Yüzey İşlemi: ISO 2081 FE/ZN5, ISO4520 CLASS 1A uyarınca sarı kromat elektrolizle kaplanmıştır.

Material: *ISO 898-1:1992 \ GB/T3098.1-2000 Class 8.8.*
Thread: *ISO metric thread per ISO 261, tolerance 6h.*
Surface Treatment: *Yellow chromate electroplated per ISO 2081 FE/ZN5, ISO4520 CLASS 1A.*

d	A	C	F	H	L
M10	18.5	13.5	9.5	5	50/57/63/70/89
M12	23.5	17.5	12.3	8	70/76/82/89/108
M16	29.5	20.5	15.7	10	85/89/95/108
M20	38	27	18.3	12.5	110/115
M22	42.2	31	21.4	14	125/140/150

Cıvata Torku
Bolt Torque

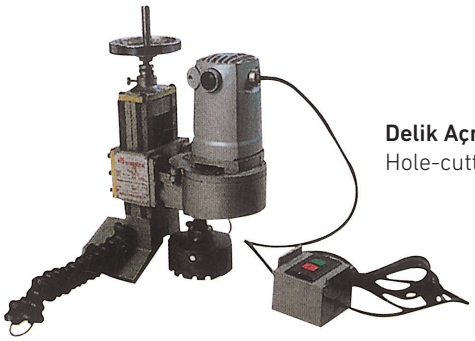
Aşağıda yaygın cıvata boyutları için önerilen cıvata torku verilmiştir. Montaj için lütfen fabrika tarafından sağlanan cıvata ve somunları kullanın.

As below is the recommended bolt torque for common sizes of bolts. Please use factory provided bolts and nuts for the installation.

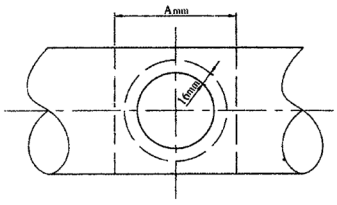
ANSI Nominal Cıvata Torku / ANSI Rated Bolt Torque		
Cıvata Boyutu Bolt Size	**Nominal Cıvata Torku*** Rated Bolt Torque*	
Inch	Lb-Ft	(N.m)
3/8	30-45	40-60
1/2	80-100	110-135
5/8	100-130	135-175
3/4	130-180	175-245
7/8	180-240	245-325

Metrik Anma Cıvata Torku / Metric Rated Bolt Torque		
Cıvata Boyutu Bolt Size	**Nominal Cıvata Torku*** Rated Bolt Torque*	
Inch	Lb-Ft	(N.m)
M10	30-45	40-60
M12	80-100	110-135
M16	100-130	135-175
M20	130-180	175-245
M22	180-240	245-325

Delik Boru Çapı
Hole Diameter of Pipe



Delik Açma Makinesi
Hole-cutting Machine

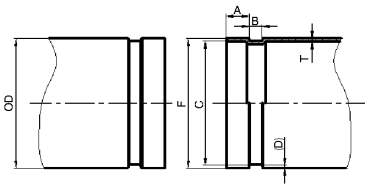


Nominal Çalıştırma Run Nominal Size mm/in	Çıkış Nominal Boyut Outlet Nominal Size mm/in	Delik Çapı. Hole Dia. +3.2,0+0.13,0 mm/in	Çalışma Nominal Boyut Run Nominal Size mm/in	Çıkış Nominal Boyut Outlet Nominal Size mm/in	Delik Çapı. Hole Dia. +3.2,0+0.13,0 mm/in	Çalışma Nominal Boyut Run Nominal Size mm/in	Çıkış Nominal Boyut Outlet Nominal Size mm/in	Delik Çapı. Hole Dia. +3.2,0+0.13,0 mm/in
25 1"/33.7	10 3/8	23.5 0.925 A89	80 3"/88.9	15 1/2	38 1.50 A89	150 159.0 165.1 6"/168.3	15 1/2	38 1.50 A89
	15 1/2			20 3/4			20 3/4	
	20 3/4			25 1			25 1	
	25 1			32 11/4	51 2.00 A102		32 11/4	51 2.00 A102
32 11/4"/42.4	10 3/8	30 1.18 A89		40 11/2			40 11/2	
	15 1/2			50 2	64 2.50 A114		50 2	64 2.50 A114
	20 3/4		100 108.0 4"/114.3	15 1/2	38 1.50 A89		65 21/2/76	70 2.75 A120
	25 1			20 3/4			80 3	89 3.50 A140
40 11/2"/48.3	10 3/8	30 1.18 A89		25 1			100 108.0/4	114 4.50 A165
	15 1/2			32 11/4	51 2.00 A102	200 8"/219.1 250 10"/273.0	25 1	38 1.50 A89
	20 3/4			40 11/2			32 11/4	51 2.00 A102
	25 1			50 2	64 2.50 A114		40 11/2	
50 2"/60.3	15 1/2	38 1.50 A89		65 21/2/76	70 2.75 A120		50 2	64 2.50 A114
	20 3/4			80 3	89 3.50 A140		65 21/2/76	70 2.75 A120
	25 1		125 133.0 139.7 5"/141.3	15 1/2	38 1.50 A89		80 3	89 3.50 A140
	32 11/4	45 1.75 A102		20 3/4			100 108.0/4	114 4.50 A165
	40 11/2			25 1				
65 21/2"/73.0 76.1	15 1/2	38 1.50 A89		32 11/4	51 2.00 A102			
	20 3/4			40 11/2				
	25 1			50 2	64 2.50 A114			
	32 11/4	51 2.00 A102		65 21/2/76	70 2.75 A120			
	40 11/2			80 3	89 3.50 A140			

Borunun delikten itibaren 16 mm içindeki dış yüzeyi temiz ve pürüzsüz olmalıdır.
The outside surface of the pipe within 16mm from the hole must be clean and smooth.

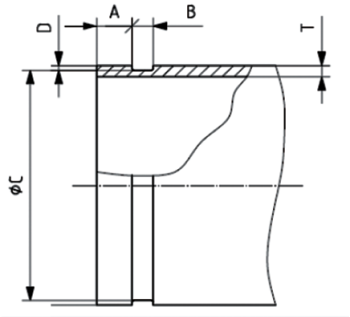
Yiv Ölçüleri
Groove Dimensions

Yiv Açma Makinesi
Grooving Machine



Nominal Boyut Nominal Size mm/in	Boru Dış Çapı / Pipe OD			Conta Yuvası A Gasket Seat A ±0.76/±0.03 mm/in	Yiv Genişliği B Groove Width B ±0.76/±0.03 mm/in	Yiv Çapı C / Groove Dia C		Yiv Derinliği Groove Depth D(ref) mm/in	Max İzin Verilen Çap MaxAllow Flare Dia F mm/in	Min. İzin Verilen Duvar Kalınlığı Min. Allow Wall Thickness T mm/in
	Temel Basic mm/in	Tolerans Tolerence mm/in				Temel Basic mm/in	Tolerans Tolerence mm/in			
25 1	33.7 1.327	+0.41 +0.016	-0.68 -0.026	15.88 0.625	7.14 0.281	30.23 1.190	-0.38 -0.015	1.60 0.063	34.5 1.358	1.8 0.071
32 11/4	42.4 1.669	+0.50 0.020	-0.60 -0.023	15.88 0.625	7.14 0.281	38.99 1.535	-0.38 -0.015	1.60 0.063	43.3 1.705	1.8 0.071
40 11/2	48.3 1.900	+0.44 0.017	-0.52 -0.020	15.88 0.625	7.14 0.281	45.09 1.775	-0.38 -0.015	1.60 0.063	49.4 1.945	1.8 0.071
50 2	60.3 2.375	+0.61 +0.024	-0.61 -0.024	15.88 0.625	8.74 0.344	57.15 2.250	-0.38 -0.015	1.60 0.063	62.2 2.449	1.8 0.071
65 2-1/2	73.0 2.875	+0.74 +0.029	-0.74 -0.029	15.88 0.625	8.74 0.344	69.09 2.720	-0.46 -0.018	1.98 0.078	75.2 2.961	2.3 0.091
65 2½	76.1 3.000	+0.76 +0.030	-0.76 -0.030	15.88 0.625	8.74 0.344	72.26 2.845	-0.46 -0.018	1.99 0.078	77.7 3.059	2.3 0.091
80 3	88.9 3.500	+0.89 +0.035	-0.79 -0.031	15.88 0.625	8.74 0.344	84.94 3.344	-0.46 -0.018	1.98 0.078	90.6 3.567	2.3 0.091
100 4	108.0 4.250	+1.07 +0.042	-0.79 -0.031	15.88 0.625	8.74 0.344	103.73 4.084	-0.51 -0.020	2.11 0.083	109.7 4.319	2.3 0.091
100 4	114.3 4.500	+1.14 +0.045	-0.79 -0.031	15.88 0.625	8.74 0.344	110.08 4.334	-0.51 -0.020	2.11 0.083	116.2 4.575	2.3 0.091
125 5	133.0 5.250	+1.32 +0.052	-0.79 -0.031	15.88 0.625	8.74 0.344	129.13 5.084	-0.51 -0.020	2.11 0.083	134.9 5.311	2.9 0.114
125 5	139.7 5.500	+1.40 +0.055	-0.79 -0.031	15.88 0.625	8.74 0.344	135.48 5.334	-0.51 -0.020	2.11 0.083	141.7 5.579	2.9 0.114
125 5	141.3 5.563	+1.42 +0.056	-0.79 -0.031	15.88 0.625	8.74 0.344	137.03 5.395	-0.56 -0.022	2.13 0.084	143.5 5.650	2.9 0.114
150 6	159.0 6.250	+1.60 +0.063	-0.79 -0.031	15.88 0.625	8.74 0.344	154.50 6.083	-0.56 -0.022	2.16 0.085	161.0 6.339	2.9 0.114
150 6	165.1 6.500	+1.60 +0.063	-0.79 -0.031	15.88 0.625	8.74 0.344	160.8 6.330	-0.56 -0.022	2.16 0.085	167.1 6.579	2.9 0.114
150 6	168.3 6.625	+1.60 +0.063	-0.79 -0.031	15.88 0.625	8.74 0.344	163.96 6.455	-0.56 -0.022	2.16 0.085	170.7 6.720	2.9 0.114
200A 8	216.3 8.516	+1.60 +0.063	-0.79 -0.031	19.05 0.750	11.91 0.469	211.60 8.331	-0.64 -0.025	2.35 0.093	219.8 8.653	2.9 0.114
200 8	219.1 8.625	+1.60 +0.063	-0.79 -0.031	19.05 0.750	11.91 0.469	214.40 8.441	-0.64 -0.025	2.34 0.092	221.5 8.720	2.9 0.114
250A 10	267.4 10.528	+1.60 +0.063	-0.79 -0.031	19.05 0.750	11.91 0.469	262.60 10.339	-0.69 -0.027	2.40 0.095	270.9 10.665	3.6 0.142
250 10	273.0 10.750	+1.60 +0.063	-0.79 -0.031	19.05 0.750	11.91 0.469	268.28 10.562	-0.69 -0.027	2.39 0.094	275.4 10.842	3.6 0.142
300A 12	318.5 12.539	+1.60 +0.063	-0.79 -0.031	19.05 0.750	11.91 0.469	312.90 12.319	-0.76 -0.030	2.77 0.109	322.0 12.677	4.0 0.158
300 12	323.9 12.750	+1.60 +0.063	-0.79 -0.031	19.05 0.750	11.91 0.469	318.29 12.531	-0.76 -0.030	2.77 0.109	326.2 12.842	4.0 0.158
350 14	355.6 14.000	+1.60 +0.063	-0.79 -0.031	23.83 0.938	11.91 0.469	350.04 13.781	-0.76 -0.030	2.77 0.109	359.7 14.16	4.0 0.158
350 14	377.0 14.842	+1.60 +0.063	-0.79 -0.031	23.83 0.938	11.91 0.469	371.44 14.623	-0.76 -0.030	2.77 0.109	379.5 14.941	4.5 0.177
400 16	406.4 16.000	+1.60 +0.063	-0.79 -0.031	23.83 0.938	11.91 0.469	400.84 15.781	-0.76 -0.030	2.77 0.109	410.5 16.16	4.2 0.165
400 16	426.0 16.772	+1.60 +0.063	-0.79 -0.031	23.83 0.938	11.91 0.469	420.46 16.553	-0.76 -0.030	2.77 0.109	428.5 16.870	4.5 0.177
450 18	457.2 18.000	+1.60 +0.063	-0.79 -0.031	25.40 1.000	11.91 0.469	451.64 17.781	-0.76 -0.030	2.77 0.109	461.3 18.16	4.2 0.165
450 18	480 18.897	+1.60 +0.063	-0.79 -0.031	25.40 1.000	11.91 0.469	469 18.465	-0.76 -0.030	5.50 0.216	484.1 19.06	4.2 0.165
500 20	508.0 20.000	+1.60 +0.063	-0.79 -0.031	25.40 1.000	11.91 0.469	502.44 19.781	-0.76 -0.030	2.77 0.109	512.1 20.16	4.8 0.188
500 20	530 20.866	+1.60 +0.063	-0.79 -0.031	25.40 1.000	11.91 0.469	522 20.55	-0.76 -0.030	4.0 0.157	535.1 21.067	5.0 0.197
600 24	609.6 24.000	+1.60 +0.063	-0.79 -0.031	25.40 1.000	12.7 0.500	600.9 23.656	0.76 -0.030	4.35 0.172	614.7 24.20	4.8 0.188
600 24	630 24.803	+1.60 +0.063	-0.79 -0.031	25.40 1.000	12.7 0.500	620.9 24.445	0.76 -0.030	4.55 0.179	635.1 25.00	4.8 0.188

Yiv Ölçüleri (Talaşlı İmalat)
Cut Groove



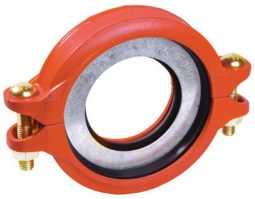
Nominal Boyut Nominal Size mm/in	Boru Dış Çapı / Pipe OD			Conta Yuvası A Gasket Seat A ±0.76/±0.03 mm/in	Yiv Genişliği B Groove Width B ±0.76/±0.03 mm/in	Yiv Çapı C / Groove Dia C		Yiv Derinliği Groove Depth D(ref) mm/in	Min. İzin Verilen Duvar Kalınlığı Min. Allow Wall Thickness T mm/in
	Temel Basic mm/in	Tolerans Tolerence mm/in				Temel Basic mm/in	Tolerans Tolerence mm/in		
25 1	33.7 1.327	0.41 0.016	-0.68 -0.026	15.88 0.625	7.93 0.312	30.23 1.19	-0.38 -0.015	1.7 0.069	3.3 0.129
32 1 1/4	42.4 1.669	0.5 0.02	-0.6 -0.023	15.88 0.625	7.93 0.312	38.99 1.535	-0.38 -0.015	1.7 0.069	3.5 0.138
40 1½	48.3 1.9	0.44 0.017	-0.52 -0.02	15.88 0.625	7.93 0.312	45.09 1.775	-0.38 -0.015	1.6 0.063	3.68 0.145
50 2	60.3 2.375	0.61 0.024	-0.61 -0.024	15.88 0.625	7.93 0.312	57.15 2.25	-0.38 -0.015	1.6 0.063	3.91 0.154
65 2½	73 2.875	0.74 0.029	-0.74 -0.029	15.88 0.625	7.93 0.312	69.09 2.72	-0.46 -0.018	1.98 0.078	4.78 0.188
65 2½	76.1 3	0.76 0.03	-0.76 -0.03	15.88 0.625	7.93 0.312	72.26 2.845	-0.46 -0.018	1.99 0.078	4.78 0.188
80 3	88.9 3.5	0.89 0.035	-0.79 -0.031	15.88 0.625	7.93 0.312	84.94 3.344	-0.46 -0.018	1.98 0.078	4.78 0.188
100 4	108 4.25	1.07 0.042	-0.79 -0.031	15.88 0.625	9.53 0.375	103.73 4.084	-0.51 -0.02	2.11 0.083	5.16 0.203
100 4	114.3 4.5	1.14 0.045	-0.79 -0.031	15.88 0.625	9.53 0.375	110.08 4.334	-0.51 -0.02	2.11 0.083	5.16 0.203
125 5	133 5.25	1.32 0.052	-0.79 -0.031	15.88 0.625	9.53 0.375	129.13 5.084	-0.51 -0.02	2.11 0.083	5.16 0.203
125 5	139.7 5.5	1.4 0.055	-0.79 -0.031	15.88 0.625	9.53 0.375	135.48 5.334	-0.51 -0.02	2.11 0.083	5.16 0.203
125 5	141.3 5.563	1.42 0.056	-0.79 -0.031	15.88 0.625	9.53 0.375	137.03 5.395	-0.56 -0.022	2.13 0.084	5.16 0.203
150 6	159 6.25	1.6 0.063	-0.79 -0.031	15.88 0.625	9.53 0.375	154.5 6.083	-0.56 -0.022	2.16 0.085	5.56 0.219
150 6	165.1 6.5	1.6 0.063	-0.79 -0.031	15.88 0.625	9.53 0.375	160.8 6.33	-0.56 -0.022	2.16 0.085	5.56 0.219
150 6	168.3 6.625	1.6 0.063	-0.79 -0.031	15.88 0.625	9.53 0.375	163.96 6.455	-0.56 -0.022	2.16 0.085	5.56 0.219
200A 8	216.3 8.516	1.6 0.063	-0.79 -0.031	19.05 0.75	11.11 0.438	211.6 8.331	-0.64 -0.025	2.35 0.093	6.05 0.238
200 8	219.1 8.625	1.6 0.063	-0.79 -0.031	19.05 0.75	11.11 0.438	214.4 8.441	-0.64 -0.025	2.34 0.092	6.05 0.238
250A 10	267.4 10.528	1.6 0.063	-0.79 -0.031	19.05 0.75	12.7 0.5	262.6 10.339	-0.69 -0.027	2.4 0.095	6.35 0.25
250 10	273 10.75	1.6 0.063	-0.79 -0.031	19.05 0.75	12.7 0.5	268.28 10.562	-0.69 -0.027	2.39 0.094	6.35 0.25
300A 12	318.5 12.539	1.6 0.063	-0.79 -0.031	19.05 0.75	12.7 0.5	312.9 12.319	-0.76 -0.03	2.77 0.109	7.09 0.279
300 12	323.9 12.75	1.6 0.063	-0.79 -0.031	19.05 0.75	12.7 0.5	318.29 12.531	-0.76 -0.03	2.77 0.109	7.09 0.279
350 14	355.6 14	1.6 0.063	-0.79 -0.031	23.83 0.938	12.7 0.5	350.04 13.781	-0.76 -0.03	2.77 0.109	7.14 0.281
350 14	377 14.842	1.6 0.063	-0.79 -0.031	23.83 0.938	12.7 0.5	371.44 14.623	-0.76 -0.03	2.77 0.109	7.14 0.281
400 16	406.4 16	1.6 0.063	-0.79 -0.031	23.83 0.938	12.7 0.5	400.84 15.781	-0.76 -0.03	2.77 0.109	7.92 0.312
400 16	426 16.772	1.6 0.063	-0.79 -0.031	23.83 0.938	12.7 0.5	420.46 16.553	-0.76 -0.03	2.77 0.109	7.92 0.312
450 18	457.2 18	1.6 0.063	-0.79 -0.031	25.4 1	12.7 0.5	451.64 17.781	-0.76 -0.03	2.77 0.109	7.92 0.312
450 18	480 18.897	1.6 0.063	-0.79 -0.031	25.4 1	12.7 0.5	469 18.465	-0.76 -0.03	5.5 0.216	7.92 0.312
500 20	508 20	1.6 0.063	-0.79 -0.031	25.4 1	12.7 0.5	502.44 19.781	-0.76 -0.03	2.77 0.109	7.92 0.312
500 20	530 20.866	1.6 0.063	-0.79 -0.031	25.4 1	12.7 0.5	522 20.55	-0.76 -0.03	4 0.157	7.92 0.312
600 24	609.6 24	1.6 0.063	-0.79 -0.031	25.4 1	14.3 0.563	600.9 23.656	0.76 -0.03	4.35 0.172	9.5 0.375
600 24	630 24.803	1.6 0.063	-0.79 -0.031	25.4 1	14.3 0.563	620.9 24.445	0.76 -0.03	4.55 0.179	9.5 0.375

Çelik Boru Üzerindeki Mekanik Kaplinler için Basınç Değerleri ve Taşıma Yükleri

Pressure Ratings and End Loads for Couplings on Steel Pipe

UV15
Sabit / Rigid

UV16
Sabit / Rigid



UV11
Redüksiyon / Reducing

UV19
Sabit / Rigid

Nom. Boyut Nom. Size	Boru Pipe O.D	Boru Pipe Sched	Et Kalınlığı Wall Thick.	UV15		UV16		UV11		UV19	
				Yivli / Grooved		Yivli / Grooved		Yivli / Grooved		Yivli / Grooved	
				Max.Çalışma Basıncı Max. Work Press	Maks. Taşıma Yükü Max. End Load	Max.Çalışma Basıncı Max. Work Press	Maks. Taşıma Yükü Max. End Load	Max.Çalışma Basıncı Max. Work Press	Maks. Taşıma Yükü Max. End Load	Max.Çalışma Basıncı Max. Work Press	Maks. Taşıma Yükü Max. End Load
DN/in	mm	(Sch)	mm	Bar/Psi	kN/Lbs	Bar/Psi	kN/Lbs	Bar/Psi	kN/Lbs	Bar/Psi	kN/Lbs
25	33.7	40	3.38	35/500	3.0/680	-	-	20/300	1.8/410	-	-
		10	2.77	35/500	3.0/680	-	-	20/300	1.8/410	-	-
32	42.4	40	3.56	35/500	4.8/1080	-	-	20/300	2.9/650	35/500	4.8/1080
		10	2.77	35/500	4.8/1080	-	-	20/300	2.9/650	35/500	4.8/1080
40	48.3	40	3.68	35/500	6.3/1420	-	-	20/300	3.8/850	35/500	6.3/1420
		10	2.77	35/500	6.3/1420	-	-	20/300	3.8/850	35/500	6.3/1420
50	60.3	40	3.91	35/500	9.8/2210	-	-	20/300	5.9/1330	35/500	9.8/2210
		10	2.77	35/500	9.8/2210	-	-	20/300	5.9/1330	35/500	9.8/2210
65	73	40	5.16	35/500	14.4/3240	-	-	20/300	8.7/1950	35/500	14.5/3250
		10	3.05	35/500	14.4/3240	-	-	20/300	8.7/1950	35/500	14.5/3250
65	76.1	-	6.35	-	-	-	-	-	-	-	-
		-	5.08	35/500	15.7/3520	-	-	20/300	9.4/2120	35/500	15.7/3520
		-	3.81	35/500	15.7/3520	-	-	20/300	9.4/2120	35/500	15.7/3520
80	88.9	40	5.49	35/500	21.4/4810	24/350	15.0/3360	20/300	12.8/2885	35/500	21.4/4810
		10	3.05	35/500	21.4/4810	24/350	15.0/3360	20/300	12.8/2885	35/500	21.4/4810
100	114.3	40	6.02	35/500	35.4/7960	24/350	24.7/5560	20/300	21.2/4770	35/500	35.4/7950
		10	3.05	35/500	35.4/7960	24/350	24.7/5560	20/300	21.2/4770	35/500	35.4/7950
125	139.7	-	3.6	-	-	-	-	-	-	20/300	31.7/7130
125	141.3	40	6.55	35/500	54.1/12100	24/350	37.8/8490	20/300	32.4/7290	-	-
		10	3.4	35/500	54.1/12100	24/350	37.8/8490	20/300	32.4/7290	-	-
150	165.1	-	6.35	35/500	73.8/16610	24/350	51.6/11600	20/300	44.3/9960	20/300	44.3/9960
		-	5.08	35/500	73.8/16610	24/350	51.6/11600	20/300	44.3/9960	20/300	44.3/9960
150	168.3	40	7.11	35/500	76.7/17260	24/350	53.6/12000	20/300	46.0/10340	35/500	76.7/17230
		10	3.4	35/500	76.7/17260	24/350	53.6/12000	20/300	46.0/10340	35/500	76.7/17230
200	219.1	40	8.18	31/450	116.9/26280	24/350	90.8/20430	-	-	35/500	129.7/29160
		30	7.04	31/450	116.9/26280	24/350	90.8/20430	-	-	-	-
		10	4.77	20/300	77.8/17500	24/350	90.8/20430	-	-	20/300	77.8/17500
250	273	40	9.27	28/400	163.8/36800	-	-	-	-	35/500	201.7/45350
		30	7.8	20/300	121.0/27210	-	-	-	-	-	-
		10	4.77	20/300	121.0/27210	-	-	-	-	20/300	121.0/27210
300	323.9	40	10.31	28/400	230.6/51880	-	-	-	-	-	-
		STD	9.53	20/300	170.3/38280	-	-	-	-	-	-
		30	6.35	20/300	170.3/38280	-	-	-	-	-	-
		10	4.77	20/300	170.3/38280	-	-	-	-	-	-

UV11
Esnek / Flexible

UV10
Ağır Tip Esnek / Heavy Duty Flexible

UV80
Flanş Adaptörü / Flange

Nom. Boyut Nom. Size	Boru Pipe O.D	Boru Pipe Sched	Et Kalınlığı Wall Thick.	UV11		UV10		UV80	
				Yivli / Grooved		Yivli / Grooved		Yivli / Grooved	
				Max.Çalışma Basıncı Max. Work Press	Maks. Taşıma Yükü Max. End Load	Max.Çalışma Basıncı Max. Work Press	Maks. Taşıma Yükü Max. End Load	Max.Çalışma Basıncı Max. Work Press	Maks. Taşıma Yükü Max. End Load
DN/in	mm	(Sch)	mm	Bar/Psi	kN/Lbs	Bar/Psi	kN/Lbs	Bar/Psi	kN/Lbs
25	33.7	40	3.38	35/500	3.0/680	-	-	-	-
		10	2.77	35/500	3.0/680	-	-	-	-
32	42.4	40	3.56	35/500	4.8/1080	-	-	-	-
		10	2.77	35/500	4.8/1080	-	-	-	-
40	48.3	40	3.56	35/500	6.3/1420	-	-	16/225	3.2/710
		10	2.77	35/500	6.3/1420	-	-	16/225	3.2/710
50	60.3	40	3.91	35/500	9.8/2210	52/750	14.8/3320	16/225	4.4/1000
		10	2.77	35/500	9.8/2210	35/500	9.8/2210	16/225	4.4/1000
65	73	40	5.16	35/500	14.4/3240	52/750	21.6/4860	20/300	5.9/1330
		10	3.05	35/500	14.4/3240	35/500	14.4/3240	20/300	5.9/1330
65	76.1	-	6.35	-	-	-	-	-	-
		-	5.08	35/500	15.7/3520	52/750	23.5/5280	16/225	7.1/1590
		-	3.81	35/500	15.7/3520	35/500	15.7/3530	16/225	7.1/1590
80	88.9	40	5.49	35/500	21.4/4810	52/750	32.1/7210	16/225	9.6/2165
		10	3.05	35/500	21.4/4810	35/500	21.4/4800	16/225	9.6/2165
100	114.3	40	6.02	35/500	35.4/7960	52/750	53.0/11900	16/225	15.9/3580
		10	3.05	35/500	35.4/7960	35/500	35.4/7950	16/225	15.9/3580
125	141.3	40	6.55	35/500	54.1/12100	52/750	81.0/18200	20/300	31.3/7035
		10	3.4	35/500	54.1/12100	31/450	48.6/10930	20/300	31.3/7035
150	165.1	-	6.35	35/500	73.8/16610	52/750	110.6/24800	16/225	33.2/7460
		-	5.08	35/500	73.8/16610	31/450	66.4/14930	16/225	33.2/7460
150	168.3	40	7.11	35/500	76.7/17260	52/750	115.0/25800	16/225	34.5/7750
		10	3.4	35/500	76.7/17260	31/450	68.9/15500	16/225	34.5/7750
200	219.1	40	8.18	31/450	116.9/26280	52/750	194.8/43800	16/225	58.4/13140
		30	7.04	31/450	116.9/26280	35/500	130.0/29250	16/225	58.4/13140
		10	3.76	20/300	77.8/17500	20/300	77.8/17500	16/225	58.4/13140
250	273	40	9.27	20/300	121.0/27210	-	-	16/225	90.8/20410
		30	6.35	20/300	121.0/27210	-	-	16/225	90.8/20410
		10	4.19	20/300	121.0/27210	-	-	16/225	90.8/20410
300	323.9	40	10.31	20/300	170.3/38280	-	-	16/225	127.7/28710
		STD	9.53	20/300	170.3/38280	-	-	16/225	127.7/28710
		20	6.35	20/300	170.3/38280	-	-	16/225	127.7/28710
		10	4.57	20/300	170.3/38280	-	-	16/225	127.7/28710

Sabit ve Esnek Kaplin İçin Montaj Talimatı
Installation Instruction for Rigid & Flexible Coupling

1. Boru hazırlığı
   Pipe preparation

Boru ucunu uygun yiv boyutları açısından kontrol edin ve boru ucunda sızdırmazlığı engelleyecek girinti ve çıkıntılar olmadığından emin olun.

Check pipe end for proper groove dimensions and to assure that pipe end is free of indentations and projections that would prevent proper sealing.

2. Contayı yağlayın
   Lubricate gasket

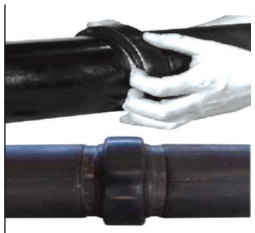
Amaçlanan hizmete uygun olduğundan emin olmak için contayı kontrol edin. Contanın dış yüzeyine ve sızdırmazlık dudaklarına ince Boru Bağlantı Yağlayıcısı sürün.

Check gasket to be sure it's compatible for the intended service. Apply thin Pipe Joint Lubricant to the outside and sealing lips of the gasket.

3. Conta montajı
   Gasket installation

Conta dudağının boru ucundan sarkmadığından emin olarak contayı bir borunun üzerine kaydırın.

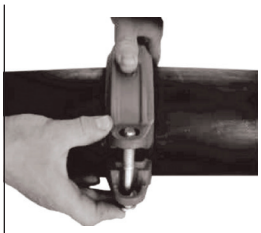
Slip the gasket over one pipe, making sure the gasket lip does not over-hang the pipe end.



4. Hizalama
   Alignment

İki boru ucunu birbirine hizaladıktan sonra, contayı her bir borudaki yivler arasında ortalayarak yerine çekin. Conta her iki borudaki oluğun içine uzanmamalıdır.

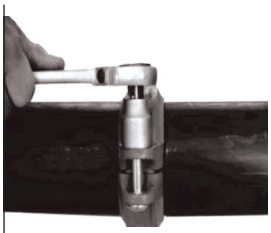
After aligning two pipe ends together, pull the gasket into position, centering between the grooves on each pipe. The gasket should not extend into the groove on either pipe.



5. Kaplin gövdesi kurulumu
   Housing installation

Bir cıvata ve somunu sıkın ve diğer somunu gevşetin. Bir muhafazayı contanın üzerine yerleştirin ve muhafaza anahtarlarının boru kanallarına oturduğundan emin olun. Diğer muhafazayı contanın üzerinden ve her iki borudaki olukların içine doğru döndürün. Cıvatayı yeniden takın ve iki muhafazayı bağlayın.

Romove one bolt&nut and loosen the other nut. Place one housing over the gasket, making sure the housing keys fit into the pipe grooves. Swing the other housing over the gasket and into the grooves on both pipes. Re-insert the bolt and connect two housings.



6. Somunları sıkın
   Tighten nuts

İlk olarak somunları elle sıkın ve oval boyun cıvatasının cıvata deliğine tamamen oturduğundan emin olun. Daha sonra somunları, anahtar kullanarak belirtilen cıvata torkuna eşit şekilde ve dönüşümlü olarak sıkın.

Firstly hand tighten nuts and make sure oval neck bolt completely fits into bolt hole. Then securely tighten nuts alternatively and equally to the specified bolt torque by using spanner.

7a. Montaj tamamlandı - Sabit Kaplin
   Assembly completed - Rigid Coupling

Sabit Kaplin için, cıvata pedlerindeki boşlukları eşit aralıklı tutun. Contalar gözle görülemez.

For Rigid Coupling, keep the gaps at bolt pads evenly spaced. Gaskets can't be seen visually.

7b. Montaj tamamlandı - Esnek Kaplin
   Assembly completed - Flexible Coupling

Esnek Kaplin için, iki gövde demirden demire bağlanmalıdır. Contalar gözle görülemez.

For Flexible Coupling, two housings should be iron to iron connected. Gaskets can't be seen visually.

7c. Montaj tamamlandı - Açılı Yatak Kaplini
   Assembly completed - Angle Pad Coupling

Açılı Tampon Kaplin için, iki gövde demirden demire bağlanmalıdır. Contalar gözle görülemez.

For Angle Pad Coupling, two housings should be iron to iron connected. Gaskets can't be seen visually.

DİKKAT / CAUTION

Belirtilen performansı elde etmek için cıvataların uygun şekilde torklanması gerekir.
- Cıvataların aşırı torklanması cıvata ve/veya dökümde hasara yol açarak boru bağlantısının ayrılmasına neden olabilir.
- Cıvataların yetersiz torklanması daha düşük basınç tutma kapasitesine, daha düşük bükülme yükü kapasitesine, bağlantı sızıntısına ve boru bağlantısının ayrılmasına neden olabilir. Boru bağlantılarının ayrılması önemli maddi hasara ve ciddi yaralanmalara yol açabilir.

Proper torquing of bolts is required to obtain specified performance.
- *Over torquing the bolts may result in damage to the bolt and / or casting which could result in pipe joint separation.*
- *Under torquing the bolts may result in lower pressure retention capabilities, lower bend load capabilities, joint leakage and pipe joint separation. Pipe joint separation may result in significant property damage and serious injury.*

Belirtilen Cıvata Torku / Specified Bolt Torque		
ANSI CIVATALAR / ANSI BOLTS		
Cıvata Boyutu / Bolt Size	**Belirtilen Cıvata Torku** / Specified Bolt Torque	
Inch	Lbs-Ft.	N.m
3/8	30-45	40-60
1/2	80-100	110-135
5/8	100-130	135-175
3/4	130-180	175-245
7/8	180-240	245-325

Dişli ve Yivli Mekanik Te İçin Montaj Talimatı
Installation Instruction for Threaded & Grooved Mechanical Tee

1. Boru hazırlığı
   Pipe preparation

Conta sızdırmazlık yüzeyini delikten itibaren 16 mm içinde temizleyin ve sızdırmazlık yüzeyini contanın düzgün sızdırmazlığını engelleyebilecek kusurlar açısından görsel olarak inceleyin. Kaynak hattı üzerinde delik açmayın.

Clean the gasket sealing surface within 16mm of the hole and visually inspect the sealing surface for defects that may prevent proper sealing of the gasket. Don't drill the hole on weld line.

2. Çapakları temizleyin
   Remove burrs

Boru deliğinde herhangi bir çapak varsa, contayı korumak ve sızıntıyı önlemek için lütfen montajdan önce giderin.

If any burrs or slug exists at the pipe hole, please remove them before assembly, to protect the gasket and avoid leakage.

3. Conta montajı
   Gasket installation

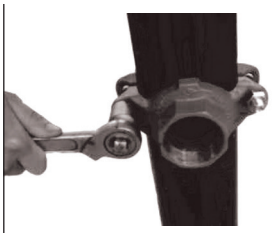
Contadaki tırnağın muhafazadaki tırnak girintileriyle hizalandığından emin olarak contayı çıkış muhafazasına yerleştirin. Yerleştirme bileziğinin boru deliğinde olduğundan emin olarak çıkış muhafazasını boru deliğinin üzerine hizalayın.

Insert the gasket into outlet housing making sure the tab in the gasket line up with the tab recesses in the housing. Align outlet housing over the pipe hole making sure that the locating collar is in the pipe hole.

4. Hizalama
   Alignment

Kayışı borunun etrafına hizalayın, cıvataları takın ve somunları parmak sıkılığında sıkın.

Align the strap around the pipe, inser the bolts and tighten the nuts finger tight.



5. Somunları sıkın
   Tighten nuts

Alternatif olarak somunları belirtilen cıvata torkuna göre eşit şekilde sıkın.

Alternatively and evenly tighten the nuts to the specified bolt torque.

6. Montaj tamamlandı
   Assembly completed

Üst ve alt muhafazalar arasında iki tarafta eşit boşluklar olmalıdır.

There should be even gaps on two sides between upper and lower housings.

DİKKAT / CAUTION

Belirtilen performansı elde etmek için cıvataların uygun şekilde torklanması gerekir.
- Cıvataların aşırı torklanması cıvata ve/veya dökümde hasara yol açarak boru bağlantısının ayrılmasına neden olabilir.
- Cıvataların yetersiz torklanması daha düşük basınç tutma kapasitesine, daha düşük bükülme yükü kapasitesine, bağlantı sızıntısına ve boru bağlantısının ayrılmasına neden olabilir. Boru bağlantılarının ayrılması önemli maddi hasara ve ciddi yaralanmalara yol açabilir.

Proper torquing of bolts is required to obtain specified performance.
- *Over torquing the bolts may result in damage to the bolt and / or casting which could result in pipe joint separation.*
- *Under torquing the bolts may result in lower pressure retention capabilities, lower bend load capabilities, joint leakage and pipe joint separation. Pipe joint separation may result in significant property damage and serious injury.*

Belirtilen Cıvata Torku / Specified Bolt Torque		
ANSI CIVATALAR / ANSI BOLTS		
Cıvata Boyutu / Bolt Size	**Belirtilen Cıvata Torku** / Specified Bolt Torque	
Inch	Lbs-Ft.	N.m
3/8	30-45	40-60
1/2	80-100	110-135
5/8	100-130	135-175
3/4	-	-
7/8	-	-

U-Bolt Mekanik Te için Montaj Talimatı
Installation Instruction for U-Bolt Mechanical Tee

1. Boru hazırlığı
   Pipe preparation

Conta sızdırmazlık yüzeyini delikten itibaren 16 mm içinde temizleyin ve sızdırmazlık yüzeyini contanın düzgün sızdırmazlığını engelleyebilecek kusurlar açısından görsel olarak inceleyin. Kaynak hattı üzerinde delik açmayın.

Clean the gasket sealing surface within 16mm of the hole and visually inspect the sealing surface for defects that may prevent proper sealing of the gasket. Don't drill the hole on weld line.

2. Çapakları temizleyin
   Remove burrs

Boru deliğinde herhangi bir çapak veya sümüklü böcek varsa, contayı korumak ve sızıntıyı önlemek için lütfen montajdan önce bunları çıkarın.

If any burrs or slug exists at the pipe hole, please remove them before assembly, to protect the gasket and avoid leakage.

3. Conta montajı
   Gasket installation

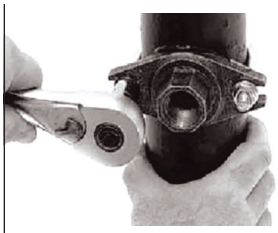
Contayı çıkış muhafazasına düzgün bir şekilde yerleştirin. Yerleştirme bileziğinin boru deliğinde olduğundan emin olarak çıkış muhafazasını boru deliğinin üzerine hizalayın.

Insert the gasket into outlet housing properly. Align outlet housing over the pipe hole making sure that the locating collar is in the pipe hole.

4. Hizalama
   Alignment

U cıvatayı diğer taraftan takın ve somunları parmak sıkılığında sıkın.

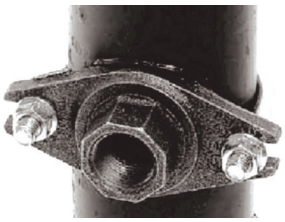
Attach the U-bolt from the other side and tighten the nuts finger tight.



5. Somunları sıkın
   Tighten nuts

Alternatif olarak somunları belirtilen cıvata torkuna göre eşit şekilde sıkın.

Alternatively and evenly tighten the nuts to the specified bolt torque.



6. Montaj tamamlandı
   Assembly completed

Montaj tamamlandı.

Assembly completed.

DİKKAT / CAUTION

Belirtilen performansı elde etmek için cıvataların uygun şekilde torklanması gerekir.
- Cıvataların aşırı torklanması cıvata ve/veya dökümde hasara yol açarak boru bağlantısının ayrılmasına neden olabilir.
- Cıvataların yetersiz torklanması daha düşük basınç tutma kapasitesine, daha düşük bükülme yükü kapasitesine, bağlantı sızıntısına ve boru bağlantısının ayrılmasına neden olabilir. Boru bağlantılarının ayrılması önemli maddi hasara ve ciddi yaralanmalara yol açabilir.

Proper torquing of bolts is required to obtain specified performance.
- *Over torquing the bolts may result in damage to the bolt and / or casting which could result in pipe joint separation.*
- *Under torquing the bolts may result in lower pressure retention capabilities, lower bend load capabilities, joint leakage and pipe joint separation. Pipe joint separation may result in significant property damage and serious injury.*

Belirtilen Cıvata Torku / Specified Bolt Torque		
ANSI CIVATALAR / ANSI BOLTS		
Cıvata Boyutu / Bolt Size	**Belirtilen Cıvata Torku** / Specified Bolt Torque	
Inch	Lbs-Ft.	N.m
3/8	20-30	30-40
1/2	80-100	110-135
5/8	100-130	135-175
3/4	-	-
7/8	-	-

Flanş Adaptörü İçin Montaj Talimatı
Installation Instruction for Grooved Flange

1. Boru hazırlığı
   Pipe preparation

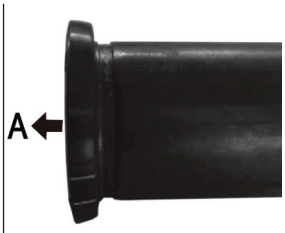
Boru ucunu uygun yiv boyutları açısından kontrol edin ve boru ucunda düzgün sızdırmazlığı engelleyecek girinti ve çıkıntılar olmadığından emin olun.

Check pipe end for proper groove dimensions and to assure that pipe end is free of indentations and projections that would prevent proper sealing.

2. Contayı yağlayın
   Lubricate gasket

Amaçlanan hizmete uygun olduğundan emin olmak için contayı kontrol edin. Contanın dış yüzeyine ve sızdırmazlık dudaklarına ince Boru Bağlantı Yağlayıcısı sürün.

Check gasket to be sure it's compatible for the intended service. Apply thin Pipe Joint Lubricant to the outside and sealing lips of the gasket.



3. Conta montajı
   Gasket installation

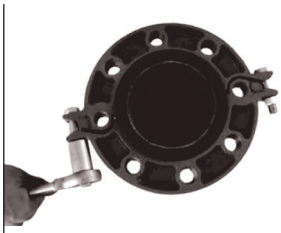
Contayı, conta açıklığı "A" yönünde olacak şekilde boru ucunun üzerine kaydırın. Conta sızdırmazlık dudağının boru ucuyla eşit olduğundan emin olun.

Slip the gasket over pipe end, with the gasket opening side towards "A". Make sure the gasket sealing lip is even with pipe end.

4. Muhafaza kurulumu
   Housing installation

Cıvataları ve somunları çıkarın, iki muhafazayı contanın üzerine yerleştirin ve muhafaza anahtarlarının boru kanallarına oturduğundan emin olun. Cıvataları yeniden takın ve somunları elle sıkın.

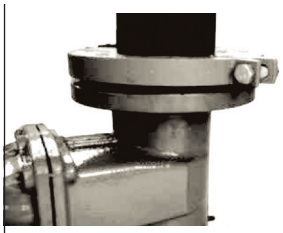
Romove bolts and nuts, place two housings over the gasket, making sure the housing keys fit into the pipe grooves. Re-insert the bolts and hand tighten the nuts.tight.



5. Somunları sıkın
   Tighten nuts

Somunları somun anahtarı kullanarak belirtilen cıvata torkuna eşit şekilde ve dönüşümlü olarak sıkın.

Securely tighten nuts alternatively and equally to the specified bolt torque by using spanner.



6. Eşleşen flanşı bağlayın
   Connect mating flange

Flanş cıvata deliklerini eşleşen flanş (veya valf) cıvata delikleriyle hizalayın. Cıvata deliğinden standart bir flanş cıvatası geçirin ve bir somunu elle sıkın. İlk cıvatanın karşısına başka bir cıvata yerleştirin ve bir somunu elle sıkın. Tüm cıvata delikleri takılana kadar bu işleme devam edin. Somunları, flanş yüzeyleri paralel kalacak şekilde belirtilen cıvata torkuna eşit olarak sıkın. Montaj tamamlandı.

Align flange bolt holes with mating flange (or valve) bolt holes. Insert a standard flange bolt through bolt hole and hand tighten a nut. Insert another bolt opposite the first and hand tighten a nut. Continue this until all bolt holes are fitted. Tighten nuts evenly to specified bolt torque, so flange faces remain parallel. Assembly completed.

DİKKAT / CAUTION

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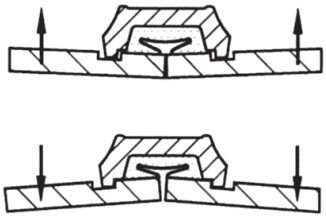
Belirtilen Cıvata Torku / Specified Bolt Torque		
ANSI CIVATALAR / ANSI BOLTS		
Cıvata Boyutu / Bolt Size	**Belirtilen Cıvata Torku** / Specified Bolt Torque	
Inch	Lbs-Ft.	N.m
M10	30-45	40-60
M12	80-100	110-135
M16	-	-
M20	-	-
M22	-	-
M24	-	-

Esnek Kaplin
Flexible Coupling

1. Esnek bir kaplin, aşağıdaki gibi boru sapmasını ve / veya hizalanmamasını barındırır: Nominal çap <DN200 ise, sapma açısı ≥1°'dir; Nominal çap ≥DN200 ise, sapma açısı ≥0,5° ancak <1°'dir.

A flexible coupling accommodates pipe deflection and or non-alignment as below: If nominal diameter <DN200, deflection angle is ≥1°; If nominal diameter ≥DN200, deflection angle is ≥0.5°but <1°.

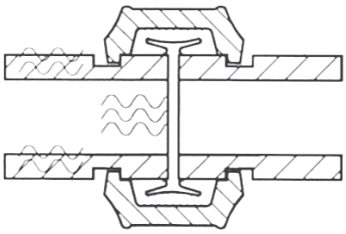


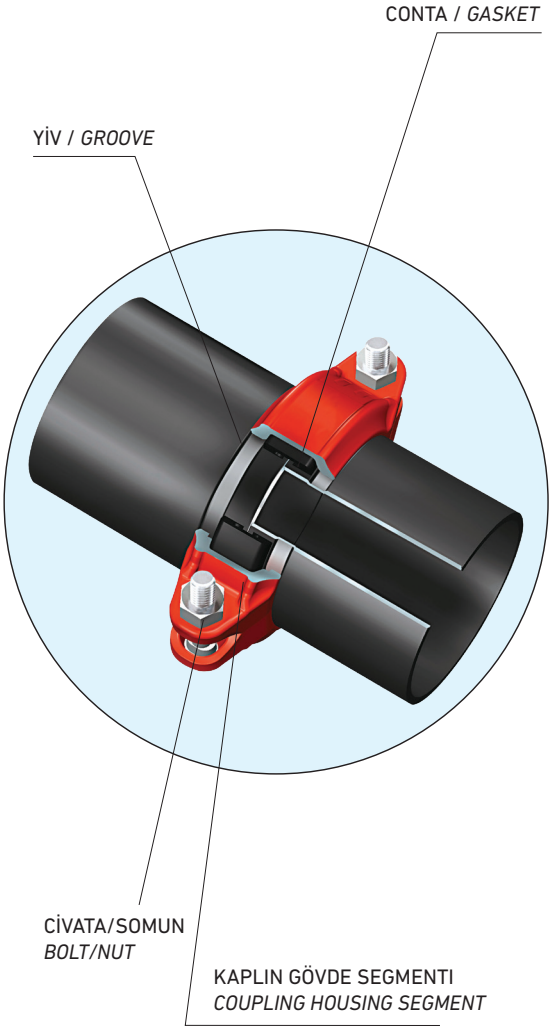
2. C şeklindeki kauçuk conta, hem düşük hem de yüksek basınçlı hizmetlerde ve belirli vakum koşullarında mükemmel kendinden sızdırmazlık özellikleri sağlar.

The C-shaped rubber gasket provides excellent self-sealing capabilities in both low and high pressure service as well as under certain vacuum conditions.

3. Elastomerik contalı kaplinin tasarımı ve yapısı, sismik stresin yanı sıra önemli ölçüde gürültü ve titreşim emilimi sağlayabilir.

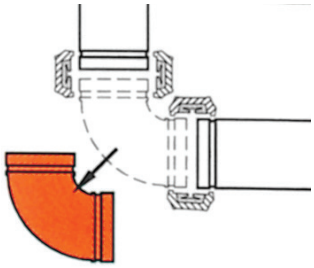
The design and construction of the coupling with elastomeric gaskets can provide significant noise and vibration absorption as well as seismic stress.





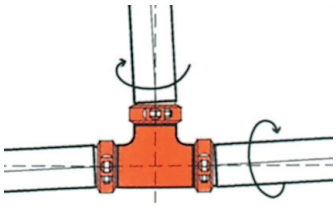
4. Sadece birkaç cıvatanın çıkarılmasıyla temizlik, bakım, değişiklik veya sistem genişletme için sisteme kolayca erişebilirsiniz.

With the removal of just a few bolts you can easily access the system for cleaning, maintenance, changes or system expansion.



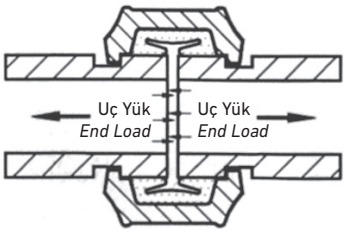
5. Kaplinler yönsüzdür ve boru montaj sırasında 360° döndürülebilir.

Coupling are non-directive and pipe can be rotated 360°during installation.



6. Kaplin anahtarları yivlerin tüm çevresini kavrar ve iç ve dış kuvvetlerden kaynaklanan boru hareketine karşı önemli basınç ve uç yük kısıtlaması sağlar.

Coupling keys engage the full circumference of the grooves and provide significant pressure and end load restraint against pipe movement from internal and external forces.



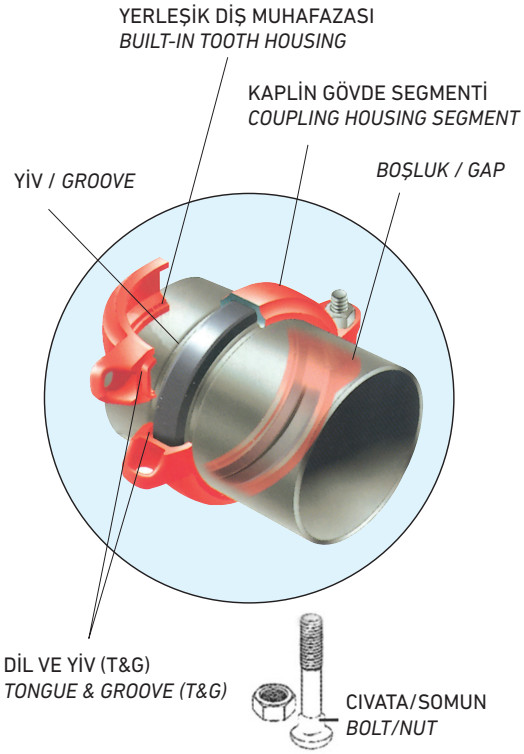
Sabit Kaplin
Rigid Coupling

1. Hafifçe kısaltılmış anahtar çapı ile birlikte T&G mekanizması, istenmeyen açısal hareketi azaltan sabit bir bağlantı ile sonuçlanan mekanik ve sürtünmeli bir kilitleme sağlar.

   The T&G mechanism in combination with a slightly shortened key diameter provides a mechanical and frictional interlock resulting in a rigid joint which reduces undesired angular movement.

2. Kaplin üzerindeki yerleşik dişler oluk omzunu kavrar ve doğrusal hareketi azaltmaya yarar.

   The built-in teeth on the coupling grip the groove shoulder and serve to reduce linear movement.



3. T&G mekanizması, contayı maruz kalmaktan korumaya yarayan kaplin yarılarının dibinde hafif bir ofsete sahiptir.

   The T&G mechanism features a slight offset at the foot of the coupling halves which serve to protect the gasket from exposure.

4. T&G tarzı kaplin ile cıvata pedlerinin metaller arasında teması gerekmez. Takıldığında normalde kalın pedler arasında 1/16"- 1/8" (1,6 mm ila 3,2 mm) boşluk göreceksiniz.

   With the T&G style coupling no metal-to-metal contact of the bolt pads is required. You will normally see a 1/16"-1/8"(1.6mm to 3.2mm) gap between the bold pads when installed.

Mekanik Te Bağlantısı
Mechanical Tee Connection

Mekanik Te (UV53, UV51, UV50) hızlı ve kolay bir yivli veya dişli branşman çıkışı sağlar ve kaynak veya redüksiyon Te ve kaplin kullanımı ihtiyacını ortadan kaldırır. Beklenen yerde belirtilen boyutta bir delik açın ve mekanik Te'yi sağlanan somun ve cıvatalarla boruya sabitleyin. Gövde cıvataları sıkıldıkça, basınca duyarlı conta sızdırmaz bir sızdırmazlık oluşturur.

The Mechanical Tee (UV53, UV51, UV50) provide for a fast and easy grooved or threaded branch outlet and eliminate the need for welding or the use of a reducing tee and couplings. Simply cut a hole to the specified size at the expected location and fasten the mechanical tee to the pipe with the nuts and bolts provided. As the housing bolts are tightened, the pressure responsive gasket forms a leak-tight seal.