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**YANGINDAN
KORUNMA ÜRÜNLERİ**
FIRE PROTECTION
PRODUCTS

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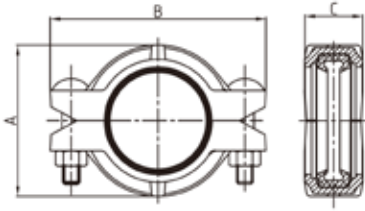
SPRINKLER

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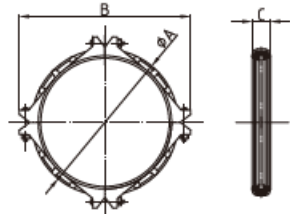
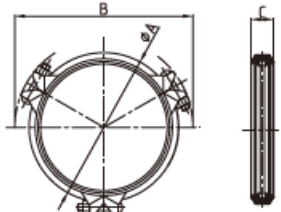
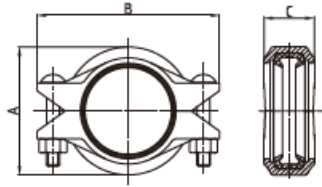
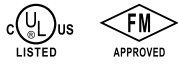
KAPLINLER VE BAĞLANTI PARÇALARI COUPLINGS AND FITTINGS

**Yüksek Basıncılı
Esnek Kaplin**
Heavy-duty
Flexible Coupling



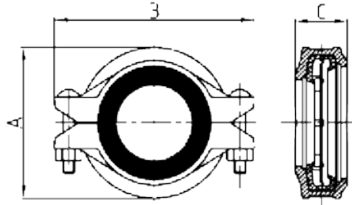
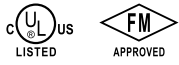
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Taşıyabileceği Maksimum Yük Max. End Load kN/Lbs	Boru Ucu Ayrırma Pipe End Separation mm/in	Ölçüler/Dimensions			Cıvata Ölçüsü Bolt Size No.-Size mm/in	Sertifika Certificate
					A mm/in	B mm/in	C 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

Standart
Esnek Kaplin
Standard
Flexible Coupling



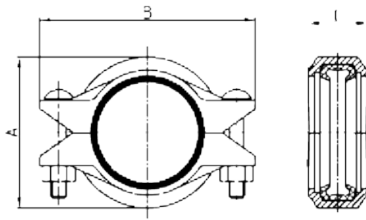
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Taşıyabileceği Maksimum Yük Max. End Load kN/Lbs	Boru Ucu Ayrırma Pipe End Separation mm/in	Ölçüler/Dimensions			Civata Ölçüsü Bolt Size No.-Size mm/in	Sertifika Certificate
					A mm/in	B mm/in	C 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	3-7/8×140 3-M22×140	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	3-7/8×140 3-M22×140	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	3-7/8×140 3-M22×140	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

Standart
Redüksiyon Kaplin
Standard Reducing
Flexible Coupling



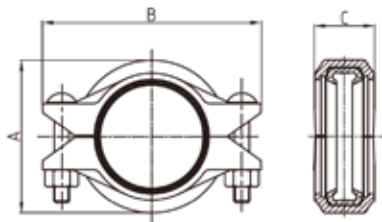
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Taşıyabileceği Maksimum Yük Max. End Load kN/Lbs	Boru Ucu Ayrırma Pipe End Separation mm/in	Ölçüler/Dimensions			Civata Ölçüsü Bolt Size No.-Size mm/in	Sertifika Certificate
					A mm/in	B mm/in	C 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

Esnek Kaplin Flexible Coupling



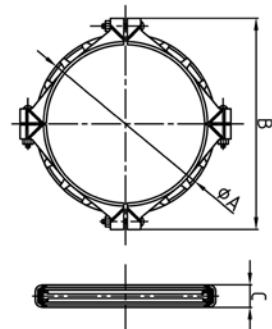
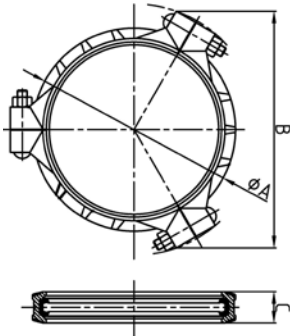
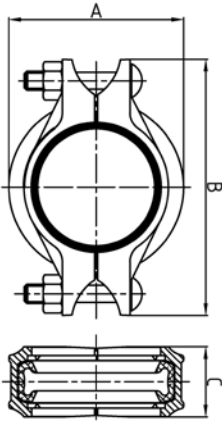
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Taşıyabileceği Maksimum Yük Max. End Load kN/Lbs	Boru Ucu Ayrırma Pipe End Separation mm/in	Ölçüler/Dimensions			Civata Ölçüsü Bolt Size No.-Size mm/in	Sertifika Certificate
					A mm/in	B mm/in	C 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

Esnek Kaplin Flexible Coupling



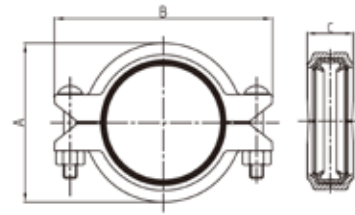
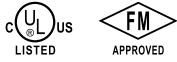
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions			Civata Ölçüsü Bolt Size No.-Size mm/in	Sertifika Certificate
			A mm/in	B mm/in	C mm/in		
50 2	60.3 2.37	300 2.07	82.2 3.24	125 4.92	44.5 1.75	2-3/8X55 2-M10X57	-
65 2 1/2	73.0 2 1/2	363 2.5	94.5 3.720	136 5.354	44.5 1.752	2-3/8X55 2-M10X57	UL
65 2 1/2	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

Standart Sabit Kaplin Standard Rigid Coupling



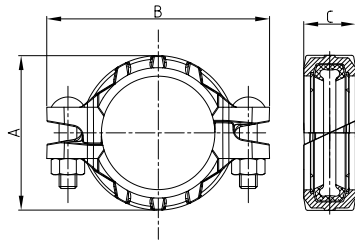
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Taşıyabileceği Maksimum Yük Max. End Load kN/Lbs	Boru Ucu Ayrırma Pipe End Separation mm/in	Ölçüler/Dimensions			Cıvata Ölçüsü Bolt Size No.-Size mm/in	Sertifika Certificate
					A mm/in	B mm/in	C 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	3-7/8X140 3-M22X140	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	4-1X140	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	-

Sabit Kaplin Rigid 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 No.-Size mm/in	Sertifika Certificate
					A mm/in	B mm/in	C 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

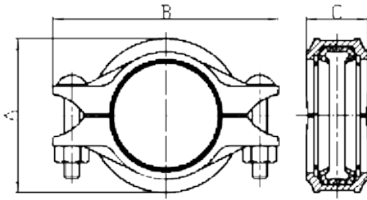
Yüksek Basıncılı Sabit Kaplin Heavy duty Rigid Coupling



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 No.-Size mm/in	Sertifika Certificate
			A mm/in	B mm/in	C 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

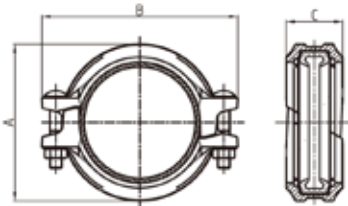
Standart Sabit Kaplin Standard Rigid Coupling



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 No.-Size mm/in	Sertifika Certificate
			A mm/in	B mm/in	C mm/in		
32 1 1/4	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 1 1/2	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 2 1/2	73.0 2.875	363 2.5	94.5 3.720	136 5.354	44 1.732	2-3/8X55 2-M10X57	UL
65 2 1/2	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

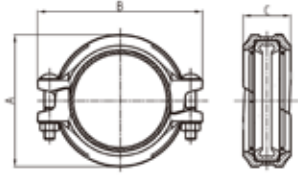
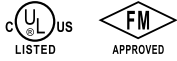
UV19

Çapraz Pedli Sabit Kaplin Angle Pad Coupling



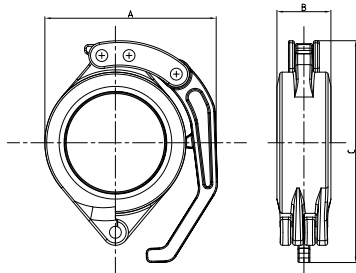
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D. mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Taşıyabileceği Maksimum Yük Max. End Load kN/Lbs	Pipe End Separation mm/in	Ölçüler/Dimensions			Civata Ölçüsü Bolt Size No.-Size mm/in	Sertifika Certificate
					A mm/in	B mm/in	C mm/in		
32 1 1/4	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 1 1/2	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 2 1/2	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 2 1/2	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

Sabit Kaplin Angle Pad Coupling



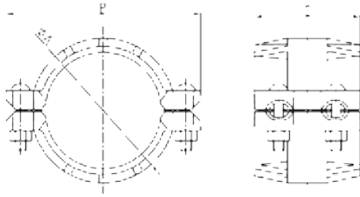
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions			Civata Ölçüsü Bolt Size No.-Size mm/in	Sertifika Certificate
			A mm/in	B mm/in	C mm/in		
100 4	114.3 4.500	300 2.07	140.5 5.53	177.5 6.99	46.5 1.83	2-3/8X60 2-M10X63	UL
150 6	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

Civatasız Hızlı Kaplin Standard Wrench Coupling



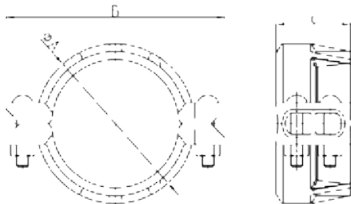
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Taşıyabileceği Maksimum Yük Max. End Load kN/Lbs	Pipe End Separation mm/in	Ölçüler/Dimensions		
					A mm/in	B mm/in	C mm/in
80 3	88.9 3.500	365 2.5	15.5/3490	0-3.2 0-0.13	143 5.63	45.5 1.79	180 7.09

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

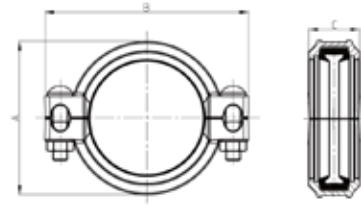
HDPE Geçiş Kaplini
HDPE Transition
Coupling



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

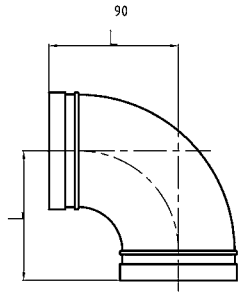
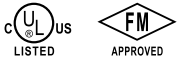


Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Taşıyabileceği Maksimum Yük Max. End Load kN/Lbs	Pipe End Separation mm/in	Ölçüler/Dimensions			Civata Ölçüsü Bolt Size
					A mm/in	B mm/in	C mm/in	No.-Size mm/in
50 2	60.3 2.375	580 4.00	11.4/2569	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

90° Dirsek

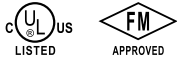
90° Elbow



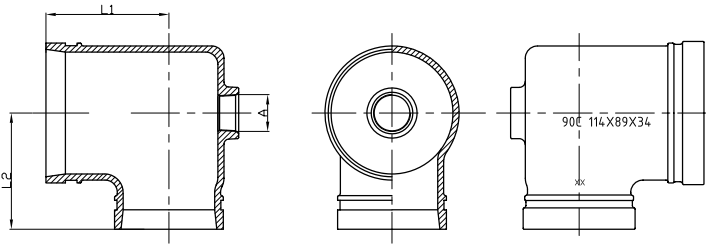
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions L mm/in	Sertifika Certificate
25 1	33.7 1.315	500 3.45	57 2.24	UL FM
32 1¼	42.4 1.660	500 3.45	70 2.75	UL FM
40 1½	48.3 1.900	500 3.45	70 2.75	UL FM
50 2	60.3 2.375	500 3.45	82.5 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	-

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	L 1 mm/in	L 2 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

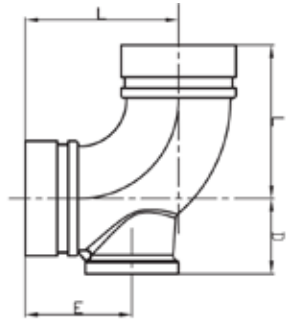


90° Tahliye Dirseği

90° Drain Elbow

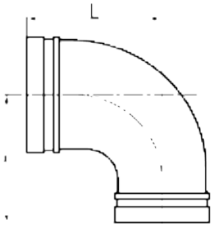


Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions			Sertifika Certificate
			L mm/in	D mm/in	E mm/in	
50 2	60.3 2.375	300 2.07	82.5 3.248	57 2.244	40 1.575	-
65 2 1/2	73 2.875	300 2.07	95 3.74	70 2.756	43 1.693	-
80 3	88.9 3.500	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

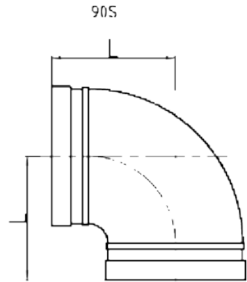
90° Redüksiyon Dirseği 90° Reducing Elbow



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

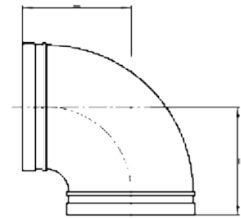
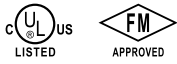
UV22

90° Dirsek 90° Elbow



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 2 1/2	73.0 2.875	300 2.07	76 3.00	UL FM
65 2 1/2	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

90° Dirsek 90° Elbow



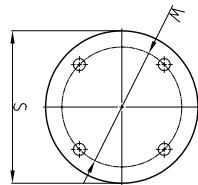
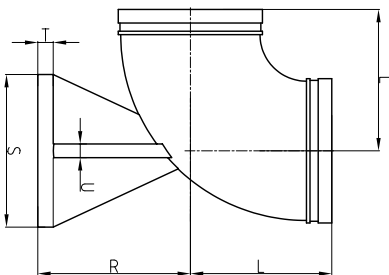
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions L mm/in	Sertifika Certificate
80 3	88.9 3.5	300 2.07	80.5 3.17	UL FM
100 4	108.0 4.250	300 2.07	92 3.62	UL FM
100 4	114.3 4.500	300 2.07	96 3.78	UL FM
125 5	133.0 5.250	300 2.07	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

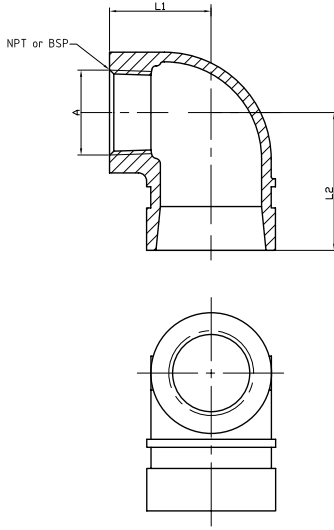


Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions					
			L mm/in	R mm/in	U mm/in	T mm/in	S mm/in	W mm/in
80 3	88.9 3.500	300 2.07	108 4.25	124 4.88	13 0.5	14 0.56	127 5	99 3.88
100 4	114.3 4.500	300 2.07	127 5.00	140 5.5	13 0.5	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

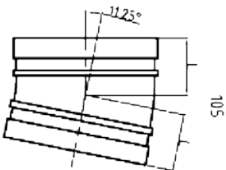
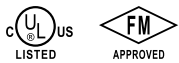
90° END-ALL Dirsek 90° END-ALL Elbow



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

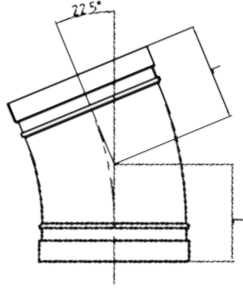
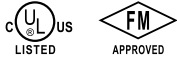
11.25° Dirsek 11.25° Elbow



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

22.5° Dirsek

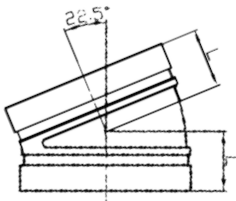
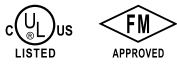
22.5° Elbow



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
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

22.5° Dirsek

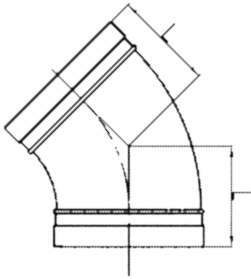
22.5° Elbow



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
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

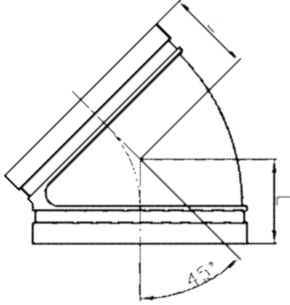
45° Elbow



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	-

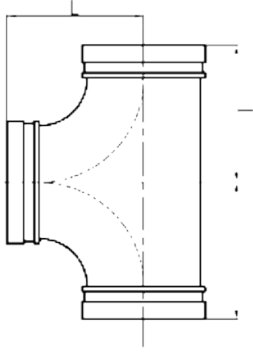
45° Dirsek

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
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

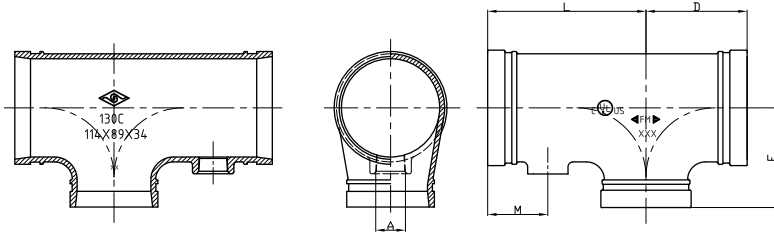
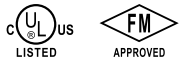
Te Tee



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	-

Redüksiyon Te

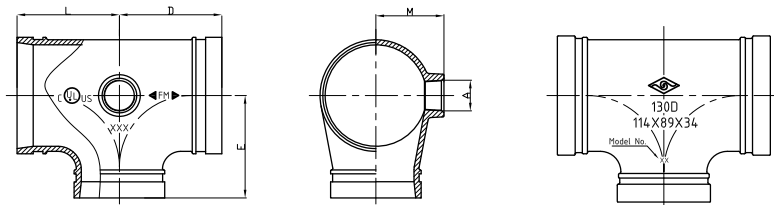
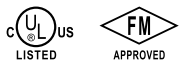
Reducing Tee



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

Redüksiyon Te

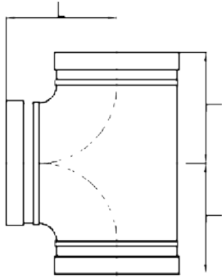
Reducing Tee



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

Te

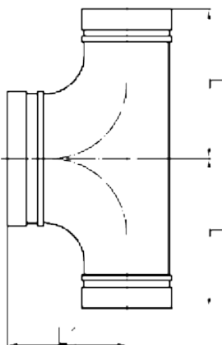
Tee



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	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

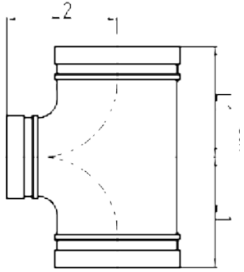
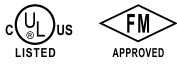
Redüksiyon Te

Reducing Tee



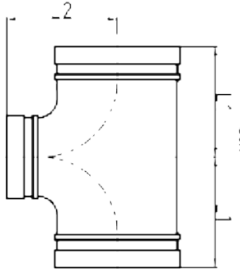
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler Dimensions L mm/in	Ölçüler Dimensions L 1 mm/in	Sertifika Certificate
65×65×80 2½×2½×3	76.1×76.1×88.9 3.000×3.000×3.500	500 3.45	108 4.25	95 3.74	-
65×65×100 2½×2½×4	76.1×76.1×114.3 3.000×3.000×4.500	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	-

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 L 1 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 4×2½	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 6×2½	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

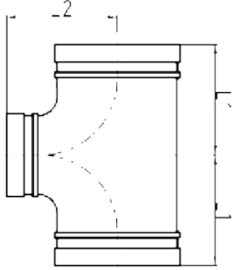
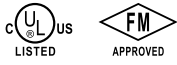
Redüksiyon Te Reducing Tee



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 L 1 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 8×2½	219.1×73.0 8.625×2.875	300 2.07	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	-

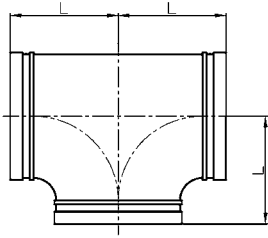
Redüksiyon Te

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 L 1 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	-

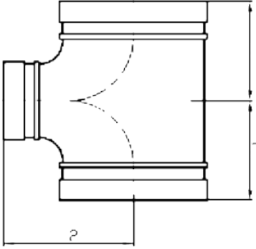
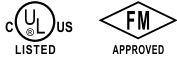
Te Tee



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	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

Redüksiyon Te

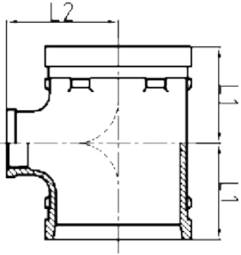
Reducing Tee



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 L 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
150×125 6×5	159.0×133.0 6.250×4.250	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

Dişli Redüksiyon Te

Reducing Tee with Female Thread

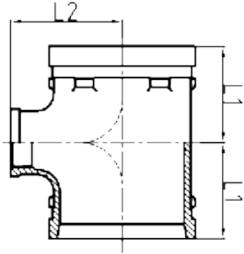


Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler Dimensions L mm/in	Ölçüler Dimensions L 1 mm/in	Sertifika Certificate
50×25 2×1	60.3×33.7 2.375×1.315	500 3.45	70 2.75	70 2.75	UL FM
50×32 2×1½	60.3×42.4 2.375×1.660	500 3.45	70 2.75	70 2.75	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

Dişli Redüksiyon Te

Reducing Tee

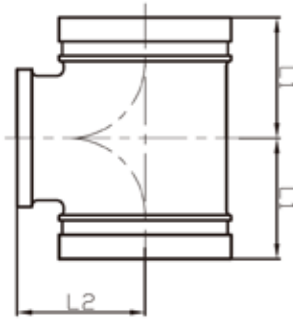
with Female Thread



Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler Dimensions L mm/in	Ölçüler Dimensions L 1 mm/in	Sertifika Certificate
65x50 2½x2	73.0x60.3 2.875x2.375	500 3.45	76 3.00	76 3.00	UL FM
100x25 4x1	114.3x33.7 4.500x1.315	300 2.07	76 2.99	88 3.47	UL FM
100x32 4x1½	114.3x42.4 4.500x1.660	300 2.07	76 2.99	88 3.47	UL FM
100x40 4x1½	114.3x48.3 4.500x1.900	300 2.07	85 3.35	91 3.58	UL FM
100x50 4x2	108.0x60.3 4.250x2.375	300 2.07	85 3.35	91 3.58	UL FM
100x50 4x2	114.3x60.3 4.500x2.375	300 2.07	85 3.35	91 3.58	UL FM
125x50 5x2	133.0x60.3 5.250x2.375	300 2.07	86 3.39	106 4.17	UL FM
125x65 5x2½	133.0x76.1 5.250x3.000	300 2.07	102 4.02	111 4.37	UL FM
125x80 5x3	133.0x88.9 5.250x3.500	300 2.07	102 4.02	111 4.37	UL FM
125x25 5x1	139.7x33.7 5.500x1.315	300 2.07	78 3.07	103 4.06	UL FM
125x32 5x1½	139.7x42.4 5.500x1.660	300 2.07	78 3.07	103 4.06	UL FM
125x40 5x1½	139.7x48.3 5.500x1.900	300 2.07	86 3.39	106 4.17	UL FM
125x50 5x2	139.7x60.3 5.500x2.375	300 2.07	86 3.39	106 4.17	UL FM
125x65 5x2½	139.7x76.1 5.500x3.000	300 2.07	102 4.02	111 4.37	UL FM
125x80 5x3	139.7x88.9 5.500x3.500	300 2.07	102 4.02	111 4.37	UL FM
150x60 6x2	159.0x60.3 6.250x2.375	300 2.07	92 3.62	124 4.88	UL FM
150x65 6x2½	159.0x76.1 6.250x3.000	300 2.07	107 4.21	129 5.08	UL FM
150x80 6x3	159.0x88.9 6.25x03.500	300 2.07	107 4.21	129 5.08	UL FM
150x25 6x1	165.1x33.7 6.500x1.315	300 2.07	83 3.27	121 4.76	UL FM
150x32 6x1½	165.1x42.4 6.500x1.660	300 2.07	83 3.27	121 4.76	UL FM
150x40 6x1½	165.1x48.3 6.500x1.900	300 2.07	92 3.62	124 4.88	UL FM
150x50 6x2	165.1x60.3 6.500x2.375	300 2.07	92 3.62	124 4.88	UL FM
150x65 6x2½	165.1x76.1 6.500x3.000	300 2.07	107 4.21	129 5.08	UL FM
150x80 6x3	165.1x88.9 6.500x3.500	300 2.07	107 4.21	129 5.08	UL FM
150x50 6x2	168.3x60.3 6.625x2.375	300 2.07	92 3.62	124 4.88	UL FM
150x65 6x2½	168.3x76.1 6.625x3.000	300 2.07	107 4.21	129 5.08	UL FM
150x80 6x3	168.3x88.9 6.625x3.500	300 2.07	107 4.21	129 5.08	FM
200x100 8x4	219.1x114.3 8.625x4.500	300 2.07	175 6.89	175 6.89	UL FM

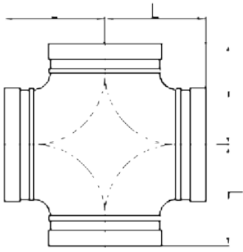
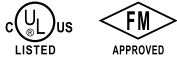
Dişli Redüksiyon Te

Slim Type Reducing Tee with Female Thread



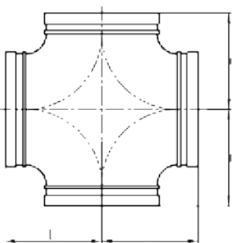
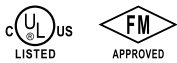
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler Dimensions L mm/in	Ölçüler Dimensions L 1 mm/in	Sertifika Certificate
50×25 2×1	60.3×33.7 2.375×1.315	300 2.07	58 2.28	55 2.17	UL FM
50×40 2×1½	60.3×48.3 2.375×1.900	300 2.07	63.5 2.50	53 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

Kruva Cross



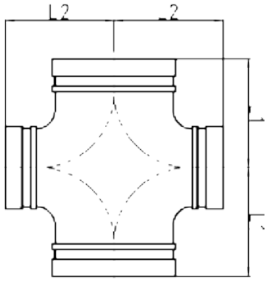
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions L mm/in	Sertifika Certificate
32 1¼	42.4 1.660	500 3.45	70 2.75	UL FM
40 1½	48.3 1.900	500 3.45	70 2.75	UL FM
50 2	60.3 2.375	500 3.45	70 2.75	UL FM
65 2½	73.0 2.875	500 3.45	76 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	-

Kruva Cross



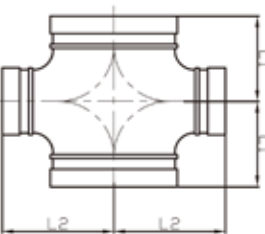
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions L mm/in	Sertifika Certificate
150 6	159.0 6.250	300 2.07	121.5 4.78	UL FM
150 6	165.1 6.500	300 2.07	130 5.12	UL FM
150 6	168.3 6.625	300 2.07	130 5.12	UL FM
200 8	219.1 8.625	300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

Redüksiyon Kruva Reducing Cross



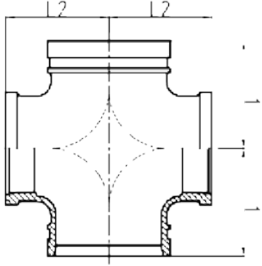
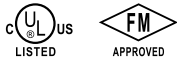
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler Dimensions L 1 mm/in	Ölçüler Dimensions L 2 mm/in	Sertifika Certificate
65×50 2½×2	76.1×60.3 3.000×2.375	500 3.45	76 3.00	76 3.00	UL FM
80×50 3×2	88.9×60.3 3.500×2.375	500 3.45	85.5 3.37	85.5 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

Redüksiyon Kruva Reducing Cross



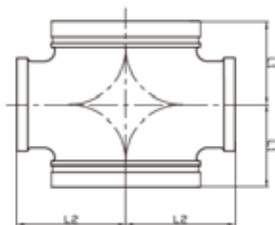
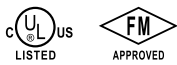
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler Dimensions L 1 mm/in	Ölçüler Dimensions L 2 mm/in	Sertifika Certificate
150×100 6×4	165.1×114.3 6.500×4.500	300 2.07	100 3.94	130 5.12	UL FM
150×100 6×4	168.3×114.3 6.625×4.500	300 2.07	100 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

Yivli X İç Dişli
Redüksiyon Kruva
 Reducing Cross
 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 1 mm/in	Ölçüler Dimensions L 2 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	165.1×76.1 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	-

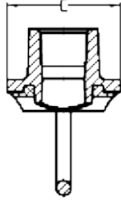
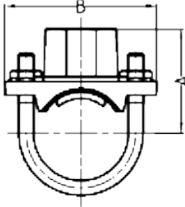
Yivli X İç Dişli
Redüksiyon Kruva
 Slim Type Reducing Cross
 with Female Thread



Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler Dimensions L 1 mm/in	Ölçüler Dimensions L 2 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	-

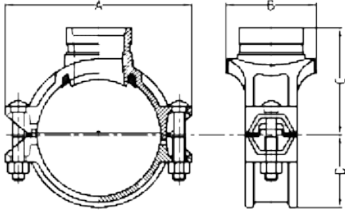
U Boltlu Mekanik Te

U-Bolt Mechanical Tee



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 Cıvata 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 2X1¼	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 4X1¼	114.3X42.4 4.500X1.660	51 2	300 2.07	95 3.74	185 7.28	85 3.35	1/2X70	FM
100X40 4X1½	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

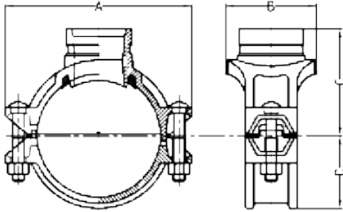
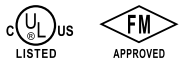
Yivli Mekanik Te Mechanical Tee Grooved Outlet



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				Cıvata 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	114.3×42.4 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

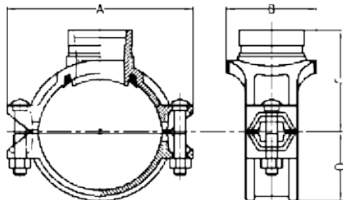
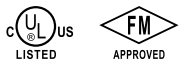
Yivli Mekanik Te Mechanical Tee Grooved Outlet



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				Cıvata 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 8×2½	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 8×2½	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 8×2½	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

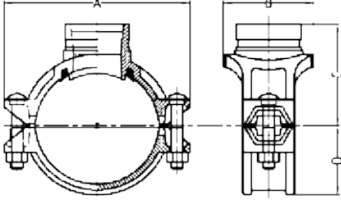
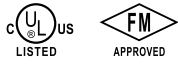
UV52

Yivli Mekanik Te Mechanical Tee Grooved Outlet



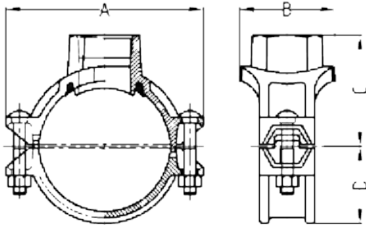
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D. mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Delik Çapı Hole Dia mm/in +1.6,0/+0.063,0	Ölçüler/Dimensions				Cıvata Ölçüsü Bolt Size mm/in	Sertifika Certificate
				A mm/in	B mm/in	C mm/in	D mm/in		
80×25 3×1	88.9×33.7 3.500×1.315	365 2.52	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 4×2½	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	-

Yivli Mekanik Te Mechanical Tee Grooved Outlet



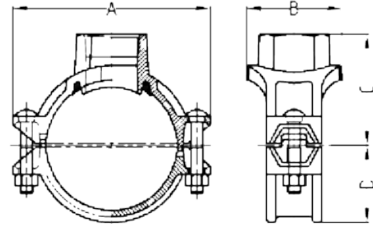
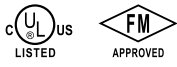
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Delik Çapı Hole Dia mm/in +1.6,0/+0.063,0	Ölçüler/Dimensions				Cıvata Ölçüsü Bolt Size mm/in	Sertifika Certificate
				A mm/in	B mm/in	C mm/in	D mm/in		
125×80 133.0×3	133.0×88.9 5.250×3.500	300 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 6×1 1/4	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 6×1 1/2	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 6×2 1/2	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 8×2 1/2	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

Dişli Mekanik Te Mechanical Tee Threaded Outlet



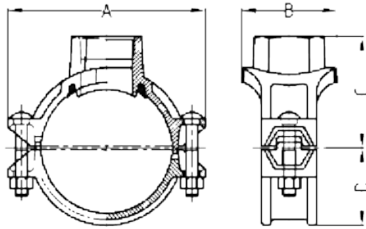
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Delik Çapı Hole Dia mm/in +1.6,0/+0.063,0	Ölçüler/Dimensions				Civata Ölçüsü Bolt Size mm/in	Sertifika Certificate
				A mm/in	B mm/in	C mm/in	D mm/in		
25X10 1X3/8	33.7X17.2 1.315X0.677	300 2.07	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	-
50x10 2x3/8	60.3x17.2 2.375x0.677	300 2.07	38 1.50	116 4.57	68 2.68	44 1.73	39 1.54	3/8x55 M10X57	UL
50x15 2x1/2	60.3x21.3 2.375x0.825	400 2.76	38 1.50	116 4.57	68 2.68	60 2.36	39 1.54	3/8x55 M10X57	UL FM
50x20 2x3/4	60.3x26.9 2.375x1.050	400 2.76	38 1.50	116 4.57	68 2.68	60 2.36	39 1.54	3/8x55 M10X57	UL FM
50x25 2x1	60.3x33.7 2.375x1.315	400 2.76	38 1.50	116 4.57	68 2.68	60 2.36	39 1.54	3/8x55 M10X57	UL FM
50x32 2x1 1/4	60.3x42.4 2.375x1.660	400 2.76	45 1.75	116 4.57	76 2.99	65 2.56	39 1.54	3/8x55 M10X57	UL FM
50x40 2x1 1/2	60.3x48.3 2.375x1.900	400 2.76	45 1.75	116 4.57	76 2.99	65 2.56	39 1.54	3/8x55 M10X57	UL FM
65x15 2 1/2x1/2	73.0x21.3 2.875x0.825	400 2.76	38 1.50	137 5.39	71 2.76	68 2.67	49 1.93	1/2x70 M12X70	UL FM
65x20 2 1/2x3/4	73.0x26.9 2.875x1.050	400 2.76	38 1.50	137 5.39	71 2.76	68 2.67	49 1.93	1/2x70 M12X70	UL FM
65x25 2 1/2x1	73.0x33.7 2.875x1.315	400 2.76	38 1.50	137 5.39	71 2.76	70 2.75	49 1.93	1/2x70 M12X70	UL FM
65x32 2 1/2x1 1/4	73.0x42.4 2.875x1.660	400 2.76	51 2.00	137 5.397	84.5 3.33	73 2.87	49 1.93	1/2x70 M12X70	UL FM
65x40 2 1/2x1 1/2	73.0x48.3 2.875x1.900	400 2.76	51 2.00	137 5.39	84.5 3.33	73 2.87	49 1.93	1/2x70 M12X70	UL FM
65x15 76.1x1/2	76.1x21.3 3.000x0.825	300 2.07	38 1.50	137 5.39	71 2.80	61.5 2.42	49.5 1.95	1/2x70 M12X70	UL FM
65x20 76.1x3/4	76.1x26.9 3.000x1.050	300 2.07	38 1.50	137 5.39	71 2.80	68 2.67	49.5 1.95	1/2x70 M12X70	UL FM
65x25 76.1x1	76.1x33.7 3.000x1.315	300 2.07	38 1.50	137 5.39	71 2.80	75 3.05	49.5 1.95	1/2x70 M12X70	UL FM
65x32 76.1x1 1/4	76.1x42.4 3.000x1.660	300 2.07	51 2.00	137 5.39	84.5 3.33	75 3.05	49.5 1.95	1/2x70 M12X70	UL FM
65x40 76.1x1 1/2	76.1x48.3 3.000x1.900	300 2.07	51 2.00	137 5.39	84.5 3.33	75 3.05	49.5 1.95	1/2x70 M12X70	UL FM
80x15 3x1/2	88.9x21.3 3.500x0.825	400 2.76	38 1.50	152 5.98	72.5 2.85	71.5 2.81	56.5 2.22	1/2x75 M12X76	UL FM
80x20 3x3/4	88.9x26.9 3.500x1.050	400 2.76	38 1.50	152 5.98	72.5 2.85	71.5 2.81	56.5 2.22	1/2x75 M12X76	UL FM
80x25 3x1	88.9x33.7 3.500x1.315	400 2.76	38 1.50	152 5.98	72.5 2.85	80 3.15	56.5 2.22	1/2x75 M12X76	UL FM
80x32 3x1 1/4	88.9x42.4 3.500x1.660	400 2.76	51 2.00	152 5.98	85.5 3.37	80 3.15	56.5 2.22	1/2x75 M12X76	UL FM
80x40 3x1 1/2	88.9x48.3 3.500x1.900	400 2.76	51 2.00	152 5.98	85.5 3.37	80 3.15	56.5 2.22	1/2x75 M12X76	UL FM
80x50 3x2	88.9x60.3 3.500x2.375	300 2.07	64 2.50	152 5.98	98 3.86	80 3.15	56.5 2.22	1/2x75 M12X76	UL FM

Dişli Mekanik Te Mechanical Tee Threaded Outlet



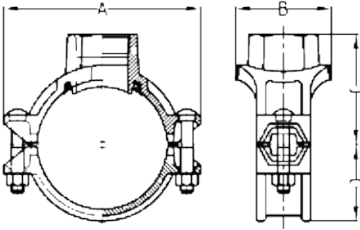
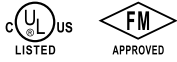
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Delik Çapı Hole Dia mm/in +1.6/0/+0.063,0	Ölçüler/Dimensions				Civata Ölçüsü Bolt Size mm/in	Sertifika Certificate
				A mm/in	B mm/in	C mm/in	D mm/in		
100×15 108.0×1/2	108.1×21.3 4.250×0.825	300 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	1/2×75 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	-	-
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

Dişli Mekanik Te Mechanical Tee Threaded Outlet



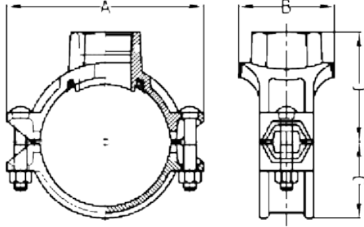
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Delik Çapı Hole Dia mm/in +1.6,0/+0.063,0	Ölçüler/Dimensions				Civata Ölçüsü Bolt Size mm/in	Sertifika Certificate
				A mm/in	B mm/in	C mm/in	D mm/in		
150×50 159.0×2	159.0×60.3 6.250×2.375	300 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
150×65 165.1×2½	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

Dişli Mekanik Tee Mechanical Tee Threaded Outlet



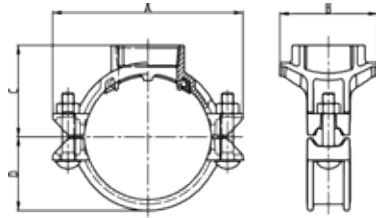
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D. mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Delik Çapı Hole Dia mm/in +1.6.0/+0.063.0	Ölçüler/Dimensions				Civata Ölçüsü Bolt Size mm/in	Sertifika Certificate
				A mm/in	B mm/in	C mm/in	D mm/in		
80×15 3×½	88.9×21.3 3.500×0.825	300 2.07	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
100×65 108.0×2½	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 4×2¾	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
125×65 133.0×2½	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
125×65 139.7×2½	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

Dişli Mekanik Te Mechanical Tee Threaded Outlet

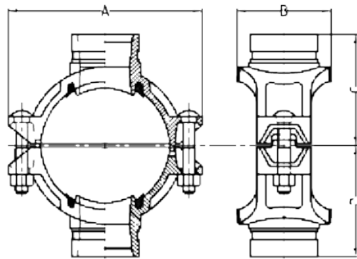
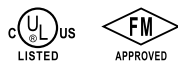


Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D. mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Delik Çapı Hole Dia mm/in +1.6,0/+0.063,0	Ölçüler/Dimensions				Civata Ölçüsü Bolt Size mm/in	Sertifika Certificate
				A mm/in	B mm/in	C mm/in	D mm/in		
150×25 159.0×1	159.0×33.7 6.250×1.315	300 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

Dişli Mekanik Te Mechanical Tee 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	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 6×1¼	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 6×1½	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 6×2½	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	-

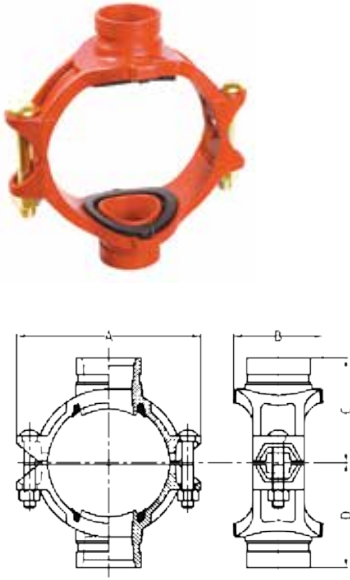


Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Delik Çapı Hole Dia mm/in +1.6,0/+0.063,0	Ölçüler/Dimensions				Civata Ölçüsü Bolt Size mm/in	Sertifika Certificate
				A mm/in	B mm/in	C mm/in	D mm/in		
50X32 2X11/4	60.3X42.4 2.375X1.660	300 2.07	45 1.75	116 4.57	76 2.99	69.5 2.74	69.5 2.74	3/8x55 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	3/8x55 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	1/2x70 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	1/2x70 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	1/2x70 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	1/2x75 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	1/2x75 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	1/2x75 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	1/2x75 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	1/2x75 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	1/2x75 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	1/2x75 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	1/2x75 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	5/8x85 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	5/8x85 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	5/8x85 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	5/8x85 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	5/8x105 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	5/8x105 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	5/8x105 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	5/8x105 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	5/8x105 M16X108	UL FM
150X80 6X3	168.3x88.9 6.625x3.500	300 2.07	89 3.5	247 9.72	132 5.2	141 5.55	141 5.55	5/8x105 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	5/8x105 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	5/8x105 M16X108	-
150X40 61/20DX11/2	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	5/8x105 M16X108	-
150X100 61/20D 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	5/8x105 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	5/8x105 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	5/8x105 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	3/4x115 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	3/4x115 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	3/4x115 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	3/4x115 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	3/4x115 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	3/4x120 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	3/4x120 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	3/4x115 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	3/4x120 M20X115	UL FM

Yivli Kruva Mekanik Te

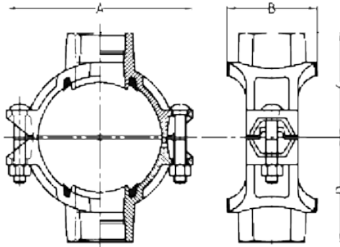
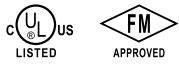
Mechanical Cross

Grooved Outlet



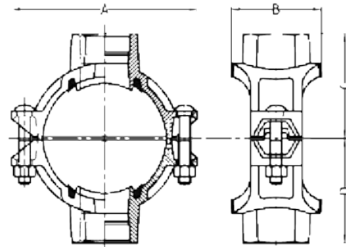
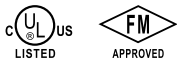
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Delik Çapı Hole Dia mm/in +1.6,0/+0.063,0	Ölçüler/Dimensions				Cıvata Ölçüsü Bolt Size mm/in
				A mm/in	B mm/in	C mm/in	D mm/in	
80×25 3×1	88.9×33.7 3.500×1.315	300 2.07	38 1.50	150 5.91	71.0 2.80	84 3.31	84 3.31	1/2×70 M12X76
80×32 3×1½	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 4×2½	114.3×73.0 4.500×2.875	300 2.07	70 2.75	178 7.01	103.5 4.07	98 3.86	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 6×1½	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	159.1×76.1 6.250×3.000	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

Dişli Kruva Mekanik Te Mechanical Cross Threaded Outlet



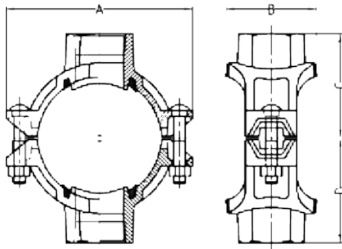
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Delik Çapı Hole Dia mm/in +1.6.0/+0.063.0	Ölçüler/Dimensions				Civata Ölçüsü Bolt Size mm/in	Sertifika Certificate
				A mm/in	B mm/in	C mm/in	D mm/in		
50×25 2×1	60.3×33.7 2.375×1.315	300 2.07	38 1.50	116 4.57	68 2.68	60 2.36	60 2.36	3/8×55 M10X57	UL FM
50×32 2×1 1/4	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 2×1 1/2	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 2 1/2×3/4	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 2 1/2×1	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 2 1/2×1 1/4	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 2 1/2×1/2	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 2 1/2×3/4	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 2 1/2×1	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 2 1/2×1 1/4	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 2 1/2×1 1/2	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 2 1/2×1 1/2	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 3×1/2	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
80×20 3×3/4	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 3×1 1/4	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 3×1 1/2	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	-
100×32 108.0×1 1/4	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
100×40 108.0×1 1/2	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 4×1/2	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 4×3/4	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 4×1 1/4	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 4×1 1/2	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
100×65 108.0×2 1/2	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 4×2 1/2	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
125×32 133.0×1 1/4	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	-
125×40 133.0×1 1/2	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

Dişli Kruva Mekanik Te Mechanical Cross Threaded Outlet



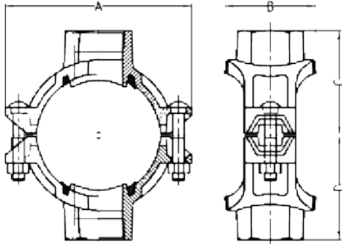
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Delik Çapı Hole Dia mm/in +1.6,0/+0.063,0	Ölçüler/Dimensions				Civata Ölçüsü Bolt Size mm/in	Sertifika Certificate
				A mm/in	B mm/in	C mm/in	D mm/in		
125×32 5×1¼	139.7×42.4 5.500×1.669	300 2.07	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	-
150×65 159.0×2½	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	-

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 4×2½	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 4×1¼	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
100×65 4×2½	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

Dişli Kruva Mekanik Te Mechanical Cross Threaded Outlet



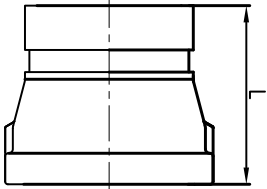
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Delik Çapı Hole Dia mm/in +1.6,0/+0.063,0	Ölçüler/Dimensions				Cıvata Ölçüsü Bolt Size mm/in
				A mm/in	B mm/in	C mm/in	D mm/in	
150×25 159.0×1	159.0×33.7 6.250×1.315	300 2.07	38 1.50	227 8.94	77 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

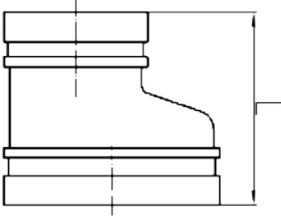
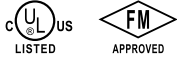
Grooved Concentric with Female Thread



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

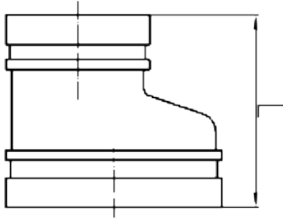


Yivli Eksantrik Redüksiyon Grooved Eccentric Reducer



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
40X32 1 1/2 X 1 1/4	48.3X42.4 1.900X1.660	500 3.45	89 3.50	-
50X40 2 X 1 1/2	60.3X48.3 2.375X1.900	500 3.45	89 3.50	-
80X50 3 X 2	88.9X60.3 3.500X2.375	500 3.45	89 3.50	UL FM
100X65 4 X 2 1/2	108.0X76.1 4.250X3.000	500 3.45	102 4.00	UL FM
100X80 4 X 3	108.0X88.9 4.250X3.500	500 3.45	102 4.00	UL FM
100X50 4 X 2	114.3X60.3 4.500X2.000	500 3.45	102 4.00	UL FM
100X65 4 X 2 1/2	114.3X76.1 4.500X3.000	300 2.07	102 4.00	UL FM
100X80 4 X 3	114.3X88.9 4.500X3.500	500 3.45	102 4.00	UL FM
125X100 5 X 4	139.7X114.3 5.500X4.500	300 2.07	127 5.00	UL FM
150X100 6 X 4	159.0X108.0 6.250X4.250	300 2.07	140 5.50	UL FM
150X100 6 X 4	159.0X114.3 6.250X4.500	300 2.07	140 5.50	UL FM
150X80 6 X 3	165.1X88.9 6.500X3.500	300 2.07	140 5.50	UL FM
150X100 6 X 4	165.1X114.3 6.500X4.500	300 2.07	140 5.50	UL FM
150X125 6 X 5	165.1X139.7 6.500X5.500	300 2.07	140 5.50	UL FM
150X80 6 X 3	168.3X88.9 6.625X3.500	300 2.07	140 5.50	UL FM
150X100 6 X 4	168.3X114.3 6.625X4.500	300 2.07	140 5.50	UL FM
150X125 6 X 5	168.3X139.7 6.625X5.500	300 2.07	140 5.50	UL FM
200X100 8 X 4	219.1X114.3 8.625X4.500	300 2.07	215 8.50	UL FM
200X150 8 X 6	219.1X159.0 8.625X6.250	300 2.07	215 8.50	UL FM
200X150 8 X 6	219.1X165.1 8.625X6.500	300 2.07	215 8.50	UL FM
200X150 8 X 6	219.1X168.3 8.625X6.625	300 2.07	215 8.50	UL FM
250X200 10 X 8	273.0X219.1 10.750X8.625	300 2.07	215 8.50	UL FM
350X150 14 X 6	355.6X168.3 14.000X6.625	300 2.07	330 12.99	-
350X200 14 X 8	355.6X219.1 14.000X8.625	300 2.07	330 12.99	-
350X250 14 X 10	355.6X273.0 14.000X10.750	300 2.07	330 12.99	-
350X300 14 X 12	355.6X323.9 14.000X12.750	300 2.07	330 12.99	-
400X200 16 X 8	406.4X219.1 16.000X8.625	300 2.07	356 14.02	-
400X250 16 X 10	406.4X273.0 16.000X10.750	300 2.07	356 14.02	-
400X300 16 X 12	406.4X323.9 16.000X12.750	300 2.07	356 14.02	-
400X350 16 X 14	406.4X355.6 16.000X14.000	300 2.07	356 14.02	-
450X150 18 X 6	457.2X168.3 18.000X6.625	300 2.07	381 15.00	-
450X250 18 X 10	457.2X273.0 18.000X10.750	300 2.07	381 15.00	-
450X300 18 X 12	457.2X323.9 18.000X12.750	300 2.07	381 15.00	-
450X350 18 X 14	457.2X355.6 18.000X14.000	300 2.07	381 15.00	-
450X400 18 X 16	457.2X406.4 18.000X16.000	300 2.07	381 15.00	-

Yivli Eksantrik Redüksiyon
Grooved Eccentric Reducer



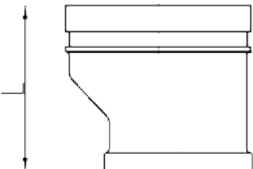
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions L mm/in	Sertifika Certificate
500X300 20X12	508.0X323.9 20.000X12.750	300 2.07	508 20.00	-
500X350 20X14	508.0X355.6 20.000X14.000	300 2.07	508 20.00	-
500X400 20X16	508.0X406.4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

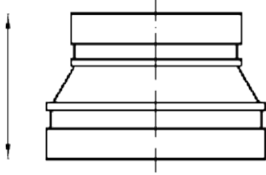
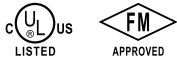
Yivli X Dişli Eksantrik Redüksiyon
Grooved Eccentric Reducer with Female Thread



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
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

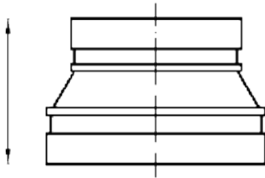


Yivli Konsanrik Redüksiyon Grooved Concentric Reducer



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
32X25 1 1/4X1	42.4X33.7 1.660X1.315	500 3.45	64 2.50	UL FM
40X25 1 1/2X1	48.3X33.7 1.900X1.315	500 3.45	64 2.50	UL FM
40X32 1 1/2X1 1/4	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 2X1 1/4	60.3X42.4 2.375X1.660	500 3.45	64 2.50	UL FM
50X40 2X1 1/2	60.3X48.3 2.375X1.900	500 3.45	64 2.50	UL FM
65X25 2 1/2X1	73.0X33.7 2.875X1.315	500 3.45	64 2.50	UL FM
65X32 2 1/2X1 1/4	73.0X42.4 2.875X1.660	500 3.45	64 2.50	UL FM
65X40 2 1/2X1 1/2	73.0X48.3 2.875X1.900	500 3.45	64 2.50	UL FM
65X50 2 1/2X2	73.0X60.3 2.875X2.375	500 3.45	64 2.50	UL FM
65X25 2 1/2X1	76.1X33.7 3.000X1.315	500 3.45	64 2.50	UL FM
65X32 2 1/2X1 1/4	76.1X42.4 3.000X1.660	500 3.45	64 2.50	UL FM
65X40 2 1/2X1 1/2	76.1X48.3 3.000X1.900	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
80X32 3X1 1/4	88.9X42.4 3.500X1.660	500 3.45	64 2.50	UL FM
80X40 3X1 1/2	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 3X2 1/2	88.9X73.0 3.500X2.875	500 3.45	64 2.50	UL FM
80X65 3X2 1/2	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 4X2 1/2	108.0X73.0 4.250X2.875	500 3.45	76 3.00	UL FM
100X65 4X2 1/2	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 4X1 1/4	114.3X42.4 4.500X1.660	500 3.45	76 3.00	UL FM
100X40 4X1 1/2	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 4X2 1/2	114.3X73.0 4.500X2.875	500 3.45	76 3.00	UL FM
100X65 4X2 1/2	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 5X2 1/2	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

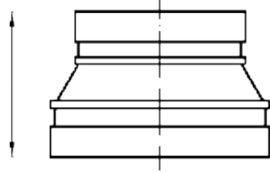
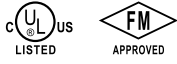
**Yivli Konsantrik
Redüksiyon**
Grooved Concentric
Reducer



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
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 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	159.0X108 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

Yivli Konsantrik Redüksiyon

Grooved Concentric Reducer



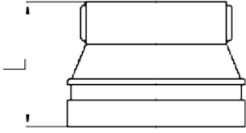
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions L mm/in	Sertifika Certificate
250X150 10X6	273.0X159.0 10.750X6.250	500 3.45	152 6.00	FM
250X150 10X6	273.0X165.1 10.750X6.500	500 3.45	152 6.00	FM
250X150 10X6	273.0X168.3 10.750X6.625	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	-

**Yivli Konsantrik
Redüksiyon**
Grooved Concentric
Reducer



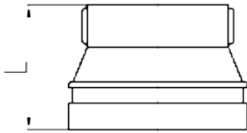
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions L mm/in	Sertifika Certificate
100X65 4X2½	114.3X76.1 4.500X3.000	300 2.07	57 2.25	UL FM
100X80 4X3	114.3X88.9 4.500X3.500	300 2.07	57 2.25	UL FM
125X100 5X4	139.7X114.3 5.500X4.500	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

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
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 2X1 1/4	60.3X42.4 2.375X1.660	500 3.45	64 2.50	UL FM
50X40 2X1 1/2	60.3X48.3 2.375X1.900	500 3.45	64 2.50	UL FM
65X25 2 1/2X1	73.0X33.7 2.875X1.315	500 3.45	64 2.50	UL FM
65X25 2 1/2X1 1/4	73.0X42.4 2.875X1.660	500 3.45	64 2.50	UL FM
65X40 2 1/2X1 1/2	73.0X48.3 2.875X1.900	500 3.45	64 2.50	UL FM
65X50 2 1/2X2	73.0X60.3 2.875X2.375	500 3.45	64 2.50	UL FM
65X15 2 1/2X1/2	76.1X21.3 3.000X0.825	500 3.45	64 2.50	UL FM
65X20 2 1/2X3/4	76.1X26.9 3.000X1.05	500 3.45	64 2.50	UL FM
65X25 2 1/2X1	76.1X33.7 3.000X1.315	500 3.45	64 2.50	UL FM
65X32 2 1/2X1 1/4	76.1X42.4 3.000X1.660	500 3.45	64 2.50	UL FM
65X40 2 1/2X1 1/2	76.1X48.3 3.000X1.900	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
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 3X1 1/4	88.9X42.4 3.500X1.660	500 3.45	64 2.50	UL FM
80X40 3X1 1/2	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 3X2 1/2	88.9X73.0 3.500X2.875	500 3.45	64 2.50	UL FM
80X65 3X2 1/2	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 4X1 1/4	108.0X42.4 4.250X1.660	500 3.45	76 3.00	UL FM
100X40 4X1 1/2	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 4X2 1/2	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 4X1 1/4	114.3X42.4 4.500X1.660	500 3.45	76 3.00	UL FM
100X40 4X1 1/2	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 4X2 1/2	114.3X73.0 4.500X2.875	500 3.45	76 3.00	UL FM
100X65 4X2 1/2	114.3X76.1 4.500X3.000	500 3.45	76 3.00	UL FM

**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
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

Yivli x Dişli Konsantrik Redüksiyon

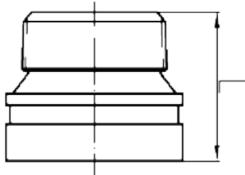
Grooved Concentric Reducer with Female Thread



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

Yivli X (Diş) 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 2½X2	73.0X60.3 2.875X2.375	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
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	114.3X33.7 4.500X1.315	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

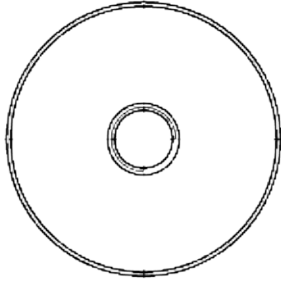
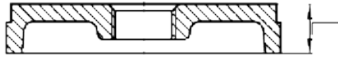
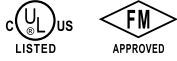
Kap Cap



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	-

Konsantrik Delikli Kap

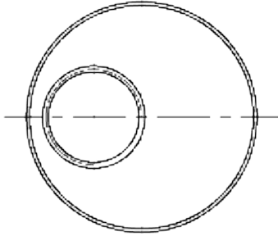
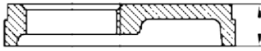
Cap with Concentric Hole



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
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 6X1½	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

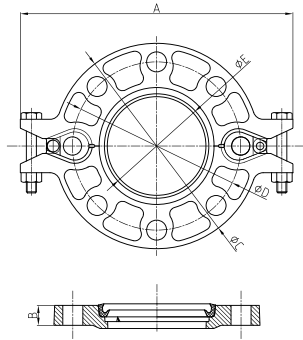
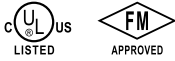


Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions L mm/in	Sertifika Certificate
65X25 21/2X1	76.1X33.7 3000X1.315	500 3.45	23.5 0.925	UL FM
65X40 21/2X1 1/2	76.1X48.3 3.000X1.900	500 3.45	23.5 0.925	-
80X25 3X1	88.9X33.7 3.500X1.315	500 3.45	23.5 0.925	-
80X40 3X1 1/2	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 4X1 1/2	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 5X1 1/2	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 6X1 1/2	165.1X48.3 6.500X1.900	500 3.45	25.4 1.00	UL FM
150X40 6X1 1/2	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 8X1 1/2	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 10X1 1/2	273.0X48.3 10.750X1.900	500 3.45	33.1	-
300X40 12X1 1/2	323.9X48.3 12.750X1.900	500 3.45	31.2	-

PN16

Yivli Flanş Adaptörü

Grooved Flange

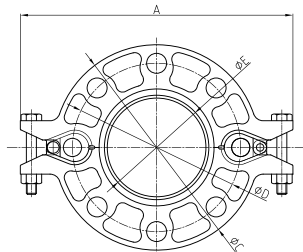
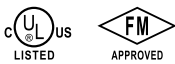


Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions					Civata Somunu Bolt/Nut		Sertifika Certificate
			A mm/in	B mm/in	C mm/in	D mm/in	E mm/in	Ölçü No.-SIZE mm/in		
40 1½	48.3 1.900	300 2.07	195 7.68	18.5 0.73	150 5.90	110 4.33	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 2½	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 4	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	-

PN25

Yivli Flanş Adaptörü

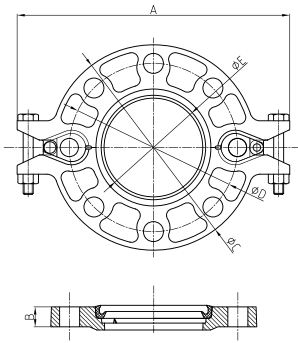
Grooved Flange



Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions					Civata Somunu Bolt/Nut		Sertifika Certificate
			A mm/in	B mm/in	C mm/in	D mm/in	E mm/in	Ölçü No.-SIZE mm/in		
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

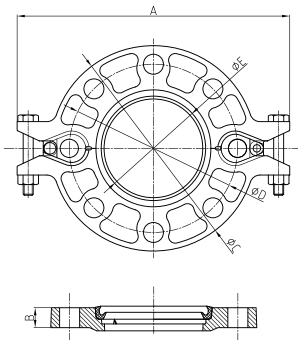
Yivli Flanş Adaptörü Grooved Flange



Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions					Civata Somunu Bolt/Nut		Sertifika Certificate
			A mm/in	B mm/in	C mm/in	D mm/in	E mm/in	Ölçü No.-SIZE mm/in		
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	-

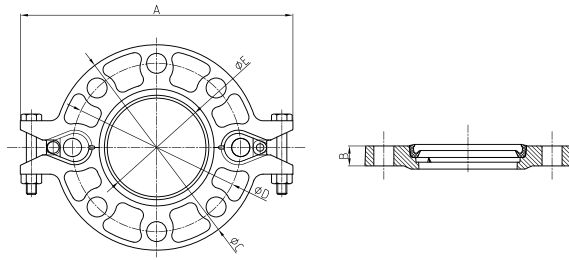
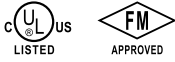
UV91

ANSI 125/150 Yivli Flanş Adaptörü Grooved Flange



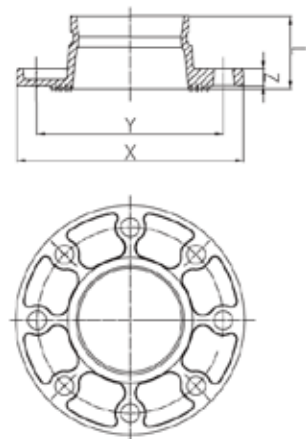
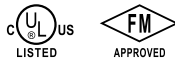
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions					Civata Somunu Bolt/Nut		Sertifika Certificate
			A mm/in	B mm/in	C mm/in	D mm/in	E mm/ in	Ölçü No.-SIZE mm/in		
50 2	60.3 2.375	300 2.07	206 8.11	19 0.75	152 5.98	121 4.76	57.5 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	—

ANSI 300 Yivli Flanş Adaptörü Grooved Flange



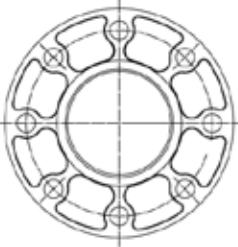
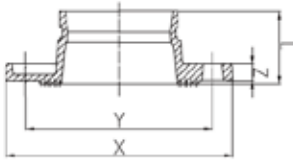
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions					Civata Somunu Bolt/Nut		Sertifika Certificate
			A mm/in	B mm/in	C mm/in	D mm/in	E mm/in	Ölçü No.-SİZE mm/in		
65 2½	73.0 2.875	500 3.45	244 9.61	24.6 0.97	190 7.48	149.2 5.87	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

PN16 Flanş Adaptörü Adaptor Flange



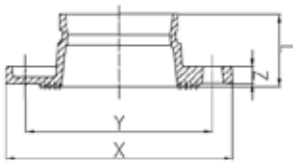
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions				Civata Somunu Bolt/Nut	Sertifika Certificate
			L mm/in	X mm/in	Y mm/in	Z mm/in		
25 1	33.7 1.327	300 2.0	60.5 2.382	115 4.53	85 3.35	16 0.63	4-M12	UL FM
32 1¼	42.4 1.669	300 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 2½	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 4	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 5	133 5.250	300 2.0	70 2.756	250 9.84	210 8.27	18 0.71	8-M16	UL FM
125 5	139.7 5.500	300 2.0	70 2.756	250 9.84	210 8.27	18 0.71	8-M16	UL FM
150 6	159.0 6.250	500 3.45	70 2.756	285 11.22	240 9.45	18 0.71	8-M20	UL FM
150 6	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	-

PN25
Flanş Adaptörü
Adaptor Flange



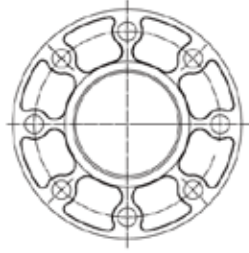
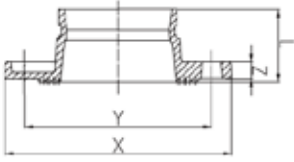
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions				Civata Somunu Bolt/Nut Ölçü No.-SIZE mm/in	Sertifika Certificate
			L mm/in	X mm/in	Y mm/in	Z mm/in		
65 76.1	76.1 3.000	362 2.5	65 2.559	185 7.28	145 5.71	16 0.63	8-M16	---
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	---

ANSI 125/150
Flanş Adaptörü
Adaptor Flange



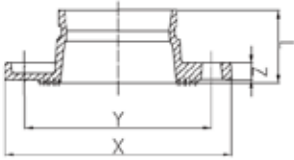
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions				Civata Somunu Bolt/Nut Ölçü No.-SIZE mm/in	Sertifika Certificate
			L mm/in	X mm/in	Y mm/in	Z mm/in		
50 2	60.3 2.375	300 2.07	65 2.559	152 6.0	120.5 4.74	16 0.63	4-5/8	UL FM
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	---

PN10 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 Ölçü No.-SIZE mm/in	Sertifika Certificate
			L mm/in	X mm/in	Y mm/in	Z 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

BS.TABLE "E" Flanş Adaptörü Adaptor Flange

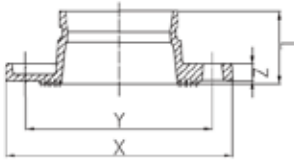


Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions				Civata Somunu Bolt/Nut Ölçü No.-SIZE mm/in	Sertifika Certificate
			L mm/in	X mm/in	Y mm/in	Z mm/in		
50 2	60.3 2.375	225 1.6	65 2.56	152 5.98	114 4.49	16 0.63	4-M16	---
65 2.5	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 6	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	---

JIS 10K Flanş Adaptörü Adaptor Flange



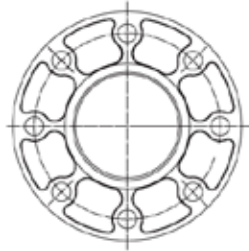
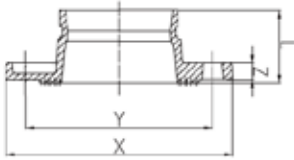
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions				Civata Somunu Bolt/Nut	Sertifika Certificate
			L mm/in	X mm/in	Y mm/in	Z mm/in		
65 2½	76.3 3.00	145 1.0	65 2.559	175 6.89	140 5.51	18 0.71	4-M16	—
80 3	89.1 3.50	145 1.0	65 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	—



JIS 16K Flanş Adaptörü Adaptor Flange



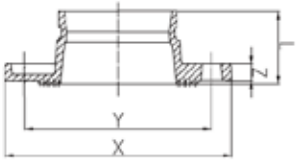
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Ölçüler/Dimensions				Civata Somunu Bolt/Nut	Sertifika Certificate
			L mm/in	X mm/in	Y mm/in	Z mm/in		
80 3	88.9 3.500	225 1.6	65 2.559	200 7.87	160 6.30	17 0.67	8-M20	—
100 4	114.3 4.500	225 1.6	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	—



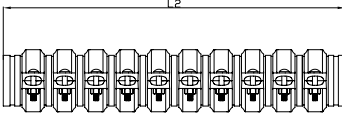
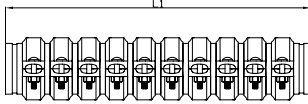
JIS 20K
Flanş Adaptörü
 Adaptor Flange



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	---

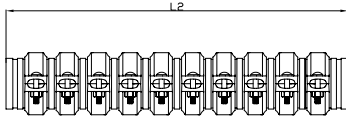
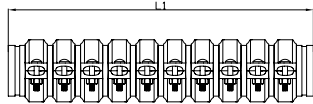


Kompansatör Expansion Joint



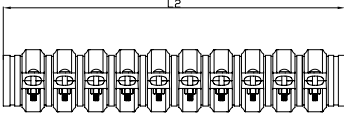
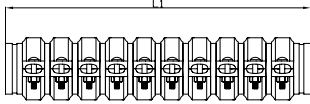
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Hareket Movement mm/in	L1 mm/in	L2 mm/in
25	33.4	300	2.6	170	172.6
1	1.315	2.07	0.1	6.69	6.79
25	33.4	300	5.2	226.50	231.7
1	1.315	2.07	0.2	8.92	9.12
25	33.4	300	7.8	284	291.8
1	1.315	2.07	0.31	11.18	11.49
25	33.4	300	10.4	340.5	350.9
1	1.315	2.07	0.41	13.41	13.82
25	33.4	300	13	397	410
1	1.315	2.07	0.51	15.63	16.14
25	33.4	300	15.6	453.5	469.1
1	1.315	2.07	0.61	17.85	18.46
25	33.4	300	18.2	510	528.2
1	1.315	2.07	0.72	20.08	20.8
25	33.4	300	20.8	567.5	588.3
1	1.315	2.07	0.82	22.34	23.16
25	33.4	300	23.4	624	647.4
1	1.315	2.07	0.92	24.57	25.49
25	33.4	300	26	680.5	706.5
1	1.315	2.07	1.02	26.79	27.81
25	33.4	300	28.6	737	765.6
1	1.315	2.07	1.13	29.01	30.14
25	33.4	300	31.2	793.5	824.7
1	1.315	2.07	1.23	31.24	32.47
32	42.4	300	3.5	170.75	174.25
1 1/4	1.669	2.07	0.14	6.72	6.86
32	42.4	300	7	227.5	234.5
1 1/4	1.669	2.07	0.28	8.96	9.24
32	42.4	300	10.5	285.25	295.75
1 1/4	1.669	2.07	0.41	11.2	11.61
32	42.4	300	14	342	356
1 1/4	1.669	2.07	0.55	13.47	14.02
32	42.4	300	17.5	398.75	416.25
1 1/4	1.669	2.07	0.69	15.7	16.39
32	42.4	300	21	455.5	476.5
1 1/4	1.669	2.07	0.83	17.93	18.76
32	42.4	300	24.5	512.25	536.75
1 1/4	1.669	2.07	0.96	20.17	21.13
32	42.4	300	28	570	598
1 1/4	1.669	2.07	1.1	22.44	23.54
32	42.4	300	31.5	625.75	657.25
1 1/4	1.669	2.07	1.24	24.64	25.88
32	42.4	300	35	683.5	718.5
1 1/4	1.669	2.07	1.38	26.91	28.29
32	42.4	300	38.5	740.25	778.75
1 1/4	1.669	2.07	1.52	29.15	30.67
32	42.4	300	42	797	839
1 1/4	1.669	2.07	1.65	31.38	33.03
40	48.3	300	3.8	170.5	174.3
1 1/2	1.902	2.07	0.15	6.71	6.86
40	48.3	300	7.6	227.00	234.6
1 1/2	1.902	2.07	0.3	8.94	9.24
40	48.3	300	11.4	283.5	294.9
1 1/2	1.902	2.07	0.45	11.16	11.61
40	48.3	300	15.2	340.00	355.2
1 1/2	1.902	2.07	0.6	13.39	13.99
40	48.3	300	19	396.50	415.5
1 1/2	1.902	2.07	0.75	15.61	16.36
40	48.3	300	22.8	453.00	475.8
1 1/2	1.902	2.07	0.9	17.84	18.74
40	48.3	300	26.6	509.50	536.1
1 1/2	1.902	2.07	1.05	20.06	21.11
40	48.3	300	30.4	566.00	596.4
1 1/2	1.902	2.07	1.2	22.28	23.48
40	48.3	300	34.2	623.50	657.7
1 1/2	1.902	2.07	1.35	24.55	25.9
40	48.3	300	38	679.00	717
1 1/2	1.902	2.07	1.5	26.73	28.23
40	48.3	300	41.8	735.50	777.3
1 1/2	1.902	2.07	1.65	28.96	30.61
40	48.3	300	45.6	792.00	837.6
1 1/2	1.902	2.07	1.8	31.18	32.98
50	60.3	300	3.5	170.5	174
2	2.374	2.07	0.14	6.71	6.85
50	60.3	300	7	227.00	234
2	2.374	2.07	0.28	8.94	9.22
50	60.3	300	10.5	283.5	294
2	2.374	2.07	0.41	11.16	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	60.3	300	14	340.00	354
2	2.374	2.07	0.55	13.39	13.94
50	60.3	300	17.5	396.50	414
2	2.374	2.07	0.69	15.61	16.3
50	60.3	300	21	453.00	474
2	2.374	2.07	0.83	17.84	18.67
50	60.3	300	24.5	509.50	534
2	2.374	2.07	0.96	20.06	21.02
50	60.3	300	28	566.00	594
2	2.374	2.07	1.1	22.28	23.38
50	60.3	300	31.5	623.50	655
2	2.374	2.07	1.24	24.55	25.79
50	60.3	300	35	679.00	714
2	2.374	2.07	1.38	26.73	28.11
50	60.3	300	38.5	735.50	774
2	2.374	2.07	1.52	28.96	30.48
50	60.3	300	42	792.00	834
2	2.374	2.07	1.65	31.18	32.83
65	76.1	300	4	171	175
21/2	2.996	2.07	0.16	6.73	6.89
65	76.1	300	8	227.5	235.5
21/2	2.996	2.07	0.31	8.96	9.27
65	76.1	300	12	284.5	296.5
21/2	2.996	2.07	0.47	11.20	11.67
65	76.1	300	16	341	357
21/2	2.996	2.07	0.63	13.43	14.06
65	76.1	300	20	398	418
21/2	2.996	2.07	0.79	15.67	16.46
65	76.1	300	24	454.5	478.5
21/2	2.996	2.07	0.94	17.89	18.83
65	76.1	300	28	511.5	539.5
21/2	2.996	2.07	1.1	20.14	21.24
65	76.1	300	32	568	600
21/2	2.996	2.07	1.26	22.36	23.62
65	76.1	300	36	626	662
21/2	2.996	2.07	1.42	24.65	26.07
65	76.1	300	40	681.5	721.5
21/2	2.996	2.07	1.57	26.83	28.4
65	76.1	300	44	738.5	782.5
21/2	2.996	2.07	1.73	29.08	30.81
65	76.1	300	48	795	843
21/2	2.996	2.07	1.89	31.3	33.19
80	88.9	300	3.7	170.5	174.2
3	3.5	2.07	0.15	6.71	6.86
80	88.9	300	7.4	227.00	234.4
3	3.5	2.07	0.29	8.94	9.23
80	88.9	300	11.1	283.5	294.6
3	3.5	2.07	0.44	11.16	11.6
80	88.9	300	14.8	340.00	354.8
3	3.5	2.07	0.58	13.39	13.97
80	88.9	300	18.5	396.50	415
3	3.5	2.07	0.73	15.61	16.34
80	88.9	300	22.2	453.00	475.2
3	3.5	2.07	0.87	17.84	18.71
80	88.9	300	25.9	509.50	535.4
3	3.5	2.07	1.02	20.06	21.08
80	88.9	300	29.6	566.00	595.6
3	3.5	2.07	1.17	22.28	23.45
80	88.9	300	33.3	623.50	656.8
3	3.5	2.07	1.31	24.55	25.86
80	88.9	300	37	679.00	716
3	3.5	2.07	1.46	26.73	28.19
80	88.9	300	40.7	735.50	776.2
3	3.5	2.07	1.6	28.96	30.56
80	88.9	300	44.4	792.00	836.4
3	3.5	2.07	1.75	31.18	32.93
100	114.3	300	6.4	193.75	200.15
4	4.5	2.07	0.25	7.63	7.88
100	114.3	300	12.8	258.00	270.8
4	4.5	2.07	0.5	10.16	10.66
100	114.3	300	19.2	322.25	341.45
4	4.5	2.07	0.76	12.69	13.45
100	114.3	300	25.6	386.50	412.1
4	4.5	2.07	1.01	15.22	16.23
100	114.3	300	32	450.75	482.75
4	4.5	2.07	1.26	17.75	19.01
100	114.3	300	38.4	515.00	553.4
4	4.5	2.07	1.51	20.28	21.79

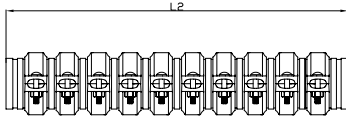
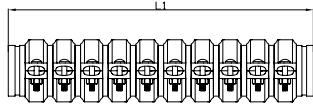
Kompansatör Expansion Joint



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 6.5	300 2.07	6 0.24	193.75 7.63	199.75 7.87
150 6	165.1 6.5	300 2.07	12 0.47	258.00 10.16	270 10.63
150 6	165.1 6.5	300 2.07	18 0.71	322.25 12.69	340.25 13.4
150 6	165.1 6.5	300 2.07	24 0.94	386.50 15.22	410.5 16.16
150 6	165.1 6.5	300 2.07	30 1.18	450.75 17.75	480.75 18.93
150 6	165.1 6.5	300 2.07	36 1.42	514.00 20.24	550 21.66
150 6	165.1 6.5	300 2.07	42 1.65	579.25 22.81	621.25 24.46
150 6	165.1 6.5	300 2.07	48 1.89	643.50 25.34	691.5 27.23
150 6	165.1 6.5	300 2.07	54 2.13	707.75 27.86	761.75 29.99
150 6	165.1 6.5	300 2.07	60 2.36	772.00 30.39	832 32.75
150 6	165.1 6.5	300 2.07	66 2.6	836.25 32.92	902.25 35.52
150 6	165.1 6.5	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

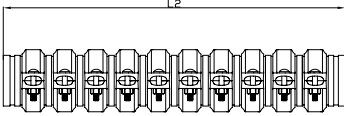
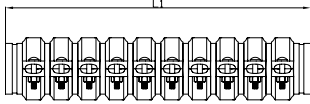
Kompansatör

Expansion Joint



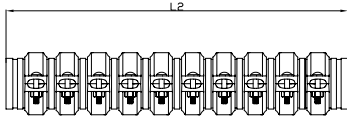
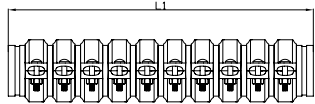
Ölçü Nominal Size mm/in	Boru Dış Çapı Pipe O.D mm/in	Maks. Çalışma Basıncı Max. Working Pressure PSI/MPa	Hareket Movement mm/in	L1 mm/in	L2 mm/in
150 6	168.3 6.626	300 2.07	62 2.44	904 35.59	966 38.03
150 6	168.3 6.626	300 2.07	68.2 2.69	979.25 38.55	1047.45 41.24
150 6	168.3 6.626	300 2.07	74.4 2.93	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 9.22
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

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 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, BUHAR SERVİSLERİ VEYA SÜREKLİ SICAK SU SERVİSLERİ İLE KULLANIM İÇİN UYUMLU DEĞİLDİR. <i>Recommended for cold water service within the specified temperature range plus a variety of dilute acids (base), oil-free air and many chemical services (excluding hydrocarbons).</i> <i>UL classified in accordance with ANSI/NSF 61 or cold+86°F (+30°C) and hot +180°F (+82°C) potable water service.</i> <i>NOT COMPATIBLE FOR USE WITH PETROLEUM SERVICES, STEAM SERVICES OR CONTINUOUS HOT WATER SERVICES.</i>	Yeşil Şeritli Siyah <i>Black with Green Strip</i>
S	Silikon Silicone	-40 ~ +177°C (-40 ~ +350°F)	Yüksek sıcaklıktaki kuru hava ve bazı yüksek sıcaklıktaki kimyasal ürünler, içme suyu vb. için önerilir. <i>Recommended for high temperature dry air and some high temperature chemical products, drinking water etc.</i>	Beyaz <i>White</i>
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. <i>Recommended for petroleum products, vegetable and mineral oils within the specified temperature range.</i> <i>NOT RECOMMENDED FOR HOT WATER SERVICES OR STEAM SERVICES.</i>	Turuncu Şeritli Siyah <i>Black with Orange Strip</i>
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. <i>Recommended for many oxidizing acids, petroleum oils, halogenated hydrocarbons, lubricants, hydraulic fluids, organic liquids and air with hydrocarbons.</i> <i>NOT COMPATIBLE FOR USE WITH HOT WATER SERVICES OR STEAM SERVICES.</i>	Mavi Şeritli Siyah <i>Black with Blue Strip</i>
LD	Neopren Neoprene	-34 ~ +82°C (-30 ~ +180°F)	Sıcak yağlayıcılar, deniz suyu ve bazı kimyasallar için önerilir. İyi ozon direnci. Yanması zordur. <i>Recommended for hot lubricants, sea water and certain chemicals. Good ozone resistance. Hard for combustion.</i>	Sarı Şeritli Siyah <i>Black with Yellow Strip</i>

• 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 Baęlantı Yaęlayıcısı

Pipe Joint Lubricant



- Boru Baęlantı Yaęlayıcısı, 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.
- Yaęlayıcı 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
5000	5000		NBR
15000	15000		Fluorine Rubber / Flor Kauçuk Neoprene / Neopren

Not:

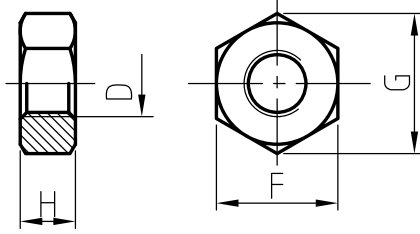
1. Bu ürün silikon kauçuk için uygun değildir, diğer malzemelere uygulanırsa lütfen tedarikçi ile iletişime geçin.
2. Özel geliştirme veya diğer ambalajlama ihtiyaçları için lütfen tedarikçiyle iletişime geçin.
3. Ürünün kimyasal özellikleri, ayrıntılı parametreleri ve güvenlik önlemleri için lütfen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

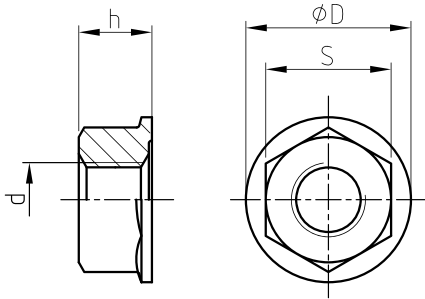
Thread: ISO 261, tolerance 6h for M10& M12, 7h for M16 and above.

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



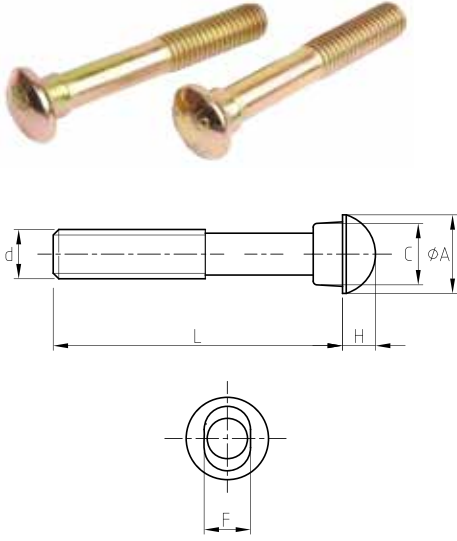
DIN6923'e göre boyut.

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

Civata Torku

Bolt Torque

Aşağıda yaygın civata boyutları için önerilen civata torku verilmiştir. Montaj için lütfen fabrika tarafından sağlanan civata 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.

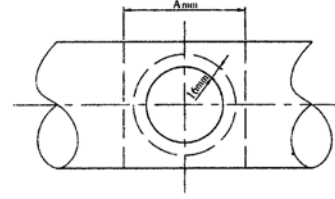
ANSI Nominal Civata Torku / ANSI Rated Bolt Torque		
Civata Boyutu Bolt Size	Nominal Civata Torku* Rated Bolt Torque*	
Inch	Lb-Ft	(N.m)
3/8	30-45	40-60
1/2	80-100	110-135
5/8	100-130	135-175
3/4	130-180	175-245
7/8	180-240	245-325

Metrik Anma Civata Torku / Metric Rated Bolt Torque		
Civata Boyutu Bolt Size	Nominal Civata 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 1 1/4	51 2.00 A102		32 1 1/4	51 2.00 A102		
32 1 1/4"/42.4	10 3/8	30 1.18 A89		40 1 1/2	64 2.50 A114		38 1.50 A89	40 1 1/2	64 2.50 A114	
	15 1/2			50 2	50 2					
	20 3/4		15 1/2	65 2 1/2/76	70 2.75 A120					
	25 1		20 3/4	80 3	89 3.50 A140					
40 1 1/2"/48.3	10 3/8	30 1.18 A89	100 108.0 4"/114.3	25 1	51 2.00 A102	200 8"/219.1 250 10"/273.0	100 108.0/4	114 4.50 A165		
	15 1/2			32 1 1/4			25 1	38 1.50 A89		
	20 3/4			40 1 1/2			32 1 1/4	51 2.00 A102		
	25 1			50 2	64 2.50 A114		40 1 1/2	51 2.00 A102		
50 2"/60.3	15 1/2	38 1.50 A89		125 133.0 139.7 5"/141.3	65 2 1/2/76		70 2.75 A120	80 3	50 2	64 2.50 A114
	20 3/4				80 3		89 3.50 A140		65 2 1/2/76	70 2.75 A120
	25 1		15 1/2		38 1.50 A89	80 3	89 3.50 A140			
	32 1 1/4	20 3/4	100 108.0/4			114 4.50 A165				
	40 1 1/2	25 1								
65 2 1/2"/73.0 76.1	15 1/2	38 1.50 A89	32 1 1/4		51 2.00 A102					
	20 3/4		40 1 1/2	64 2.50 A114						
	25 1		50 2		70 2.75 A120					
	32 1 1/4	65 2 1/2/76	89 3.50 A140							
	40 1 1/2	80 3								

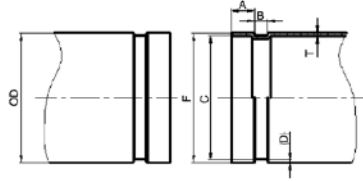
Borunun delikten itibaren 16 mm içindeki dış yüzeyi temiz ve pürüzsüz olmalıdır.
The outside surface of the pipe within 16mm from the hole must be clean and smooth.

Yiv Ölçüleri

Groove Dimensions



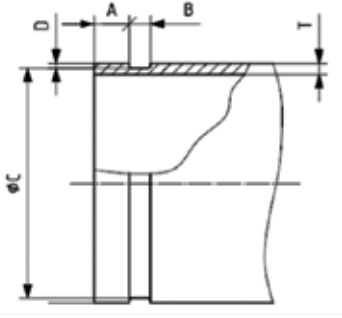
Yiv Açma Makinesi
Grooving Machine



Nominal Boyut Nominal Size mm/in	Boru Dış Çapı / Pipe OD			Conta Yuvası A Gasket Seat A ±0.76/±0.03 mm/in	Yiv Geniştirliği 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 Tolerance mm/in	Temel Basic mm/in			Tolerans Tolerance 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 1 1/4	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 1 1/2	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 Duvak Kalınlığı Min. Allow Wall Thickness T mm/in
	Temel Basic mm/in	Tolerans Tolerance mm/in				Temel Basic mm/in	Tolerans Tolerance 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 1 1/2	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 2 1/2	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 2 1/2	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 Schd	Et Kalınlığı Wall Thick.	UV15		UV16		UV11		UV19	
				Yivli / Grooved		Yivli / Grooved		Yivli / Grooved		Yivli / Grooved	
				Max.Çalışma Basıncı Max. Work Press	Maks. Taşıma Yüğü Max. End Load	Max.Çalışma Basıncı Max. Work Press	Maks. Taşıma Yüğü Max. End Load	Max.Çalışma Basıncı Max. Work Press	Maks. Taşıma Yüğü Max. End Load	Max.Çalışma Basıncı Max. Work Press	Maks. Taşıma Yüğü 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 Yüğü Max. End Load	Max.Çalışma Basıncı Max. Work Press	Maks. Taşıma Yüğü Max. End Load	Max.Çalışma Basıncı Max. Work Press	Maks. Taşıma Yüğü 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 hizalıdıktan sonra, contayı her bir borudaki yivler arasında ortalarak 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.

Remove 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. Cıvatalar 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. Cıvatalar 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. Cıvatalar 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 sızdırmazlığına 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 CİVATALAR / ANSI BOLTS		
Cıvata Boyutu / Bolt Size	Belirtilen Cıvata Torku / Specified Bolt Torque	
	Lbs-Ft.	N.m
Inch		
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 gidirin.

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

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

Align the strap around the pipe, insert 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 arasındaki 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 CİVATALAR / 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 cıvatası 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 CİVATALAR / 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.

Remove 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 anahtarını 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

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 sızdırmazlığına 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.

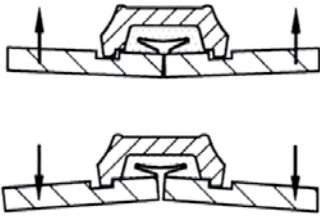
- Over torquing the bolts may result in damage to the bolt and / or casting which could result in pipe joint separation.
- Under torquing the bolts may result in lower pressure retention capabilities, lower bend load capabilities, joint leakage and pipe joint separation. Pipe joint separation may result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

Belirtilen Cıvata Torku / Specified Bolt Torque		
ANSI CİVATALAR / 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 $\geq 1^\circ$ 'dir; Nominal çap $\geq$ DN200 ise, sapma açısı $\geq 0,5^\circ$ ancak $< 1^\circ$ 'dir.

A flexible coupling accommodates pipe deflection and or non-alignment as below: If nominal diameter <DN200, deflection angle is $\geq 1^\circ$; If nominal diameter $\geq$ DN200, deflection angle is $\geq 0.5^\circ$ but $< 1^\circ$.

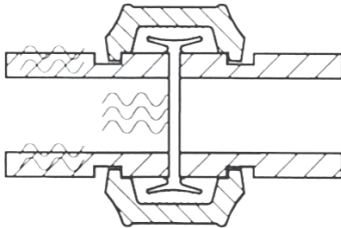


2. C şeklindeki kauçuk conta, hem düşük hem de yüksek basınçlı hizmetlerde ve belirli vakum koşullarında mükemmel kendinden sızdırmazlık özellikleri sağlar.

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.



YIV / GROOVE

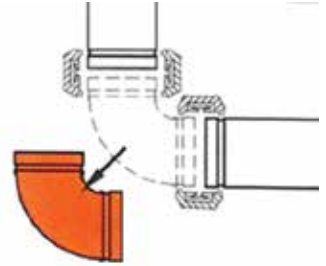
CONTA / GASKET

CİVATA/SOMUN
BOLT/NUT

KAPLIN GÖVDE SEGMENTİ
COUPLING HOUSING SEGMENT

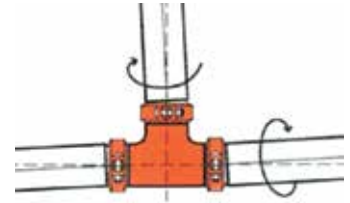
4. Sadece birkaç cıvatanın çıkarılmasıyla temizlik, bakım, değişiklik veya sistem genişletme için sisteme kolayca erişebilirsiniz.

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



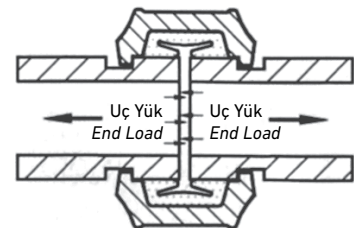
5. Kaplinler yönsüzdür ve boru montaj sırasında 360° döndürülebilir.

Coupling are non-directional 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.



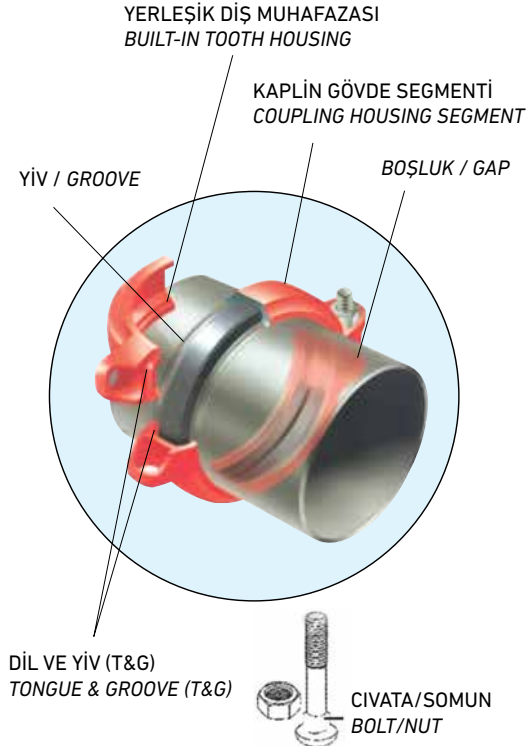
Sabit Kaplin Rigid Coupling

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, contaı 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.

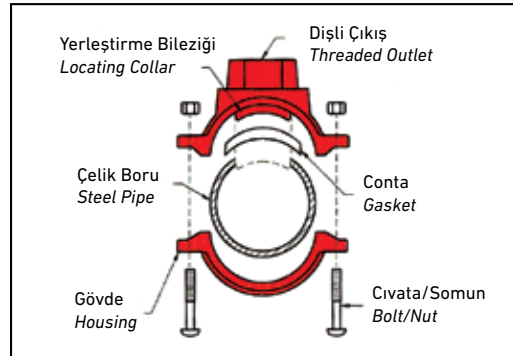
4. T&G tarzı kaplin ile cıvata pedlerinin metaller arasında teması gerekmez. Takıldığında normalde kalın pedler arasında 1/16"- 1/8" (1,6 mm ila 3,2 mm) boşluk göreceksiniz.

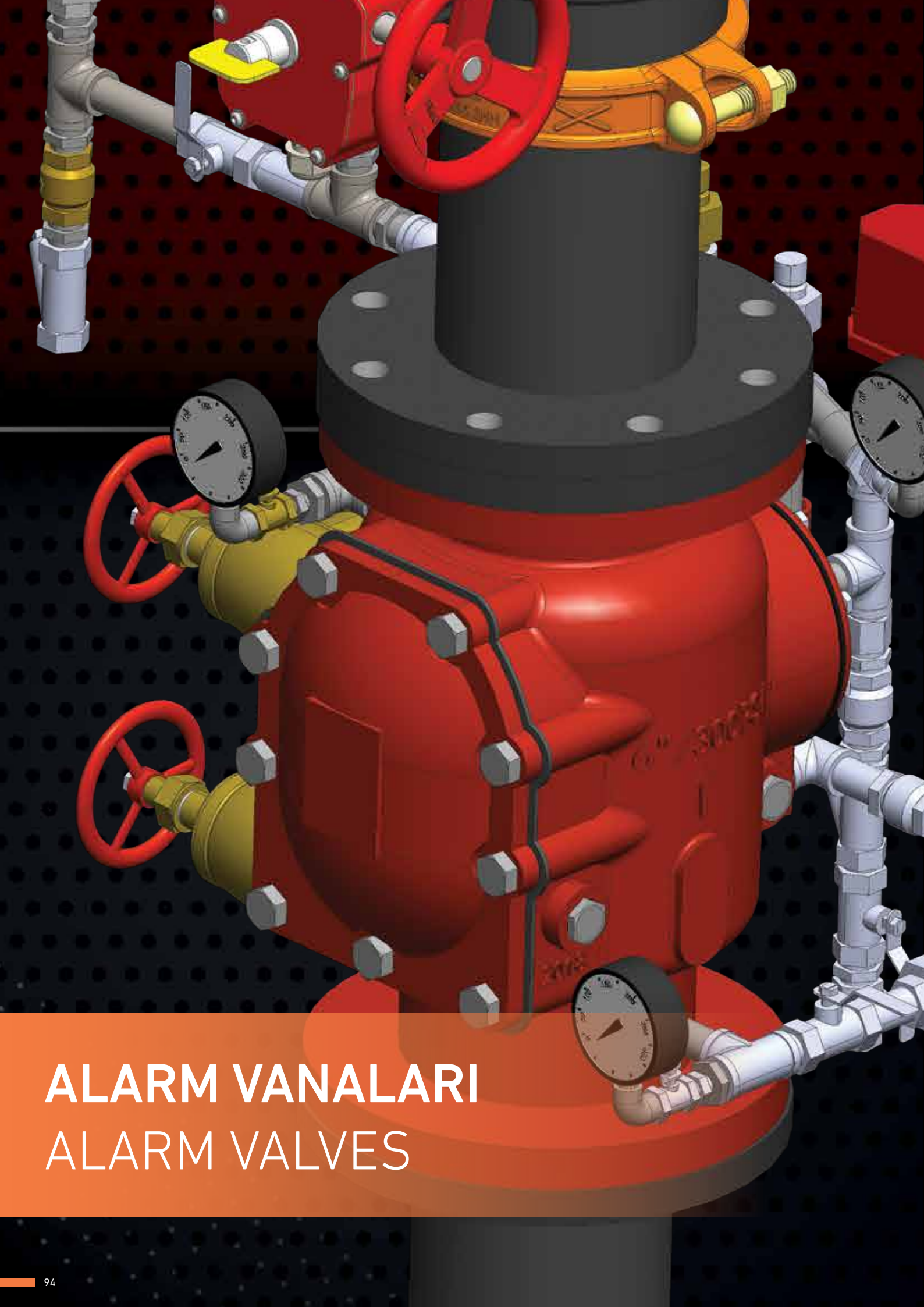
With the T&G style coupling no metal-to-metal contact of the bolt pads is required. You will normally see a 1/16"-1/8" (1.6mm to 3.2mm) gap between the bolt pads when installed.

Mekanik Te Bağlantısı Mechanical Tee Connection

Mekanik Te (UV53, UV51, UV50) hızlı ve kolay bir yivli veya dişli bransman 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.





ALARM VANALARI

ALARM VALVES

Baskın Alarm Vanası / Deluge Alarm Valve



TEKNİK ÖZELLİKLER / TECHNICAL SPECIFICATIONS

Basınç Sınıfı / Pressure Rating: 175 psi
Gövde / Body: Sfero Döküm / Ductile Iron
Diyafram / Disc: Klap / Clapper
Elektrik Aktivasyonlu / Electric Activated / V: 24 Volt
Bağlantı / Connection: Flanşlı / Flange - Yivli / Grooved
Ölçü / Size: DN100 - DN150
Flanş Bağlantısı / Flange Connection: ANSI B16.1 FF Class 150
Fabrika Hidrostatik Test Basıncı / Hydrostatic Test Pressure: 25 bar (350 psi)
Yaklaşık Net Ağırlık / Net Weight: 100A - 59 kg (trim dahil / trim included) 150A - 79 kg (trim dahil / trim included)

GENEL ÖZELLİKLER / GENERAL SPECIFICATIONS

Harici resetleme fonksiyonlu baskın alarm vanası, yangından korunma sistemi için tasarlanmış diferansiyel mandallı tip bir vanadır. UVPPD valfinin harici resetleme özelliği, klap ve mandal mekanizmasının manuel olarak yeniden konumlandırılması için vana ön kapağını açmadan sistemin kolay resetlenmesini sağlar. Elektrik tahliye sisteminin çalıştırılması, suyun sprinkler boru sistemine akmasına ve açık olan sprinklerden boşalmasına izin vererek UVPPD valfini otomatik olarak serbest bırakarak devreye alır.

Deluge alarm valve with external reset function is a differential latch type valve designed for fire protection system. The external reset feature of the UVPPD valve allows easy system reset without opening the valve front cover for manual repositioning of the flap and latch mechanism. Activating the electrical discharge system automatically releases the UVPPD valve, allowing water to flow into the sprinkler piping system and discharge from the open sprinkler, activating it.

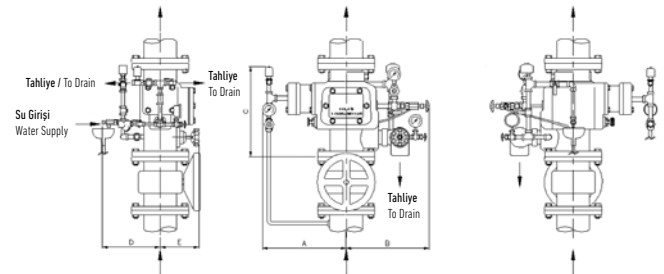
MALZEME LİSTESİ / MATERIAL LIST

Parça Adı / Part Name	Malzeme / Material
Gövde / Body	Sfero Döküm / Ductile Iron
Kapak / Cover	Sfero Döküm / Ductile Iron
Klap / Clapper	Sfero Döküm / Ductile Iron
Sit Ringi / Seat Ring	Bronz / Bronze
Diyafram / Diaphragm	EPDM
Klap Siti / Clapper Seat	VITON
Gövde Siti / Body Seat	Bronz / Bronze

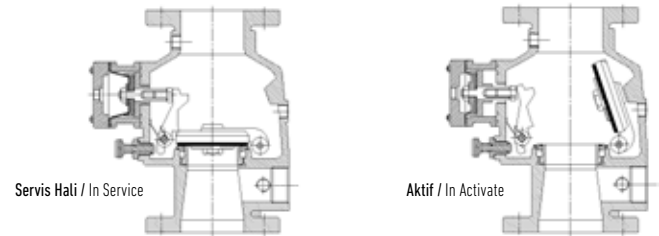
ÖLÇÜ TABLOSU / DIMENSIONS

ÖLÇÜ SIZE	A	B	C	D	E
UVPPD 100	243	260	367	270	150
UVPPD 150	259	285	372	290	150

TEKNİK RESİM / TECHNICAL DRAWING

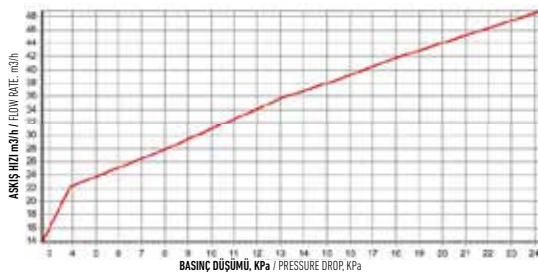


ÇALIŞMA MEKANİZMASI / WORKING MECHANISM

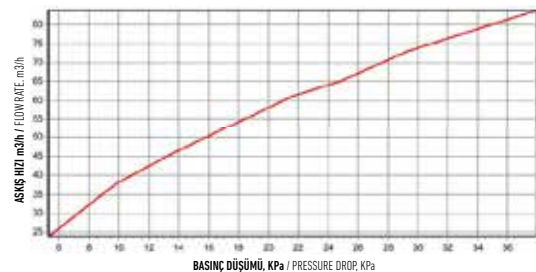


AKIŞ KARAKTERİSTİĞİ / FLOW CHARACTERISTICS

2" PERFORMANS TABLOSU / 2" PERFORMANCE CHART



2 1/2" PERFORMANS TABLOSU / 2 1/2" PERFORMANCE CHART



Islak Alarm Vanası / Wet Alarm Valve



TEKNİK ÖZELLİKLER / TECHNICAL SPECIFICATIONS

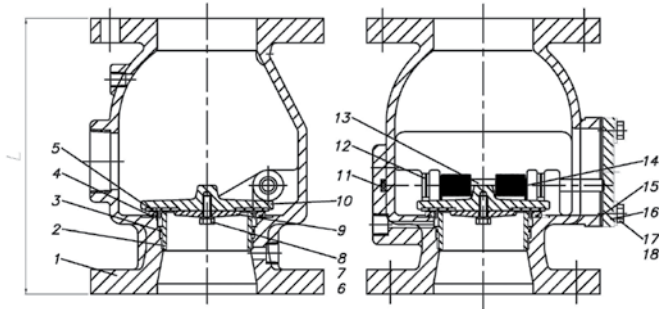
Basınç Sınıfı / Pressure Rating: 300 psi (20 bar)
Gövde / Body: Sfero Döküm / Ductile Iron
Klape / Clapper: Sfero Döküm / Ductile Iron
Diyafram / Diaphragm: Bronz / Bronze
Bağlantı/ Connection: Flanşlı / Flange - Yivli / Grooved
Ölçü / Size: DN100-DN200

GENEL ÖZELLİKLER / GENERAL SPECIFICATIONS

Islak alarm vanası, yangın söndürme sistemine suyun girmesine müsaade eden ve belirlenen basınç ve debi altında alarmı çalıştıran tek yönlü bir vanadır. Kısa bir süre için, maksimum 10 m/sec akış hızına izin verir. Yüksek akışkan hızları kavitasyon ve ses meydana getirebilirler. Alarm çek vanası yüksek mukavemetli, düşük ağırlıklı, sfero döküm gövde ve iç parçalara kolay ulaşım sağlar. Bütün iç parçalar, vanayı tesisattan sökmeden değiştirilebilir. Klape üzerindeki conta, klapeyi vanadan sökmeden kolaylıkla değiştirilebilir.

A one-way valve that allows only water to flow into a wet fire extinguishing system and drives the alarm of supporting parts under specified pressure and flow. WEFLA Alarm Check Valve allow max 10 m/sec Flow Velocity but without long run time. Typically high fluid velocities can create cavitation and noise. The alarm check valve is made from high strength, low weight ductile iron, and offers easy access to all internal parts. All internal parts are replaceable without having to remove the valve from the installed position. The rubber clapper seal is easily replaced without removing the clapper from the valve.

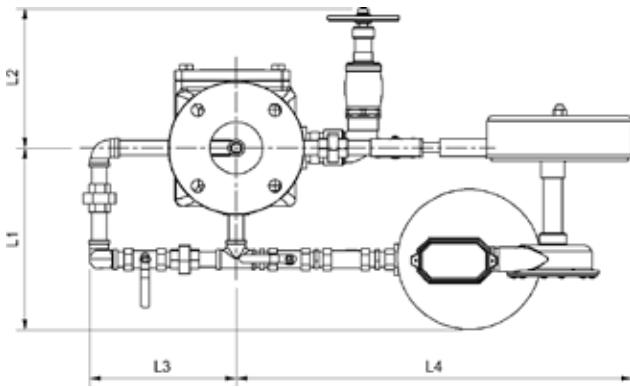
TEKNİK RESİM / TECHNICAL DRAWING



MALZEME LİSTESİ / MATERIAL LIST

No	Parça Adı / Part Name	Malzeme / Material	ASTM Şartname / Specification	EN Şartname / Specification
1	Gövde / Body	Sfero Döküm / Ductile Iron	A536 Seviye / Grade 64-45-12	EN 1563 EN-GJS-450-10
2	Gövde Siti / Body Seat	Bronz / Bronze	B62 C83600	EN 1982 CuSn5Zn5Pb5
3	O-Halka / O-Ring	Kauçuk / Rubber, NBR	D2000	EN 681
4	O-Halka / O-Ring	Kauçuk / Rubber, NBR	D2000	EN 681
5	Klape Siti / Disc Seat	Kauçuk / Rubber, EPDM	D2000	EN 681
6	Civata / Bolt	Paslanmaz Çelik / Stainless Steel	F593 Seviye / Grade 304	A2-70
7	Burç / Washer	Paslanmaz Çelik / Stainless Steel	A276 Tip 304 / Type 304	EN10088 X5CrNi18-10
8	Yay Burcu / Spring Washer	Paslanmaz Çelik / Stainless Steel	A276 Tip 304 / Type 304	EN10088 X5CrNi18-10
9	Sit Tutucu / Seat Retainer	Sfero Döküm / Ductile Iron	A536 Seviye / Grade 64-45-12	EN 1563 EN-GJS-450-10
10	Klape / Disc	Sfero Döküm / Ductile Iron	A536 Seviye / Grade 64-45-12	EN 1563 EN-GJS-450-10
11	Tapa / Plug	Paslanmaz Çelik / Stainless Steel	A276 Tip 304 / Type 304	EN10088 X5CrNi18-10
12	Kol / Sleeve	Pirinç / Brass	B124 C37700	EN 12165 CuZn39Pb3
13	Mil / Stem	Paslanmaz Çelik / Stainless Steel	A276 Tip 304 / Type 304	EN10088 X5CrNi18-10
14	Yay / Spring	Paslanmaz Çelik / Stainless Steel	A276 Tip 304 / Type 304	EN10088 X5CrNi18-10
15	Kapak Contası / Cover Gasget	Kauçuk / Rubber, EPDM	D2000	EN 681
16	Kapak / Cover	Sfero Döküm / Ductile Iron	A536 Seviye / Grade 64-45-12	EN 1563 EN-GJS-450-10
17	Civata / Bolt	Paslanmaz Çelik / Stainless Steel	F593 Seviye / Grade 304	A2-70
18	Burç / Washer	Paslanmaz Çelik / Stainless Steel	A276 Tip 304 / Type 304	EN10088 X5CrNi18-10

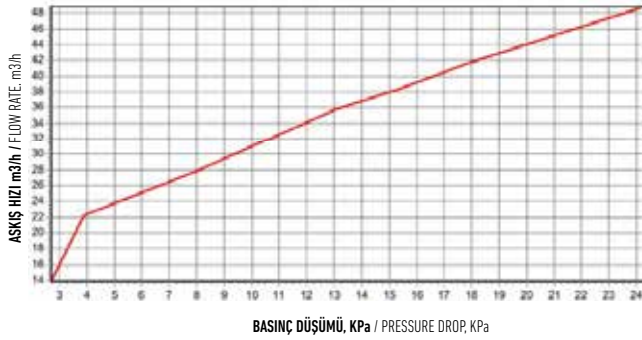
ÖLÇÜ TABLOSU / DIMENSIONS



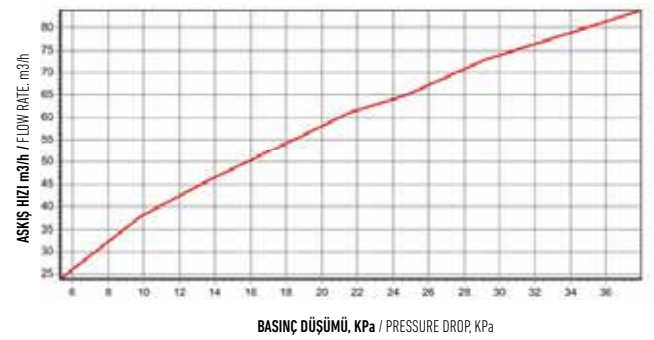
Alarm Çekvalf, Dikey Trim / Alarm Check Valve, Vertical Trim							
Ölçü Size	Çek Valf Ağırlık Check Valve Weight (Kg)	Montaj Ağırlığı Assembly Weight (Kg)	Boyut / Dimension (cm)				
			L1	L2	L3	L4	Yükseklik Height
DN80	18,2	36	30	26	25	60	85
DN100	27,1	45,9	30	26	25	60	85
DN150	49,9	69,1	30	26	25	60	85
DN200	80	99,8	35	26	25	60	85

AKIŞ KARAKTERİSTİĞİ / FLOW CHARACTERISTICS

2" PERFORMANS TABLOSU / 2" PERFORMANCE CHART



2 1/2" PERFORMANS TABLOSU / 2 1/2" PERFORMANCE CHART



Kuru Alarm Vanası / Dry Alarm Valve



TEKNİK ÖZELLİKLER / TECHNICAL SPECIFICATIONS

Basınç Sınıfı / Pressure Rating: 300psi (2067 kPa)

Bağlantı / Connection: Flanşlı / Flange - Yivli / Grooved

Üretici Testi / Manufacturer Test:

Hidrostatik Test / Hydrostatic Test: 600psi (4134 kPa)

Su Sızdırmazlığı / Water Seat: 600psi (4134 kPa)

Hava Sızdırmazlığı / Air Seat: 100psi (690 kPa)

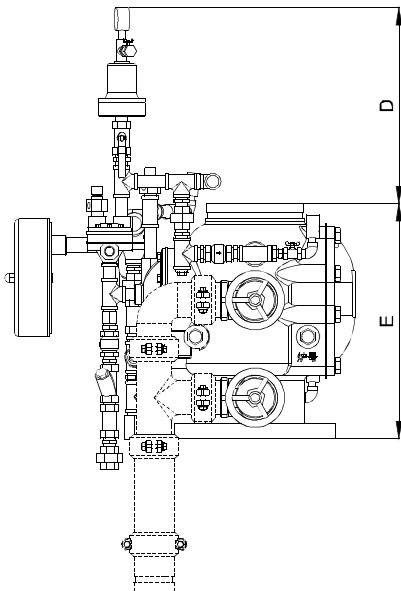
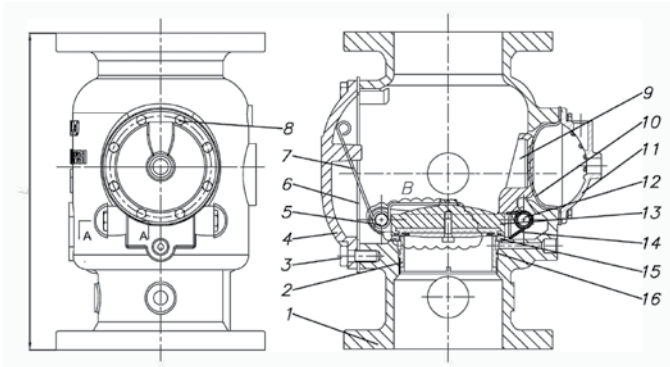
Ölçü / Size: DN80 - DN100 - DN150 - DN200

GENEL ÖZELLİKLER / GENERAL SPECIFICATIONS

Kuru alarm vanası, bir kuru alarm vanası kuru sprinkler sistemlerinde su akış kontrolü / alarm ekipmanı olarak dizayn edilen ana ekipmandır.

The dry pipe valve is a water flow control/alarm device designed for installation in the main supply to a dry pipe sprinkler system.

TEKNİK RESİM / TECHNICAL DRAWING



MALZEME LİSTESİ / MATERIAL LIST

No.	Parça Adı / Part Name	Malzeme / Material	ASTM Şartname ASTM Specification
1	Gövde / Body	Sfero Döküm / Ductile Iron	A536 Seviye / Grade 64-45-12
2	Gövde Siti / Body Seat	Bronz / Bronze	B63 C83600
3	Kapak Civatası / Bonnet Bolt	Karbon Çelik / Carbon Steel	A307 Seviye / Grade B
4	Kapak / Bonnet	Sfero Döküm/Ductile Iron	A536 Seviye / Grade 64-45-12
5	Mil / Stem	Paslanmaz Çelik / Stainless Steel	A276 Tip 304 / Type 304
6	Kapak Contası / Bonnet Gasget	Kauçuk / Rubber EPDM	D2000
7	Yay / Spring	Paslanmaz Çelik / Stainless Steel	A276 Tip 304 / Type 304
8	Civata / Bolt	Karbon Çelik / Carbon Steel	A307 Seviye / Grade B
9	Mandal / Latch	Bronz/Bronze	B148 C95200
10	Diyafram / Diaphragm	Kauçuk / Rubber EPDM	D2000
11	Diyafram Kapağı / Diaphragm Cover	Sfero Döküm / Ductile Iron	A536 Seviye / Grade 64-45-12
12	Mandal Mili / Latch Stem	Paslanmaz Çelik / Stainless Steel	A276 Tip 304 / Type 304
13	Klape / Disc	Bronz / Bronze	B148 C95200
14	Mandal Yayı / Latch Spring	Paslanmaz Çelik / Stainless Steel	A276 Tip 304 / Type 304
15	O-Halka / O-Ring	Kauçuk / Rubber EPDM	D2000
16	O-Halka / O-Ring	Kauçuk / Rubber EPDM	D2000
17	Kol / Sleeve	Pirinç / Brass	B124 C37700
18	O-Halka / O-Ring	Kauçuk / Rubber EPDM	D2000
19	Tutucu / Retainer	Paslanmaz Çelik / Stainless Steel	A276 Tip 304 / Type 304
20	Conta / Gasget	Kauçuk / Rubber EPDM	D2000
21	Civata / Bolt	Paslanmaz Çelik / Stainless Steel	F593 Seviye / Grade 304

ÖLÇÜ TABLOSU / DIMENSIONS

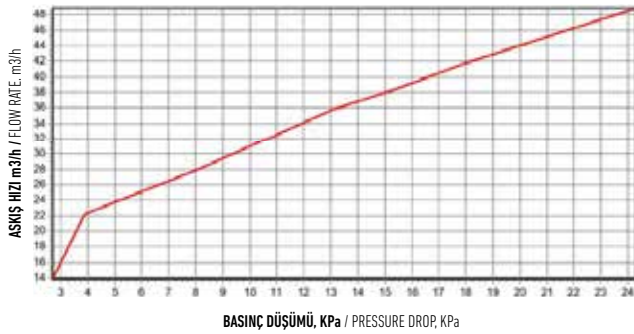
ÖLÇÜ SIZE	A	B	C	D	E			F	G
					FXF	FXG	GXG		
DN80	150	300	210	375	325	310	310	265	120
DN100	180	350	210	375	355	343	343	265	135
DN150	210	375	250	345	431	405	405	290	175
DN200	240	415	275	325	460	445	445	310	190

HAVA BASINCI AYARLARI / AIR PRESSURE SETTINGS

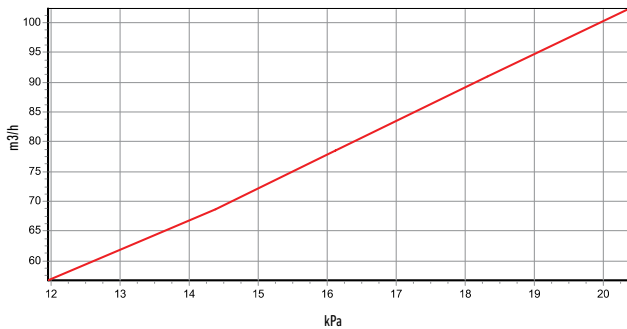
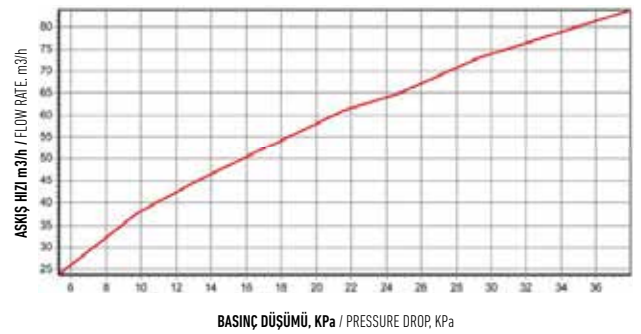
Su Basıncı / Water Pressure		Önerilen Basınç / Recommended Pressure	
psi	kPa	psi	kPa
30-140	21-966	15	103
141-250	21-966	21	145
251-300	1726-2070	24	166

AKIŞ KARAKTERİSTİĞİ / FLOW CHARACTERISTICS

2" PERFORMANS TABLOSU / 2" PERFORMANCE CHART



2 1/2" PERFORMANS TABLOSU / 2 1/2" PERFORMANCE CHART



Ön Tepkimeli Alarm Vanası / Pre-Action Alarm Valve



TEKNİK ÖZELLİKLER / TECHNICAL SPECIFICATIONS

Elektirik-Pnömatik Aktivasyonlu Çift Kilitlemeli
Double Interlock Electric-Pneumatic Activated

Basınç Sınıfı / Pressure Rating: 300 psi

Gövde / Body: Sfero Döküm / Ductile Iron

Klape / Disc: Bronz / Bronze

Bağlantı / Connection: Flanşlı/Flange - Yivli/Grooved

Üretici Testi / Manufacturer Test:

Hidrostatik Test / Hydrostatic Test: 600psi (4134 kPa)

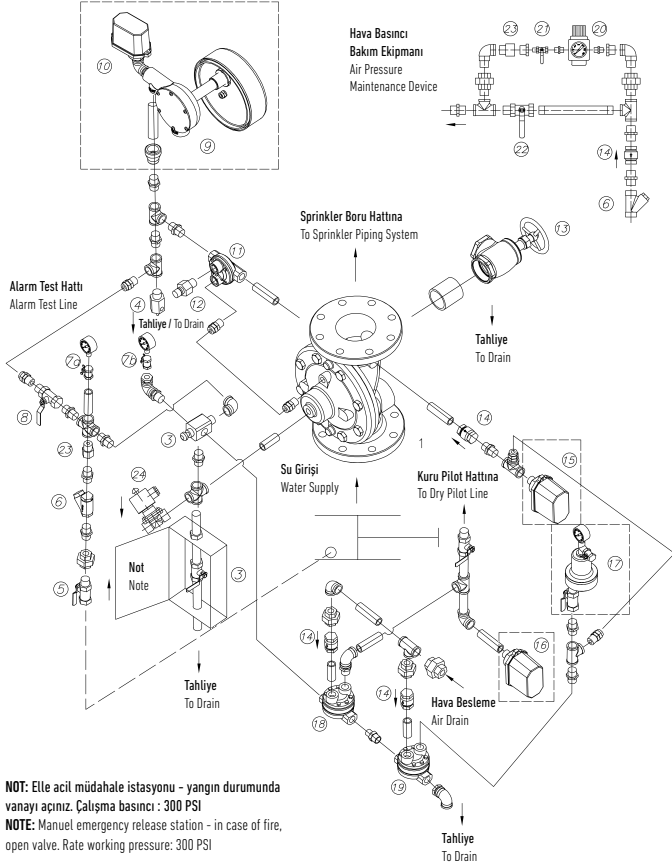
Su Sızdırmazlığı / Water Seat: 600psi (4134 kPa)

Hava Sızdırmazlığı / Air Seat: 100psi (690 kPa)

Ölçü / Size: DN50-DN200



MALZEME LİSTESİ / MATERIAL LIST



1. Otomatik Su Kontrol Vanası
Automatic Water Control Valve
2. Acil Elle Müdahale İstasyonu
Emergency Manual Release Station (Normal Closed)
3. Su Rölesi / Water Relay
4. Otomatik Tahliye Vanası / Automatic Drain Valve
5. Trim Vanası (Normalde Açık) / Trim Valve (Normal Open)
6. Y Filtre / Y-Strainer
- 7a. Giriş basınç Göstergesi (Normalde Açık)
Supply Pressure Gauge (Normal Open)
- 7b. Sistem Basınç Göstergesi (Normalde Açık)
System Pressure Gauge (Normal Open)
8. Alarm Test Vanası (Normalde Kapalı)
Alarm Test Valve (Normal Closed)
9. Su Motor Gonku (İsteğe bağlı) / Water Motor Alarm (Optional)
10. Basınç İzleme Anahtarı / Pressure Supervisory Switch
11. Hidrolik Aktüatör / Hydraulic Actuator
12. Düşük Basınç Tahliye Vanası / Low-Pressure Drain Valve
13. Tahliye Vanası (Normalde Kapalı) / Drain Valve (Normal Closed)
14. Çek Vana / Check Valve
15. Sprinkler Hattı Hava Basınç İzleme Anahtarı (İsteğe Bağlı)
Sprinkler Piping Air Pressure Supervisory Switch (Optional)
16. Pilot Hattı Hava Basınç İzleme Anahtarı (İsteğe Bağlı)
Pilot Line Air Pressure Supervisory Switch (Optional)
17. Hızlandırıcı (İsteğe Bağlı) / Accelerator (Optional)
18. Kuru Pilot Pnömatik Aktüatörü / Dry Pilot Pneumatic Actuator
19. Sprinkler Hattı Pnömatik Aktüatörü
Sprinkler Piping Pneumatic Actuator
20. Hava Düzenleyici / Air Regulator
21. Yavaş Doldurma Vanası (Normalde Açık)
Slow Fill Valve (Normal Open)
22. Hızlı Doldurma Vanası (Normal Kapalı)
Fast Fill Valve (Normal Closed)
23. Sınırlayıcı / Restrictor
24. Pilot Hattı Vanası (Normalde Açık)
Pilot Line Valve (Normal Open)
25. Hızlandırıcı Giriş Vanası (Normalde Açık)
Accelerator Inlet Valve (Normal Open)
26. Hızlandırıcı Çıkış Vanası (Normalde Açık)
Accelerator Outlet Valve (Normal Closed)
27. Selenoid Vana (İsteğe Bağlı) / Solenoid Valve (Optional)
28. Su Motor Gonku Kapama Vanası (Normalde Açık)
Water Motor Alarm Shutoff Valve (Normal Open)

GENEL ÖZELLİKLER / GENERAL SPECIFICATIONS

Ön tepkimeli vana, çift kilitlemeli, elektrik pnömatik ve pnömatik pnömatik aktivasyonlu. Vananın kontrolü vana içinde tutulan basıncın pnömatik serbest bırakılma sistemi ve sprinkler borusundaki basınçla sağlanır.

5311 Pre-Action Valve, Double Interlocked, Electric-pneumatic actuation & Pneumatic-pneumatic actuation. The Model 5311 is controlled by pressure maintained in the pneumatic release system and supervisory pressure maintained in the sprinkler piping system.

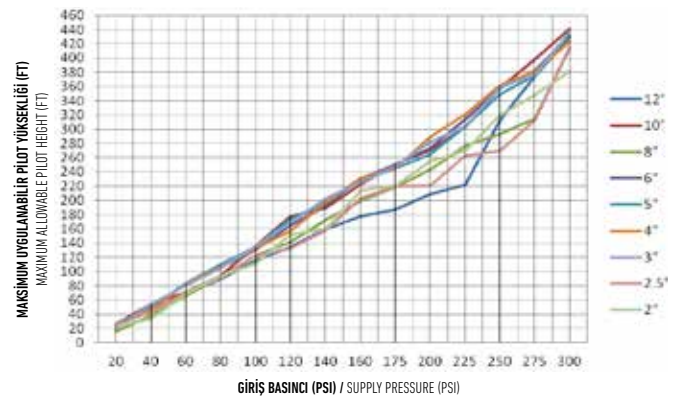
HAVA BASINCI AYARLARI / AIR PRESSURE SETTINGS

Su Basıncı / Water Pressure		MN	
psi	kPa	psi	kPa
20-60	138-414	9,5	65
61-100	415-690	12	83
101-140	691-966	15	103
141-175	967-1207	18	125
176-250	1208-1725	21	145
251-300	1726-2070	24	166

MAKSİMUM UYGULANABİLİR PİLOT YÜKSEKLİĞİ (ft) MAXIMUM ALLOWABLE PILOT HEIGHT (ft)

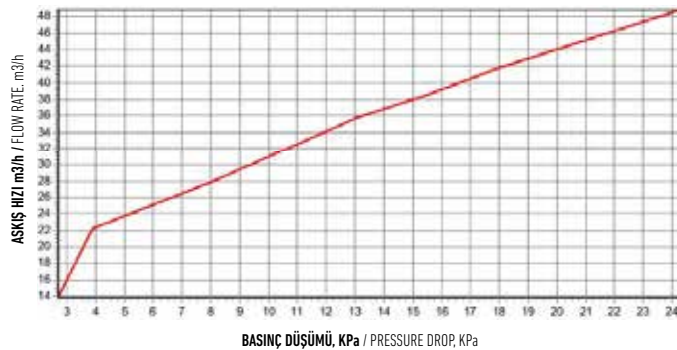
Giriş Basıncı / Supply Pressure (psi)	Maksimum Uygulanabilir Pilot Yüksekliği (ft) Maximum Allowable Pilot Height (ft)								
	12"	10"	8"	6"	5"	4"	3"	2.5"	2"
20	18.4	20.7	8.1	19.3	20.9	17.9	13.1	20.1	18.8
40	32.7	43.8	24.2	33.3	38.3	34.1	43.8	30.8	17.3
60	52	53.6	47.9	69.3	68.5	67.1	64.6	54.4	52.1
80	65.6	72.4	69.7	86.9	91	87.2	84.7	67.5	71.8
100	88.6	111.5	96.5	106.1	111	107.4	111.8	96.8	82.2
120	100.8	154.1	108.4	137.5	149.2	128.5	141.3	97.8	122.7
140	122	156.8	137.2	160.8	167.4	166.5	174.4	119.3	122
160	134.3	188.3	158.7	198.6	195.1	198.9	191.5	164.4	177.5
175	137.5	214.7	175.9	214.1	207.1	207.9	210.9	177.3	177.6
200	151.6	227.2	193.5	229.9	219.1	249.2	240.8	166.5	206.3
225	155.3	253.7	221.8	266.6	254.2	274.8	254.8	205.1	262.1
250	253.2	308.2	228.7	308.2	296.9	312.3	309	201.3	262.1
275	316.4	343.4	244.3	326.1	316.9	324.7	318.8	241.6	283.6
300	369.9	383.9	352.9	372.8	369.6	362.3	379.8	352.6	312.5

GİRİŞ BASINCI SUPPLY PRESSURE

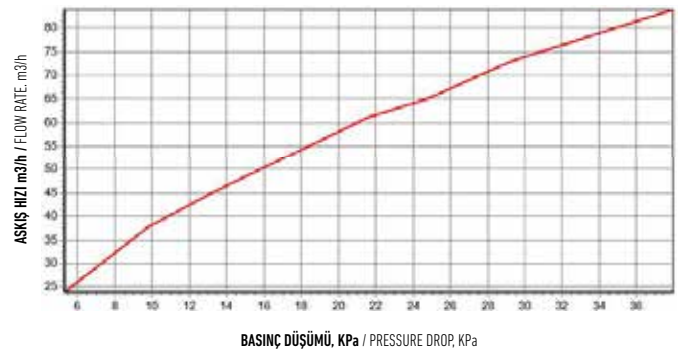


AKIŞ KARAKTERİSTİĞİ / FLOW CHARACTERISTICS

2" PERFORMANS TABLOSU / 2" PERFORMANCE CHART



2 1/2" PERFORMANS TABLOSU / 2 1/2" PERFORMANCE CHART





YANGIN KORUNUM VANALARI

FIRE PROTECTION VALVES

Basınç Düşürücü Vana

Pressure Reducing Control Valve



TEKNİK ÖZELLİKLER

TECHNICAL SPECIFICATIONS

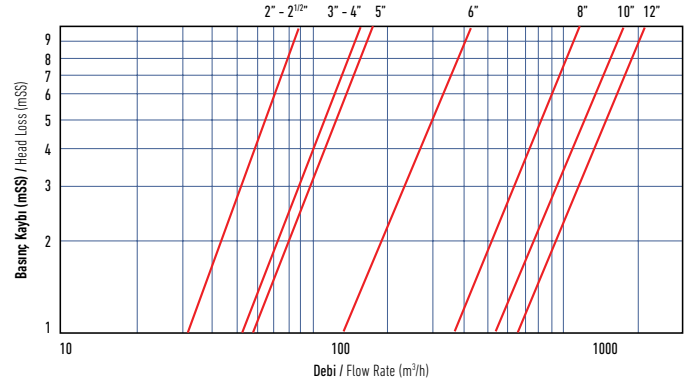
Basınç Sınıfı / Pressure Rating : PN16 / PN25
 Gövde / Body : Sfero Döküm / Ductile Iron
 Diyafram / Diaphragm : EPDM
 Bağlantı / Connection : Flanşlı / Flanged
 Yivli / Grooved

Maksimum Çalışma Sıcaklığı
 Maximum Working Temp. : 90 °C

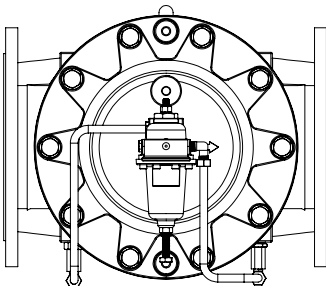
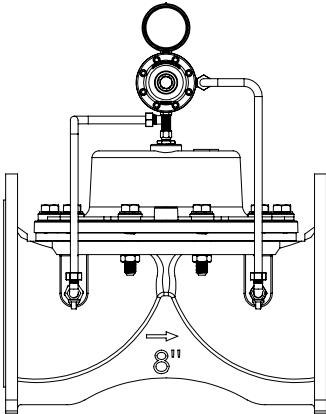
MALZEME LİSTESİ / MATERIAL LIST

Gövde / Body : Sfero Döküm / Ductile ilron (GGG40.3)
 Kapak / Bonnet : Sfero Döküm / Ductile Iron
 Klap / Sit : Paslanmaz Çelik / Stainless Steel
 Trim / Trims : Paslanmaz Çelik / Stainless Steel

BASINÇ GRAFİĞİ / PRESSURE GRAPH



TEKNİK RESİM / TECHNICAL DRAWING



ÖLÇÜ TABLOSU / DIMENSIONS

ÜRÜN KODU PRODUCT CODE	DN	D	L	H	Kv
UPRV-0301X050	50	165	220	150	88
UPRV-0301X065	65	185	220	155	88
UPRV-0301X080	80	200	283	172	174
UPRV-0301X100	100	220	335	180	187
UPRV-0301X125	125	250	372	200	187
UPRV-0301X150	150	285	395	305	419
UPRV-0301X200	200	340	460	383	1139

Relief Vana / Relief Valve

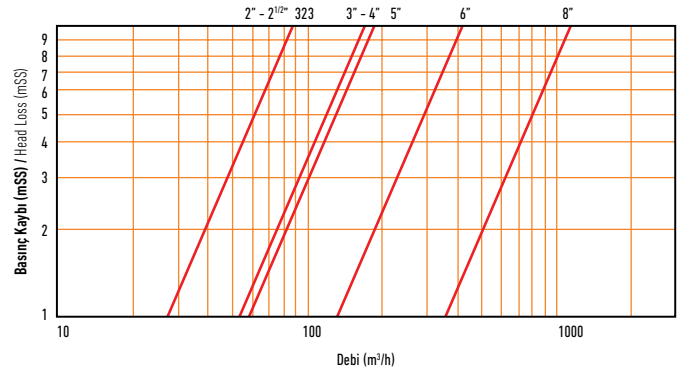
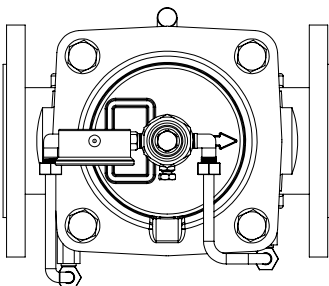
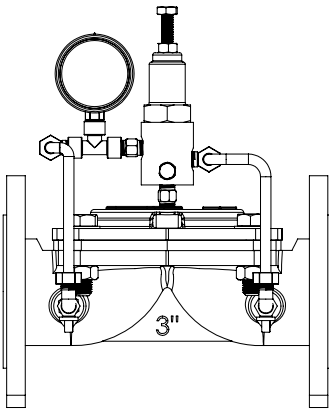

TEKNİK ÖZELLİKLER
TECHNICAL SPECIFICATIONS

Basınç Sınıfı / Pressure Rating : PN16 / PN25
 Gövde / Body : Sfero Döküm / Ductile Iron
 Diyafram / Diaphragm : EPDM
 Bağlantı / Connection : Flanşlı / Flange
 Yivli / Grooved

Maksimum Çalışma Sıcaklığı
 Maximum Working Temp. : 90°C

MALZEME LİSTESİ / MATERIAL LIST

Gövde / Body : Sfero Döküm / Ductile iron (GGG40.3)
 Kapak / Bonnet : Sfero Döküm / Ductile Iron
 Klape / Sit : Paslanmaz Çelik / Stainless Steel
 Trim / Trims : Paslanmaz Çelik / Stainless Steel

BASINÇ GRAFİĞİ / PRESSURE GRAPH

TEKNİK RESİM / TECHNICAL DRAWING

ÖLÇÜ TABLOSU / DIMENSIONS

ÜRÜN KODU PRODUCT CODE	DN	D	L	H	Kv
URLV-0301X050	50	163	212	149	102
URLV-0301X065	65	184	220	154	102
URLV-0301X080	80	204	286	173	201
URLV-0301X100	100	210	330	173	216
URLV-0301X125	125	262	368	212	216
URLV-0301X150	150	288	394	325	484
URLV-0301X200	200	350	462	392	1316

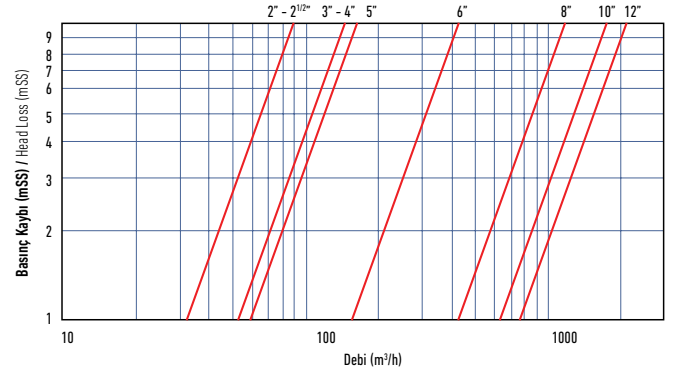
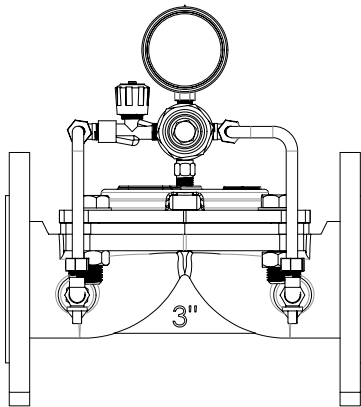
Flatörlü Vana / Float Valve


TEKNİK ÖZELLİKLER
TECHNICAL SPECIFICATIONS

Basınç Sınıfı / Pressure Rating : PN16 / PN25
 Gövde / Body : Sfero Döküm / Ductile Iron
 Trim / Trims : Paslanmaz Çelik / Stainless Steel
 Bağlantı / Connection : Flanşlı / Flange / Yivli / Grooved
 Maksimum Çalışma Sıcaklığı / Maximum Working Temp. : 10°C ... + 80°C

MALZEME LİSTESİ / MATERIAL LIST

Gövde / Body : Sfero Döküm / Ductile Iron
 Kapak / Bonnet : Sfero Döküm / Ductile Iron
 Diyafram / Diaphragm : EPDM

BASINÇ GRAFİĞİ / PRESSURE GRAPH

TEKNİK RESİM / TECHNICAL DRAWING

ÖLÇÜ TABLOSU / DIMENSIONS

ÜRÜN KODU PRODUCT CODE	DN	D	L	H	Kv
UFKV-0301X050	50	163	212	149	102
UFKV-0301X065	65	184	220	154	102
UFKV-0301X080	80	204	286	173	201
UFKV-0301X100	100	210	330	173	216
UFKV-0301X125	125	262	368	212	216
UFKV-0301X150	150	288	394	325	484
UFKV-0301X200	200	350	462	392	1316
UFKV-0301X250	250	405	545	485	1961
UFKV-0301X300	300	460	582	500	2629

Basınç Düşürücü Vana / Pressure Reducing Valve



TEKNİK ÖZELLİKLER / TECHNICAL SPECIFICATIONS

Basınç Sınıfı / Pressure Rating: 300 psi**Gövde / Body:** Sfero Döküm / Ductile Iron**Trim / Pilot:** Paslanmaz Çelik / Stainless Steel**Diyafram / Diaphragm:** EPDM**Bağlantı / Connection:** Flanşlı / Flange - Yivli / Grooved**Ölçü / Size:** DN100 - DN150 - DN200

GENEL ÖZELLİKLER / GENERAL SPECIFICATIONS

Basınç düşürücü vana daha yüksek giriş basıncını daha düşük ve sabit basınca çevirmek için kullanılır.

Ana Kontrol Vanası

Metal üzerinde elastomer bir conta ile kapanan, hidrolik olarak çalıştırılan, diyaframla çalıştırılan bir küresel vana.

Basınç Düşürücü Pilot

2 yollu normalde açık pilot vanası, kendi diyaframının altındaki çıkış basıncını hisseder ve ayarlanabilir yaya karşı dengeler. Çıkış basıncındaki bir artış, pilotu kapama yönünde etkiler.

Sınırlayıcı

Çıkış ağzında sabit orifisli, basit yüzlüklü bağlantı.

Y Filtre

Filtre, pilot sistemini akışkan içindeki pisliklerden korur.

Reducing a higher upstream pressure into a lower, constant downstream pressure.

Basic Control Valve

A hydraulically-operated, diaphragm-actuated globe valve which closes with an elastomer-on-metal seal.

Pressure-Reducing Pilot

A two-way, normally-open pilot valve which senses downstream pressure under its diaphragm and balances it against an adjustable spring load. An increase in downstream pressure tends to make the pilot close.

Restriction

A simple ferrule fitting connection with a fixed orifice in its upstream port.

Y-Strainer

The Strainer protects the pilot system from solid contaminants in the line fluid.

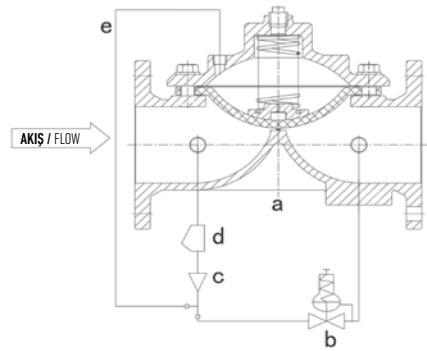
MALZEME LİSTESİ / MATERIAL LIST

Parça Adı / Part Name	Malzeme / Material	ASTM Şartname ASTM Specification
Gövde / Body	Eğilebilir Demir / Ductile Iron	A536 Seviye/Grade 64-45-12
Kapak / Bonnet	Eğilebilir Demir / Ductile Iron	A536 Seviye/Grade 64-45-12
Diyafram / Diaphragm	Kord Bezi Takviyeli Kauçuk / Nylon Reinforced Natural Rubber	
Yay Tutucu / Spring Retainer	Eğilebilir Demir / Ductile Iron	A536 Seviye/Grade 64-45-12
Yay / Spring	Paslanmaz Çelik / Stainless Steel	A276 Tip/Type 304
Galvanizli Civata / Galvanized Bolt	Karbon Çelik / Carbon Steel	A307 Seviye/Grade B

NO	Bileşenler / Components	Malzeme / Material
a	Ana Vana / Main Valve	
b	Basınç Düşürücü Pilot / Pressure Reducing Pilot	Bronz / Bronze
c	Sınırlayıcı / Restriction Orifice	Paslanmaz Çelik / Stainless Steel 304
d	Y-Filtre / Y-Strainer	Paslanmaz Çelik / Stainless Steel 304
e	Boru Hattı Pipeline	Paslanmaz Çelik / Stainless Steel 304

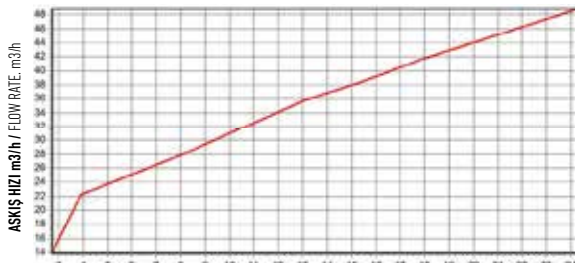
ÖLÇÜ TABLOSU / DIMENSIONS

ÖLÇÜ SIZE	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300
	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"
L1	260	310	310	356	370	436	530	636	835
L2	233	290	310	356	370	436	530	636	835
W	450	485	500	520	550	590	640	700	950
H	210	220	220	270	280	290	360	380	430



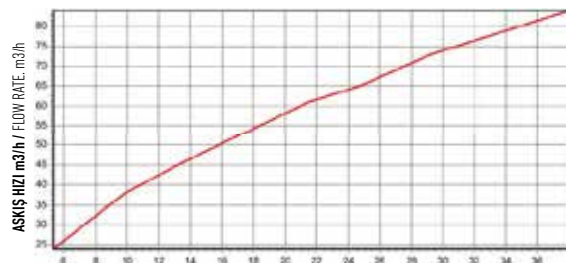
AKIŞ GRAFİĞİ / FLOW CHARACTERISTICS

2" PERFORMANS TABLOSU / 2" PERFORMANCE CHART



BASINÇ DÜŞÜMÜ, kPa / PRESSURE DROP, kPa

2 1/2" PERFORMANS TABLOSU / 2 1/2" PERFORMANCE CHART



BASINÇ DÜŞÜMÜ, kPa / PRESSURE DROP, kPa

Relief Vana / Relief Valve



TEKNİK ÖZELLİKLER / TECHNICAL SPECIFICATIONS

Basınç Sınıfı / Pressure Rating: 300psi**Gövde / Body:** Sfero Döküm / Ductile Iron**Trim / Pilot:** Paslanmaz Çelik / Stainless Steel**Diyafram / Diaphragm:** EPDM**Bağlantı / Connection:** Flanşlı / Flange - Yivli / Grooved**Ölçü / Size:** DN100 - DN150 - DN200

GENEL ÖZELLİKLER / GENERAL SPECIFICATIONS

Relief vana, boru hattındaki aşırı basıncı tahliye ederek, basıncı sınırlamak için tasarlanmıştır.

Basınç Sabitleme: Boru hattındaki basıncın, maksimum değerden daha fazla artmasını önler.

Relief vana hidrolik olarak çalışan diyaframlı bir vanadır. Kord bezi bağlı sentetik kauçuk diyafram, vananın üst tarafındaki odacıkta hat basıncı ile işletme basıncını ayırma işlevi görür. Diyaframın üzerine basınç etki ettiğinde elastomer kaplı klap, site doğru hareket ederek ayar yapar ve gerektiğinde kapatarak sızdırmazlık sağlar.

Pressure Relief Valve is designed to Limits pipe line pressure by release excess pressure.

Pressure Sustaining: Prevents pipe line pressure from rising to a maximum value.

The basic control valve is a hydraulically-operated, diaphragmactuated valve. The diaphragm is nylon-fabric bonded with synthetic rubber and forms a sealed chamber in the upper portion of the valve, separating operating pressure from line pressure. An elastomeric seat disc forms a tight seal with the valve seat when pressure is applied above the diaphragm.

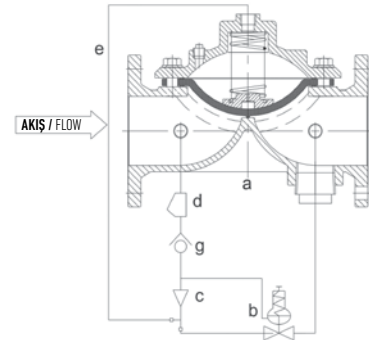
MALZEME LİSTESİ / MATERIAL LIST

Parça Adı / Part Name	Malzeme / Material	ASTM Şartname ASTM Specification
Gövde / Body	Eğilebilir Demir / Ductile Iron	A536 Seviye/Grade 64-45-12
Kapak / Bonnet	Eğilebilir Demir / Ductile Iron	A536 Seviye/Grade 64-45-12
Diyafram / Diaphragm	Kord Bezi Takviyeli Kauçuk / Nylon Reinforced Natural Rubber	
Yay Tutucu / Spring Retainer	Eğilebilir Demir / Ductile Iron	A536 Seviye/Grade 64-45-12
Yay / Spring	Paslanmaz Çelik / Stainless Steel	A276 Tip/Type 304

NO	Bileşenler / Components	Malzeme / Material
a	Ana Vana / Main Valve	
b	Basınç Düşürücü Pilot / Pressure Reducing Pilot	Bronz / Bronze
c	Sınırlayıcı / Restriction Orifice	Paslanmaz Çelik / Stainless Steel 304
d	Y-Filtre / Y-Strainer	Paslanmaz Çelik / Stainless Steel 304
e	Boru Hattı / Pipeline	Paslanmaz Çelik / Stainless Steel 304
g	Çek Vana/ Check Valve	Paslanmaz Çelik / Stainless Steel 304

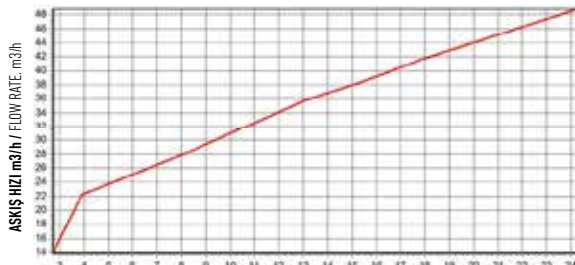
ÖLÇÜ TABLOSU / DIMENSIONS

Ölçü Size	2	2.5	3	4	5	6	8	10	12
L	233 9.2	290 11.5	310 12.2	356 14.0	370 14.5	436 17.2	530 20.8	636 25	835 32.8



AKIŞ GRAFİĞİ / FLOW CHARACTERISTICS

2" PERFORMANS TABLOSU / 2" PERFORMANCE CHART



2 1/2" PERFORMANS TABLOSU / 2 1/2" PERFORMANCE CHART



İzlenebilir Kelebek Vana / Butterfly Valve With Supervisory Switch



TEKNİK ÖZELLİKLER / TECHNICAL SPECIFICATIONS

Basınç Sınıfı / Pressure Rating: 300psi

Gövde / Body: Sfero Döküm / Ductile Iron

Klape/Disc: EPDM Kaplı Sfero Döküm / EPDM Coated Ductile Iron

Bağlantı / Connection: Wafer

Ölçü / Size: DN65 - DN300

GENEL ÖZELLİKLER / GENERAL SPECIFICATIONS

- **Çalışma Basıncı:** 300 psi (21 bar)
- **Maksimum Test Basıncı:** 600 psi (42 bar)
- **Sıcaklık:** ~250°F (~120°C)
- Dişli kutulu

IP 65, sfero döküm gövde içinde bronz sonsuz vida, dual switch.
İç mekan ve dış mekan kullanımları için, fabrikada monte edilmiş
UL onaylı normalde kapalı Temper Switch, volanlı.

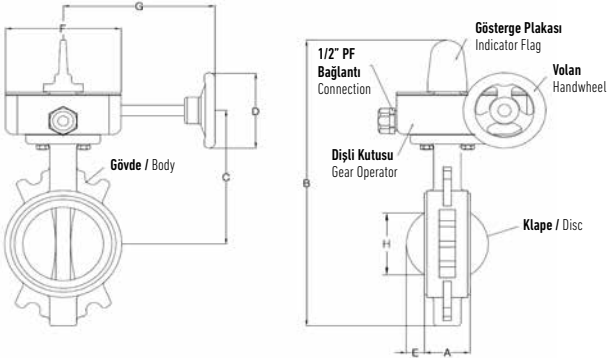
- **Working Pressure:** 300 psi (21 bar)
- **Max. Test Pressure:** 600 psi (42 bar)
- **Temperature Range:** ~250°F (~120°C)
- Gearbox

IP 65, bronze traveling nut gearbox with internal dual switch in
ductile iron housing. Factory installed UL approved Tempered Switch
for indoor and outdoor use.

MALZEME LİSTESİ / MATERIAL LIST

Parça Adı / Part Name	Malzeme / Material
Gövde / Body	ASTM A536 Naylon / Nylon-11 Kaplı / Coated
Klape / Disc	ASTM A536 EPDM Kaplı / Encapsulated
Mil / Stem	AISI 410
Dişli Kutusu / Hand Wheel	ASTM A536
O ring / O-ring	ASTM A536
Conta / Gasket	EPDM

ÖLÇÜ TABLOSU / DIMENSIONS



Nominal Vana Ölçüsü Nominal Valve Size Inches (DN)	Nominal Boyutlar / Nominal Dimensions Inches (mm)								Ağırlık Weight Lbs. (kg)
	A	B	C	D	E	F	G	H	
2 (DN50)	1.50 (38)	10.63 (270)	2.85 (72.5)	4.90 (124.5)	4.92 (125)	4.28 (108.6)	1.99 (50.5)	1.4 (35.5)	11.46 (5.2)
2-1/2 (DN65)	1.81 (46)	11.67 (296.5)	3.35 (85)	5.45 (138.5)	4.92 (125)	4.28 (108.6)	1.99 (50.5)	1.65 (41.9)	13.4 (6.1)
3 (DN80)	1.81 (46)	12.27 (311.7)	3.58 (91)	5.81 (147.7)	4.92 (125)	4.28 (108.6)	1.99 (50.5)	2.34 (59.5)	14.77 (6.7)
4 (DN100)	2.16 (55)	13.92 (353.5)	4.29 (109)	6.75 (171.5)	4.92 (125)	4.28 (108.6)	1.99 (50.5)	3.25 (82.6)	15.65 (7.1)
5 (DN125)	2.4 (61)	16 (406.6)	5.16 (131)	7.93 (201.5)	5.91 (150)	5.79 (147)	2.32 (58.9)	4 (101.6)	26.68 (12.1)
6 (DN150)	2.4 (61)	17.07 (433.6)	5.71 (145)	8.44 (214.5)	5.91 (150)	5.79 (147)	2.32 (58.9)	5.22 (132.6)	25.35 (11.5)
8 (DN200)	3.03 (77)	19.02 (483.1)	6.69 (170)	9.43 (239.5)	8.86 (225.0)	5.79 (147)	2.32 (58.9)	7.3 (185.4)	31.53 (14.3)
10 (DN250)	3.03 (77)	23.01 (584.5)	11.1 (282)	8.86 (225)	3.39 (86)	5.51 (140)	8.19 (208)	9.13 (231.8)	64.6 (29.3)
UVB-W300 (175 PSI)									
12 (DN300)	3.03 (77)	25.16 (639)	12.2 (310)	8.86 (225)	4.49 (114)	5.51 (140)	8.19 (208)	11.53 (292.8)	86.42 (39.2)
UVB-W300 (175 PSI)									

İzlenebilir Kelebek Vana / Butterfly Valve with Supervisory Switch



TEKNİK ÖZELLİKLER / TECHNICAL SPECIFICATIONS

Basınç Sınıfı / Pressure Rating: 300psi
Gövde / Body: Sfero Döküm / Ductile Iron
Klape / Disc: EPDM Kaplı Sfero Döküm
 EPDM Coated Ductile Iron
Bağlantı / Connection: Yivli / Grooved
Ölçü / Size: DN50 - DN200

GENEL ÖZELLİKLER / GENERAL SPECIFICATIONS

Çalışma Basıncı: 300 psi (21 bar)
Maksimum Test Basıncı: 600 psi (42 bar)
Sıcaklık Sınıfı: ~250°F (~120°C)

İç mekan ve dış mekan kullanımları için, fabrikada monte edilmiş UL onaylı normalde kapalı Temper Switch, volanlı.

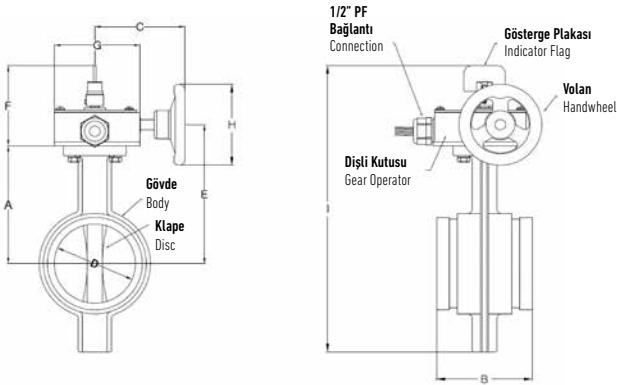
Working Pressure: 300 psi (21 bar)
Max. Test Pressure: 600 psi (42 bar)
Temperature Range: ~250°F (~120°C)

Factory Installed UL Approved Tempered Switch for Indoor and Outdoor Use Normal Closed type Hand Wheel Black Color

MALZEME LİSTESİ / MATERIAL LIST

Parça Adı / Part Name	Malzeme / Material
Gövde / Body	ASTM A536 Naylon / Nylon-11 Kaplı / Coated
Disk / Disc	ASTM A536 EPDM Kaplı / Encapsulated
Mil / Stem	AISI 410
Dişli Kutusu / Signal Gearbox	ASTM A536
Dişli Kutusu / Hand Wheel	ASTM A536
O ring / O-ring	EPDM

ÖLÇÜ TABLOSU / DIMENSIONS



Nominal Vana Ölçüsü Nominal Valve Size Inches (DN)	Boru Dış Çapı Pipe OD Inches (mm)	Nominal Boyutlar / Nominal Dimensions Inches (mm)									Ağırlık Weight Lbs. (kg)
		A	B	C	D	E	F	G	H	I	
2 (DN 50)	2.37 (60.3)	3.86 (98.0)	3.8 (96.4)	4.24 (107.8)	2.37 (60.3)	4.90 (124.5)	3.90 (99.0)	4.13 (105.0)	3.94 (100.0)	10.63 (270)	10.80 (4.9)
2-1/2 (DN 65)	2.88 (73.0)	4.48 (113.8)	3.8 (96.4)	4.24 (107.8)	2.88 (73.0)	5.50 (139.8)	3.90 (99.0)	4.13 (105.0)	3.94 (100.0)	11.72 (297.8)	11.2 (5.1)
3 (DN 80)	3 (76.1)	4.48 (113.8)	3.8 (96.4)	4.24 (107.8)	3 (76.1)	5.50 (139.8)	3.90 (99.0)	4.13 (105.0)	3.94 (100.0)	11.72 (297.8)	11.2 (5.1)
4 (DN 100)	3.5 (88.9)	4.73 (120.3)	3.8 (96.4)	4.24 (107.8)	3.50 (88.9)	5.76 (146.3)	3.90 (99.0)	4.13 (105.0)	3.94 (100.0)	12.22 (310.3)	12.6 (5.7)
5 (DN 125)	4.5 (114.3)	5.73 (145.5)	4.54 (115.4)	4.24 (107.8)	4.50 (114.3)	6.75 (171.5)	3.90 (99.0)	4.13 (105.0)	3.94 (100.0)	13.92 (353.5)	15.6 (7.1)
6 (DN 150)	5.5 (139.7)	6.54 (166.0)	5.21 (132.4)	5.79 (147.0)	5.5 (139.7)	7.93 (201.5)	4.29 (109.1)	4.88 (123.9)	5.90 (150.0)	16.01 (406.6)	26.24 (11.9)
8 (DN 200)	5.56 (141.3)	6.54 (166.0)	5.21 (132.4)	5.79 (147.0)	5.56 (141.3)	7.93 (201.5)	4.29 (109.1)	4.88 (123.9)	5.90 (150.0)	16.01 (406.6)	26.24 (11.9)
DN 150	6.5 (165.1)	7.07 (179.5)	5.21 (132.4)	5.79 (147.0)	6.5 (165.1)	8.45 (214.5)	4.29 (109.1)	4.88 (123.9)	5.90 (150.0)	17.07 (433.6)	28.7 (13.0)
6 (DN 150)	6.63 (168.3)	7.07 (179.5)	5.21 (132.4)	5.79 (147.0)	6.63 (168.3)	8.45 (214.5)	4.29 (109.1)	4.88 (123.9)	5.90 (150.0)	17.07 (433.6)	28.7 (13.0)
8 (DN 200)	8.63 (219.1)	8.03 (204.0)	5.80 (147.4)	5.79 (147.0)	8.63 (219.1)	16.10 (409)	4.29 (109.1)	4.88 (123.9)	8.86 (225.0)	19.02 (483.1)	36.37 (16.5)

Çek Vana / Check Valve



TEKNİK ÖZELLİKLER / TECHNICAL SPECIFICATIONS

Basınç Sınıfı / Pressure Rating: 300psi
Gövde / Body: Sfero Döküm / Ductile Iron
Klape/Disc: EPDM Kaplı Sfero Döküm / EPDM Coated Ductile Iron
Bağlantı / Connection: Yivli / Grooved
Ölçü / Size: DN50 - DN150

GENEL ÖZELLİKLER / GENERAL SPECIFICATIONS

Çalışma Basıncı: 300 psi (21 bar)
Maksimum Test Basıncı: 600 psi (42 bar)
Sıcaklık Sınıfı: 250°F (120 °C)

Working Pressure: 300 psi (21 bar)
Max. Test Pressure: 600 psi (42 bar)
Temperature Range: 250°F (120 °C)

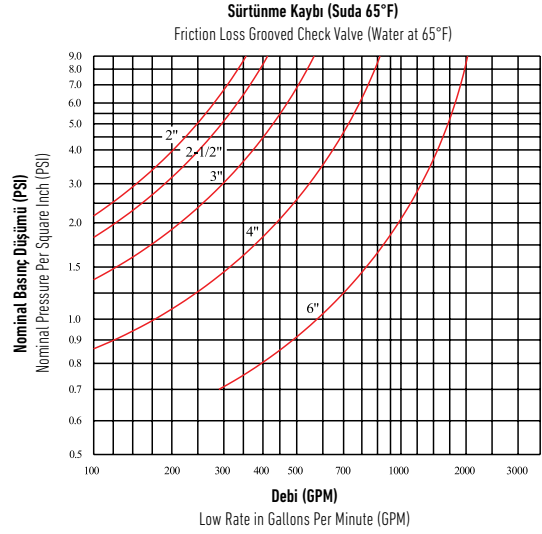
Hem yatay hem dikey pozisyonda monte edilebilir.

Install in Both Horizontal or Vertical Position

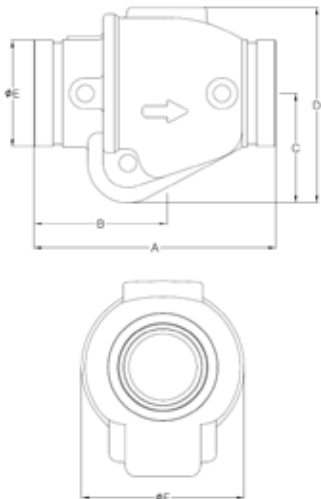
MALZEME LİSTESİ / MATERIAL LIST

Parça Adı / Part Name	Malzeme / Material
Gövde / Body	ASTM A536
Sit Ringi / Seat Ring	Prinç / Brass (ASTM C37700)
Klape / Clapper	ASTM A240
Kauçuk Ringi / Rubber Ring	EPDM
Yay / Spring	ASTM A240
Kama Pimi / Hinge Pin	ASTM A240

AKIŞ GRAFİĞİ / FLOW CHARACTERISTICS



ÖLÇÜ TABLOSU / DIMENSIONS



Nominal Vana Ölçüsü Nominal Valve Size Inches (DN)	Boru Dış Çapı Pipe OD Inches (mm)	Nominal Boyutlar / Nominal Dimensions Inches (mm)						Ağırlık Weight Lbs. (kg)
		A	B	C	D	E	F	
2 (DN50)	2.37 (60.3)	3.54 (90.0)	3.54 (90.0)	2.80 (71.0)	5.02 (127.5)	2.37 (60.3)	4.21 (107.0)	6.24 (2.83)
2-1/2 (DN65)	2.88 (73.0)	3.91 (99.4)	3.91 (99.4)	3.19 (81.0)	5.71 (145.1)	2.87 (73.0)	4.74 (120.3)	8.80 (4.00)
3 (DN80)	3 (76.1)	7.06 (179.4)	3.91 (99.4)	3.19 (81.0)	5.71 (145.1)	2.87 (73.0)	4.74 (120.3)	8.80 (4.00)
4 (DN100)	3.5 (88.9)	7.80 (198.0)	4.29 (109.0)	3.61 (91.6)	6.44 (163.6)	3.5 (88.9)	5.24 (133.0)	13.23 (6.00)
DN150	4.5 (114.3)	8.62 (218.9)	4.06 (103.1)	4.25 (108.0)	7.71 (195.9)	4.50 (114.3)	6.49 (164.8)	19.84 (9.00)
6 (DN150)	6.5 (165.1)	6.63 (168.3)	5.12 (130.0)	5.43 (137.9)	9.56 (242.9)	6.63 (168.3)	8.00 (203.2)	37.48 (17.00)
6 (DN150)	6.63 (168.3)	6.63 (168.3)	5.12 (130.0)	5.43 (137.9)	9.56 (242.9)	6.63 (168.3)	8.00 (203.2)	37.48 (17.00)

OS&Y Sürgülü Vana / OS&Y Gate Valve



TEKNİK ÖZELLİKLER / TECHNICAL SPECIFICATIONS

Basınç Sınıfı / Pressure Rating: 300psi
Gövde / Body: Sfero Döküm / Ductile Iron
Sürgü / Wedge: EPDM Kaplı Sfero Döküm
 EPDM Coated Ductile Iron
Bağlantı / Connection: Flanşlı / Flanged
Ölçü / Size: DN65 - DN300

GENEL ÖZELLİKLER / GENERAL SPECIFICATIONS

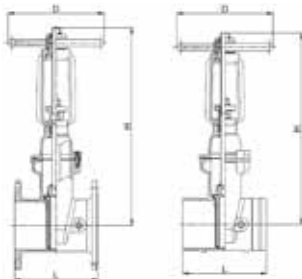
- Ayarlanabilir sızdırmazlık.
- Sfero Döküm, Sürgü, EPDM Kaplı.
- ANSI / ASME B16.10, EN558, Seri 3'e göre yüz yüze boyutlar.
- Flanş Delikleri Standart DIN PN16, ANSI B16.1, Class 125, ASME B16.42. Opsiyonel.
- AWWA C606 standartlarına göre yivli bağlantılar (Opsiyonel).
- UL/ULC Listeli / FM Approved onaylı. Basınç 300 PSI.
- Adjustable packing.
- Ductile-Iron Wedge, EPDM Encapsulated.
- Face to Face Dimensions to ANSI / ASME B16.10, EN558, Series 3.
- Flange Drilling to ANSI B16.1, Class 125, ASME B16.42, Class 150. Optional.
- Grooved Ends to AWWA C606 standard.
- UL / ULC Listed / FM Approved 300 PSI rating.

MALZEME LİSTESİ / MATERIAL LIST

Parça Adı / Part Name	Malzeme / Material	ASTM Şartname / ASTM Specification
Gövde / Body	Sfero Döküm / Ductile Iron	A536 Seviye/Grade 64-45-12
Kapak / Cover	Sfero Döküm / Ductile Iron	A536 Seviye/Grade 64-45-12
Kama / Wedge	EPDM Kaplı Sfero Döküm / EPDM Fully Encapsulated Ductile Iron	
Kama Somunu / Wedge Nut	Paslanmaz Çelik / Stainless Steel	A351 Seviye/Grade CF8
Kapak / Bonnet	Sfero Döküm / Ductile Iron	A536 Seviye/Grade 64-45-12
Yoke	Sfero Döküm / Ductile Iron	A536 Seviye/Grade 64-45-12
Mil / Stem	Paslanmaz Çelik / Stainless Steel	A276 Tip 304 / Type 304
Mil Somunu / Stem Nut	Paslanmaz Çelik / Stainless Steel	B148 C95200
Gövde-Kapak Contası / Body-Bonnet Gasket	Bronz / Bronze	D2000 EPDM
Paketleme / Packing	Grafit / Graphite	Asbest içermeyen / Non-Asbestos
Salmastra / Gland	Sfero Döküm / Ductile Iron	A536 Seviye/Grade 64-45-12
Salmastra Baskısı / Gland Sut	Paslanmaz Çelik / Stainless Steel	F593 Seviye/Grade B
Kapak Civataları / Bonnet Fasteners	Karbon Çelik / Carbon Steel	A307 Seviye/Grade B
Tapa / Plug	Dövülebilir Demir / Malleable Iron	A47 Seviye/Grade 22010
El Çark / Handwheel	Sfero Döküm / Ductile Iron	A536 Seviye/Grade 64-45-12

ÖLÇÜ TABLOSU / DIMENSIONS

Ölçü Tablosu / Main Dimensions (mm/inch)									
Ölçü / Size	2	2.5	3	4	5	6	8	10	12
L	178 7.0	191 7.5	203 8.0	229 9.0	254 10.0	267 10.5	292 11.5	330 13.0	356 14.0
H (Open)	385 15.2	415 16.3	518 20.4	561 22.1	715 28.1	782 30.8	981 38.6	1244 49.0	1376 54.2
D	183 7.2	183 7.2	253 10.0	253 10.0	355 14.0	355 14.0	355 14.0	445 17.5	445 17.5



AKIŞ HIZI / FLOW VELOCITY

FM/UL Sürgülü Vana / Basınç Düşüm Eğrisi / Pressure Drop Chart of FM/UL Gate Valve								
Akış Hızı Flow Velocity (m/s)	Basınç Düşümü / Pressure Drop (Bar)							
	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300
0.5	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
1	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.003
1.5	0.008	0.008	0.007	0.007	0.007	0.007	0.007	0.007
2	0.014	0.015	0.014	0.014	0.014	0.014	0.014	0.014
2.5	0.022	0.023	0.019	0.019	0.019	0.019	0.019	0.019
3	0.032	0.034	0.028	0.028	0.027	0.028	0.028	0.028
3.5	0.042	0.046	0.037	0.037	0.037	0.037	0.037	0.037
4	0.055	0.06	0.049	0.049	0.049	0.049	0.049	0.049
4.5	0.07	0.076	0.062	0.062	0.062	0.062	0.062	0.062

NRS Sürgülü Vana / NRS Gate Valve



TEKNİK ÖZELLİKLER / TECHNICAL SPECIFICATIONS

Basınç Sınıfı / Pressure Rating: 300psi

Gövde / Body: Sfero Döküm / Ductile Iron

Klape / Disc: EPDM Kaplı Sfero Döküm / EPDM Coated Ductile Iron

Bağlantı / Connection: Flanşlı / Flanged

Ölçü / Size: DN65 - DN300

GENEL ÖZELLİKLER / GENERAL SPECIFICATIONS

- Üçlü O-ring mil sızdırmazlığı
- EN1092-2 (PN16)'ya uygun flanşlar, diğer flanş tipleri isteğe göre sağlanabilir.
- UL Listeli, 300 PSI
- FM onaylı, 300 PSI
- NSF/ ANSI 61 & 372'e göre sertifikalı

Çalışma Basıncı: 300PSI, 200PSI ve 250PSI'ler istek üzerine sağlanabilir.

Çalışma Sıcaklığı: 42°F - 180°F

Korozyondan Koruma: AWWA C550 standardına göre iç ve dış kaplama füzyon bağlı epoksi.

Montaj: Vanalar, yatay boru hatlarına, vana milleri dikey pozisyonda olacak şekilde monte edilir. Vanalar, dikey boru hatlarına milleri yatay pozisyonda olacak şekilde monte edilmelidir.

- Triple O-rings stem seal
- Flanges to ANSI B16.1 Class125. Other flange types available upon request
- UL Listed, 300 PSI
- FM Approved 300 PSI
- Certified to NSF/ ANSI 61 & 372

Working Pressure: 300PSI, 200PSI and 250PSI available on request

Working Temperature: 42°F - 180°F

Corrosion Protection: Fusion Bonded Epoxy Coated Interior and exterior to AWWA C550 Standard

Installation: Valves installed in horizontal piping systems should have the stems oriented vertically. Valves installed in vertical piping systems should have the stems oriented horizontally.

MALZEME LİSTESİ / MATERIAL LIST

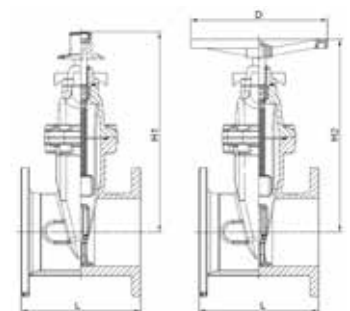
Parça Adı / Part Name	Malzeme / Material	ASTM Şartname ASTM Specification
Gövde / Body	Sfero Döküm / Ductile Iron	A536 Seviye/Grade 64-45-12
Sürgü / Wedge	Sfero Döküm / Ductile Iron	EPDM
Sürgü Somunu / Wedge Nut	Bronz / Bronze	B62 C83600
Mil / Stem	Paslanmaz Çelik / Stainless Steel	AISI 420
Kapak / Bonnet	Sfero Döküm / Ductile Iron	A536 Seviye/Grade 64-45-12
Conta / Gasket	Kauçuk / Rubber	EPDM
Salmastra Baskısı / Gland	Sfero Döküm / Ductile Iron	A536 Seviye/Grade 64-45-12
Emniyet Yakası / Thrust Collar	Bronz / Bronze	B62 C83600
O ring / O-ring	Kauçuk / Rubber	EPDM
İşletme Somunu / Volan Operating Nut	Sfero Döküm / Ductile Iron	A536 Seviye/Grade 64-45-12
Salmastra Cıvatası / Gland Bolt	Paslanmaz Çelik / Stainless Steel	AISI 304
Kapak Cıvatası / Bonnet Bolt	Paslanmaz Çelik / Stainless Steel	AISI 304

AKIŞ HIZI / FLOW VELOCITY

FM/UL Sürgülü Vana / Basınç Düşüm Eğrisi / Pressure Drop Chart of FM/UL Gate Valve								
Akış Hızı Flow Velocity (m/s)	Basınç Düşümü / Pressure Drop (Bar)							
	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300
0.5	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
1	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.003
1.5	0.008	0.008	0.007	0.007	0.007	0.007	0.007	0.007
2	0.014	0.015	0.014	0.014	0.014	0.014	0.014	0.014
2.5	0.022	0.023	0.019	0.019	0.019	0.019	0.019	0.019
3	0.032	0.034	0.028	0.028	0.027	0.028	0.028	0.028
3.5	0.042	0.046	0.037	0.037	0.037	0.037	0.037	0.037
4	0.055	0.06	0.049	0.049	0.049	0.049	0.049	0.049
4.5	0.07	0.076	0.062	0.062	0.062	0.062	0.062	0.062

ÖLÇÜ TABLOSU / DIMENSIONS

Ölçüler / Dimensions (mm/inch)																
Ölçü Size	2.5"		3"		4"		5"		6"		8"		10"		12"	
	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
L	190.5	7-1/2	203	8	229	9	254	10	267	10-1/2	292	11-1/2	330	13	356	14
H1	270	10-5/8	296	11-5/8	350	13-3/4	410	16-1/8	455	17-15/16	545	21-7/16	645	25-3/8	730	28-3/4
H2	255	10	302	11-7/8	327	12-7/8	417	15-7/16	436	17-3/16	532	20-15/16	619	24-3/8	716	28-3/16
D	175	6-7/8	255	10	255	10	305	12	305	12	355	14	405	16	405	16
Ağırlık Weight (Lbs)	31		41		49		64		88		146		220		324	



Dikey Post Indicator/ Vertical Indicator Posts



TEKNİK ÖZELLİKLER / TECHNICAL SPECIFICATIONS

- OPEN ve SHUT işaretlerini ayarlamak için kafayı sökün.
Remove the post head to adjust OPEN and SHUT signs as required.
- Teleskopik rot ve boruyu istenen boyutta ayarlayın.
Adjust telescoping rod and pipe to desired length.
- Post indiktorü vananın post indiktor flanşına bağlayın.
Re-attach the post to the post flange on the valve.

Korozyon Koruması / Corrosion Protection:

- İç ve Dış Kaplama AWWA C550 Standardına Göre Sprey Boyama.
Spray Painted Interior and Exterior to AWWA C550 Standard.
- Ayak: Siyah Bitümen Kaplı.
Stand Barrel: Black Bitumen Coated.

Opsiyonlar / Options:

- İç ve Dış Füzyon Bağlı Kaplama.
Fusion Bonded Coating Interior and Exterior.
- Tamper İzleme Anahtarı.
Tapped Supervisory Tamper Switch.
- Cıvata ve Somunlar Paslanmaz Çelik: A2-70 veya A4-70.
Stainless Steel Fasteners: A2-70 or A4-70.

GENEL ÖZELLİKLER / GENERAL SPECIFICATIONS

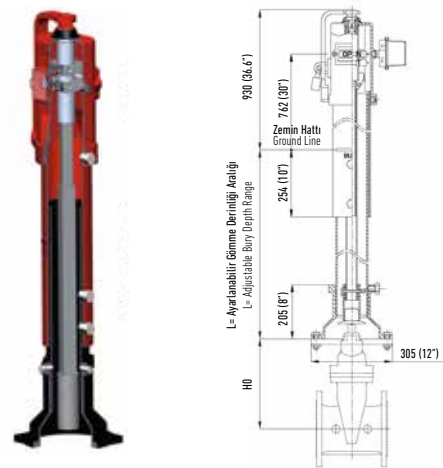
- NFPA 24 standardının gerekliliklerini karşılar.
- Vana'nın OPEN veya SHUT pozisyonunu gösterir.
- Emniyet kilitli L şekilli anahtar kol.
(Kullanıcı tarafından sağlanır)
- Koruma penceresi.
- Teleskopik kumanda mili.
- Kolay ayarlanabilir gösterge (OPEN ve SHUT).
- UL/ULC 789 Listeli ve FM1110 Approved onaylı.
- GOST Sertifikalı.

- Meet or Exceed the Requirements of NFPA 24 Standard.
- Indicates the State of the Valve OPEN or SHUT Position.
- "L" Shaped Wrench Handle fitted with a Secure Padlock
(provided by user).
- Protected Windows.
- Telescoping Operating Rod.
- Easily Adjustable Indicator OPEN and SHUT Targets.
- UL/ULC 789 Listed and FM1110 Approved.
- GOST Certification.

MALZEME LİSTESİ / MATERIAL LIST

Parça Adı / Part Name	Malzeme / Material	ASTM Şartname ASTM Specification
Ana Boru / Post Head	Gri Dökme Demir / Gray Cast Iron	A126 Sınıf / Class B
İşletme anahtarı / Operating Wrench	Sfero Döküm / Ductile Iron	A536 Seviye/Grade 64-45-12
Tutma Halkası / Retaining Ring	Paslanmaz Çelik / Stainless Steel	A276 Tip / Type 304
Hava Kapağı / Weather Cap	Polietilen / Polyethylene	Commercial
Dişli Kol / Threaded Sleeve	Paslanmaz Çelik / Stainless Steel	A276 Tip / Type 304
Boru Tapası / Pipe Plug	Dövülebilir Demir / Malleable Iron	A47 Seviye/Grade 2201 0
Hava Kapağı / Target Plate	Alüminyum Alaşım / Aluminum Alloy	ASTM B26
Vida / Screw	Karbon Çelik / Carbon Steel	A105
OPEN/SHUT Plakaları / Target Plate	Alüminyum Alaşım / Aluminum Alloy	ASTM B26
Pencere / Windows	Plastik Cam / Plexiglass	Standart / Commercial
Conta / Gasket	Kauçuk / Rubber	D2000 NBR
Üst Namlu / Upper Barrel	Karbon Çelik / Carbon Steel	A53 Tip / Type S Seviye/Grade B
Alt Namlu / Lower Barrel	Karbon Çelik / Carbon Steel	A53 Tip / Type S Seviye/Grade B
Üst Mil / Upper Rod	Karbon Çelik / Carbon Steel	A53 Tip / Type S Seviye/Grade B
Alt Mil / Lower Rod	Karbon Çelik / Carbon Steel	A53 Tip / Type S Seviye/Grade B
Taban Flanşı / Base Flange	Dökme Demir / Cast Iron	A126 Sınıf / Class B
Kilitleme Cıvataları / Locking Bolts	Karbon Çelik / Carbon Steel	A307 Seviye/Grade B
Kilitleme Somunları / Locking Nuts	Karbon Çelik / Carbon Steel	A105
Kama Pimi / Cotter Pin	Paslanmaz Çelik / Stainless Steel	A276 Tip / Type 304
Vinç Kaplini / Crane Coupling	Karbon Çelik / Carbon Steel	A53 Tip / Type S Seviye/Grade B

ÖLÇÜ TABLOSU / DIMENSIONS



Ölçü Tablosu / Main Dimensions (mm/inch)						
Ölçü / Size	4	6	8	10	12	14
Turns to Open	13	20	26	33	39	45
H0	252/9.92	355/13.97	444/17.48	535/21.06	617/24.29	727/28.62

L=Gömülebilir Ayak Derinliği / L=Adjustable Bury Depth Range

L	A	B	C	D	E	F	G
Min.	459/18.25	915/36	1448/57	1981/78	2515/99	3048/120	3772/148.5
Max.	1003/39.5	1537/60.5	2070/81.5	2604/102.5	3173/123.5	3670/144.5	4267/168

Duvar Tipi Post İndikatörü / Adjustable Wall Indicator Post



TEKNİK ÖZELLİKLER / TECHNICAL SPECIFICATIONS

Korozyon Koruması / Corrosion Protection

- İç ve Dış Kaplama AWWA C550 Standardına Göre Sprey Boyama
Spray Painted Interior and Exterior meet or exceed ali applic able of
- AWWA C550 Standardı
AWWA C550 Standard.
- Ayak : Siyah Bitümen Kaplı.
Stand Barrel: Black Bitumen Coated.

Seçenekler / Options

- İç ve Dış Füzyon Bağlı Kaplama
Fusion Bonded Coating Interior and Exterior.
- Civata ve Somunlar Paslanmaz Çelik: A2-70 veya A4-70
Stainless Steel Fasteners: A2-70 or A4-70.
- Muhafaza Borusu
Sleeve Pipe

GENEL ÖZELLİKLER / GENERAL SPECIFICATIONS

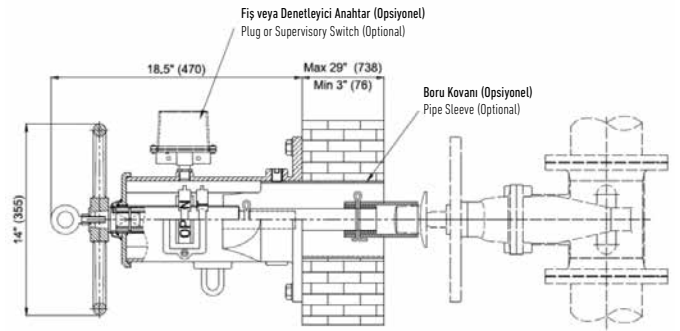
- 13 ila 45 dönüşe izin verilir.
- Kurumalı pencere.
- Teleskopik çalıştırma çubuğu.
- OPEN ve SHUT hedefleri kolayca ayarlanabilir gösterge.
- UL/ULC 789 listeli.
- GOST Sertifikalı.
- Vananın açık veya kapalı durumunu gösterir.
- NFPA 24 standardı gerekliliklerini karşılar.

- Target nut to allow 13 to 45 Turns.
- Protected Windows.
- Telescoping operating rod.
- Easily Adjustable Indicator OPEN and SHUT targets.
- UL/ULC 789 listed.
- GOST Certification
- Indicates the state of the valve OPEN or SHUT position.
- Meet or exceed the requirements of NFPA 24 standard.

MALZEME LİSTESİ / MATERIAL LIST

Parça Adı / Part Name	Malzeme / Material	ASTM Şartname ASTM Specification
Ana Boru / Post Head	Gri Dökme Demir / Gray Cast Iron	A126 Sınıf / Class B
İşletme anahtarı / Operating Wrench	Sfero Döküm / Ductile Iron	A536 Seviye/Grade 64-45-12
Tutma Halkası / Retaining Ring	Paslanmaz Çelik / Stainless Steel	A276 Tip / Type 304
Hava Kapağı / Weather Cap	Polietilen / Polyethylene	Standart / Commercial
Dişli Kol / Threaded Sleeve	Paslanmaz Çelik / Stainless Steel	A276 Tip / Type 304
Boru Tapası / Pipe Plug	Dövülebilir Demir / Malleable Iron	A47 Seviye/Grade 2201 0
Hava Kapağı / Target Plate	Alüminyum Alaşım / Aluminum Alloy	B26
Vida / Screw	Karbon Çelik / Carbon Steel	A105
Pencere / Windows	Plastik Cam / Plexiglass	Standart / Commercial
Conta / Gasket	Kauçuk / Rubber	D2000 NBR
Üst Mil / Upper Rod	Karbon Çelik / Carbon Steel	A53 Tip / Type S Seviye/Grade B
Alt Mil / Lower Rod	Karbon Çelik / Carbon Steel	A53 Tip / Type S Seviye/Grade B
Kama Pimi / Cotter Pin	Paslanmaz Çelik / Stainless Steel	A276 Tip / Type 304
Vinç Kaplini / Crane Coupling	Karbon Çelik / Carbon Steel	A53 Tip / Type S Seviye/Grade B

TEKNİK RESİM / TECHNICAL DRAWING



Akış Ölçer / Flow Meter



TEKNİK ÖZELLİKLER / TECHNICAL SPECIFICATIONS

Gövde / Body: Karbon Çelik / Carbon Steel

Venturi Tip / Venturi Type

Skala/Meters: 4" 12.5 - 10.000 GPM Ölçüm Aralığı / Measuring Range

Bağlantı / Connection: Yivli / Grooved

Ölçü/Size: DN80 - DN250

GENEL ÖZELLİKLER / GENERAL SPECIFICATIONS

Ölçü Datası

Konstrüksiyon: Alüminyum Gövde

Operasyon: Diyafram (Kauçuk)

Doğruluk: Tam Skalanın Yüzde 2'si

Sıcaklık: 180°F / 80°C

Basınç: 500 PSI - 3450 kPa Yaklaşık

Ağırlık: 3.75 Lbs (1.7 Kg)

4" Gösterge Standart - 6" Gösterge Opsiyonel

Meter Data

Construction: Aluminum Body

Operation: Diaphragm (Buna Convoluted)

Accuracy: + 2% Full Scale

Temperature: 180°F / 80°C

Pressure: 500 PSI - 3450 kPa Approx

Weight: 3.75 Lbs (1.7 Kg)

4" Dial Standard - 6" Dial Available

MALZEME LİSTESİ / MATERIAL LIST

Konstrüksiyon ve Özellikler

Materyal: İşlenmiş 1018 / 1026 Karbon Çelik veya Karbon Çelik Döküm "WCB"

Vanalar: 1/4 Pirinç Küresel Vana

Flaş Seçenekleri: 150# ANSIB 16.5 - 300# ANSI B 16.5

Hortum: Polikarbonat

Construction & Specifications

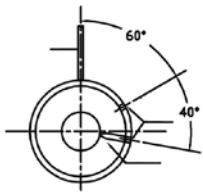
Materials: Machined 1018 / 1026 Carbon Steel or Cast Carbon Steel "Wcb"

Valves: 1/4" Brassball

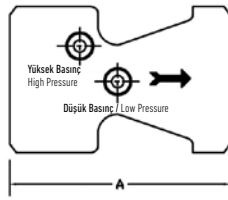
Flange Opt: 150# ANSIB 16.5 - 300# ANSI B 16.5

Idtag: Polycarbonate

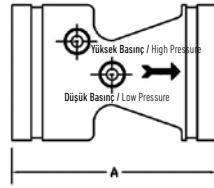
ÖLÇÜ TABLOSU / DIMENSIONS



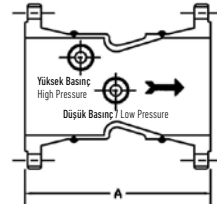
ALIN KAYNAK / YİVLİ
BUTT WELD / GROOVED



ALIN KAYNAK / BUTT WELD



YİVLİ / GROOVED



FLANŞLI / FLANGED

Ölçü / Size	Alın Kaynaklı ve Yivli / But Weld & Grooved		150# Flaşlı / Flanged		300# Flaşlı / Flanged	
	"A" DIM	Yaklaşık Ağırlık Approx. Weight	"A" DIM	Yaklaşık Ağırlık Approx. Weight	"A" DIM	Yaklaşık Ağırlık Approx. Weight
1-1/4"	4.875	2 lbs.	-	-	-	-
2"	5.000	3.5 lbs.	-	-	-	-
2-1/2"	4.000	5 lbs.	9.250	21 lbs.	10.000	28 lbs.
3"	4.000	6 lbs.	9.375	30 lbs.	10.250	36 lbs.
3-1/2"	-	-	-	-	-	-
4"	5.375	10 lbs.	11.375	40 lbs.	12.125	60 lbs.
5"	6.000	20 lbs.	13.000	58 lbs.	13.750	84 lbs.
6"	7.000	22 lbs.	14.000	70 lbs.	14.750	106 lbs.
8"	7.250	31 lbs.	15.250	93 lbs.	16.000	181 lbs.
10"	8.000	45 lbs.	16.000	149 lbs.	17.250	227 lbs.
12"	12.000	78 lbs.	21.000	238 lbs.	22.250	358 lbs.
14"	14.000	85 lbs.	-	-	-	-
16"	28.000	166 lbs.	-	-	-	-

Köşe Hortum Vanası / Angle Hose Valve



TEKNİK ÖZELLİKLER / TECHNICAL SPECIFICATIONS

Basınç Sınıfı / Pressure Rating: 300 PSI (20,6 bar)

GENEL ÖZELLİKLER / GENERAL SPECIFICATIONS

Dövme pirinç malzemeden köşe tip hortum vanaları, dikey boru sistemlerindeki ana kolonlarda su akışını kontrol etmek için kullanılır. Dişli veya yivli bağlantılı.

Forged brass angle pattern hose valves, with threaded or grooved connections, intended to control the flow of the water from the main risers in standpipe systems.

MALZEME LİSTESİ / MATERIAL LIST

Gövde: CuZn40Pb2 uygun, EN 12165 CW617N, CB753S
Avrupa Standartlarına uygun, ASTM B124 C37700 Amerikan standartlarına uygun pirinç döküm.

- Çubuk şeklindeki malzemenin akma gerilimi: 360 MPa
- Kalıcı bozukluk gerilimi: R(0.2) 138 MPa
- Uzama: %10

Klape: CuZn40Pb2 uygun, EN 12165 CW617N, Avrupa Standartlarına uygun, ASTM B124 C37700 Amerikan standartlarına uygun pirinç döküm.

Mil: Pirinç EN 12164 CW713R

Volan: Kırmızı boyalı alüminyum

Body: forged brass CuZn40Pb2 in accordance with European Standard EN 12165 CW617N, similar to American Standard ASTM B124 C37700

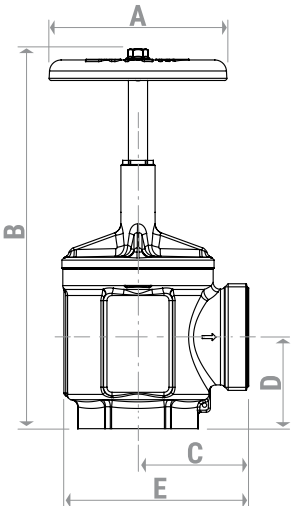
- Yield stress of the material in the shape of bar: 360 MPa
- Stress for permanent distortion R(0.2): 138 MPa
- Elongation: 10%

Clapper: forged brass CuZn40Pb2 in accordance with European Standard EN 12165 CW617N, similar to American Standard ASTM B124 C37700

Stem: brass EN 12164 CW713R

Handwheel: Red painted aluminum

ÖLÇÜ TABLOSU / DIMENSIONS



Ölçü / Size	A	B	C	D	E
1 1/2" x 1 1/2"	4 1/32"	7 19/32"	2 1/4"	1 7/8"	3 13/16"
2 1/2" x 2 1/2"	5 1/8"	10 19/32"	3 3/16"	2 5/8"	5 3/8"

İtfaiye Bağlantı Ağızı Düz/Tek Klapeli

Fire Department Connection/Straight/ Single Clapper



TEKNİK ÖZELLİKLER / TECHNICAL SPECIFICATIONS

Basınç Sınıfı / Pressure Rating: 300 PSI (20,6 bar)

GENEL ÖZELLİKLER / GENERAL SPECIFICATIONS

Açık itfaiye bağlantı ağızı çift yönlü giriş gövdesi, tek klapeli, hortum dişli döner bağlantılar. Düz tip NPT çıkış bağlantılı.. Ana özellikler aşağıdaki gibidir.

- Gövde pirinç döküm
- Klape dövme pirinç
- Döner bağlantı ağızları dövme pirinç
- 2 pimli boru dişli döner giriş ağızları
- 4" NPT çıkışı
- Basınç sınıfı: 300 PSI
- FM onaylı, UL listeli

Exposed Fire Department Inlet Connection, two way inlet body with singleback swing clapper and pin or rocker lug hose thread swivels; straight NPT outlet connection with main feature as following:

- Casted brass body
- Forged brass clapper
- Forged brass swivels
- 2 1/2" two pin or rocker lug hose thread swivel inlets
- 4" straight NPT outlet
- Rated pressure 300 psi
- FM approved, UL listed

MALZEME LİSTESİ / MATERIAL LIST

Gövde: CuZn37Pb2NiAlFe-B uygun, UNI EN1982-2000 CB753S Avrupa Standartlarına uygun, ASTM B30 C85700 Amerikan standart uygun pirinç döküm.

- Çubuk şeklindeki malzemenin çekme dayanımı: Minimum 300 MPa
- Kalıcı bozulma için gerilim: R (0.2): Minimum 150 MPa.
- Uzama: Minimum %15

Klape ve döner giriş bağlantıları: CuZn40Pb2 uygun, EN 12165 CW617N Avrupa standartlarına uygun, ASTM B124 C3770 Amerikan standartlarına uygun pirinç döküm.

- Çubuk şeklindeki malzemenin akma gerilimi: 360 MPa
- Kalıcı bozukluk gerilimi: R(0.2) 138 MPa
- Uzama: %10

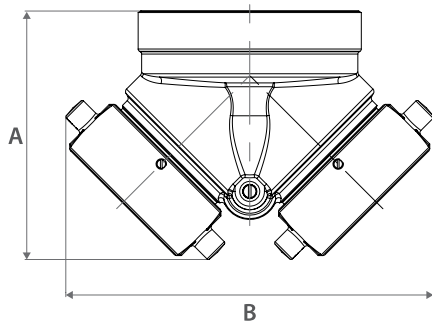
Body: casted brass CuZn37Pb2Ni1AlFe-B in accordance with European Standard UNI EN1982-2000 CB753S, corresponding to American Standard ASTM B30 C85700

- Tensile strength of the material in the shape of bar: min. 300 MPa
- Stress for permanent distortion R(0.2): min. 150 MPa
- Elongation: Min. 15%

Clapper and swivels: forged brass CuZn40Pb2 in accordance with European Standard EN 12165 CW617N, similar to American Standard ASTM B124 C37700

- Yield stress of the material in the shape of bar: 360 MPa
- Stress for permanent distortion R(0.2): 138 MPa
- Elongation: 10%

ÖLÇÜ TABLOSU / DIMENSIONS



Ölçü / Size	A	B
4" x 2 1/2"	5 33/64"	8 5/64"

Basınç Kısıtlayıcı Köşe Hortum Vanası Pressure Restricting Angle Hose Valve



TEKNİK ÖZELLİKLER / TECHNICAL SPECIFICATIONS

Vanalar sadece aşağıdaki koşullar altında bir dizi çıkış basıncı ayarlama yeteneğine sahiptir. Yangın koruma dikey boru sistemlerinde 300 PSI'ye kadar maksimum çalışma basıncı hortum bağlantıları için kullanılır.

The valves are capable of adjustment to provide a range of the outlet pressures under flowing condition only. For Hose Connections to be used on fire protection standpipe system with maximum working pressure up to 300 PSI.

GENEL ÖZELLİKLER / GENERAL SPECIFICATIONS

Köşe tip basınç kısıtlayıcı hortum vanaları, ayarlanabilir akış kısıtlamasına sahiptir. 1 1/2" NPT iç dişli, 1 1/2" dış dişli (hortum dişi) ve kırmızı boyalı alüminyum volana sahiptir. Basınç sınıfı 175 PSI.

Angle pressure restricting valves for water pressure control by adjustable flow restriction; forged brass body with 1 1/2" female NPT - 1 1/2" male hose thread and red painted aluminum, handwheel. Rated pressure 175 PSI.

MALZEME LİSTESİ / MATERIAL LIST

Gövde: CuZn40Pb2 EN 12165 CW617N Avrupa standartlarına uygun, ASTM B124 C37700 Amerikan standartlarına uygun dövme pirinç

- Çubuk şeklindeki malzemenin akma gerilimi: 360 MPa
- Kalıcı bozulma için gerilim: R (0.2): 138 MPa
- Uzama: %10

Kapak: CuZn40Pb2 EN 12165 CW617N Avrupa standartlarına uygun, ASTM B124 C37700 Amerikan standartlarına uygun dövme pirinç.

Mil: EN 12164 CW614N benzer Amerikan standartlarında pirinç.

Volan: Kırmızı boyalı alüminyum.

Body: forged brass CuZn40Pb2 in accordance with European Standard EN 12165 CW617N, similar to American Standard ASTM B124 C37700

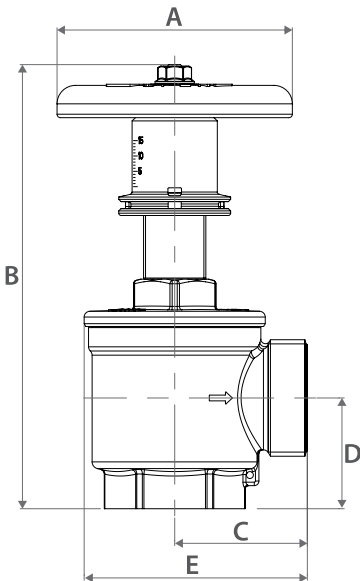
- Yield stress of the material in the shape of bar: 360 MPa
- Stress for permanent distortion R(0.2): 138 MPa
- Elongation: 10%

Bonnet: forged brass CuZn40Pb2 in accordance with European Standard EN 12165 CW617N, similar to American Standard ASTM B124 C37700

Stem: Brass EN 12164 CW614N similar to American Standard ASTM B124 C37700

Handwheel: Red painted aluminum

ÖLÇÜ TABLOSU / DIMENSIONS



Ölçü / Size	A	B	C	D
1 1/2"	4 1/32"	7 19/32"	2 1/4"	1 7/8"
2 1/2"	5 1/8"	10 19/32"	3"	2 5/8"

KURULUM / INSTALLATION

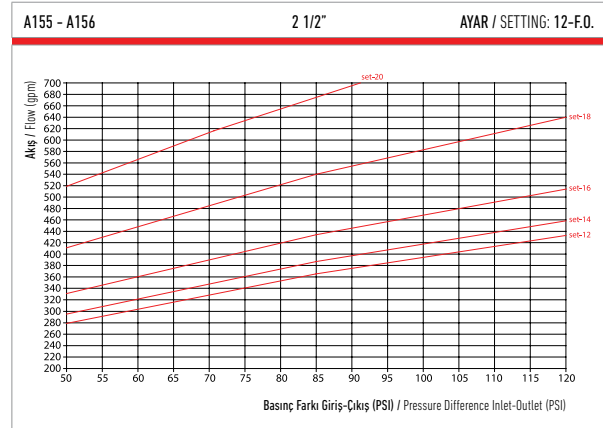
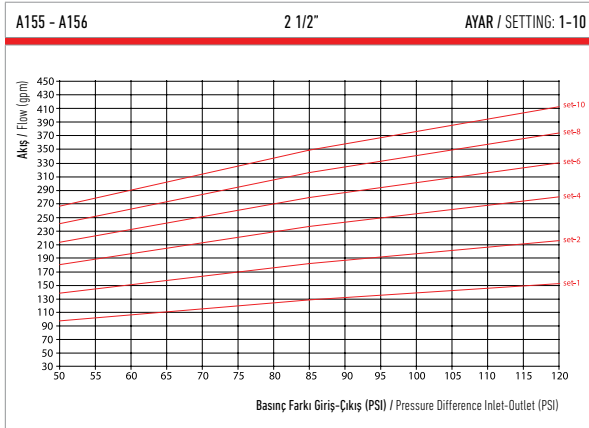
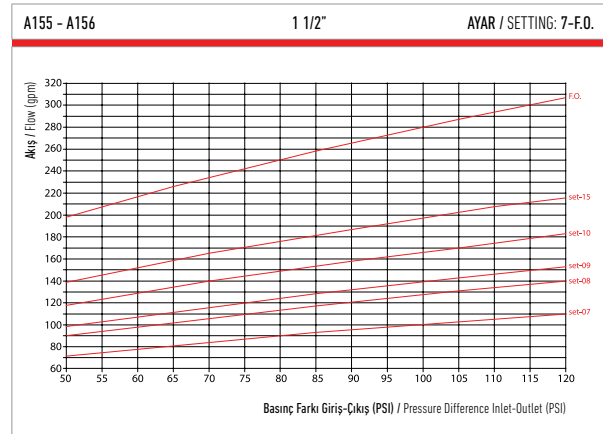
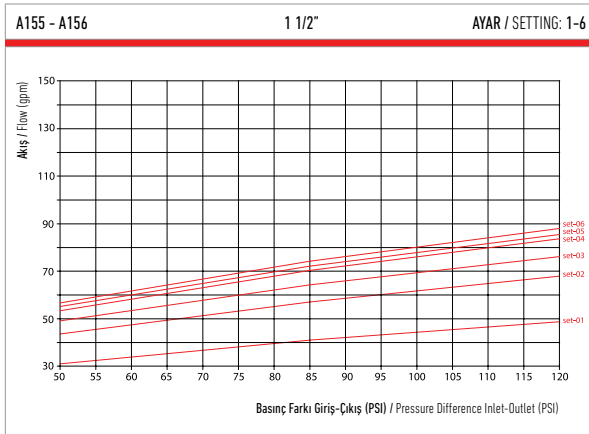
- 1- Vananın her iki ucuna boru rakorları veya kauçuk contalı fittingsler kullanılmalıdır.
- 2- Vanayı boru hattına bağlayın.
- 3- Grafikten, uygun ayar numarasını seçin.
- 4- Vanayı elle sıkıca kapatın.
- 5- Üst yakadaki ayar vidasını çıkarın
- 6- Üst yakada seçilen ayara ulaşana kadar, gösterge kafasını çevirin.
- 7- Üst yakadaki ayar vidasını sıkın. Vana şimdi ayarlanmıştır.
- 8- Basınç kısıtlamasını geçersiz kılmak için, yaylı klipsi çekin.
- 9- Bu vanalar, Class 3 Standpipe sistemlerine göre kullanılmak için tasarlanmıştır.
- 10- Vananın giriş ve çıkışında boru rakorları veya kauçuk contalı fittingsler kullanılmalıdır.
- 11- Vanalar amaçlandığı gibi çalışmazsa, yenileriyle değiştirmek gerekir.

Vanalar, NPT dişli boru hattına aşağıdaki ekipmanları kullanarak, bağlanmalıdır. Gövdenin alt kısmındaki altıgene uygun anahtar kullanılmalıdır. Montaj sırasında, kapağı ve diğer vana kısımlarını zedelememeye dikkat edilmelidir. Volan, saat yönünün tersine çevrildiğinde vana açılır, saat yönüne çevrildiğinde vana kapanır. Montajdan sonra vana sızdırmazlık ve basınç testi yapılmalıdır.

- 1- Pipe unions or rubber-gasketed fittings are to be installed immediately upstream and downstream of the valve to permit easy replacement.
- 2- Connect the valve to the piping.
- 3- Select setting number from proper graph.
- 4- Close valve hand-tight.
- 5- Loosen set screw in collar.
- 6- Rotate indicator-cap untill top collar reaches selected setting number.
- 7- Tighten set screw in collar. Valve is now set.
- 8- To override pressure restriction, pull spring clip. See Fig.1.
- 9- These valves are intended for use in Class III Standpipe systems.
- 10- Pipe unions or rubber-gasketed fittings are to be installed immediately upstream of the valve to permit easy replacement.
- 11- If the valve fail to perform as intended, the valve would need to be replaced.

The valves must be installed on threaded end NPT pipe line using appropriate tools through the hexagon at the bottom of the body. During the installation pay attention not to deform the bonnet or other valve parts, as this could compromise the valve functioning. By turning the handle counterclockwise, the valve opens and it closes by turning the handle clockwise. After installation, verify the tightness through a pressure test.

AKIŞ KARAKTERİSTİĞİ / FLOW CHARACTERISTIC



İtfaiye Bağlantı Ağız / Düz / İki Ağızlı Klapeli Exposed Fire Dept. Inlet Clapper Connections



TEKNİK ÖZELLİKLER / TECHNICAL SPECIFICATIONS

Basınç Sınıfı / Pressure Rating: 300 PSI (20,6 bar)

GENEL ÖZELLİKLER / GENERAL SPECIFICATIONS

Yangından korunma su teminini desteklemek için. 500 GPM giriş kapasiteli (2 yollu) veya 750 GPM giriş kapasiteli (3 yollu). Açık yardımcı itfaiye bağlantı ağız. Çalpara klappe ile tam su yolu sağlar.

Exposed auxiliary inlet connections with 500 GPM. inlet capacity (two way) or 750 GPM. inlet capacity (three way) to supplement fire protection water supply. Swing clapper provides full waterway.

MALZEME LİSTESİ / MATERIAL LIST

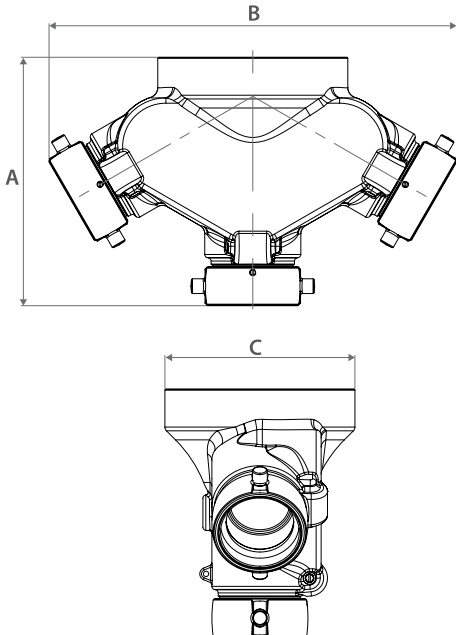
Gövde: UNI EN1982-2000 CB753S'e uygun, Avrupa standartlarında CuZn37PbNi1AlFe-B, ASTM B30 C85700 Amerikan standartlarına uygun pirinç döküm.

- **Çubuk şeklindeki malzemenin çekme dayanımı:** dk. 300 MPa
- **Kalıcı bozulma için gerilim:** Minimum 300 MPa
- **Uzama:** Min. %15

Body: casted brass CuZn37Pb2Ni1AlFe-B in accordance with European Standard UNI EN1982-2000 CB753S, corresponding to American Standard ASTM B30 C85700

- **Tensile strength of the material in the shape of bar:** min. 300 MPa
- **Stress for permanent distortion R(0.2):** min. 150 MPa
- **Elongation:** Min. 15%

ÖLÇÜ TABLOSU / DIMENSIONS



Ölçü / Size	A	B
4" x 2 1/2"	7 9/32"	11 21/32"
4" x 3"	8 1/32"	12 27/32"
6" x 2 1/2"	8 5/32"	11 21/32"
6" x 3"	8 23/32"	12 7/8"

GENEL ÖZELLİKLER / GENERAL SPECIFICATIONS

A105 – İki yönlü 4" x 2 1/2"

Açık İtfaiye Bağlantı Ağızı Klape Tipi 2 adet iç dişli döner girişlere ve iç dişli NPT çıkışa sahiptir. Ana özellikler aşağıdaki gibidir:

- Pirinç döküm
- Markalama tipleri: AUTO-SPKR, STANDPIPE, PLAIN
- 4" iç dişli NPT çıkış
- 2-1/2" 2 adet hortum dişli döner tip girişli
- Minimum giriş kapasitesi: 500 GPM
- Basınç sınıfı: 175 psi
- UL ULC listeli

A105 – İki yönlü 4" x 3"

Açık İtfaiye Bağlantı Ağızı Klape Tipi 2 adet iç dişli döner girişlere ve iç dişli NPT çıkışa sahiptir. Ana özellikler aşağıdaki gibidir:

- Pirinç döküm
- Markalama tipleri: AUTO-SPKR, STANDPIPE, PLAIN
- 4" iç dişli NPT çıkış
- 3" 2 adet hortum dişli döner tip girişli
- Minimum giriş kapasitesi: 500 GPM
- Basınç sınıfı: 300 psi
- UL ULC listeli

A105 – İki yönlü 6" x 2 1/2"

Açık İtfaiye Bağlantı Ağızı Klape Tipi 2 adet iç dişli döner girişlere ve iç dişli NPT çıkışa sahiptir. Ana özellikler aşağıdaki gibidir:

- Pirinç döküm
- Markalama tipleri: AUTO-SPKR, STANDPIPE, PLAIN
- 6" iç dişli NPT çıkış
- 2-1/2" 2 adet hortum dişli döner tip girişli
- Minimum giriş kapasitesi: 500 GPM
- Basınç sınıfı: 175 psi
- UL ULC listeli

A105 – İki yönlü 6" x 3"

Açık İtfaiye Bağlantı Ağızı Klape Tipi 2 adet iç dişli döner girişlere ve iç dişli NPT çıkışa sahiptir. Ana özellikler aşağıdaki gibidir:

- Pirinç döküm
- Markalama tipleri: AUTO-SPKR, STANDPIPE, PLAIN
- 6" iç dişli NPT çıkış
- 3" 2 adet hortum dişli döner tip girişli
- Minimum giriş kapasitesi: 500 GPM
- Basınç sınıfı: 300 psi
- UL ULC listeli

A105 – Two way 4" x 2 1/2"

Exposed Fire Department Inlet Connection, clapper type, two female hose threaded swivel inlets and female NPT outlet, back connection, with main feature as following:

- Casted brass
- Branding types: AUTO-SPKR, STANDPIPE, PLAIN
- 4" female NPT outlet
- 2-1/2" double female hose thread swivel inlets
- Minimum inlet capacity 500 GPM
- Rated pressure 175 psi
- UL ULC listed

A105 – Two way 4" x 3"

Exposed Fire Department Inlet Connection, clapper type, two female hose threaded swivel inlets and female NPT outlet, back connection, with main feature as following:

- Casted brass
- Branding types: AUTO-SPKR, STANDPIPE, PLAIN
- 4" female NPT outlet
- 3" double female hose thread swivel inlets
- Minimum inlet capacity 500 GPM
- Rated pressure 300 psi
- UL listed

A105 – Two way 6" x 2 1/2"

Exposed Fire Department Inlet Connection, clapper type, two female hose threaded swivel inlets and female NPT outlet, back connection, with main feature as following:

- Casted brass
- Branding types: AUTO-SPKR, STANDPIPE, PLAIN
- 6" female NPT outlet
- 2-1/2" double female hose thread swivel inlets
- Minimum inlet capacity 500 GPM
- Rated pressure 175 psi
- UL listed

A105 – Two way 6" x 3"

Exposed Fire Department Inlet Connection, clapper type, two female hose threaded swivel inlets and female NPT outlet, back connection, with main feature as following:

- Casted brass
- Branding types: AUTO-SPKR, STANDPIPE, PLAIN
- 6" female NPT outlet
- 3" double female hose thread swivel inlets
- Minimum inlet capacity 500 GPM
- Rated pressure 300 psi
- UL listed

Test ve Drenaj Vanası

Test and Drain Valve



YİVLİ / GROOVED

DİŞLİ / FEMALE



TEKNİK ÖZELLİKLER / TECHNICAL SPECIFICATIONS

Basınç Sınıfı / Pressure Rating: 300 psi

Gövde / Body: Pirinç / Brass

Kol / Lever: Karbon Çelik / Carbon Steel

Orifis / Orifice: 1/2" 3/8" - 7/16" - 17/32" - 5/8" - 3/4" - 15/16" - 15/65" - 19/64"

GENEL ÖZELLİKLER / GENERAL SPECIFICATIONS

Test ve drenaj vanaları, NFBE-13', NFPA-13D de, gerekliliklerine uygun olarak sulu sprinkler sistemlerinde test ve drenaj fonksiyonlarını yerine getirilir. UL listeli ve FM onaylıdır.

Temel özellikler:

- Rp, EN 10226 dişli 1" - 1 1/4" - 1 1/2" - 2"
- Dişli 1" - 1 1/4" - 1 1/2" - 2"
- Yivli bağlantılı 1 1/4" - 2"
- Gövde dövme çelik
- Krom kaplı pirinç küre

Test and drain valve for sprinkler systems combines the functions of test and drain for wet sprinkler systems. complies with the requirements of NFPA-13, NFPA-13R and NFPA-13D and is FM approved and UL listed.

Main feature as following:

- Rp, EN 10226 threads 1" - 1 1/4" - 1 1/2" - 2"
- NPT threads 1" - 1 1/4" - 1 1/2" - 2"
- Groove connections 1 1/4" - 2"
- Forged brass body
- Chrome plated brass ball

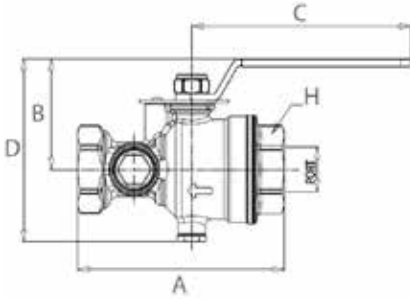
MALZEME LİSTESİ / MATERIAL LIST

- Gövde dövme pirinç
- Küre krom kaplı
- Karbon çelik
- Vana siti, PTFE
- Gösterge disk, pirinç
- Gözetleme camı polikarbonat
- Forged brass body
- Chrome plated ball
- Steel handle
- Valve seat in PTFE
- Indication disk in brass
- Sight glasses in polycarbonate

VERSİYONLAR VE ÜRÜN KODLARI / VERSIONS AND PRODUCT CODES

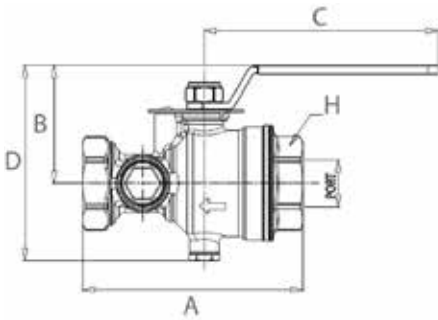
Seriler / Series	Ölçü / Size	Tip / Type
A61	1"	Rp, EN 10226 (F) x Rp, EN 10226 (F)
	1 1/4"	
	1 1/2"	
	2"	
	1"	Rp, EN 10226 (F) x Rp, EN 10226 (F)
	1 1/4"	
	1 1/2"	
	2"	
	1 1/4"	Yivli x Yivli / Grooved x Grooved
	2"	

ÖLÇÜ TABLOSU / DIMENSIONS



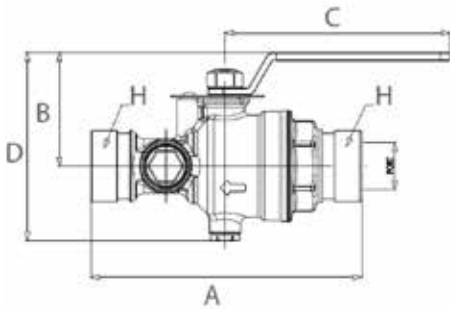
A61 - DİŞLİ/FEMALE Rp x DİŞLİ Rp

Ölçü / Size	C (Tapa / Plug)	Geçiş / Port	A	B	C	D	H
1"	1/4"	1 1/16"	5 1/18"	2 43/64"	5 11/32"	4 27/64"	1 57/64"
1 1/4"	1/4"	1 1/16"	5 7/16"	2 43/64"	5 11/32"	4 27/64"	1 57/64"
1 1/2"	1/4"	1 18/32"	6 3/16"	4"	6 26/32"	6 21/64"	2 40/64"
2"	1/4"	1 12/16"	6 21/32"	4"	6 26/32"	6 21/64"	2 40/64"



A61 - DİŞLİ/FEMALE NPT x DİŞLİ/FEMALE NPT

Ölçü / Size	C (Tapa / Plug)	Geçiş / Port	A	B	C	D	H
1"	1/4"	1 1/16"	5 1/32"	2 43/64"	5 11/32"	4 27/64"	1 57/64"
1 1/4"	1/4"	1 1/16"	5 1/32"	2 43/64"	5 11/32"	4 27/64"	1 57/64"
1 1/2"	1/4"	1 18/32"	6 6/32"	4"	6 26/32"	6 21/64"	2 40/64"
2"	1/4"	1 12/16"	6 6/32"	4"	6 26/32"	6 21/64"	2 40/64"



A61 - YİVLİ/GROOVED x YİVLİ/ GROOVED

Ölçü / Size	C (Tapa / Plug)	Geçiş / Port	A	B	C	D	H
1"	1/4"	1 1/16"	6 13/32"	2 43/64"	5 11/32"	4 27/64"	1 1/4" YİVLİ / GROOVE
2"	1/4"	1 12/16"	7 17/32"	4"	6 26/32"	6 21/64"	2" YİVLİ / GROOVE



ANAHTARLAR SWITCHES

Akış Anahtarı / Waterflow Detector



TEKNİK ÖZELLİKLER / TECHNICAL SPECIFICATIONS

Basınç Sınıfı / Pressure Rating: 450 psi**Gövde / Saddle:** Sfero Döküm / Ductile Iron**Kapak / Cover:** Alüminyum Alaşım / Aluminium Alloy**Geciktirme Özelliği / Retard Feature:** Paletli Tip / Vane Type**Ölçü / Size:** DN50-DN200

GENEL ÖZELLİKLER / GENERAL SPECIFICATIONS

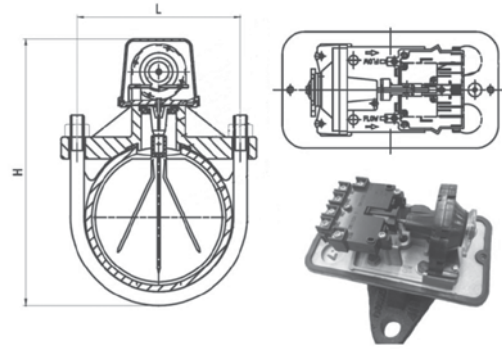
Su Akış anahtarları, siprinks sistemlerinde su taşıyan borulara monte edilir. Sch10'dan Sch40'a kadar olan ve DN 50'den DN 200 inç ölçülerindeki çelik borularda kullanılır. Akış anahtarlarının boyutları için tablo 1'e bakınız. Borudaki su akışı, genellikle belirli bir gecikme süresinden sonra, bir kanadı iterek, anahtarı tetikler. Bütün su akış anahtarları pnömatik olarak kontrol edilen mekanik geciktirme mekanizmasına sahiptir. Tüm gecikme süresi dolmadan su akışı durursa gecikmeler sıfırlanır. Bütün anahtarlar su akış hızı dakika. Su akış hızı dakikada 10 galon veya daha fazla olduğunda tüm anahtarlar etkinleşir, ancak hız dakikada 4 galondan az olduğunda, anahtar etkin hale gelmez.

Water flow detectors are mounted to water-filled pipes in sprinkler systems. It is used on steel pipe, schedules 10 through 40, sizes 50mm thru 200mm (2" thru 8"). See Table 1 for detectors sizes. Water flow in the pipe deflects a vane, which triggers a switch usually after a specified delay period. All water flow detectors have a pneumatically controlled mechanical delay mechanism. Delays reset if the flow of water stops before the entire delay has elapsed. All switches are actuate when the water flow rate is 10 gallons per minute or greater, but will not actuate if the rate is less than 4gallons per minute.

MALZEME LİSTESİ / MATERIAL LIST

Parça Adı / Part Name	Malzeme / Material
Gövde / Saddle	Sfero Döküm / Ductile Iron, A536 65-45-12
Kavrayıcı / Holder	SS304+EPDM
Plaka / Plate	Alüminyum Alaşım / Aluminium Alloy
Kapak / Cover	Plastik / Plastic
Kanat / Paddle	Plastik / Plastic
Mikroanahtar / Microswitch	Alüminyum Alaşım / Aluminium Alloy
Conta / Gasket	EPDM
Geciktirme Mekanizması / Retarding Device	Plastik / Plastic
Terminal Kutusu / Terminal Box	Plastik / Plastic

TEKNİK RESİM / TECHNICAL DRAWING



ÖLÇÜ TABLOSU / DIMENSIONS

Ölçü / Size	2	2,5	3	4	5	6	8
W	84/3.3 1	92 / 3.62	1 04 / 4.09	133 / 5.24	160 / 6.30	187 / 7.36	239 / 9.41
H	190 / 7.48	200 / 7.87	220 / 8.66	245 / 9.65	270 / 10.63	300 / 11.8	3 50 / 13.78
Nominal Boru Ölçüsü Nominal Pipe Size OD.	60.3 / 2.37	73 / 2.87	88.9 / 3.50	114.3 / 4.50	141.3 / 5.56	168.3 / 6.63	219.1 / 8.63
Boru Et Kalınlığı Pipe Wall Thickness	2.77 - 3.91 0.11 - 0.15	3.05 - 5.16 0.12 - 0.20	3.05 - 5.49 0.12 - 0.22	3.05 - 6.02 0.12 - 0.24	3.40 - 6.55 0.13-0.26	3.40 / 7.11 0.13 / 0.28	3.76 - 8.18 0.15 - 0.32

OSY-2 İzleme Anahtarı / Supervisory Switch



TEKNİK ÖZELLİKLER / TECHNICAL SPECIFICATIONS

Model: WOSY

Kapak / Enclosure Cover: Alüminyum Döküm: Kırmızı Toz Boya
Kaplı Döküm / Die Cast Finish: Red Powder Coat

Gövde / Base: Alüminyum Döküm/ Die Cast

- Bütün parçaları korozyona dayanımlı şekilde kaplanmış döküm
All parts have corrosion resistant finishes

Kapak/ Cover Tamper: Tamper Dayanımlı Vidalar / Tamper Resistant Screws

Opsiyonel Kapak / Optional Cover: Tamper Anahtar Uygulanabilir,
125/250 VAC 3 Amper / 5 Amper / Tamper Switch Available
3Amps / 5 Amps at 125/250VAC

Kontak Sınıfı / Contact Ratings:

- WOSY-1: 1 Set SPDT / One Set of SPDT
- WOSY-2: 2 Set SPDT / Two Sets of SPDT
- WOSY-3: 2 Set SPDT ve Kapak Tamper Anahtarı / Two Sets of SPDT and Cover Tamper Switch
- 125/250 VAC 10 Amper / 10 Amps at 125/250 VAC
- 30 VDC dirençte 2.5 Amper / 2.5 Amps at 30VDC Resistive

Çevresel Sınırlamalar / Environmental Limitations:

- Açık ve kapalı ortamlarda -40° ila 60° arasında işletme sıcaklığı / -40°C to 60°C operating temperature range indoor or outdoor sse
- IP 67

Kablo Girişi / Conduit Entrances: 1/2 inç kablo girişi / One knockouts and one hole for 1/2" conduit provided

Kullanım / Service Use: NFPA 13, 13D, 13R, 72"

GENEL ÖZELLİKLER / GENERAL SPECIFICATIONS

WOSY, bir OSY'nin açık konumunu izlemek için kullanılır. (dış vida ve boyunduruk) tip sürgülü vana. Bu anahtarlar, 2" ila 24" (50 mm ila 600 mm) arasında değişen çoğu OSY valfine uygun şekilde monte edilir. Kapak, çıkarılması için özel bir alet gerektiren, kurcalamaya karşı dayanıklı iki vidayla yerinde tutulur. Alet, her cihazla donatılmıştır.

- Tüm parçalar korozyona dayanıklı kaplamalara sahiptir
- İki kanal girişi
- Ayarlanabilir uzunluk trip çubuğu
- Üç konumlu anahtar kurcalamayı ve valf kapanmasını algılar
- Hızlı, kolay kurulum için ince ayar özelliği
- Bir veya iki SPDT kontak modeli (-1, -2, -3)

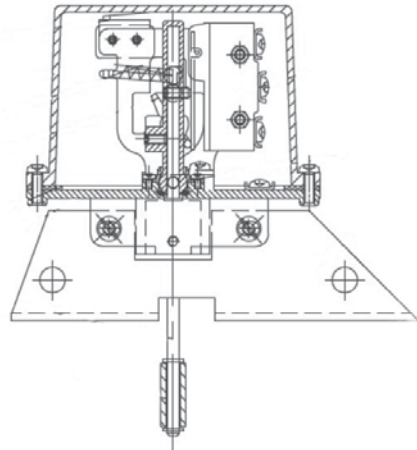
The WOSY is used to monitor the open position of an OSY(outside screw and yoke) type gate valve. These switches mount conveniently to most OSY valves ranging in size from 2" to 24" (50mm to 600mm). The cover is held in place by two tamper resistant screws that require a special tool to remove. The tool is furnished with each device.

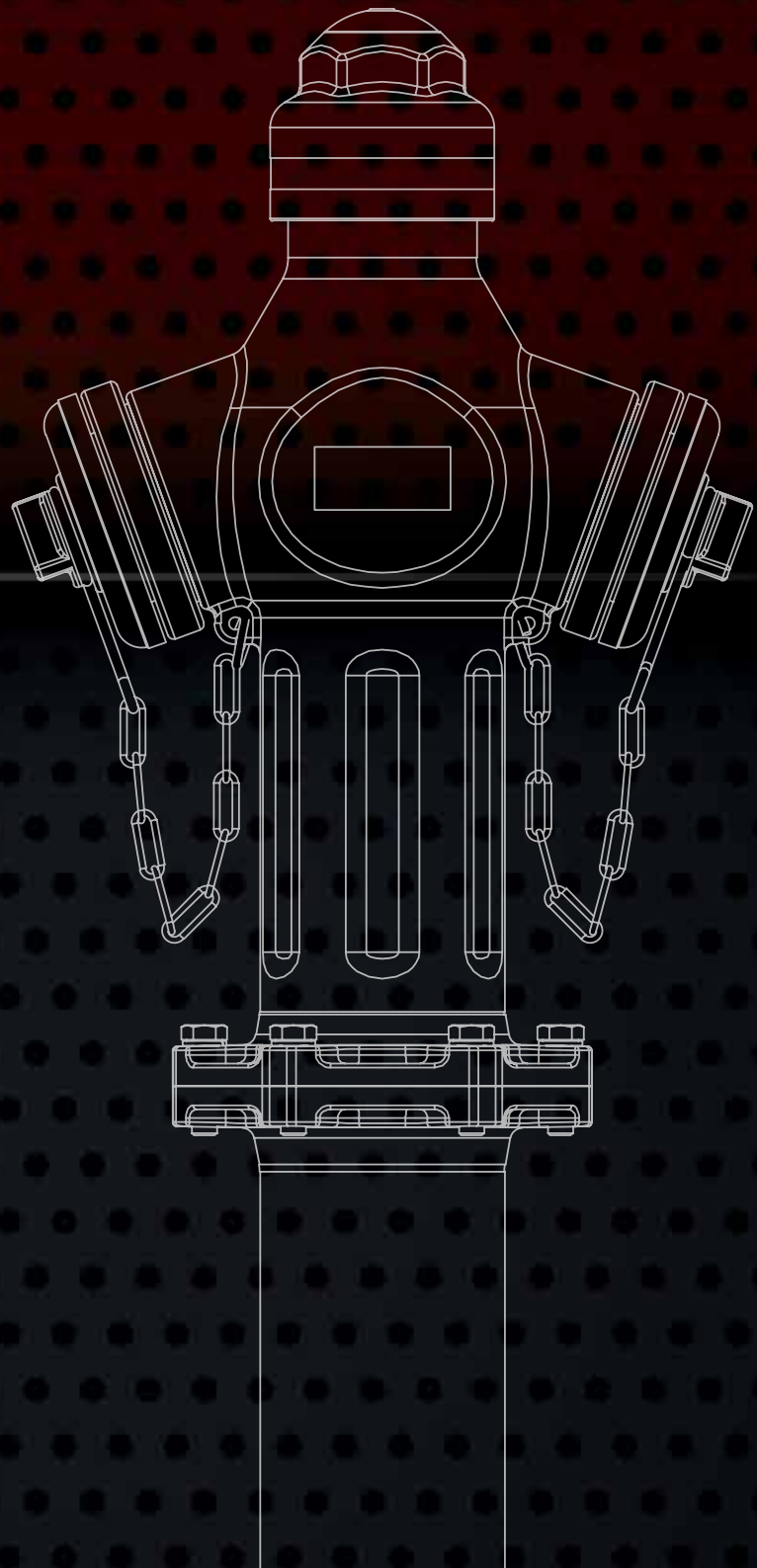
- All parts have corrosion resistant finishes
- Two conduit entrances
- Adjustable length trip rod
- Three position switch detects tampering and valve closure
- Fine adjustment feature for fast, easy installation
- One or two SPDT contact models (-1, -2, -3)

MALZEME LİSTESİ / MATERIAL LIST

Parça Adı / Part Name	Malzeme / Material
Kapak / Cover	Aluminium Alloy
Çerçeve / Frame	Karbon Çelik / Carbon Steel, Çinko Kaplı Zine Plate
Limitleyici / Limit Striker	Polikarbonat / Polycarbonate
Conta / Gasket	EPDM
Rod	SS 304
Plaka / Plate	Alüminyum Alaşım / Aluminium Alloy
Döner Boru / Trundle	SS 304
Braket / Bracket	Karbon Çelik / Carbon Steel, Çinko Kaplı Zine Plate
Sabit Blok / Fix Block	Polikarbonat / Polycarbonate
Anahtar / Switch	Model: LZ15-GW4-B
Kapak Tamper Anahtarı / Cover Tamper Switch	Model: KW1-2 With 2 Leads

TEKNİK RESİM / TECHNICAL DRAWING





YANGIN HİDRANTI

FIRE HYDRANT

FRH-0101

uni
val

Yer Üstü Yangın Hidrantı / Fire Hydrant



TEKNİK ÖZELLİKLER / TECHNICAL SPECIFICATIONS

Basınç Sınıfı / Pressure Rating: PN16
Gövde / Body: Dökme Demir / Cast Iron
Mil / Pipe: Karbon Çelik / Carbon Steel
Ölçü / Size: DN100

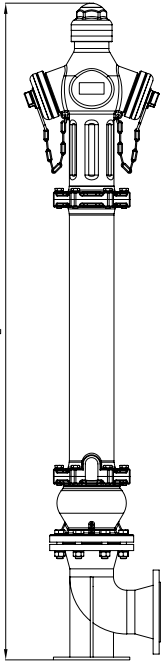
GENEL ÖZELLİKLER / GENERAL SPECIFICATIONS

Basınç Sınıfı / Pressure Rating: PN16
Maks. Çalışma Sıcaklığı / Max. Working Temperature.: 90°C

MALZEME LİSTESİ / MATERIAL LIST

Parça Adı / Part Name	Malzeme / Material
Gövde / Body	Dökme demir / Cast Iron
Klape / Disc	Dökme demir / Cast Iron
Sit / Seat	Pirinç / Brass
Rot / Rot	Karbon Çelik / Carbon Steel
Mil Kafası / Stem Cap	Dökme demir / Cast Iron
Mil Kılavuzu / Guide Stem	Paslanmaz Çelik / Stainless Steel

ÖLÇÜ TABLOSU / DIMENSIONS



ÜRÜN KODU PRODUCT CODE	DN	L
0101X100	100	1700 mm

Kuru Tip Yangın Hidrantı / Dry-Barrel Fire Hydrant



TEKNİK ÖZELLİKLER / TECHNICAL SPECIFICATIONS

Korozyon Koruması / Corrosion Protection: İçi ve dışı AWW C550 standardına göre füzyon bağlı epoksi kaplı. / *Fusion Bonded Epoxy Coated Interior and Exterior to AWW C550 Standard.*

Opsiyonlar / Option:

- Mevcut Monitör Stili
- Monitör Flanşı / *Monitor Flange:* ASTM B16. 1 Class 125, Size 4" or 3"
- Flanş Taban Dirseği / *Flange Base Elbow*
- Çoklu Nozul Yapılandırılmaları / *Multiple Nozzle Configurations*

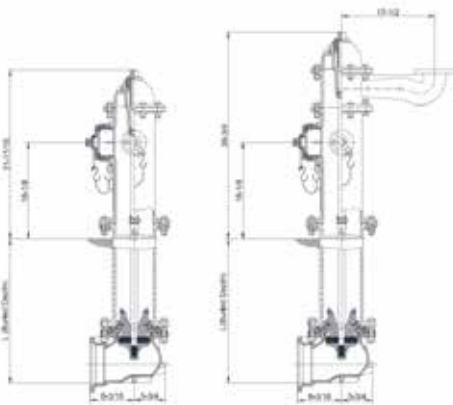
GENEL ÖZELLİKLER / GENERAL SPECIFICATIONS

- AWWA C502 Standardının Gereksinimlerini Karşılar
- NFPA 1963 Nozul Dişleri Standardına göre.
- Trafikte ve çarpma olaylarına karşı dubleks paslanmaz çelik emniyet mili.
- Mükemmel Akış Özellikleri
- Çoklu Nozul Konfigürasyonları
- Mekanik Bağlantı Dirseği
- O-ring Contalı Yağ Haznesi ile Kuru Üst Tasarım
- Donmaya karşı çift otomatik boşaltma vanası
- UL246 Listeli ve FM 1510 Onaylı
- Nominal çalışma basıncı 250 psi
- *Meet or Exceed the Requirements of AWWA C502 Standard*
- *NFPA 1963 Nozzle Threads.*
- *Traffic Feature with Duplex Stainless Steel Safety Stem Coupling*
- *Excellent Flow Characteristics.*
- *Multiple Nozzle Configurations.*
- *Mechanical Joint Base Elbow.*
- *Dry Top Design with O-ring Sealed Oil Reservoir.*
- *Dual Auto-frost Bronze Drain Valves as Standard.*
- *UL246 Listed and FM 1510 Approved.*
- *Rated Working Pressure 250 psi*

MALZEME LİSTESİ / MATERIAL LIST

Parça Adı / Part Name	Malzeme / Material	ASTM Şartname / Specification
Operasyon Somunu / Operating Nut	Bronz / Bronze	B62 C83600
Baskı Somunu / Hold Down Nut	Bronz / Bronze	B62 C83600
Kapak / Bonnet	Dökme Demir / Gray Cast Iron	A126 Sınıf / Class B
Kapak Cıvataları ve Somunları / Bonnet Bolts and Nuts	Karbon Çelik / Carbon Steel	A307 Seviye / Grade B
Kapak Contası / Bonnet Gasket	Kauçuk / Rubber	D2000 NBR
Nozul / Nozzle	Bronz / Bronze	B62 C83600
Nozul Kapağı / Nozzle Cap	Dökme Demir / Gray Cast Iron	A126 Sınıf / Class B
Nozul Contası / Nozzle Gasket	Kauçuk / Rubber	D2000 NBR
Nozul Ringi / Nozzle O-Ring	Kauçuk / Rubber	D2000 NBR
Kapak Zinciri / Cap Chain	Karbon Çelik / Carbon Steel	A105
Üst Boru / Standpipe Upper	Sfero Döküm / Ductile Iron	A536 Seviye / Grade 65-45-12
Emniyet Kaplini / Safety Coupling	Duplex Paslanmaz Çelik / Duplex Stainless Steel	A890 J92205
Kama Pimi / Cotter Pin	Paslanmaz Çelik / Stainless Steel	A276 Tip / Type 304
Çatal Pimi / Clevis Pin	Paslanmaz Çelik / Stainless Steel	A276 Tip / Type 304
Emniyet Flanşı / Safety Flange	Dökme Demir / Gray Cast Iron	A126 Sınıf / Class B
Flanş Cıvataları ve Somunları / Flange Bolts and Nuts	Karbon Çelik / Carbon Steel	A307 Seviye / Grade B
Alt Boru / Standpipe Lower	Sfero Döküm / Ductile Iron	A536 Seviye / Grade 65-45-12
Üst Mil / Upper Rod	Karbon Çelik / Carbon Steel	A576 Seviye / Grade B
Alt Mil / Lower Rod	Karbon Çelik / Carbon Steel	A576 Seviye / Grade B
Vana Süt Plakası / Valve Top Plate	Bronz / Bronze	B62 C83600
Drenaj Vana Kaplaması / Drain Valve Facing	Plastik / Plastic	
Sit Ringi / Seat Ring	Bronz / Bronze	B62 C83600
Drenaj Ringi / Drain Ring	Bronz / Bronze	B62 C83600

ÖLÇÜ TABLOSU / DIMENSIONS



Tip Numarası / Type Number	Hortum Çıkışı / Hose Outlet	Pompa Nozul Tipi / Pumper Nozzle Style	İzleme / Monitor	Çıkış Ağız Sayısı / Way
UV0733-250	-2HOP	2 x 2.5"	N/A	2
	-2HOPM	2 x 2.5"	N/A	2
	-2H1P	2 x 2.5"	1 x 4" or 4.5" Nozul / Nozzle, or 5" Storz	3
	-2H1 PM	2 x 2.5"	1 x 4" or 4.5" Nozul / Nozzle, or 5" Storz	3
	-3H1P	3 x 2.5"	1 x 4" or 4.5" Nozul / Nozzle, or 5" Storz	4
	-3H1 PM	3 x 2.5"	1 x 4" or 4.5" Nozul / Nozzle, or 5" Storz	4
	-4HOP	4 x 2.5"	N/A	4
	-4HOPM	4 x 2.5"	N/A	4
	-2H2P	2 x 2.5"	2 x 4" or 4.5" Nozul / Nozzle, or 5" Storz	4
	-2H2PM	2 x 2.5"	2 x 4" or 4.5" Nozul / Nozzle, or 5" Storz	4



SPRINKLER

UV310 - UV311



Sprinkler UV-3 Serisi / Sprinkler UV-3 Series



UV310

UV311



TEKNİK ÖZELLİKLER / TECHNICAL SPECIFICATIONS

Minimum İşletme Basıncı / Minimum Operating Pressure:
7 psi (0.5 bar)

Maksimum Çalışma Basıncı / Maximum Working Pressure:
175 psi (12 bar)

Boşaltma Katsayısı / Discharge Coefficient:
K = 5.6 GPM/psi^{1/2} (80.7 LPM/bar^{1/2})

Sıcaklık Derecesi / Temperature Rating: 135°F / 155°F / 175°F / 200°F / 286°F (57°C / 68°C / 79°C / 93°C / 141°C)

Fabrikadaki Sızdırmazlık Testi / Leakage Test at Factory:
30 Kgf/cm² (0.3Mpa, 29.4bar, 426.7 psi)

GENEL ÖZELLİKLER / GENERAL SPECIFICATIONS

Sprinkler Kodları ve Özellikleri

UV310 : Standart tepkimeli, Upright, K5.6, ½"(NPT)
UV311 : Hızlı tepkimeli, Upright, K5.6, ½"(NPT)

Sprinkler Codes and Specifications

UV310 : Standard response, Upright, K5.6, ½" NPT
UV311 : Quick response, Upright, K5.6, ½" NPT

MALZEME LİSTESİ / MATERIAL LIST

Parça Adı / Part Name	Malzeme / Material
Çerçeve Dövme / Frame Forging	Pirinç / Brass
Deflektör / Deflector	Pirinç / Brass
Yay Siti / Spring Seat	Ni-Be alaşımı her iki tarafı teflon kaplı. Ni-Be alloy, coated on both sides with teflon tape.
Ampül / Bulb	Cam / Glass
Ampül Kapağı / Bulb Cap	Pirinç / Brass
Vida / Screw	Pirinç / Brass
Yay / Spring	Paslanmaz Çelik / Stainless steel

DİZAYN KRİTERLERİ / DESIGN CRITERION

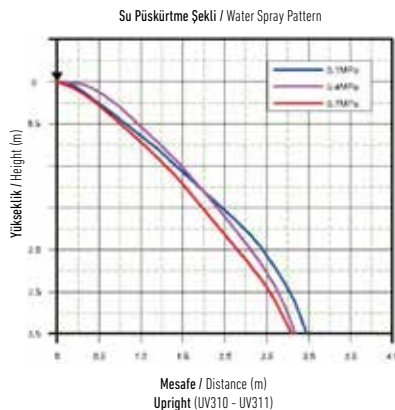
Sprinkler Sıcaklıkları ve Kaplamaları Available Sprinkler Temperature Ratings and Finishes			
Sprinkler Sıcaklık Sınıflandırması Sprinkler Temperature Classification	Sprinkler Nominal Sıcaklık Derecesi ¹ Sprinkler Nominal Temperature Rating ¹	Maksimum Çevre Tavan Sıcaklığı ² Maximum Ambient Ceiling Temperature ²	Ampül Rengi Bulb Color
Normal / Ordinary	135°F (57°C)	100°F (38°C)	Turuncu / Orange
Normal / Ordinary	155°F (68°C)	100°F (38°C)	Kırmızı / Red
Orta Düzey / Intermediate	175°F (79°C)	150°F (65°C)	Sarı / Yellow
Orta Düzey / Intermediate	200°F (93°C)	150°F (65°C)	Yeşil / Green
Yüksek / High	286°F (141°C)	225°F (107°C)	Mavi / Blue

Sprinkler Kaplamaları / Sprinkler Finishes: Pirinç, Nikel-Krom, Beyaz Polyester, Siyah Teflon Kaplama / Brass, Nickel-Chrome, White Polyester, Black Teflon Coating

Not / Note: ¹ Sprinkler sıcaklık derecesi deflektörün üzerinde mühür olarak yer alır. / The sprinkler temperature rating is stamped on the deflector.

² NFPA-13 e göredir. Yangın yükü, sprinkler konumu ve yetkili idarelere bağlı olarak diğer ve özel gereklilikler uygulanabilir. / Based on NFPA-13. Other limits may apply, depending on fire loading, sprinkler location, and other requirements of the Authority Having Jurisdiction. Refer to specific installation standards.

PÜSKÜRTME ŞEKLİ / SPRAY PATTERN



MONTAJ / INSTALLATION

Unival sprinkler sistemleri, yürürlükteki standart, onay kuruluşları ve listelerdeki montaj kurallarına uygun olarak dizayn edilmiş yangın koruma sistemlerine göre seçilmelidir.

Not: Ampülü çatlamış veya ampülde sıvı kaybı olan hiçbir sprinkleri kullanmayınız. Sprinkler yatay tutulduğunda içerisinde küçük bir hava kabarcığı olmalıdır. Sprinkler maksimum 28.5 Nm (21 ft-lbs) tork ile takılmalıdır.

The UNIVAL sprinklers are intended for fire protection systems designed in accordance with the standard installation rules of the applicable listings or approval agency. (eg., NFPA 13 or UL 199 Standard)

Note: Do not install any bulb type sprinkler if the bulb is cracked or there is a loss of fluid from the bulb. And with the sprinkler held horizontally, a small air bubble should be present. The sprinkler joint should be obtained with maximum torque of 28.5 Nm (21 ft-lbs)

UV320 - UV321



Sprinkler UV-3 Serisi / Sprinkler UV-3 Series



UV320

UV321



TEKNİK ÖZELLİKLER / TECHNICAL SPECIFICATIONS

Minimum İşletme Basıncı / Minimum Operating Pressure:
7 psi (0.5 bar)

Maksimum Çalışma Basıncı / Maximum Working Pressure:
175 psi (12 bar)

Boşaltma Katsayısı / Discharge Coefficient:
K = 5.6 GPM/psi^{1/2} (80.7 LPM/bar^{1/2})

Sıcaklık Derecesi / Temperature Rating: 135°F / 155°F / 175°F / 200°F / 286°F (57°C / 68°C / 79°C / 93°C / 141°C)

Fabrikadaki Sızdırmazlık Testi / Leakage Test at Factory:
30 Kg/cm² (0.3Mpa, 29.4bar, 426.7 psi)

GENEL ÖZELLİKLER / GENERAL SPECIFICATIONS

Sprinkler Kodları ve Özellikleri

UV320 : Standard tepkimeli, Pendent, K5.6, ½" (NPT)

UV321 : Hızlı tepkimeli, Pendent, K5.6, ½" (NPT)*

Sprinkler Codes and Specifications

UV320 : Standard response, Pendent, K5.6, ½" NPT

UV321 : Quick response, Pendent, K5.6, ½" NPT

MALZEME LİSTESİ / MATERIAL LIST

Parça Adı / Part Name	Malzeme / Material
Çerçeve Dövme / Frame Forging	Pirinç / Brass
Deflektör / Deflector	Pirinç / Brass
Yay Siti / Spring Seat	Ni-Be alaşımı her iki tarafı teflon kaplı. Ni-Be alloy, coated on both sides with teflon tape.
Ampül / Bulb	Cam / Glass
Ampül Kapağı / Bulb Cap	Pirinç / Brass
Vida / Screw	Pirinç / Brass
Yay / Spring	Paslanmaz Çelik / Stainless steel

DİZAYN KRİTERLERİ / DİZAYN CRITERION

Sprinkler Sıcaklıkları ve Kaplamaları Available Sprinkler Temperature Ratings and Finishes			
Sprinkler Sıcaklık Sınıflandırması Sprinkler Temperature Classification	Sprinkler Nominal Sıcaklık Derecesi ¹ Sprinkler Nominal Temperature Rating ¹	Maksimum Çevre Tavan Sıcaklığı ² Maximum Ambient Ceiling Temperature ²	Ampül Rengi Bulb Color
Normal / Ordinary	135°F (57°C)	100°F (38°C)	Turuncu / Orange
Normal / Ordinary	155°F (68°C)	100°F (38°C)	Kırmızı / Red
Orta Düzey / Intermediate	175°F (79°C)	150°F (65°C)	Sarı / Yellow
Orta Düzey / Intermediate	200°F (93°C)	150°F (65°C)	Yeşil / Green
Yüksek / High	286°F (141°C)	225°F (107°C)	Mavi / Blue

Sprinkler Kaplamaları / Sprinkler Finishes: Pirinç, Nikel-Krom, Beyaz Polyester, Siyah Teflon Kaplama / Brass, Nickel-Chrome, White Polyester, Black Teflon Coating

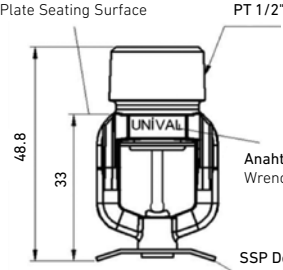
Not / Note: ¹ Sprinkler sıcaklık derecesi deflektörün üzerinde mühür olarak yer alır. / The sprinkler temperature rating is stamped on the deflector.

² NFPA-13 e göredir. Yangın yükü, sprinkler konumu ve yetkili idarelere bağlı olarak diğer ve özel gereklilikler uygulanabilir. / Based on NFPA-13. Other limits may apply, depending on fire loading, sprinkler location, and other requirements of the Authority Having Jurisdiction. Refer to specific installation standards.

PÜSKÜRTME ŞEKLİ / SPRAY PATTERN



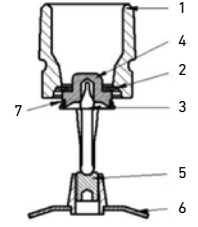
Rozet Plakası Oturma Düzeyi
Escutcheon Plate Seating Surface



- 1- Gövde / Frame
- 2- Yay Siti / Spring Seat
- 3- Cam Ampül / Glass Bulb

- 4- Ampül Kafası / Bulb Cap
- 5- Vida / Screw

PENDENT



- 6- Deflektör / Deflector
- 7- Yay / Spring

MONTAJ / INSTALLATION

Unival sprinkler sistemleri, yürürlükteki standart, onay kuruluşları ve listelerdeki montaj kurallarına uygun olarak dizayn edilmiş yangın koruma sistemlerine göre seçilmelidir.

Not: Ampülü çatlamış veya ampülde sıvı kaybı olan hiçbir sprinkleri kullanmayınız. Sprinkler yatay tutulduğunda içerisinde küçük bir hava kabarcığı olmalıdır. Sprinkler maksimum 28.5 Nm (21 ft-lbs) tork ile takılmalıdır.

The UNIVAL sprinklers are intended for fire protection systems designed in accordance with the standard installation rules of the applicable listings or approval agency. (eg., NFPA 13 or UL 199 Standard)

Note: Do not install any bulb type sprinkler if the bulb is cracked or there is a loss of fluid from the bulb. And with the sprinkler held horizontally, a small air bubble should be present. The sprinkler joint should be obtained with maximum torque of 28.5 Nm (21 ft-lbs)

UV410 - UV411



Sprinkler UV-4 Serisi / Sprinkler UV-4 Series



UV410

UV411

GENEL ÖZELLİKLER / GENERAL SPECIFICATIONS

Sprinkler Kodları ve Özellikleri

UV410 : Standart tepkimeli, Upright, K8.0, ¾" NPT
UV411 : Hızlı tepkimeli, Upright, K8.0, ¾" NPT

Sprinkler Codes and Specifications

UV410 : Standard response, Upright, K8.0, ¾" NPT
UV411 : Quick response, Upright, K8.0, ¾" NPT

TEKNİK ÖZELLİKLER / TECHNICAL SPECIFICATIONS

Minimum İşletme Basıncı / Minimum Operating Pressure:
7 psi (0.5 bar)

Maksimum Çalışma Basıncı / Maximum Working Pressure:
175 psi (12 bar)

Boşaltma Katsayısı / Discharge Coefficient:
K = 8.0 GPM/psi^{1/2} (115.2 LPM/bar^{1/2})

Sıcaklık Derecesi / Temperature Rating: 135°F / 155°F / 175°F / 200°F / 286°F (57°C / 68°C / 79°C / 93°C / 141°C)

Fabrikadaki Sızdırmazlık Testi / Leakage Test at Factory:
(0.3Mpa, 29.4bar, 426.7 psi)

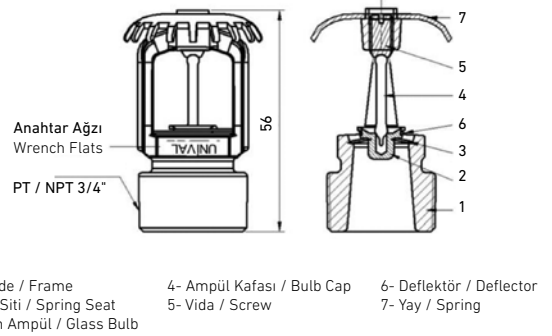
MALZEME LİSTESİ / MATERIAL LIST

Parça Adı / Part Name	Malzeme / Material
Çerçeve Dövme / Frame Forging	Pirinç / Brass
Deflektör / Deflector	Pastanmaz Çelik / Stainless Steel
Yay Siti / Spring Seat	Ni-Be alaşımı her iki taraflı teflon kaplı. Ni-Be alloy, coated on both sides with teflon tape.
Ampül / Bulb	Cam / Glass
Ampül Kapağı / Bulb Cap	Pirinç / Brass
Vida / Screw	Pastanmaz Çelik / Stainless Steel
Yay / Spring	Pastanmaz Çelik / Stainless steel

DİZAYN KRİTERLERİ / DİZAYN CRITERION

Sprinkler Sıcaklıkları ve Kaplamaları Available Sprinkler Temperature Ratings and Finishes			
Sprinkler Sıcaklık Sınıflandırması Sprinkler Temperature Classification	Sprinkler Nominal Sıcaklık Derecesi ¹ Sprinkler Nominal Temperature Rating ¹	Maksimum Çevre Tavan Sıcaklığı ² Maximum Ambient Ceiling Temperature ²	Ampül Rengi Bulb Color
Normal / Ordinary	135°F (57°C)	100°F (38°C)	Turuncu / Orange
Normal / Ordinary	155°F (68°C)	100°F (38°C)	Kırmızı / Red
Orta Düzey / Intermediate	175°F (79°C)	150°F (65°C)	Sarı / Yellow
Orta Düzey / Intermediate	200°F (93°C)	150°F (65°C)	Yeşil / Green
Yüksek / High	286°F (141°C)	225°F (107°C)	Mavi / Blue

UPRIGHT

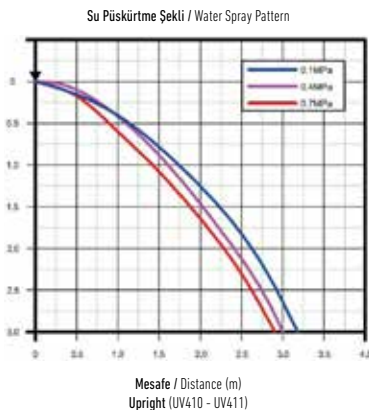


Sprinkler Kaplamaları / Sprinkler Finishes: Pirinç, Nikel-Krom, Beyaz Polyester, Siyah Teflon Kaplama / Brass, Nickel-Chrome, White Polyester, Black Teflon Coating

Not / Note: ¹ Sprinkler sıcaklık derecesi deflektörün üzerinde mühür olarak yer alır. / The sprinkler temperature rating is stamped on the deflector.

² NFPA-13'e göre. Yangın yükü, sprinkler konumu ve yetkili idarelere bağlı olarak diğer ve özel gereklilikler uygulanabilir. / Based on NFPA-13. Other limits may apply, depending on fire loading, sprinkler location, and other requirements of the Authority Having Jurisdiction. Refer to specific installation standards.

PÜSKÜRTME ŞEKLİ / SPRAY PATTERN



MONTAJ / INSTALLATION

Unival sprinkler sistemleri, yürürlükteki standart, onay kuruluşları ve listelerdeki montaj kurallarına uygun olarak dizayn edilmiş yangın koruma sistemlerine göre seçilmelidir.

Not: Ampülü çatlamış veya ampülde sıvı kaybı olan hiçbir sprinkleri kullanmayınız. Sprinkler yatay tutulduğunda içerisinde küçük bir hava kabarcığı olmalıdır. Sprinkler maksimum 28.5 Nm (21 ft-lbs) tork ile takılmalıdır.

The UNIVAL sprinklers are intended for fire protection systems designed in accordance with the standard installation rules of the applicable listings or approval agency. (eg., NFPA 13 or UL 199 Standard)

Note: Do not install any bulb type sprinkler if the bulb is cracked or there is a loss of fluid from the bulb. And with the sprinkler held horizontally, a small air bubble should be present. The sprinkler joint should be obtained with maximum torque of 28.5 Nm (21 ft-lbs)

UV420 - UV421



Sprinkler UV-4 Serisi / Sprinkler UV-4 Series



UV420

UV421



TEKNİK ÖZELLİKLER / TECHNICAL SPECIFICATIONS

Minimum İşletme Basıncı / Minimum Operating Pressure:
7 psi (0.5 bar)

Maksimum Çalışma Basıncı / Maximum Working Pressure:
175 psi (12 bar)

Boşaltma Katsayısı / Discharge Coefficient:
K = 8.0 GPM/psi^{1/2} (115.2 LPM/bar^{1/2})

Sıcaklık Derecesi / Temperature Rating: 135°F / 155°F / 175°F / 200°F / 286°F (57°C / 68°C / 79°C / 93°C / 141°C)

Fabrikadaki Sızdırmazlık Testi / Leakage Test at Factory:
(0.3Mpa, 29.4bar, 426.7 psi)

GENEL ÖZELLİKLER / GENERAL SPECIFICATIONS

Sprinkler Kodları ve Özellikleri

UV420 : Standart tepkimeli, Pendent, K8.0, ¾" NPT
UV421 : Hızlı tepkimeli, Pendent, K8.0, ¾" NPT

Sprinkler Codes and Specifications

UV420 : Standard response, Pendent, K8.0, ¾" NPT
UV421 : Quick response, Pendent, K8.0, ¾" NPT

MALZEME LİSTESİ / MATERIAL LIST

Parça Adı / Part Name	Malzeme / Material
Çerçeve Dövme / Frame Forging	Pirinç / Brass
Deflektör / Deflector	Paslanmaz Çelik / Stainless Steel
Yay Siti / Spring Seat	Ni-Be alaşımı her iki taraflı teflon kaplı. Ni-Be alloy, coated on both sides with teflon tape.
Ampül / Bulb	Cam / Glass
Ampül Kapağı / Bulb Cap	Pirinç / Brass
Vida / Screw	Paslanmaz Çelik / Stainless Steel
Yay / Spring	Paslanmaz Çelik / Stainless steel

DİZAYN KRİTERLERİ / DIZAYN CRITERION

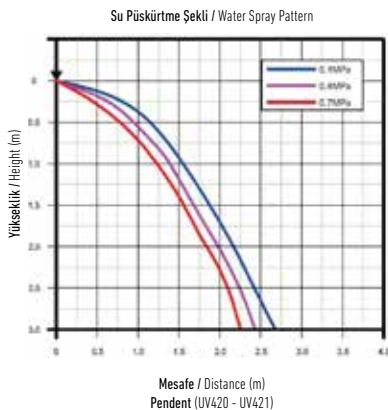
Sprinkler Sıcaklıkları ve Kaplamaları Available Sprinkler Temperature Ratings and Finishes			
Sprinkler Sıcaklık Sınıflandırması Sprinkler Temperature Classification	Sprinkler Nominal Sıcaklık Derecesi ¹ Sprinkler Nominal Temperature Rating ¹	Maksimum Çevre Tavan Sıcaklığı ² Maximum Ambient Ceiling Temperature ²	Ampul Rengi Bulb Color
Normal / Ordinary	135°F (57°C)	100°F (38°C)	Turuncu / Orange
Normal / Ordinary	155°F (68°C)	100°F (38°C)	Kırmızı / Red
Orta Düzey / Intermediate	175°F (79°C)	150°F (65°C)	Sarı / Yellow
Orta Düzey / Intermediate	200°F (93°C)	150°F (65°C)	Yeşil / Green
Yüksek / High	286°F (141°C)	225°F (107°C)	Mavi / Blue

Sprinkler Kaplamaları / Sprinkler Finishes: Pirinç , Nikel-Krom, Beyaz Polyester, Siyah Teflon Kaplama / Brass, Nickel-Chrome, White Polyester, Black Teflon Coating

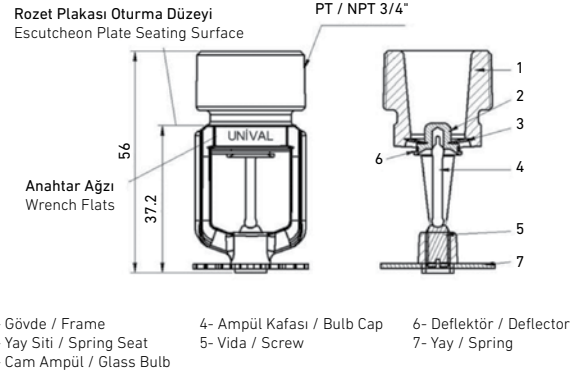
Not / Note: ¹ Sprinkler sıcaklık derecesi deflektörün üzerinde mühür olarak yer alır. / The sprinkler temperature rating is stamped on the deflector.

² NFPA-13 e göredir . Yangın yükü , sprinkler konumu ve yetkili idarelere bağlı olarak diğer ve özel gereklilikler uygulanabilir. / Based on NFPA-13. Other limits may apply, depending on fire loading, sprinkler location, and other requirements of the Authority Having Jurisdiction. Refer to specific installation standards.

PÜSKÜRTME ŞEKLİ / SPRAY PATTERN



PENDENT



MONTAJ / INSTALLATION

Unival sprinkler sistemleri, yürürlükteki standart, onay kuruluşları ve listelerdeki montaj kurallarına uygun olarak dizayn edilmiş yangın koruma sistemlerine göre seçilmelidir.

Not: Ampülü çatlamış veya ampülde sıvı kaybı olan hiçbir sprinkleri kullanmayınız. Sprinkler yatay tutulduğunda içerisinde küçük bir hava kabarcığı olmalıdır. Sprinkler maksimum 28.5 Nm (21 ft-lbs) tork ile takılmalıdır.

The UNIVAL sprinklers are intended for fire protection systems designed in accordance with the standard installation rules of the applicable listings or approval agency. (eg., NFPA 13 or UL 199 Standard)

Note: Do not install any bulb type sprinkler if the bulb is cracked or there is a loss of fluid from the bulb. And with the sprinkler held horizontally, a small air bubble should be present. The sprinkler joint should be obtained with maximum torque of 28.5 Nm (21 ft-lbs)

UV820 - UV821

Gizli Tip Sprinkler UV-8 Serisi Hızlı Tepkimeli Sprinkler UV-8 Series (Concealed Sprinkler)



UV820



UV821

TEKNİK ÖZELLİKLER / TECHNICAL SPECIFICATIONS

Minimum İşletme Basıncı / Minimum Operating Pressure:
7 psi (0.5 bar)

Maksimum Çalışma Basıncı / Maximum Working Pressure:
175 psi (12 bar)

Boşaltma Katsayısı / Discharge Coefficient:
K = 5.6 GPM/psi^{1/2} (80.7 LPM/bar^{1/2})

Sıcaklık Derecesi / Temperature Rating: 155°F / 175°F (68°C / 93°C)

Fabrikadaki Sızdırmazlık Testi / Leakage Test at Factory:
30 Kg/cm² (0.3Mpa, 29.4bar, 426.7 psi)

GENEL ÖZELLİKLER / GENERAL SPECIFICATIONS

Sprinkler Kodları ve Özellikleri

UV820 : Standart Tepkimeli, Pendent, 5.6K, 1/2" NPT
UV821 : Hızlı Tepkimeli, Pendent, 5.6K, 1/2" NPT

Sprinkler Codes and Specifications

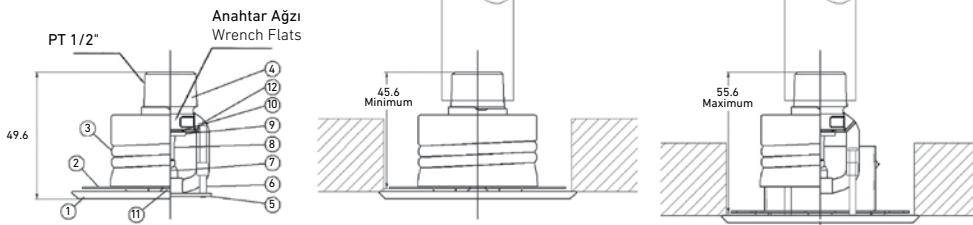
UV820 : Standard response, Pendent, 5.6K, 1/2" NPT
UV821 : Quick response, Pendent, 5.6K, 1/2" NPT

MALZEME LİSTESİ / MATERIAL LIST

Parça Adı / Part Name	Malzeme / Material
Çerçeve Dövme / Frame Forging	Pirinç / Brass
Deflektör / Deflector	Pastanmaz Çelik / Stainless Steel
Yay Siti / Spring Seat	Ni-Be alaşımı her iki taraflı teflon kaplı. Ni-Be alloy, coated on both sides with teflon tape.
Ampül / Bulb	Cam / Glass
Ampül Kapağı / Bulb Cap	Pirinç / Brass
Vida / Screw	Pastanmaz Çelik / Stainless Steel

DİZAYN KRİTERLERİ / DESIGN CRITERION

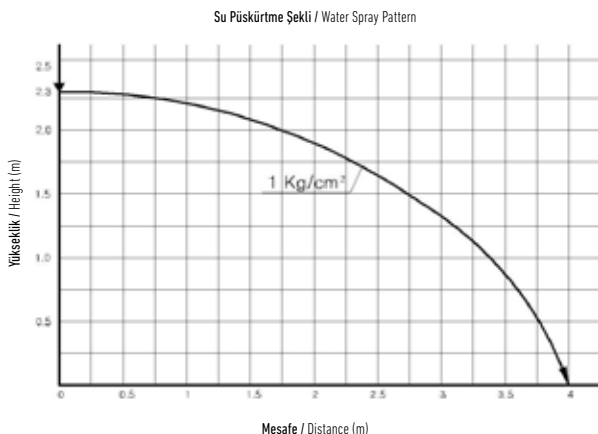
Kesit / Cross Section



- 1- Kapak Plakası / Cover Plate
- 2- Tutucu / Retainer
- 3- Kapak Adaptörü / Cover Adapter
- 4- Gövde / Frame
- 5- Deflektör / Deflector
- 6- Deflektör Pimi / Deflector Pin
- 7- Vida / Screw
- 8- Cam Ampül / Glass Bulb
- 9- Ampül Kafası / Bulb Cap
- 10- Yay Siti / Spring Seat
- 11- Plaka Yayı / Plate Spring
- 12- Yay / Spring

SIN No	Püskürtme Dağılımı Spray Pattern	Tepki / Response	Dış Ölçüsü / Thread Size		K Faktörü K Factor	Dikey Ayar Mesafesi Vertical Adjustment Stroke	Onay Certification
			NPT	BSP			
UV 820	Sarkık / Pendent	SR	1/2"	15 mm	K 5.6 (US)	10 mm	UL _{US}
UV 821	Sarkık / Pendent	QR	1/2"	15 mm	K 5.6 (US)	10 mm	UL _{US}

PÜSKÜRTME ŞEKLİ / SPRAY PATTERN



MONTAJ / INSTALLATION

Unival sprinkler sistemleri, yürürlükteki standart, onay kuruluşları ve listelerdeki montaj kurallarına uygun olarak dizayn edilmiş yangın koruma sistemlerine göre seçilmelidir.

Not: Ampülü çatlamış veya ampülde sıvı kaybı olan hiçbir sprinkleri kullanmayınız. Sprinkler yatay tutulduğunda içerisinde küçük bir hava kabarcığı olmalıdır. Sprinkler maksimum 28.5 Nm (21 ft-lbs) tork ile takılmalıdır.

The UNIVAL sprinklers are intended for fire protection systems designed in accordance with the standard installation rules of the applicable listings or approval agency. (eg., NFPA 13 or UL 199 Standard)

Note: Do not install any bulb type sprinkler if the bulb is cracked or there is a loss of fluid from the bulb. And with the sprinkler held horizontally, a small air bubble should be present. The sprinkler joint should be obtained with maximum torque of 28.5 Nm (21 ft-lbs)

UV340 - UV341



Duvar Tipi Sprinkler UV-3 Serisi / Automatic Sprinkler UV-3 Series (Glass Bulb Type)



UV340

UV341



TEKNİK ÖZELLİKLER / TECHNICAL SPECIFICATIONS

Minimum İşletme Basıncı / Minimum Operating Pressure:
7 psi (0.5 bar)

Maksimum Çalışma Basıncı / Maximum Working Pressure:
175 psi (12 bar)

Boşaltma Katsayısı / Discharge Coefficient:
K = 5.6 GPM/psi^{1/2} (80.7 LPM/bar^{1/2})

Sıcaklık Derecesi / Temperature Rating: 135°F / 155°F / 175°F / 200°F / 286°F (57°C / 68°C / 79°C / 93°C / 141°C)

Fabrikadaki Sızdırmazlık Testi / Leakage Test at Factory:
30 Kg/cm² (0.3Mpa, 29.4bar, 426.7 psi)

GENEL ÖZELLİKLER / GENERAL SPECIFICATIONS

Sprinkler Kodları ve Özellikleri

UV340: Standart tepkimeli, Duvar tipi 5.6K, ½" NPT

UV341: Hızlı Tepkimeli, Duvar tipi, 5.6K, ½" NPT

Sprinkler Codes and Specifications

UV340: Standard response, Sidewall, 5.6K, ½" NPT

UV341: Quick response, Sidewall, 5.6K, ½" NPT

MALZEME LİSTESİ / MATERIAL LIST

Parça Adı / Part Name	Malzeme / Material
Çerçeve Dövme / Frame Forging	Pirinç / Brass
Deflektör / Deflector	Paslanmaz Çelik / Stainless Steel
Yay Siti / Spring Seat	Ni-Be alaşımı her iki tarafı teflon kaplı. Ni-Be alloy, coated on both sides with Teflon Tape.
Ampül / Bulb	Cam / Glass
Ampül Kapağı / Bulb Cap	Pirinç / Brass
Vida / Screw	Paslanmaz Çelik / Stainless Steel
Yay / Spring	Paslanmaz Çelik / Stainless Steel

DİZAYN KRİTERLERİ / DİZAYN CRITERION

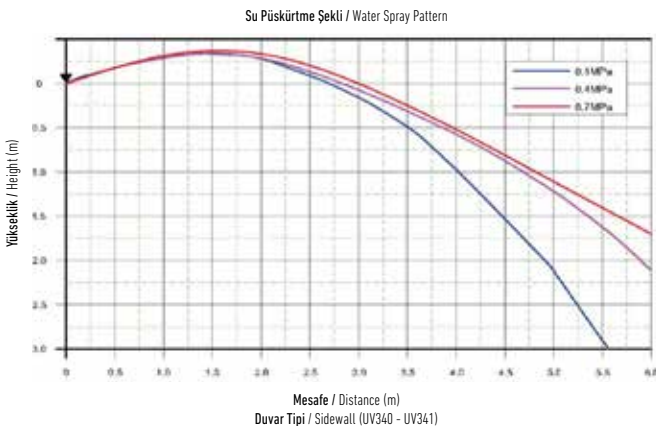
Sprinkler Sıcaklıkları ve Kaplamaları Available Sprinkler Temperature Ratings and Finishes			
Sprinkler Sıcaklık Sınıflandırması Sprinkler Temperature Classification	Sprinkler Nominal Sıcaklık Derecesi ¹ Sprinkler Nominal Temperature Rating ¹	Maksimum Çevre Tavan Sıcaklığı ² Maximum Ambient Ceiling Temperature ²	Ampül Rengi Bulb Color
Normal / Ordinary	135°F (57°C)	100°F (38°C)	Turuncu / Orange
Normal / Ordinary	155°F (68°C)	100°F (38°C)	Kırmızı / Red
Orta Düzey / Intermediate	175°F (79°C)	150°F (65°C)	Sarı / Yellow
Orta Düzey / Intermediate	200°F (93°C)	150°F (65°C)	Yeşil / Green
Yüksek / High	286°F (141°C)	225°F (107°C)	Mavi / Blue

Sprinkler Kaplamaları / Sprinkler Finishes: Pirinç, Nikel-Krom, Beyaz Polyester, Siyah Teflon Kaplama / Brass, Nickel-Chrome, White Polyester, Black Teflon Coating

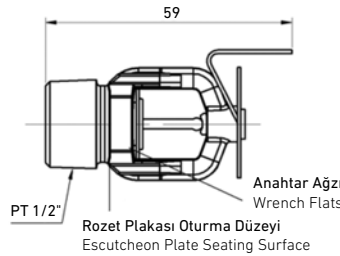
Not / Note: ¹ Sprinkler sıcaklık derecesi deflektörün üzerinde mühür olarak yer alır. / The sprinkler temperature rating is stamped on the deflector.

² NFPA-13'e göre. Yangın yükü, sprinkler konumu ve yetkili idarelere bağlı olarak diğer ve özel gereklilikler uygulanabilir. / Based on NFPA-13. Other limits may apply, depending on fire loading, sprinkler location, and other requirements of the Authority Having Jurisdiction. Refer to specific installation standards.

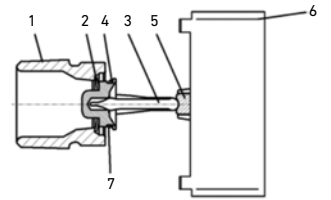
PÜSKÜRTME ŞEKLİ / SPRAY PATTERN



Duvar Tipi / Sidewall



Kesit / Cross Section



- 1- Gövde / Frame
- 2- Yay Siti / Spring Seat
- 3- Cam Ampül / Glass Bulb
- 4- Ampül Kafası / Bulb Cap
- 5- Vida / Screw
- 6- Deflektör / Deflector
- 7- Yay / Spring

MONTAJ / INSTALLATION

Unival sprinkler sistemleri, yürürlükteki standart, onay kuruluşları ve listelerdeki montaj kurallarına uygun olarak dizayn edilmiş yangın koruma sistemlerine göre seçilmelidir.

Not: Ampülü çatlamış veya ampülde sıvı kaybı olan hiçbir sprinkleri kullanmayınız. Sprinkler yatay tutulduğunda içerisinde küçük bir hava kabarcığı olmalıdır. Sprinkler maksimum 28.5 Nm (21 ft-lbs) tork ile takılmalıdır.

The UNIVAL sprinklers are intended for fire protection systems designed in accordance with the standard installation rules of the applicable listings or approval agency. (eg., NFPA 13 or UL 199 Standard)

Note: Do not install any bulb type sprinkler if the bulb is cracked or there is a loss of fluid from the bulb. And with the sprinkler held horizontally, a small air bubble should be present. The sprinkler joint should be obtained with maximum torque of 28.5 Nm (21 ft-lbs)

Sprinkler Bağlantı Hortumu / Sprinkler Flexible Hose



TEKNİK ÖZELLİKLER / TECHNICAL SPECIFICATIONS

Basınç Sınıfı / Pressure Rating: PN16

Hortum / Hose : Paslanmaz Çelik / Stainless Steel

Başlıklar / Nipple, Union : Karbon Çelik / Carbon Steel
Paslanmaz Çelik / Stainless Steel
(Opsiyonel / Optional)
Somun x Nipel / Nut x Nipple
(diğer bağlantılar opsiyonel / other connections optional)



MALZEME LİSTESİ / MATERIAL LIST

Parça Adı / Part Name	Malzeme / Material
Hortum / Hose	Paslanmaz Çelik / Stainless Steel
Başlıklar / Nipple, Union	Karbon Çelik / Paslanmaz Çelik (Opsiyonel) Somun x Nipel (Diğer bağlantılar Opsiyonel) Carbon Steel / Stainless steel (Optional) Nut x Nipple (Other connections optional)

ÖLÇÜ TABLOSU / DIMENSIONS



ÜRÜN KODU PRODUCT CODE	Ölçü / Size (L)
SPH-0702X025-50	1 x 1/2" - 50 cm
SPH-0702X025-70	1 x 1/2" - 70 cm
SPH-0702X025-100	1 x 1/2" - 100 cm
SPH-0702X025-150	1 x 1/2" - 150 cm

[illegible]



**GIACOMINI UNİVAL
TESİSAT ARMATÜRLERİ SANAYİ ve
TİCARET LTD. ŞTİ.**

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