

**SIMPLE
SOLUTIONS**
شركة الحلول البسيطة



Fittings Profile



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Two-piece Braided Hose Fittings ...3

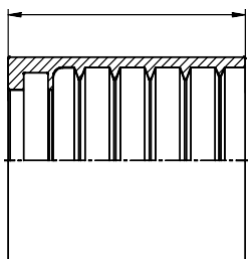
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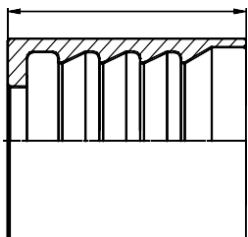
Two-piece Braided Hose Fittings

EC110-EC115 Socket



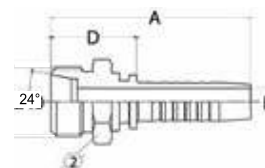
# Part Number	Hose Size		Dimension L		OD		Weight	
	DN	Dash Size	mm	in	mm	in	kg	lb
00110-04AEWZ	6	-04	27,5	1.08	21,0	0.83	0,03	0.07
00110-05AEWZ	8	-05	28,0	1.10	21,5	0.85	0,03	0.06
00110-06AEWZ	10	-06	30,0	1.18	24,3	0.96	0,04	0.08
00110-08AEWZ	12	-08	34,0	1.34	28,0	1.10	0,05	0.10
00110-10AEWZ	16	-10	37,0	1.46	31,3	1.23	0,06	0.13
00110-12AEWZ	20	-12	42,0	1.65	28,7	1.13	0,08	0.17
00110-16AEWZ	25	-16	51,0	2.01	43,5	1.71	0,13	0.28
00110-20EWZ	32	-20	59,0	2.32	52,0	2.05	0,21	0.46
00110-24EWZ	40	-24	74,0	2.91	58,0	2.28	0,27	0.58
00110-32EWZ	50	-32	78,0	3.07	72,0	2.83	0,39	0.86

EC210-EC215 Socket



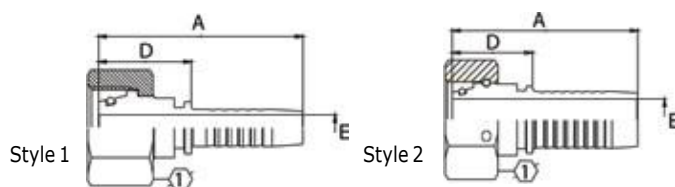
# Part Number	Hose Size		Dimension L		OD		Weight	
	DN	Dash Size	mm	in	mm	in	kg	lb
03310-04EWZ	6	-04	30,5	1.20	23,0	0.91	0,04	0.09
03310-05EWZ	8	-05	30,0	1.18	24,0	0.94	0,04	0.08
03310-06EWZ	10	-06	32,0	1.26	26,0	1.02	0,04	0.09
03310-08EWZ	12	-08	34,0	1.34	29,0	1.14	0,05	0.10
03310-10AEWZ	16	-10	35,0	1.38	34,5	1.36	0,06	0.14
03310-12EWZ	20	-12	42,0	1.65	37,0	1.46	0,08	0.18
03310-16EWZ	25	-16	52,0	2.05	46,7	1.84	0,15	0.33
03310-20AEWZ	32	-20	59,0	2.32	59,0	2.32	0,26	0.57
03310-24AEWZ	40	-24	67,0	2.64	67,0	2.64	0,43	0.94
03310-32AEWZ	50	-32	72,0	2.83	80,0	3.15	0,61	1.34

DIN 24° Male Rigid



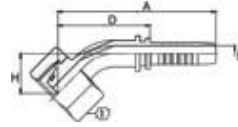
# Part Number	Terminal End	 Thread	 Hose Size		A		D Cut Off Factor		E Ø		 1	 2	 Weight	
			DN	Dash Size	mm	in	mm	in	mm	in	mm	mm	kg	lb
10411-12-04Z	-12	M12x1.5	6	-04	48,5	1.91	20,5	0.81	4,0	0.16	--	12	0,015	0.033
10411-14-04Z	-14	M14x1.5	6	-04	48,5	1.91	20,5	0.81	4,0	0.16	--	14	0,020	0.044
10411-14-05Z	-14	M14x1.5	8	-05	49,5	1.95	21,5	0.85	5,5	0.22	--	14	0,020	0.044
10411-16-04Z	-16	M16x1.5	6	-04	50,5	1.99	22,5	0.89	4,0	0.16	--	17	0,025	0.055
10411-16-05Z	-16	M16x1.5	8	-05	50,5	1.99	22,5	0.89	5,5	0.22	--	17	0,025	0.055
10411-16-06Z	-16	M16x1.5	10	-06	52,5	2.07	22,5	0.89	7,0	0.28	--	17	0,034	0.075
10411-18-04Z	-18	M18x1.5	6	-04	51,5	2.03	23,5	0.93	4,0	0.16	--	19	0,030	0.066
10411-18-05Z	-18	M18x1.5	8	-05	51,5	2.03	23,5	0.93	5,5	0.22	--	19	0,030	0.066
10411-18-06Z	-18	M18x1.5	10	-06	52,5	2.07	22,5	0.89	7,0	0.28	--	19	0,035	0.077
10411-18-08Z	-18	M18x1.5	12	-08	55,5	2.19	24,0	0.95	10,0	0.39	--	19	0,045	0.099
10411-22-06Z	-22	M22x1.5	10	-06	54,5	2.15	24,5	0.96	7,0	0.28	--	24	0,050	0.110
10411-22-08Z	-22	M22x1.5	12	-08	57,5	2.26	26,0	1.02	10,0	0.39	--	24	0,060	0.132
10411-26-08Z	-26	M26x1.5	12	-08	58,0	2.28	26,5	1.04	10,0	0.39	--	27	0,076	0.167
10411-26-10Z	-26	M26x1.5	16	-10	60,5	2.38	26,5	1.04	12,0	0.47	--	27	0,080	0.176
10411-30-12Z	-30	M30x2	20	-12	68,5	2.70	30,0	1.18	15,0	0.59	--	32	0,122	0.268
10411-36-12Z	-36	M36x2	20	-12	69,5	2.75	31,0	1.22	15,0	0.59	--	38	0,164	0.361
10411-36-16Z	-36	M36x2	25	-16	78,5	3.09	31,5	1.24	21,0	0.83	--	38	0,178	0.392
10411-45-20Z	-45	M45x2	32	-20	91,0	3.58	37,0	1.46	27,0	1.06	--	46	0,310	0.682
10411-52-24Z	-52	M52x2	40	-24	106,0	4.17	38,0	1.50	32,0	1.26	--	55	0,460	1.012

DIN 24° Female Swivel

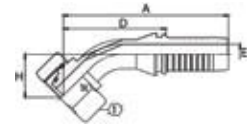


# Part Number	Terminal End	Thread	Hose Size	A	D Cut Off Factor	E Ø	1	2	Weight
	Dash Size		DN Dash Size	mm in	mm in	mm in	mm	mm	kg lb
20411-12-04WZ**	-12	M12X1.5	6 -04	50,0 1.97	22,5 0.89	4,0 0.16	17	--	0,032 0.071
20411-14-04WZ**	-14	M14X1.5	6 -04	50,5 1.99	22,5 0.89	4,0 0.16	17	--	0,030 0.066
20411-14-05WZ**	-14	M14X1.5	8 -05	50,5 1.99	22,5 0.89	5,5 0.22	17	--	0,032 0.071
20411-14-06WZ**	-14	M14X1.5	10 -06	53,0 2.09	23,0 0.91	7,0 0.28	17	--	0,035 0.077
20411-16-04TZ*	-16	M16X1.5	6 -04	48,5 1.91	20,5 0.81	4,0 0.16	19	--	0,032 0.071
20411-16-05WZ**	-16	M16X1.5	8 -05	50,0 1.97	22,0 0.87	5,5 0.22	19	--	0,038 0.084
20411-16-06WZ**	-16	M16X1.5	10 -06	53,5 2.11	23,5 0.93	7,0 0.28	19	--	0,044 0.097
20411-18-04TZ*	-18	M18X1.5	6 -04	52,5 2.07	24,5 0.96	4,0 0.16	22	--	0,047 0.104
20411-18-05TZ*	-18	M18X1.5	8 -05	52,5 2.07	24,5 0.96	5,5 0.22	22	--	0,055 0.121
20411-18-06TZ*	-18	M18X1.5	10 -06	57,5 2.26	27,5 1.08	7,0 0.28	22	--	0,055 0.121
20411-18-08WZ**	-18	M18X1.5	12 -08	56,0 2.2	24,5 0.96	10,0 0.39	22	--	0,064 0.141
20411-22-10WZ**	-22	M22X1.5	16 -10	60,0 2.36	26,0 1.02	12,0 0.47	27	--	0,105 0.231
20411-22-04TZ*	-22	M22X1.5	6 -04	54,5 2.15	26,5 1.04	4,0 0.16	27	--	0,075 0.165
20411-22-05TZ*	-22	M22X1.5	8 -05	54,5 2.15	26,5 1.04	5,5 0.22	27	--	0,078 0.172
20411-22-06TZ*	-22	M22X1.5	10 -06	56,5 2.22	26,5 1.04	7,0 0.28	27	--	0,084 0.185
20411-22-08TZ*	-22	M22X1.5	12 -08	60,5 2.38	29,0 1.14	10,0 0.39	27	--	0,076 0.168
20411-26-10TZ*	-26	M26X1.5	16 -10	64,0 2.52	30,0 1.18	12,0 0.47	32	--	0,120 0.265
20411-26-12WZ**	-26	M26X1.5	20 -12	67,0 2.64	27,5 1.08	15,0 0.59	32	--	0,145 0.32
20411-26-08TZ*	-26	M26X1.5	12 -08	59,0 2.32	27,5 1.08	10,0 0.39	32	--	0,118 0.26
20411-30-10TZ*	-30	M30X2	16 -10	65,0 2.56	31,0 1.22	12,0 0.47	36	--	0,150 0.331
20411-30-12TZ*	-30	M30X2	20 -12	72,5 2.85	34,0 1.34	15,0 0.59	36	--	0,185 0.408
20411-30-16WZ**	-30	M30X2	25 -16	77,5 3.05	30,5 1.2	21,0 0.83	36	--	0,212 0.467
20411-36-12TZ*	-36	M36X2	20 -12	71,5 2.81	33,0 1.3	15,0 0.59	41	--	0,205 0.452
20411-36-16WZ**	-36	M36X2	25 -16	77,0 3.03	30,0 1.18	21,0 0.83	41	--	0,235 0.518
20411-45-16TZ*	-45	M45X2	25 -16	84,0 3.31	37,0 1.46	21,0 0.83	50	--	0,433 0.955
20411-45-20TZ*	-45	M45X2	32 -20	91,5 3.6	37,5 1.48	27,0 1.06	50	--	0,485 1.069
20411-52-20TZ*	-52	M52X2	32 -20	92,5 3.64	38,5 1.52	27,0 1.06	60	--	0,500 1.102
20411-52-24TZ*	-52	M52X2	40 -24	106,5 4.19	38,5 1.52	32,0 1.26	60	--	0,620 1.367

DIN 24° Female 45° Elbow



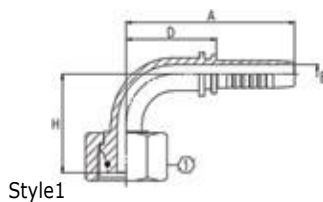
Style 1



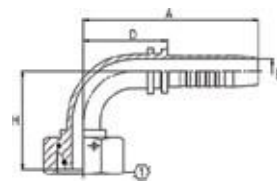
Style 2

# Part Number	Terminal End	 Thread	 Hose Size		A		D Cut Off Factor		E Ø		H		 Weight		
	Dash Size		DN	Dash Size	mm	in	mm	in	mm	in	mm	in	mm	kg	lb
20441-12-04WZ**	-12	M12X1.5	6	-04	6	64,	2.52	36,0	1.42	4,0	0.16	15,1	17	0.040	0.088
20441-14-04WZ**	-14	M14X1.5	6	-04	8	66,1	2.60	38,1	1.50	4,0	0.16	16,0	17	0.040	0.088
20441-16-04TZ*	-16	M16X1.5	6	-04	10	66,1	2.60	38,1	1.50	4,0	0.16	16,0	19	0.050	0.088
20441-16-05WZ**	-16	M16X1.5	8	-05	10	68,3	2.69	40,3	1.59	5,5	0.22	17,0	19	0.054	0.119
20441-16-06WZ**	-16	M16X1.5	10	-06	10	70,3	2.77	40,3	1.59	7,0	0.28	17,0	19	0.058	0.128
20441-18-05TZ*	-18	M18X1.5	8	-05	12	68,3	2.69	40,3	1.59	5,5	0.22	17,0	22	0.070	0.154
20441-18-06TZ*	-18	M18X1.5	10	-06	12	75,	2.95	45,0	1.77	7,0	0.28	18,5	22	0.070	0.154
20441-18-08WZ**	-18	M18X1.5	12	-08	12	75,7	2.98	44,2	1.74	10,0	0.39	18,7	22	0.086	0.190
20441-22-10WZ**	-22	M22X1.5	16	-10	15	83,	3.27	49,0	1.93	12,0	0.47	22,2	27	0.125	0.276
20441-22-06TZ*	-22	M22X1.5	10	-06	15	72,	2.83	42,0	1.65	7,0	0.28	18,0	27	0.096	0.212
20441-22-08TZ*	-22	M22X1.5	12	-08	15	80,3	3.16	48,8	1.92	10,0	0.39	20,0	27	0.105	0.231
20441-26-10TZ*	-26	M26X1.5	16	-10	18	73,5	2.89	58,0	2.28	12,0	0.47	23,5	32	0.178	0.392
20441-26-12WZ**	-26	M26X1.5	20	-12	18	99,9	3.93	61,4	2.42	15,0	0.59	24,6	32	0.210	0.463
20441-26-08TZ*	-26	M26X1.5	12	-08	18	78,8	3.10	47,3	1.86	10,0	0.39	21,0	32	0.154	0.340
20441-30-10TZ*	-30	M30X2	16	-10	22	90,4	3.56	56,4	2.22	12,0	0.47	24,1	36	0.196	0.432
20441-30-12TZ*	-30	M30X2	20	-12	22	101, 7	4.00	63,2	2.49	15,0	0.59	25,6	36	0.240	0.529
20441-36-12TZ*	-36	M36X2	20	-12	28	100, 0	3.94	61,5	2.42	15,0	0.59	25,6	41	0.360	0.794
20441-36-16WZ**	-36	M36X2	25	-16	28	124, 6	4.91	77,6	3.06	21,0	0.83	32,0	41	0.388	0.855
20441-45-16TZ*	-45	M45X2	25	-16	35	124, 2	4.90	77,5	3.05	21,0	0.83	32,0	50	0.590	1.301
20441-45-20TZ*	-45	M45X2	32	-20	35	145, 7	5.62	88,7	3.49	27,0	1.06	38,0	50	0.716	1.579
20441-52-20TZ*	-52	M52X2	32	-20	42	144, 3	5.68	90,3	3.56	27,0	1.06	38,0	60	0.813	1.792
20441-52-24TZ*	-52	M52X2	40	-24	42	185, 5	7.19	114,5	4.51	32,0	1.26	43,7	60	1.100	2.425

DIN 24° Female 90° Elbow



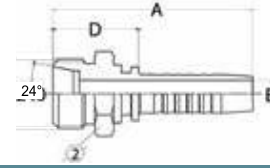
Style1



Style 2

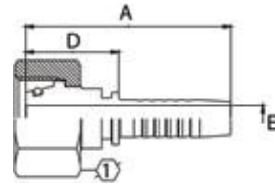
# Part Number	Terminal End	 Thread	 Hose Size		A		D Cut Off Factor		E Ø		H				 Weight	
	Dash Size		DN	Dash Size	mm	in	mm	in	mm	in	mm	in	mm	mm	kg	lb
20491-12-04WZ**	-12	M12X1.5	6	-04	55,0	2.17	27,0	1.06	4,0	0.16	30,0	1.18	17	--	0,040	0.088
20491-14-04WZ**	-14	M14X1.5	6	-04	58,0	2.28	30,0	1.18	4,0	0.16	30,5	1.20	17	--	0,042	0.093
20491-14-05WZ**	-14	M14X1.5	8	-05	58,0	2.28	30,0	1.18	5,5	0.22	30,5	1.20	17	--	0,046	0.101
20491-14-06WZ**	-14	M14X1.5	10	-06	60,0	2.36	30,0	1.18	7,0	0.28	30,5	1.20	17	--	0,050	0.110
20491-16-04TZ*	-16	M16X1.5	6	-04	58,0	2.28	30,0	1.18	4,0	0.16	30,5	1.20	19	--	0,050	0.110
20491-16-05WZ**	-16	M16X1.5	8	-05	61,0	2.40	33,0	1.30	5,5	0.22	33,0	1.30	19	--	0,070	0.154
20491-16-06WZ**	-16	M16X1.5	10	-06	65,0	2.56	35,0	1.38	7,0	0.28	33,0	1.30	19	--	0,064	0.141
20491-18-04TZ*	-18	M18X1.5	6	-04	58,0	2.28	30,0	1.18	4,0	0.16	30,5	1.20	22	--	0,074	0.163
20491-18-05TZ*	-18	M18X1.5	8	-05	61,0	2.40	33,0	1.30	5,5	0.22	33,5	1.32	22	--	0,077	0.170
20491-18-06TZ*	-18	M18X1.5	10	-06	67,0	2.64	37,0	1.46	7,0	0.28	36,0	1.42	22	--	0,075	0.165
20491-18-08WZ**	-18	M18X1.5	12	-08	70,5	2.78	39,0	1.54	10,0	0.39	37,0	1.46	22	--	0,090	0.198
20491-22-10WZ**	-22	M22X1.5	16	-10	79,0	3.11	45,0	1.77	12,0	0.47	44,5	1.75	27	--	0,145	0.320
20491-22-05TZ*	-22	M22X1.5	8	-05	61,0	2.40	33,0	1.30	5,5	0.22	34,5	1.36	27	--	0,092	0.203
20491-22-06TZ*	-22	M22X1.5	10	-06	64,5	2.54	34,5	1.36	7,0	0.28	36,0	1.42	27	--	0,110	0.243
20491-22-08TZ*	-22	M22X1.5	12	-08	73,5	2.89	42,0	1.65	10,0	0.39	41,5	1.63	27	--	0,126	0.278
20491-26-10TZ*	-26	M26X1.5	16	-10	85,2	3.35	51,2	2.02	12,0	0.47	51,5	2.03	32	--	0,210	0.463
20491-26-12WZ**	-26	M26X1.5	20	-12	94,0	3.70	55,5	2.19	15,0	0.59	51,5	2.03	32	--	0,242	0.534
20491-26-08TZ*	-26	M26X1.5	12	-08	71,0	2.80	39,5	1.56	10,0	0.39	42,9	1.69	32	--	0,160	0.353
20491-30-10TZ*	-30	M30X2	16	-10	83,0	3.27	49,0	1.93	12,0	0.47	51,5	2.03	36	--	0,255	0.562
20491-30-12TZ*	-30	M30X2	20	-12	95,5	3.76	57,0	2.24	15,0	0.59	56,0	2.20	36	--	0,293	0.646
20491-30-16WZ*	-30	M30x2	25	-16	11,25	0.44	65,5	2.58	21,0	0.83	61,5	2.42	36,0	--	0,380	0.838
20491-36-10TZ*	-36	M36X2	16	-10	83,0	3.27	49,0	1.93	12,0	0.47	56,5	2.22	41	--	0,290	0.639
20491-36-12TZ*	-36	M36X2	20	-12	93,8	3.69	55,3	2.18	15,0	0.59	56,0	2.20	41	--	0,422	0.930
20491-36-16WZ**	-36	M36X2	25	-16	118,0	4.65	71,0	2.80	21,0	0.83	68,5	2.70	41	--	0,450	0.992
20491-45-16TZ*	-45	M45X2	25	-16	118,0	4.65	71,0	2.80	21,0	0.83	69,5	2.74	50	--	0,660	1.455
20491-45-24WZ**	-45	M45X2	40	-24	169,5	6.67	101,5	4.00	32,0	1.26	91,5	3.60	50	--	0,900	1.984
20491-45-20TZ*	-45	M45X2	32	-20	135,5	5.33	81,5	3.21	27,0	1.06	78,5	3.09	50	--	0,850	1.874
20491-52-20TZ*	-52	M52X2	32	-20	137,0	5.39	83,0	3.27	27,0	1.06	81,0	3.19	60	--	0,913	2.013
20491-52-24TZ*	-52	M52X2	40	-24	177,5	6.99	109,4	4.31	32,0	1.26	100,5	3.96	60	--	1,470	3.241

DIN 24° Male Rigid

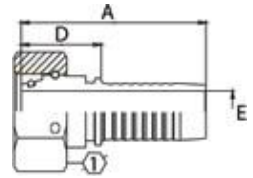


# Part Number	Terminal End	 Thread	 Hose Size		A		D Cut Off Factor		E Ø				 Weight	
	Dash Size		DN	Dash Size	mm	in	mm	in	mm	in	mm	mm	kg	lb
10511-14-04Z	-14	M14x1.5	6	-04	52,5	2.07	24,5	0.96	4,0	0.16	--	14	0,025	0.055
10511-16-04Z	-16	M16x1.5	6	-04	54,5	2.15	26,5	1.04	4,0	0.16	--	17	0,036	0.079
10511-18-04Z	-18	M18x1.5	6	-04	54,5	2.15	26,5	1.04	4,0	0.16	--	19	0,040	0.088
10511-18-06Z	-18	M18x1.5	10	-06	56,5	2.22	26,5	1.04	7,0	0.28	--	19	0,045	0.099
10511-20-05Z	-20	M20x1.5	8	-05	55,0	2.17	27,0	1.06	5,5	0.22	--	22	0,052	0.114
10511-20-06Z	-20	M20x1.5	10	-06	56,5	2.22	26,5	1.04	7,0	0.28	--	22	0,060	0.132
10511-22-06Z	-22	M22x1.5	10	-06	60,5	2.38	30,5	1.20	7,0	0.28	--	24	0,070	0.154
10511-22-08Z	-22	M22x1.5	12	-08	62,5	2.46	31,0	1.22	10,0	0.39	--	24	0,080	0.176
10511-24-08Z	-24	M24x1.5	12	-08	63,0	2.48	31,5	1.24	10,0	0.39	--	27	0,090	0.198
10511-30-10Z	-30	M30x2	16	-10	68,5	2.70	34,5	1.36	12,0	0.47	--	32	0,140	0.308
10511-30-12Z	-30	M30x2	20	-12	74,5	2.93	36,0	1.42	15,0	0.59	--	32	0,150	0.330
10511-36-12Z	-36	M36x2	20	-12	79,0	3.11	40,5	1.59	15,0	0.59	--	41	0,255	0.561
10511-36-16Z	-36	M36x2	25	-16	88,6	3.49	41,5	1.63	21,0	0.83	--	38	0,245	0.539
10511-42-16Z	-42	M42x2	25	-16	91,0	3.58	44,0	1.73	21,0	0.83	--	46	0,336	0.739

DIN 24° Female Swivel



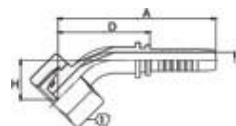
Style 1



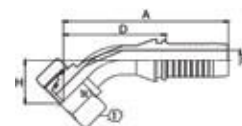
Style 2

# Part Number	Terminal End	 Thread	 Hose Size		A		D Cut Off Factor		E Ø				 Weight	
	Dash Size		DN	Dash Size	mm	in	mm	in	mm	in	mm	mm	kg	lb
20511-14-04WZ**	-14	M14X1.5	6	-04	51,0	2.01	23,0	0.91	4,0	0.16	17	--	0,030	0.066
20511-16-04TZ*	-16	M16X1.5	6	-04	48,5	1.91	20,5	0.81	4,0	0.16	19	--	0,026	0.057
20511-16-05WZ**	-16	M16X1.5	8	-05	51,0	2.01	23,0	0.91	5,5	0.22	19	--	0,047	0.104
20511-16-06WZ**	-16	M16X1.5	10	-06	53,0	2.09	23,0	0.91	7,0	0.28	19	--	0,045	0.099
20511-18-04TZ*	-18	M18X1.5	6	-04	53,5	2.11	25,5	1.00	4,0	0.16	22	--	0,053	0.117
20511-18-05TZ*	-18	M18X1.5	8	-05	53,5	2.11	25,5	1.00	5,5	0.22	22	--	0,051	0.112
20511-18-06TZ*	-18	M18X1.5	10	-06	56,0	2.20	26,0	1.02	7,0	0.28	22	--	0,054	0.119
20511-20-04TZ*	-20	M20X1.5	6	-04	54,5	2.15	26,5	1.04	4,0	0.16	24	--	0,060	0.132
20511-20-05TZ*	-20	M20X1.5	8	-05	54,5	2.15	26,5	1.04	5,5	0.22	24	--	0,065	0.143
20511-20-06TZ*	-20	M20X1.5	10	-06	56,5	2.22	26,5	1.04	7,0	0.28	24	--	0,065	0.143
20511-20-08WZ**	-20	M20X1.5	12	-08	57,0	2.24	25,5	1.00	10,0	0.39	24	--	0,076	0.168
20511-22-06TZ*	-22	M22X1.5	10	-06	56,5	2.22	26,5	1.04	7,0	0.28	27	--	0,090	0.198
20511-22-08TZ*	-22	M22X1.5	12	-08	59,0	2.32	27,5	1.08	10,0	0.39	27	--	0,088	0.194
20511-24-10WZ**	-24	M24X1.5	16	-10	60,5	2.38	26,5	1.04	12,0	0.47	30	--	0,126	0.278
20511-24-06TZ*	-24	M24X1.5	10	-06	57,0	2.24	27,0	1.06	7,0	0.28	30	--	0,100	0.220
20511-24-08TZ*	-24	M24X1.5	12	-08	59,0	2.32	27,5	1.08	10,0	0.39	30	--	0,106	0.234
20511-30-10TZ*	-30	M30X2	16	-10	67,0	2.64	33,0	1.30	12,0	0.47	36	--	0,180	0.397
20511-30-12TZ*	-30	M30X2	20	-12	73,5	2.89	35,0	1.38	15,0	0.59	36	--	0,195	0.430
20511-30-08TZ*	-30	M30X2	12	-08	64,0	2.52	32,5	1.28	10,0	0.39	36	--	0,170	0.375
20511-36-12TZ*	-36	M36X2	20	-12	73,5	2.89	35,0	1.38	15,0	0.59	46	--	0,300	0.661
20511-36-16WZ**	-36	M36X2	25	-16	78,5	3.09	31,5	1.24	21,0	0.83	46	--	0,330	0.728
20511-42-12TZ*	-42	M42X2	20	-12	76,0	2.99	37,5	1.48	15,0	0.59	50	--	0,362	0.798
20511-42-16TZ*	-42	M42X2	25	-16	85,5	3.37	38,5	1.52	21,0	0.83	50	--	0,370	0.816
20511-42-20WZ**	-42	M42X2	32	-20	85,5	3.37	31,5	1.24	27,0	1.06	50	--	0,404	0.891
20511-52-20TZ*	-52	M52X2	32	-20	95,5	3.76	41,5	1.63	27,0	1.06	60	--	0,626	1.380
20511-52-24TZ*	-52	M52X2	40	-24	109,5	4.31	41,5	1.63	32,0	1.26	60	--	0,700	1.543

DIN 24° Female 45° Elbow



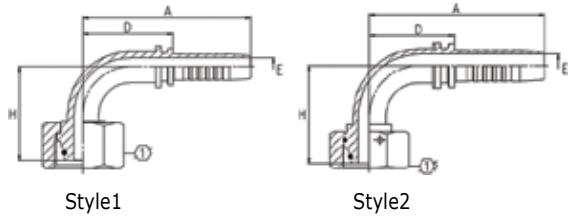
Style 1



Style 2

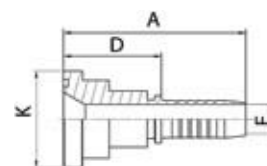
# Part Number	Terminal End	 Thread	 Hose Size		A		D Cut Off Factor		E Ø		H		 1	 2	 Weight	
	Dash Size		DN	Dash Size	mm	in	mm	in	mm	in	mm	in	mm	mm	kg	lb
20541-16-04TZ*	-16	M16X1.5	6	-04	66,4	2.61	38,4	1.51	4,0	0.16	16,3	0.64	19	--	0,045	0.099
20541-18-04TZ*	-18	M18X1.5	6	-04	67,1	2.64	39,1	1.54	4,0	0.16	17,0	0.67	22	--	0,058	0.128
20541-18-06TZ*	-18	M18X1.5	10	-06	73,8	2.91	43,8	1.72	7,0	0.28	17,3	0.68	22	--	0,062	0.137
20541-20-06TZ*	-20	M20X1.5	10	-06	72,5	2.85	42,5	1.67	7,0	0.28	18,5	0.73	24	--	0,085	0.187
20541-22-08TZ*	-22	M22X1.5	12	-08	81,1	3.19	49,6	1.95	10,0	0.39	20,7	0.81	27	--	0,118	0.260
20541-22-06TZ	-22	M22x1.5	10	-06	72,0	2.84	42,0	1.65	7,0	0.28	18,0	0.71	27	--	0,105	0.231
20541-24-06TZ*	-24	M24X1.5	10	-06	72,3	2.85	42,3	1.67	7,0	0.28	18,4	0.72	30	--	0,114	0.251
20541-24-08TZ*	-24	M24X1.5	12	-08	78,8	3.10	47,3	1.86	10,0	0.39	21,0	0.83	30	--	0,142	0.313
20541-30-10TZ*	-30	M30X2	16	-10	91,3	3.59	57,3	2.26	12,0	0.47	25,0	0.98	36	--	0,250	0.551
20541-30-12TZ*	-30	M30X2	20	-12	104,3	4.11	65,8	2.59	15,0	0.59	26,7	1.05	36	--	0,248	0.547
20541-36-12TZ*	-36	M36X2	20	-12	105,6	4.16	67,1	2.64	15,0	0.59	30,5	1.20	46	--	0,400	0.882
20541-36-16WZ**	-36	M36X2	25	-16	124,4	4.90	77,4	3.05	21,0	0.83	31,2	1.23	46	--	0,450	0.992
20541-42-16TZ*	-42	M42X2	25	-16	128,0	5.04	81,0	3.19	21,0	0.83	35,5	1.40	50	--	0,540	1.190
20541-52-20TZ*	-52	M52X2	32	-20	155,7	6.13	94,2	3.71	27,0	1.06	42,0	1.65	60	--	0,813	1.792
20541-52-24TZ*	-52	M52X2	40	-24	182,1	7.17	114,1	4.49	32,0	1.26	43,4	1.71	60	--	1,284	2.831

DIN 24° Female 90° Elbow

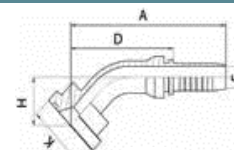


# Part Number	Terminal End	 Thread	 Hose Size		A		D Cut Off Factor		E Ø		H		 1	 2	 Weight	
	Dash Size		DN	Dash Size	mm	in	mm	in	mm	in	mm	in	mm	mm	kg	lb
20591-14-04WZ**	-14	M14X1.5	6	-04	58,0	2.28	30,0	1.18	4,0	0.16	30,5	1.20	17	--	0,045	0.099
20591-16-04TZ*	-16	M16X1.5	6	-04	58,0	2.28	30,0	1.18	4,0	0.16	31,0	1.22	19	--	0,040	0.088
20591-16-05WZ**	-16	M16X1.5	8	-05	58,0	2.28	30,0	1.18	5,5	0.22	31,0	1.22	19	--	0,050	0.110
20591-16-06WZ**	-16	M16X1.5	10	-06	60,0	2.36	30,0	1.18	7,0	0.28	31,0	1.22	19	--	0,059	0.130
20591-18-04TZ*	-18	M18X1.5	6	-04	58,0	2.28	30,0	1.18	4,0	0.16	32,0	1.26	22	--	0,065	0.144
20591-18-05TZ*	-18	M18X1.5	8	-05	61,0	2.40	33,0	1.30	5,5	0.22	33,5	1.32	22	--	0,050	0.110
20591-18-06TZ*	-18	M18X1.5	10	-06	67,0	2.64	37,0	1.46	7,0	0.28	35,0	1.38	22	--	0,078	0.172
20591-20-05TZ*	-20	M20X1.5	8	-05	61,0	2.40	33,0	1.30	5,5	0.22	34,0	1.34	24	--	0,080	0.176
20591-20-06TZ*	-20	M20X1.5	10	-06	64,5	2.54	34,5	1.36	7,0	0.28	35,5	1.40	24	--	0,094	0.207
20591-20-08WZ**	-20	M20X1.5	12	-08	69,5	2.74	38,0	1.50	10,0	0.39	38,0	1.50	24	--	0,098	0.216
20591-22-06TZ*	-22	M22X1.5	10	-06	64,5	2.54	34,5	1.36	7,0	0.28	36,0	1.42	27	--	0,114	0.251
20591-22-08TZ*	-22	M22X1.5	12	-08	73,5	2.89	42,0	1.65	10,0	0.39	42,5	1.67	27	--	0,136	0.300
20591-24-06TZ*	-24	M24X1.5	10	-06	64,5	2.54	34,5	1.36	7,0	0.28	36,5	1.44	30	--	0,125	0.276
20591-24-08TZ*	-24	M24X1.5	12	-08	71,0	2.80	39,5	1.56	10,0	0.39	43,0	1.69	30	--	0,136	0.300
20591-30-08TZ*	-30	M30X2	12	-08	76,0	2.99	44,5	1.75	10,0	0.39	46,0	1.81	36	--	0,196	0.432
20591-30-10TZ*	-30	M30X2	16	-10	83,0	3.27	49,0	1.93	12,0	0.47	49,5	1.95	36	--	0,265	0.584
20591-30-12TZ*	-30	M30X2	20	-12	94,3	3.71	55,8	2.20	15,0	0.59	54,5	2.15	36	--	0,265	0.584
20591-36-12TZ*	-36	M36X2	20	-12	94,5	3.72	56,0	2.20	15,0	0.59	59,0	2.32	46	--	0,482	1.063
20591-36-16WZ**	-36	M36X2	25	-16	112,5	4.43	65,5	2.58	21,0	0.83	63,5	2.50	46	--	0,500	1.102
20591-42-16TZ*	-42	M42X2	25	-16	118,0	4.65	71,0	2.80	21,0	0.83	70,0	2.76	50	--	0,610	1.345
20591-52-20TZ*	-52	M52X2	32	-20	147,0	5.79	93,0	3.66	27,0	1.06	86,5	3.41	60	--	0,945	2.083
20591-52-24TZ*	-52	M52X2	40	-24	168,0	6.61	100,0	3.94	32,0	1.26	109,4	4.31	60	--	1,630	3.594

Code 61 Flange Straight



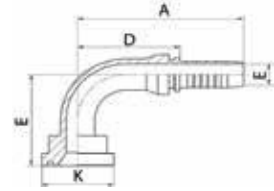
# Part Number	Terminal End	K		Hose Size		A		D Cut Off Factor		E Ø		Weight	
	Dash Size	mm	in	DN	Dash Size	mm	in	mm	in	mm	in	kg	lb
87311-08-08Z	-08	30.2	1.19	12	-08	77,5	3.05	46,0	1.81	10,0	0.39	0,11	0.24
87311-12-08Z	-12	38,1	1.50	12	-08	78,5	3.09	47,0	1.85	10,0	0.39	0,165	0.364
87311-12-10Z	-12	38.1	1.50	16	-10	81,5	3.21	47,5	1.87	12,0	0.47	0,20	0.44
87311-12-12Z	-12	38.1	1.50	20	-12	86,5	3.41	48,0	1.89	15,0	0.59	0,21	0.46
87311-12-16Z	-12	38.1	1.50	25	-16	96,0	3.78	49,0	1.93	21,0	0.83	0,26	0.58
87311-16-12Z	-16	44.4	1.75	20	-12	89,5	3.52	51,0	2.01	15,0	0.59	0,24	0.52
87311-16-16Z	-16	44.4	1.75	25	-16	99,0	3.90	52,0	2.05	21,0	0.83	0,30	0.65
87311-16-20Z	-16	44.4	1.75	32	-20	107,0	4.21	53,0	2.09	27,0	1.06	0,37	0.81
87311-20-16Z	-20	50.8	2.00	25	-16	104,0	4.09	57,0	2.24	21,0	0.83	0,35	0.78
87311-20-20Z	-20	50.8	2.00	32	-20	112,0	4.41	58,0	2.28	27,0	1.06	0,44	0.97
87311-20-24Z	-20	50.8	2.00	40	-24	129,0	5.08	61,0	2.40	32,0	1.26	0,51	1.11
87311-24-20Z	-24	60.3	2.37	32	-20	122,0	4.80	68,0	2.68	27,0	1.06	0,60	1.32
87311-24-24Z	-24	60.3	2.37	40	-24	136,0	5.35	68,0	2.68	32,0	1.26	0,68	1.50
87311-32-20Z	-32	71.4	2.81	32	-20	124,0	4.88	70,0	2.76	27,0	1.06	0,65	1.43
87311-32-24Z	-32	71.4	2.81	40	-24	138,0	5.43	70,0	2.76	32,0	1.26	0,81	1.78
87311-32-32Z	-32	71.4	2.81	50	-32	142,0	5.59	70,0	2.76	43,0	1.69	1,04	2.29



Code 61 Flange 45° Elbow

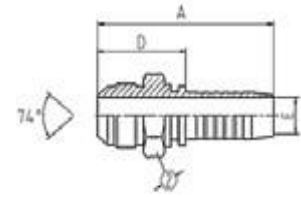
# Part Number	Terminal End	K		Hose Size		A		D Cut Off Factor		E Ø		H		Weight	
	Dash Size	mm	in	DN	Dash Size	mm	in	mm	in	mm	in	mm	in	kg	lb
87341-08-08Z	-08	30.2	1.19	12	-08	83,4	3.28	58,2	2.29	10,0	0.39	23,3	0.92	0,11	0.24
87341-12-08Z	-12	38,1	1.50	12	-08	90,4	3.56	58,9	2.32	10,0	0.39	24,0	0.94	0,152	0.0335
87341-12-12Z	-12	38.1	1.50	20	-12	108,4	4.27	76,3	3.00	15,0	0.59	28,9	1.14	0,27	0.58
87341-12-16Z	-12	38.1	1.50	25	-16	115,8	4.56	84,7	3.33	21,0	0.83	29,7	1.17	0,33	0.73
87341-16-12Z	-16	44.4	1.75	20	-12	114,7	4.52	76,3	3.00	15,0	0.59	28,9	1.14	0,30	0.65
87341-16-16Z	-16	44.4	1.75	25	-16	121,3	4.78	83,9	3.30	21,0	0.83	29,7	1.17	0,36	0.79
87341-16-20Z	-16	44.4	1.75	32	-20	130,9	5.15	94,5	3.72	27,0	1.06	33,8	1.33	0,47	1.03
87341-20-16Z	-20	50.8	2.00	25	-16	129,0	5.08	85,2	3.35	21,0	0.83	29,7	1.17	0,40	0.87
87341-20-20Z	-20	50.8	2.00	32	-20	137,3	5.41	94,5	3.72	27,0	1.06	33,8	1.33	0,51	1.12
87341-20-24Z	-20	50.8	2.00	38	-24	145,8	5.74	103,0	4.06	32,0	1.26	33,8	1.33	0,66	1.46
87341-24-20Z	-24	60.3	2.37	32	-20	148,2	5.83	95,9	3.78	27,0	1.06	35,2	1.39	0,58	1.28
87341-24-24Z	-24	60.3	2.37	38	-24	162,2	6.39	109,9	4.33	32,0	1.26	39,1	1.54	0,95	2.09
87341-24-32Z	-24	60.3	2.37	50	-32	180,9	7.12	128,6	5.06	43,0	1.69	41,3	1.63	1,22	2.69
87341-32-24Z	-32	71.4	2.81	38	-24	173,3	6.82	109,9	4.33	32,0	1.26	39,1	1.54	1,05	2.31
87341-32-32Z	-32	71.4	2.81	50	-32	192,7	7.59	129,3	5.09	46,0	1.81	46,3	1.82	1,54	3.39

Code 61 Flange 90° Elbow



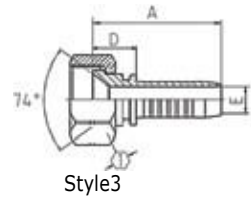
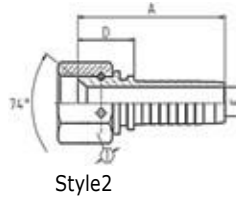
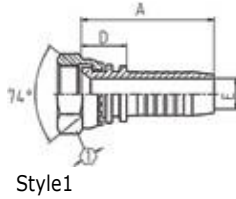
# Part Number	Terminal End	K		Hose Size		A		D Cut Off Factor		E Ø		H		Weight	
	Dash Size	mm	in	DN	Dash Size	mm	in	mm	in	mm	in	mm	in	kg	lb
87391-08-08Z	-08	30.2	1.19	12	-08	72,5	2.85	41,0	1.61	10,0	0.39	47,0	1.85	0,122	0.268
87391-12-08Z	-12	38,1	1.50	12	-08	72,5	2.85	41,0	1.61	10,0	0.39	48,0	1.89	0,164	0.361
87391-12-10Z	-12	38.1	1.50	16	-10	90,0	3.54	56,0	2.20	12,0	0.47	52,5	2.07	0,220	0.484
87391-12-12Z	-12	38.1	1.50	20	-12	104,7	4.12	66,2	2.61	15,0	0.59	62,0	2.44	0,320	0.704
87391-12-16Z	-12	38.1	1.50	25	-16	123,7	4.87	76,7	3.02	21,0	0.83	67,5	2.66	0,384	0.845
87391-16-12Z	-16	44.4	1.75	20	-12	104,0	4.09	65,5	2.58	15,0	0.59	62,0	2.44	0,370	0.814
87391-16-16Z	-16	44.4	1.75	25	-16	123,7	4.87	76,7	3.02	21,0	0.83	67,5	2.66	0,425	0.935
87391-16-20Z	-16	44.4	1.75	32	-20	145,5	5.73	91,5	3.60	27,0	1.06	78,5	3.09	0,592	1.302
87391-20-12Z	-20	50.8	2.00	20	-12	104,7	4.12	66,2	2.61	15,0	0.59	62,0	2.44	0,388	0.853
87391-20-16Z	-20	50.8	2.00	25	-16	123,7	4.87	76,7	3.02	21,0	0.83	67,5	2.66	0,460	1.012
87391-20-20Z	-20	50.8	2.00	32	-20	145,5	5.73	91,5	3.60	27,0	1.06	78,5	3.09	0,636	1.399
87391-20-24Z	-20	50.8	2.00	40	-24	175,0	6.89	107,0	4.21	32,0	1.26	78,5	3.09	0,902	1.984
87391-24-16Z	-24	60.3	2.37	25	-16	123,7	4.87	76,7	3.02	21,0	0.83	69,5	2.74	0,538	1.184
87391-24-20Z	-24	60.3	2.37	32	-20	145,5	5.73	91,5	3.60	27,0	1.06	80,5	3.17	0,700	1.540
87391-24-24Z	-24	60.3	2.37	40	-24	177,4	6.98	109,4	4.31	32,0	1.26	94,0	3.70	1,212	2.666
87391-32-24Z	-32	71.4	2.81	40	-24	177,4	6.98	109,4	4.31	32,0	1.26	94,0	3.70	1,344	2.957
87391-32-32Z	-32	71.4	2.81	50	-32	203,8	8.02	131,8	5.19	43,0	1.69	114,3	4.50	2,200	4.840

JIC 37° Male Rigid



# Part Number	Terminal End	 Thread	 Hose Size		A		D Cut Off Factor		E Ø				 Weight	
	Dash Size		DN	Dash Size	mm	in	mm	in	mm	in	mm	mm	kg	lb
16711-04-04Z	-04	7/16"-20	6	-04	54,5	2.15	26,5	1.04	4,0	0.16	--	12	0,024	0.053
16711-04-08Z	-04	7/16"-20	12	-08	58,5	2.30	27,0	1.06	10,0	0.39	--	19	0,045	0.099
16711-05-04Z	-05	1/2"-20	6	-04	54,5	2.15	26,5	1.04	4,0	0.16	--	14	0,024	0.053
16711-05-05Z	-05	1/2"-20	8	-05	54,5	2.15	26,5	1.04	5,5	0.22	--	14	0,025	0.055
16711-05-06Z	-05	1/2"-20	10	-06	56,5	2.22	26,5	1.04	7,0	0.28	--	17	0,032	0.071
16711-06-04Z	-06	9/16"-18	6	-04	54,5	2.15	26,5	1.04	4,0	0.16	--	17	0,030	0.066
16711-06-05Z	-06	9/16"-18	8	-05	54,5	2.15	26,5	1.04	5,5	0.22	--	17	0,030	0.066
16711-06-06Z	-06	9/16"-18	10	-06	56,5	2.22	26,5	1.04	7,0	0.28	--	17	0,034	0.075
16711-06-08Z	-06	9/16"-18	12	-08	58,5	2.30	27,0	1.06	10,0	0.39	--	19	0,046	0.101
16711-08-04Z	-08	3/4"-16	6	-04	59,5	2.34	26,7	1.05	4,0	0.16	--	19	0,045	0.099
16711-08-06Z	-08	3/4"-16	10	-06	61,5	2.42	31,5	1.24	7,0	0.28	--	22	0,062	0.137
16711-08-08Z	-08	3/4"-16	12	-08	63,5	2.50	32,0	1.26	9,9	0.39	--	22	0,064	0.141
16711-10-06Z	-10	7/8"-14	10	-06	63,5	2.50	33,5	1.32	7,0	0.28	--	24	0,070	0.154
16711-10-08Z	-10	7/8"-14	12	-08	65,5	2.58	34,0	1.34	10,0	0.39	--	24	0,084	0.185
16711-10-10Z	-10	7/8"-14	16	-10	69,0	2.72	35,0	1.38	12,0	0.47	--	24	0,092	0.203
16711-10-12Z	-10	7/8"-14	20	-12	75,5	2.97	37,0	1.46	15,0	0.59	--	27	0,130	0.287
16711-12-08Z	-12	1.1/16"-12	12	-08	70,0	2.76	38,5	1.52	10,0	0.39	--	30	0,116	0.256
16711-12-10Z	-12	1.1/16"-12	16	-10	73,5	2.89	39,5	1.56	12,0	0.47	--	30	0,120	0.265
16711-12-12Z	-12	1.1/16"-12	20	-12	78,5	3.09	40,0	1.57	15,0	0.59	--	30	0,140	0.309
16711-12-16Z	-12	1.1/16"-12	25	-16	89,5	3.52	42,5	1.67	21,0	0.83	--	32	0,198	0.437
16711-14-12Z	-14	1.3/16"-12	20	-12	79,0	3.11	40,5	1.59	15,0	0.59	--	32	0,162	0.357
16711-16-12Z	-16	1.5/16"-12	20	-12	81,5	3.21	43,0	1.69	15,0	0.59	--	36	0,190	0.419
16711-16-16Z	-16	1.5/16"-12	25	-16	90,5	3.56	43,5	1.71	21,0	0.83	--	36	0,206	0.454
16711-20-16Z	-20	1.5/8"-12	25	-16	94,0	3.70	47,0	1.85	21,0	0.83	--	46	0,336	0.741
16711-20-20Z	-20	1.5/8"-12	32	-20	101,0	3.98	47,0	1.85	27,0	1.06	--	46	0,370	0.816
16711-24-20Z	-24	1.7/8"-12	32	-20	107,0	4.21	53,0	2.09	27,0	1.06	--	50	0,495	1.091
16711-24-24Z	-24	1.7/8"-12	38	-24	121,0	4.76	53,0	2.09	32,0	1.26	--	50	0,542	1.195
16711-32-32Z	-32	2.1/2"-12	50	-32	134,0	5.28	62,0	2.44	43,0	1.69	--	65	1,060	2.337

JIC 37° Female Swivel



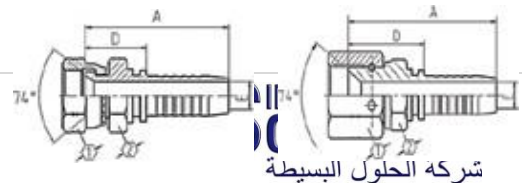
# Part Number	Terminal End	 Thread	 Hose Size		A		D Cut Off Factor		E Ø		 1	 2	 Weight	
	Dash Size		DN	Dash Size	mm	in	mm	in	mm	in	mm	mm	kg	lb
26711-04-03Z*	-04	7/16"-20	5	-03	35,5	1.40	14,0	0.55	3,0	0.12	14	--	0,015	0.033
26711-04-04Z*	-04	7/16"-20	6	-04	43,0	1.69	15,0	0.59	4,0	0.16	14	--	0,020	0.044
26711-04-05Z*	-04	7/16"-20	8	-05	43,0	1.69	15,0	0.59	5,5	0.22	14	--	0,022	0.049
26711-04-06Z*	-04	7/16"-20	10	-06	44,5	1.75	14,5	0.57	7,0	0.28	14	--	0,028	0.062
26711-05-04Z*	-05	1/2"-20	6	-04	43,5	1.71	15,5	0.61	4,0	0.16	17	--	0,026	0.057
26711-05-05Z*	-05	1/2"-20	8	-05	43,5	1.71	15,5	0.61	5,5	0.22	17	--	0,025	0.055
26711-05-06Z*	-05	1/2"-20	10	-06	45,5	1.79	15,5	0.61	7,0	0.28	17	--	0,032	0.071
26711-06-04Z*	-06	9/16"-18	6	-04	43,5	1.71	15,5	0.61	4,0	0.16	19	--	0,032	0.071
26711-06-05Z*	-06	9/16"-18	8	-05	43,5	1.71	15,5	0.61	5,5	0.22	19	--	0,035	0.077
26711-06-06Z*	-06	9/16"-18	10	-06	45,5	1.79	15,5	0.61	7,0	0.28	19	--	0,037	0.082
26711-06-08Z*	-06	9/16"-18	12	-08	47,5	1.87	16,0	0.63	10,0	0.39	19	--	0,046	0.101
26711-08-04TZ***	-08	3/4"-16	6	-04	43,5	1.71	15,5	0.61	4,0	0.16	24	--	0,054	0.119
26711-08-06Z*	-08	3/4"-16	10	-06	47,5	1.87	17,5	0.69	7,0	0.28	22	--	0,054	0.119
26711-08-08Z*	-08	3/4"-16	12	-08	50,0	1.97	18,5	0.73	9,9	0.39	22	--	0,060	0.132
26711-08-10Z*	-08	3/4"-16	16	-10	52,0	2.05	18,0	0.71	12,0	0.47	22	--	0,078	0.172
26711-08-12Z*	-08	3/4"-16	20	-12	58,0	2.28	19,5	0.77	15,0	0.59	22	--	0,078	0.172
26711-10-06TZ***	-10	7/8"-14	10	-06	47,5	1.87	17,5	0.69	7,0	0.28	27	--	0,080	0.176
26711-10-08Z*	-10	7/8"-14	12	-08	50,5	1.99	19,0	0.75	10,0	0.39	27	--	0,090	0.198
26711-10-10Z*	-10	7/8"-14	16	-10	53,5	2.11	19,5	0.77	12,0	0.47	27	--	0,100	0.220
26711-10-12Z*	-10	7/8"-14	20	-12	58,5	2.30	20,0	0.79	15,0	0.59	27	--	0,110	0.243
26711-12-08TZ***	-12	1.1/16"-12	12	-08	51,0	2.01	19,5	0.77	10,0	0.39	32	--	0,128	0.282
26711-12-10Z*	-12	1.1/16"-12	16	-10	55,0	2.17	21,0	0.83	12,0	0.47	32	--	0,120	0.265
26711-12-12Z*	-12	1.1/16"-12	20	-12	60,0	2.36	21,5	0.85	15,0	0.59	32	--	0,130	0.287
26711-12-16Z*	-12	1.1/16"-12	25	-16	70,0	2.76	23,0	0.91	21,0	0.83	32	--	0,172	0.379
26711-14-12Z*	-14	1.3/16"-12	20	-12	60,0	2.36	21,5	0.85	15,0	0.59	36	--	0,154	0.340
26711-14-16Z*	-14	1.3/16"-12	25	-16	69,5	2.74	22,5	0.89	21,0	0.83	36	--	0,170	0.375
26711-16-12TZ***	-16	1.5/16"-12	20	-12	57,0	2.24	18,5	0.73	15,0	0.59	41	--	0,215	0.474
26711-16-16Z*	-16	1.5/16"-12	25	-16	70,0	2.76	23,0	0.91	21,0	0.83	41	--	0,210	0.463
26711-16-20Z*	-16	1.5/16"-12	32	-20	78,0	3.07	24,0	0.94	27,0	1.06	41	--	0,306	0.675
26711-20-16TZ***	-20	1.5/8"-12	25	-16	70,0	2.76	23,0	0.91	21,0	0.83	50	--	0,340	0.750
26711-20-20WZ**	-20	1.5/8"-12	32	-20	78,5	3.09	24,5	0.96	27,0	1.06	50	--	0,400	0.882
26711-24-20TZ***	-24	1.7/8"-12	32	-20	79,0	3.11	25,0	0.98	27,0	1.06	60	--	0,490	1.080
26711-24-24WZ**	-24	1.7/8"-12	38	-24	94,5	3.72	26,5	1.04	32,0	1.26	60	--	0,568	1.252
26711-32-24TZ***	-32	2.1/2"-12	38	-24	95,0	3.74	27,0	1.06	32,0	1.26	75	--	0,920	2.028
26711-32-32TZ***	-32	2.1/2"-12	50	-32	99,0	3.90	27,0	1.06	43,0	1.69	75	--	1,072	2.363

* Denotes Style 1 design

** Denotes Style 2 design

*** Denotes Style 3 design

1. Same nipple configuration as 26711D without back up hex



JIC 37° Female Swivel

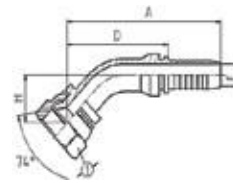
* Denotes Style 1 design

** Denotes Style 2 design

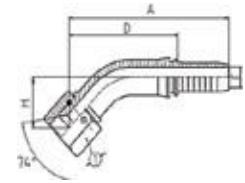
1. Same nipple configuration as 26711 with back up hex

# Part Number	Terminal End	 Thread	 Hose Size		A		D Cut Off Factor		E Ø				 Weight	
	Dash Size		DN	Dash Size	mm	in	mm	in	mm	in	mm	mm	kg	lb
26711D-04-04Z*	-04	7/16"-20	6	-04	48,0	1.89	20,0	0.79	4,0	0.16	14	14	0,040	0.088
26711D-04-04SMZ*	-04	7/16"-20	6	-04	48,0	1.89	20,0	0.79	4,0	0.16	14	12	0,040	0.088
26711D-06-04Z*	-06	9/16"-18	6	-04	49,0	1.93	21,0	0.83	4,0	0.16	19	19	0,044	0.097
26711D-06-04SMZ*	-06	9/16"-18	6	-04	49,0	1.93	21,0	0.83	4,0	0.16	19	14	0,045	0.099
26711D-06-05Z*	-06	9/16"-18	8	-05	49,0	1.93	21,0	0.83	5,5	0.22	19	19	0,046	0.101
26711D-06-06Z*	-06	9/16"-18	10	-06	51,0	2.01	21,0	0.83	7,0	0.28	19	19	0,045	0.099
26711D-06-06SMZ*	-06	9/16"-18	10	-06	51,0	2.01	21,0	0.83	7,0	0.28	19	17	0,045	0.099
26711D-08-04Z*	-08	3/4"-16	6	-04	53,0	2.09	25,0	0.98	4,0	0.16	22	24	0,075	0.165
26711D-08-06Z*	-08	3/4"-16	10	-06	55,0	2.17	25,0	0.98	7,0	0.28	22	24	0,081	0.179
26711D-08-06SMZ*	-08	3/4"-16	10	-06	54,5	2.15	24,5	0.96	7,0	0.28	22	19	0,085	0.187
26711D-08-08Z*	-08	3/4"-16	12	-08	56,0	2.20	24,5	0.96	9,9	0.39	22	24	0,080	0.176
26711D-08-08SMZ*	-08	3/4"-16	12	-08	55,0	2.17	23,5	0.93	9,9	0.39	22	19	0,085	0.187
26711D-10-08Z*	-10	7/8"-14	12	-08	57,5	2.26	26,0	1.02	10,0	0.39	27	27	0,108	0.238
26711D-10-08SMZ*	-10	7/8"-14	12	-08	57,5	2.26	26,0	1.02	10,0	0.39	27	22	0,104	0.229
26711D-10-10Z*	-10	7/8"-14	16	-10	61,0	2.40	27,0	1.06	12,0	0.47	27	27	0,120	0.265
26711D-10-10SMZ*	-10	7/8"-14	16	-10	61,0	2.40	27,0	1.06	12,0	0.47	27	22	0,104	0.229
26711D-12-08SMZ*	-12	1.1/16"-12	12	-08	61,0	2.40	29,5	1.16	10,0	0.39	32	27	0,166	0.366
26711D-12-10Z*	-12	1.1/16"-12	16	-10	65,0	2.56	31,0	1.22	12,0	0.47	32	32	0,180	0.397
26711D-12-12Z*	-12	1.1/16"-12	20	-12	70,0	2.76	31,5	1.24	15,0	0.59	32	32	0,188	0.414
26711D-12-12SMZ*	-12	1.1/16"-12	20	-12	70,0	2.76	31,5	1.24	15,0	0.59	32	27	0,166	0.366
26711D-16-16Z*	-16	1.5/16"-12	25	-16	81,5	3.21	34,5	1.36	21,0	0.83	41	41	0,320	0.705
26711D-16-16SMWZ**	-16	1.5/16"-12	25	-16	84,5	3.33	37,5	1.48	21,0	0.83	41	32	0,312	0.688
26711D-20-20SMWZ**	-20	1.5/8"-12	32	-20	95,0	3.74	41,0	1.61	27,0	1.06	50	41	0,502	1.107
26711D-32-32SMWZ**	-32	2.1/2"-12	50	-32	117,0	4.61	45,0	1.77	43,0	1.69	75	65	1,380	3.042
26711D-24-24SMWZ**	-24	1.7/8"-12	38	-24	110,0	4.33	42,0	1.65	32,0	1.26	60	46	0,665	1.466

JIC 37° Female 45° Elbow



Style1



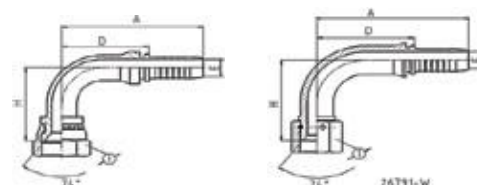
Style2

# Part Number	Terminal End	 Thread	 Hose Size	A		D Cut Off Factor		E Ø		H				 Weight		
	Dash Size		DN	Dash Size	mm	in	mm	in	mm	in	mm	in	mm	mm	kg	lb
26741-04-03Z*	-04	7/16"-20	5	-03	54,0	2.13	32,5	1.28	3,0	0.12	12,1	0.48	14	--	0,029	0.064
26741-04-04Z*	-04	7/16"-20	6	-04	63,1	2.48	35,1	1.38	4,0	0.16	13,0	0.51	14	--	0,035	0.077
26741-04-06Z*	-04	7/16"-20	10	-06	65,2	2.57	35,2	1.39	7,0	0.28	13,1	0.52	14	--	0,036	0.079
26741-05-04Z*	-05	1/2"-20	6	-04	63,6	2.50	35,6	1.40	4,0	0.16	13,5	0.53	17	--	0,038	0.084
26741-05-05Z*	-05	1/2"-20	8	-05	65,7	2.59	37,7	1.48	5,5	0.22	14,4	0.57	17	--	0,050	0,110
26741-06-04Z*	-06	9/16"-18	6	-04	63,6	2.50	35,6	1.40	4,0	0.16	13,5	0.53	19	--	0,045	0.099
26741-06-05Z*	-06	9/16"-18	8	-05	65,7	2.59	37,7	1.48	5,5	0.22	14,4	0.57	19	--	0,056	0.123
26741-06-06Z*	-06	9/16"-18	10	-06	68,8	2.71	38,8	1.53	7,0	0.28	14,8	0.58	19	--	0,062	0.137
26741-06-08Z*	-06	9/16"-18	12	-08	70,8	2.79	39,3	1.55	10,0	0.39	14,8	0.58	19	--	0,064	0.141
26741-06-10Z*	-06	9/16"-18	16	-10	75,8	2.98	41,8	1.65	12,0	0.47	14,8	0.58	19	--	0,068	0.150
26741-08-06Z*	-08	3/4"-16	10	-06	70,2	2.76	40,2	1.58	7,0	0.28	16,2	0.64	22	--	0,080	0.176
26741-08-08Z*	-08	3/4"-16	12	-08	76,8	3.02	45,3	1.78	10,0	0.39	19,0	0.75	22	--	0,105	0.231
26741-08-10Z*	-08	3/4"-16	16	-10	87,7	3.45	53,7	2.11	12,0	0.47	21,4	0.84	22	--	0,120	0.265
26741-10-06Z*	-10	7/8"-14	10	-06	71,6	2.82	41,6	1.64	7,0	0.28	17,6	0.69	27	--	0,092	0.203
26741-10-08Z*	-10	7/8"-14	12	-08	78,2	3.08	46,7	1.84	10,0	0.39	20,4	0.80	27	--	0,120	0.265
26741-10-10Z*	-10	7/8"-14	16	-10	88,4	3.48	54,4	2.14	12,0	0.47	22,1	0.87	27	--	0,146	0.322
26741-10-12Z*	-10	7/8"-14	20	-12	98,4	3.87	58,9	2.32	15,0	0.59	22,1	0.87	27	--	0,170	0.375
26741-12-08Z*	-12	1.1/16"-12	12	-08	81,9	3.22	50,4	1.98	10,0	0.39	21,1	0.83	32	--	01,40	0.309
26741-12-10Z*	-12	1.1/16"-12	16	-10	89,1	3.51	55,1	2.17	12,0	0.47	22,8	0.90	32	--	0,202	0.445
26741-12-12Z*	-12	1.1/16"-12	20	-12	97,8	3.85	59,3	2.33	15,0	0.59	24,2	0.95	32	--	0,240	0.529
26741-12-16Z*	-12	1.1/16"-12	25	-16	117,3	4.62	70,3	2.77	21,0	0.83	24,2	0.95	32	--	0,278	0.613
26741-14-12Z*	-14	1.3/16"-12	20	-12	98,6	3.88	60,1	2.37	15,0	0.59	24,2	0.95	36	--	0,230	0.507
26741-16-12Z*	-16	1.5/16"-12	20	-12	99,4	3.91	60,9	2.40	15,0	0.59	25,0	0.98	41	--	0,346	0.763
26741-16-16Z*	-16	1.5/16"-12	25	-16	121,3	4.78	74,3	2.93	21,0	0.83	28,7	1.13	41	--	0,400	0.882
26741-20-16WZ**	-20	1.5/8"-12	25	-16	123,6	4.87	76,6	3.02	21,0	0.83	31,1	1.22	50	--	0,536	1.182
26741-20-20WZ**	-20	1.5/8"-12	32	-20	150,3	5.92	96,3	3.79	27,0	1.06	35,5	1.40	50	--	0,650	1.433
26741-24-20WZ**	-24	1.7/8"-12	32	-20	140,6	5.54	86,6	3.41	27,0	1.06	35,9	1.41	60	--	0,780	1.720
26741-24-24WZ**	-24	1.7/8"-12	38	-24	182,8	7.20	114,8	4.52	32,0	1.26	44,1	1.74	60	--	1,122	2.474
26741-32-32WZ**	-32	2.1/2"-12	50	-32	207,9	8.19	135,9	5.35	43,0	1.69	51,6	2.03	75	--	2,076	4.577

* Denotes Style 1 design

** Denotes Style 2 design

JIC 37° Female 90° Elbow

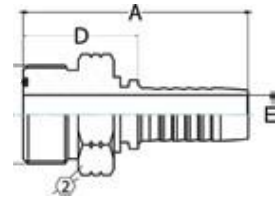


Style 1

#	Terminal				A		D Cut Off Factor		E Ø		H				 Weight	
Part Number	Dash Size	Thread	DN	Dash Size	mm	in	mm	in	mm	in	mm	in	mm	mm	kg	lb
26791-04-03Z*	-04	7/16"-20	5	-03	48,0	1.89	26,5	1.04	3,0	0.12	23,3	0.92	14	--	0,024	0.053
26791-04-04Z*	-04	7/16"-20	6	-04	58,0	2.28	30,0	1.18	4,0	0.16	26,3	1.04	14	--	0,040	0.088
26791-04-05Z*	-04	7/16"-20	8	-05	58,0	2.28	30,0	1.18	5,5	0.22	26,3	1.04	14	--	0,040	0.088
26791-04-06Z*	-04	7/16"-20	10	-06	60,0	2.36	30,0	1.18	7,0	0.28	26,3	1.04	14	--	0,040	0.088
26791-05-04Z*	-05	1/2"-20	6	-04	58,0	2.28	30,0	1.18	4,0	0.16	27,0	1.06	17	--	0,042	0.093
26791-05-05Z*	-05	1/2"-20	8	-05	61,0	2.40	33,0	1.30	5,5	0.22	30,0	1.18	17	--	0,050	0.110
26791-05-06Z*	-05	1/2"-20	10	-06	63,0	2.48	33,0	1.30	7,0	0.28	30,0	1.18	17	--	0,055	0.121
26791-06-04Z*	-06	9/16"-18	6	-04	58,0	2.28	30,0	1.18	4,0	0.16	27,0	1.06	19	--	0,048	0.106
26791-06-05Z*	-06	9/16"-18	8	-05	61,0	2.40	33,0	1.30	5,5	0.22	30,0	1.18	19	--	0,062	0.137
26791-06-06Z*	-06	9/16"-18	10	-06	64,5	2.54	34,5	1.36	7,0	0.28	31,5	1.24	19	--	0,070	0.154
26791-06-08Z*	-06	9/16"-18	12	-08	69,5	2.74	38,0	1.50	10,0	0.39	31,5	1.24	19	--	0,070	0.154
26791-08-04Z*	-08	3/4"-16	6	-04	58,0	2.28	30,0	1.18	4,0	0.16	29,0	1.14	22	--	0,063	0.139
26791-08-06Z*	-08	3/4"-16	10	-06	64,5	2.54	34,5	1.36	7,0	0.28	33,5	1.32	22	--	0,088	0.194
26791-08-08Z*	-08	3/4"-16	12	-08	71,0	2.80	39,5	1.56	10,0	0.39	40,0	1.57	22	--	0,118	0.260
26791-08-10Z*	-08	3/4"-16	16	-10	81,5	3.21	45,5	1.79	12,0	0.47	40,0	1.57	22	--	0,124	0.273
26791-08-12Z*	-08	3/4"-16	20	-12	86,5	3.41	48,0	1.89	15,0	0.59	40,0	1.57	22	--	0,134	0.295
26791-10-06Z*	-10	7/8"-14	10	-06	66,5	2.62	36,5	1.44	7,0	0.28	34,5	1.36	27	--	0,100	0.220
26791-10-08Z*	-10	7/8"-14	12	-08	71,0	2.80	39,5	1.56	10,0	0.39	42,0	1.65	27	--	0,132	0.291
26791-10-10Z*	-10	7/8"-14	16	-10	83,0	3.27	49,0	1.93	12,0	0.47	47,5	1.87	27	--	0,190	0.419
26791-10-12Z*	-10	7/8"-14	20	-12	92,0	3.62	53,5	2.11	15,0	0.59	47,5	1.87	27	--	0,196	0.432
26791-12-08Z*	-12	1.1/16"-12	12	-08	75,0	2.95	43,5	1.71	10,0	0.39	43,0	1.69	32	--	0,150	0.331
26791-12-10Z*	-12	1.1/16"-12	16	-10	83,0	3.27	49,0	1.93	12,0	0.47	49,0	1.93	32	--	0,226	0.498
26791-12-12Z*	-12	1.1/16"-12	20	-12	93,0	3.66	54,5	2.15	15,0	0.59	53,5	2.11	32	--	0,300	0.661
26791-12-16Z*	-12	1.1/16"-12	25	-16	112,5	4.43	65,5	2.58	21,0	0.83	53,5	2.11	32	--	0,320	0.705
26791-14-12Z*	-14	1.3/16"-12	20	-12	93,8	3.69	55,3	2.18	15,0	0.59	53,5	2.11	36	--	0,230	0.507
26791-16-12Z*	-16	1.5/16"-12	20	-12	93,8	3.69	55,3	2.18	15,0	0.59	53,6	2.11	41	--	0,408	0.899
26791-16-16Z*	-16	1.5/16"-12	25	-16	118,0	4.65	71,0	2.80	21,0	0.83	66,1	2.60	41	--	0,460	1.014
26791-16-20Z*	-16	1.5/16"-12	32	-20	135,0	5.31	81,0	3.19	27,0	1.06	66,1	2.60	41	--	0,576	1.270
26791-20-16WZ**	-20	1.5/8"-12	25	-16	118,0	4.65	71,0	2.80	21,0	0.83	69,5	2.74	50	--	0,630	1.389
26791-20-20WZ**	-20	1.5/8"-12	32	-20	135,5	5.33	81,5	3.21	27,0	1.06	80,0	3.15	50	--	0,784	1.728
26791-24-20WZ**	-24	1.7/8"-12	32	-20	135,5	5.33	81,5	3.21	27,0	1.06	81,5	3.21	60	--	0,860	1.896
26791-24-24WZ**	-24	1.7/8"-12	38	-24	177,4	6.98	109,4	4.31	32,0	1.26	94,0	3.70	60	--	1,386	3.056
26791-32-32WZ**	-32	2.1/2"-12	50	-32	205,1	8.07	133,1	5.24	43,0	1.69	121,8	4.80	75	--	2,600	5.732

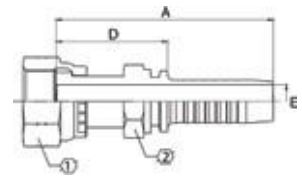
* Denotes Style 1 design

** Denotes Style 2 design



ORS Male Rigid

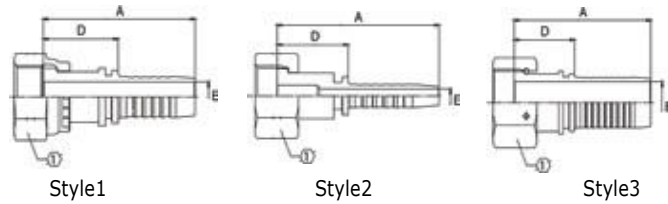
# Part Number	Terminal End	 Thread	 Hose Size		A		D Cut Off Factor		E Ø				 Weight	
	Dash Size		DN	Dash Size	mm	in	mm	in	mm	in	mm	mm	kg	lb
14211-04-04Z	-04	9/16"x18	6	-04	50,5	1.99	22,5	0.89	4,0	0.16	--	17	0,030	0.066
14211-06-04Z	-06	11/16"x16	6	-04	52,0	2.05	24,0	0.94	4,0	0.16	--	19	0,038	0.084
14211-06-06Z	-06	11/16"x16	10	-06	54,0	2.13	24,0	0.94	6,7	0.26	--	19	0,040	0.088
14211-08-06Z	-08	13/16"x16	10	-06	57,5	2.26	27,5	1.08	7,0	0.28	--	22	0,060	0.132
14211-08-08Z	-08	13/16"x16	12	-08	60,0	2.36	28,5	1.12	9,6	0.38	--	22	0,070	0.154
14211-10-08Z	-10	1"X14	12	-08	64,0	2.52	32,5	1.28	10,0	0.39	--	27	0,108	0.238
14211-10-10Z	-10	1"X14	16	-10	67,5	2.66	33,5	1.32	12,0	0.47	--	27	0,120	0.264
14211-12-08Z	-12	1.3/16"x12	12	-08	67,0	2.64	35,5	1.40	10,0	0.39	--	32	0,148	0.326
14211-12-10Z	-12	1.3/16"x12	16	-10	70,0	2.76	36,0	1.42	12,0	0.47	--	32	0,164	0.361
14211-12-12Z	-12	1.3/16"x12	20	-12	75,0	2.95	36,5	1.44	15,0	0.59	--	32	0,172	0.378
14211-16-12Z	-16	1.7/16"x12	20	-12	75,5	2.97	37,0	1.46	15,0	0.59	--	38	0,255	0.561
14211-16-16Z	-16	1.7/16"x12	25	-16	85,5	3.37	38,5	1.52	20,6	0.81	--	38	0,248	0.546
14211-20-20Z	-20	1.11/16"x12	32	-20	95,5	3.76	41,5	1.63	26,0	1.02	--	46	0,400	0.880
14211-24-24Z	-24	2"x12	40	-24	114,5	4.51	46,5	1.83	32,0	1.26	--	55	0,624	1.373



ORS Female Swivel

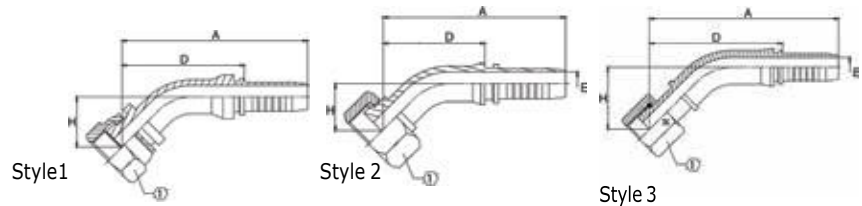
# Part Number	Terminal End	 Thread	 Hose Size		A		D Cut Off Factor		E Ø		 1	 2	 Weight	
	Dash Size		DN	Dash Size	mm	in	mm	in	mm	in	mm	mm	kg	lb
24211D-04-04SMZ	-04	9/16"×18	6	-04	55,5	2.19	27,5	1.08	4,0	0.16	17	14	0,041	0.090
24211D-06-06SMZ	-06	11/16"×16	10	-06	60,0	2.36	30,0	1.18	7,0	0.28	22	17	0,060	0.132
24211D-08-08SMZ	-08	13/16"×16	12	-08	65,0	2.56	33,5	1.32	10,0	0.39	27	19	0,096	0.212
24211D-10-10SMZ	-10	1"×14	16	-10	74,0	2.91	40,0	1.57	12,0	0.47	30	24	0,140	0.309
24211D-12-12SMZ	-12	1.3/16"×12	20	-12	83,8	3.30	45,3	1.78	15,0	0.59	36	30	0,195	0.430
24211D-16-16SMZ	-16	1.7/16"×12	25	-16	95,5	3.76	48,5	1.91	21,0	0.83	41	32	0,260	0.573

ORS Female Swivel



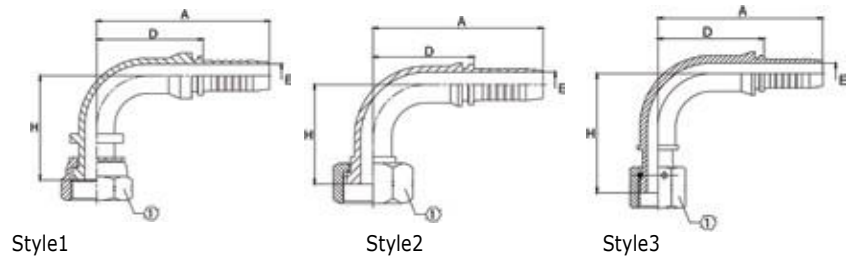
# Part Number	Terminal End	 Thread	 Hose Size		A		D Cut Off Factor		E Ø		 1	 2	 Weight	
	Dash Size		DN	Dash Size	mm	in	mm	in	mm	in	mm	mm	kg	lb
24211-04-04Z*	-04	9/16"×18	6	-04	50,5	1.99	22,5	0.89	4,0	0.16	17	--	0,034	0.075
24211-04-06Z*	-04	9/16"×18	10	-06	52,5	2.07	22,5	0.89	7,0	0.28	17	--	0,043	0.095
24211-06-04TZ**	-06	11/16"×16	6	-04	51,5	2.03	23,5	0.93	4,0	0.16	22	--	0,060	0.132
24211-06-05TZ**	-06	11/16"×16	8	-05	51,5	2.03	23,5	0.93	5,5	0.22	22	--	0,065	0.143
24211-06-06Z*	-06	11/16"×16	10	-06	55,5	2.19	25,5	1	7,0	0.28	22	--	0,055	0.121
24211-08-06TZ**	-08	13/16"×16	10	-06	55,0	2.17	25,0	0.98	7,0	0.28	24	--	0,095	0.209
24211-08-08Z*	-08	13/16"×16	12	-08	59,5	2.34	28,0	1.1	10,0	0.39	27	--	0,086	0.19
24211-10-08TZ**	-10	1"×14	12	-08	61,0	2.4	29,5	1.16	10,0	0.39	30	--	0,130	0.287
24211-10-10Z*	-10	1"×14	16	-10	67,0	2.64	33,0	1.3	12,0	0.47	30	--	0,120	0.265
24211-10-12Z*	-10	1"×14	20	-12	72,0	2.83	33,5	1.32	15,0	0.59	30	--	0,146	0.322
24211-12-08TZ**	-12	1.3/16"×12	12	-08	62,0	2.44	30,5	1.2	10,0	0.39	36	--	0,185	0.408
24211-12-10TZ**	-12	1.3/16"×12	16	-10	65,5	2.58	31,5	1.24	12,0	0.47	36	--	0,210	0.463
24211-12-12Z*	-12	1.3/16"×12	20	-12	73,5	2.89	35,0	1.38	15,0	0.59	36	--	0,195	0.43
24211-12-16Z*	-12	1.3/16"×12	25	-16	83,0	3.27	36,0	1.42	21,0	0.83	36	--	0,236	0.52
24211-16-12TZ**	-16	1.7/16"×12	20	-12	73,5	2.89	35,0	1.38	15,0	0.59	41	--	0,250	0.551
24211-16-16TZ**	-16	1.7/16"×12	25	-16	82,0	3.23	35,0	1.38	21,0	0.83	41	--	0,260	0.573
24211-20-16TZ***	-20	1.11/16"×12	25	-16	81,5	3.21	34,5	1.36	21,0	0.83	50	--	0,385	1.849
24211-20-20WZ***	-20	1.11/16"×12	32	-20	96,5	3.8	42,5	1.67	27,0	1.06	50	--	0,464	1.023
24211-24-24TZ**	-24	2"×12	40	-24	104,0	4.09	36,0	1.42	32,0	1.26	60	--	0,660	1.455

ORS Female 45° Elbow



 Part Number	 Terminal End	 Thread	 Hose Size		A		D Cut Off Factor		E Ø		H		 1	 2	 Weight	
	Dash Size		DN	Dash Size	mm	in	mm	in	mm	in	mm	in	mm	mm	kg	lb
24241-04-04Z*	-04	9/16"×18	6	-04	73,5	2.89	45,5	1.79	4,0	0.16	23,4	0.92	17	--	0,046	0.101
24241-04-06Z*	-04	9/16"×18	10	-06	75,6	2.98	45,6	1.80	7,0	0.28	23,4	0.92	17	--	0,056	0.123
24241-06-04TZ**	-06	11/16"×16	6	-04	68,9	2.71	40,9	1.61	4,0	0.16	18,8	0.74	22	--	0,070	0.154
24241-06-06Z*	-06	11/16"×16	10	-06	81,3	3.20	51,3	2.02	7,0	0.28	27,1	1.07	22	--	0,078	0.172
24241-06-08Z*	-06	11/16"×16	12	-08	95,7	3.77	64,2	2.53	10,0	0.39	29,3	1.15	22	--	0,132	0.291
24241-08-06TZ**	-08	13/16"×16	10	-06	74,6	2.94	44,6	1.76	7,0	0.28	20,3	0.80	24	--	0,110	0.243
24241-08-08Z*	-08	13/16"×16	12	-08	97,2	3.83	65,7	2.59	10,0	0.39	30,7	1.21	27	--	0,100	0.220
24241-10-08TZ**	-10	1"×14	12	-08	89,7	3.53	58,2	2.29	10,0	0.39	23,3	0.92	30	--	0,162	0.357
24241-10-10Z*	-10	1"×14	16	-10	113,2	4.46	79,2	3.12	12,0	0.47	34,9	1.37	30	--	0,210	0.463
24241-10-12Z*	-10	1"×14	20	-12	124,4	4.90	85,9	3.38	15,0	0.59	38,5	1.52	30	--	0,326	0.719
24241-12-08TZ**	-12	1.3/16"×12	12	-08	89,7	3.53	58,2	2.29	10,0	0.39	23,3	0.92	36	--	0,210	0.463
24241-12-12Z*	-12	1.3/16"×12	20	-12	125,5	4.94	87,0	3.43	15,0	0.59	39,5	1.56	36	--	0,350	0.772
24241-12-16TZ*	-12	1.3/16"×12	25	-16	139,3	5.48	92,3	3.63	21,0	0.83	41,0	1.61	36	--	0,524	1.155
24241-16-16TZ*	-16	1.7/16"×12	25	-16	131,1	5.16	84,1	3.31	21,0	0.83	29,7	1.17	41	--	0,423	0.933
24241-20-20WZ***	-20	1.11/16"×12	32	-20	165,2	6.50	111,2	4.38	27,0	1.06	49,0	1.93	50	--	0,740	1.631
24241-24-24TZ**	-24	2"×12	40	-24	176,5	6.95	108,5	4.27	32,0	1.26	37,7	1.48	60	--	1,236	2.725

ORS Female 90° Elbow



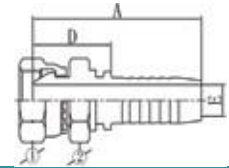
Style1

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Style3

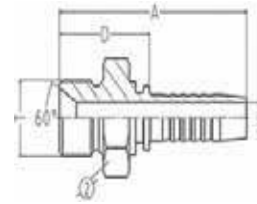
 Part Number	 Terminal End	 Thread	 Hose Size		A		D Cut Off Factor		E Ø		H				 Weight	
	Dash Size		DN	Dash Size	mm	in	mm	in	mm	in	mm	in	mm	mm	kg	lb
24291-04-04Z*	-04	9/16"×18	6	-04	58,0	2.28	30,0	1.18	4,0	0.16	41,0	1.61	17	--	0,052	0.115
24291-06-04TZ**	-06	11/16"×16	6	-04	58,0	2.28	30,0	1.18	4,0	0.16	34,5	1.36	22	--	0,065	0.143
24291-06-06Z*	-06	11/16"×16	10	-06	65,3	2.57	35,3	1.39	7,0	0.28	42,5	0.17	22	--	0,090	0.198
24291-06-08Z*	-06	11/16"x16	10	-06	67,3	2.65	35,8	1.41	10,0	0.39	49,3	1.94	22	--	0,098	0.216
24291-08-06TZ**	-08	13/16"×16	10	-06	65,3	2.57	35,3	1.39	7,0	0.28	39,8	1.56	24	--	0,120	0.265
24291-08-08Z*	-08	13/16"×16	12	-08	72,5	2.85	41,0	1.61	10,0	0.39	57,5	2.26	27	--	0,145	0.320
24291-10-08TZ**	-10	1"×14	12	-08	72,5	2.85	41,0	1.61	10,0	0.39	46,0	1.81	30	--	0,174	0.384
24291-10-10Z*	-10	1"×14	16	-10	90,0	3.54	56,0	2.20	12,0	0.47	66,0	2.60	30	--	0,235	0.518
24291-10-12Z*	-10	1"×14	20	-12	95,5	3.76	57,0	2.24	15,0	0.59	66,0	2.60	30	--	0,282	0.622
24291-12-12Z*	-12	1.3/16"×12	20	-12	104,0	4.09	65,5	2.58	15,0	0.59	77,0	3.03	36	--	0,390	0.860
24291-12-08TZ**	-12	1.3/16"x12	12	-8	84,0	3.31	52,5	2.07	10,0	0.39	51,5	2.03	36	--	0,282	0.622
24291-16-12TZ**	-16	1.7/16"x12	20	-12	104,0	4.09	65,5	2.58	15,0	0.59	63,0	2.48	41	--	0,410	0.904
24291-16-16TZ**	-16	1.7/16"×12	25	-16	123,9	4.88	76,9	3.03	21,0	0.83	67,5	2.66	41	--	0,504	1.111
24291-20-16TZ**	-20	1.11/16"×12	25	-16	123,7	4.87	76,7	3.02	21,0	0.83	67,5	2.66	50	--	0,622	1.371
24291-20-20WZ***	-20	1.11/16"×12	32	-20	147,0	5.79	93,0	3.66	27,0	1.06	100,0	3.94	50	--	0,862	1.900
24291-24-24TZ**	-24	2"×12	40	-24	177,4	6.98	109,4	4.31	32,0	1.26	92,0	3.62	60	--	1,372	3.025

BSP 60° Cone Female Swivel



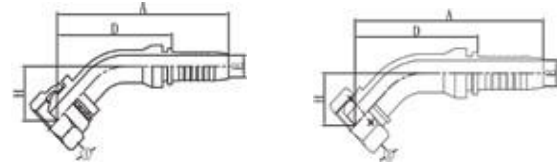
# Part Number	Terminal End	 Thread	 Hose Size		A		D Cut Off Factor		E Ø		 1	 2	 Weight	
	Dash Size		DN	Dash Size	mm	in	mm	in	mm	in	mm	mm	kg	lb
22611D-04-04Z	-04	G1/4"X19	6	-04	51,5	2.03	32,5	1.28	4,0	0.16	19	19	0,044	0.097
22611D-06-06Z	-06	G3/8"X19	10	-06	56,5	2.22	26,5	1.04	7,0	0.28	22	22	0,065	0.143
22611D-08-08Z	-08	G1/2"X14	12	-08	62,5	2.46	31,0	1.22	10,0	0.39	27	27	0,120	0.264
22611D-12-12Z	-12	G3/4"X14	20	-12	72,0	2.83	33,5	1.32	15,0	0.59	32	32	0,190	0.418
22611D-16-16Z	-16	G1"X11	25	-16	82,5	3.25	35,5	1.40	21,0	0.83	41	41	0,296	0.651

BSP 60° Cone Male Rigid



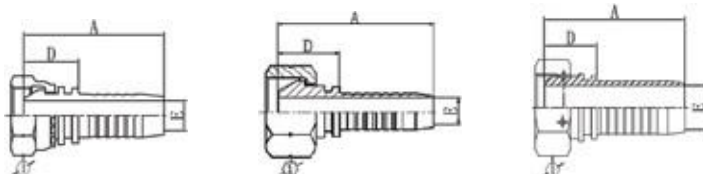
# Part Number	Terminal End	 Thread	 Hose Size		A		D Cut Off Factor		E Ø		 1	 2	 Weight	
	Dash Size		DN	Dash Size	mm	in	mm	in	mm	in	mm	mm	kg	lb
12611A-02-04Z	-02	G1/8"x28	6	-04	50,5	1.99	22,5	0.89	4,0	0.16	--	14,0	0,020	0.044
12611A-04-04Z	-04	G1/4"x19	6	-04	52,5	2.07	24,5	0.96	4,0	0.16	--	19,0	0,030	0.066
12611A-06-04Z	-06	G3/8"x19	6	-04	56,0	2.20	28,0	1.10	4,0	0.16	--	22,0	0,045	0.099
12611A-06-05Z	-06	G3/8"x19	8	-05	56,0	2.20	28,0	1.10	5,5	0.22	--	22,0	0,052	0.114
12611A-06-06Z	-06	G3/8"x19	10	-06	58,0	2.28	28,0	1.10	7,0	0.28	--	22,0	0,050	0.110
12611A-06-08Z	-06	G3/8"x19	12	-08	60,0	2.36	28,5	1.12	10,0	0.39	--	22,0	0,058	0.128
12611A-08-06Z	-08	G1/2"x14	10	-06	63,0	2.48	33,0	1.30	7,0	0.28	--	27,0	0,082	0.180
12611A-08-08Z	-08	G1/2"x14	12	-08	64,5	2.54	33,0	1.30	10,0	0.39	--	27,0	0,090	0.198
12611A-10-10Z	-10	G5/8"x14	16	-10	69,5	2.74	35,5	1.40	12,0	0.47	--	30,0	0,121	0.266
12611A-12-12Z	-12	G3/4"x14	20	-12	76,0	2.99	37,5	1.48	15,0	0.59	--	32,0	0,150	0.330
12611A-16-12Z	-16	G1"x11	20	-12	81,0	3.19	42,5	1.67	15,0	0.59	--	41,0	0,230	0.506
12611A-16-16Z	-16	G1"x11	25	-16	90,5	3.56	43,5	1.71	21,0	0.83	--	41,0	0,253	0.557
12611A-20-20Z	-20	G1.1/4"x11	32	-20	100,0	3.94	46,5	1.83	27,0	1.06	--	50,0	0,406	0.893
12611A-24-24Z	-24	G1.1/2"x11	40	-24	117,0	4.61	49,0	1.93	32,0	1.26	--	55,0	0,554	1.219

BSP 60° Cone Female 45° Elbow



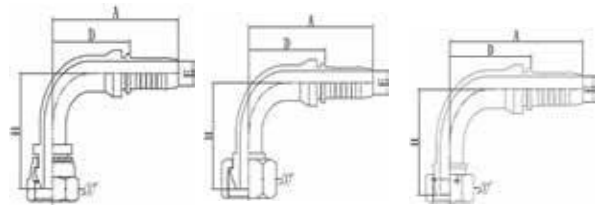
# Part Number	Terminal End	 Thread	 Hose Size	A		D Cut Off Factor		E Ø		H		 1	 2	 Weight		
	Dash Size		DN	Dash Size	mm	in	mm	in	mm	in	mm	in	mm	mm	kg	lb
22641-04-04Z*	-04	G1/4"X19	6	-04	70,3	2.77	42,3	1.67	4,0	0.16	20,2	0.80	19	--	0,046	0.101
22641-06-04Z*	-06	G3/8"X19	6	-04	71,2	2.80	43,2	1.70	4,0	0.16	21,1	0.83	22	--	0,055	0.121
22641-06-06Z*	-06	G3/8"X19	10	-06	76,9	3.03	46,9	1.85	7,0	0.28	22,6	0.89	22	--	0,070	0.154
22641-08-06Z	-06	G1/2"X14	10	-06	76,7	3.02	46,7	1.84	7,0	0.28	22,5	0.89	27	--	0,104	0.229
22641-08-08Z*	-08	G1/2"X14	12	-08	92,6	3.65	61,1	2.41	10,0	0.39	26,1	1.03	27	--	0,130	0.286
22641-10-10Z*	-10	G5/8"X14	16	-10	106,1	4.18	72,1	2.84	12,0	0.47	27,8	1.09	30	--	0,196	0.431
22641-12-12Z*	-12	G3/4"X14	20	-12	117,1	4.61	78,6	3.09	15,0	0.59	31,8	1.25	32	--	0,285	0.627
22641-16-16Z*	-16	G1"X11	25	-16	135,4	5.33	88,4	3.48	21,0	0.83	34,2	1.35	41	--	0,402	0.884
22641-20-20WZ**	-20	G1.1/4"X11	32	-20	152,8	6.02	98,8	3.89	27,0	1.06	38,0	1.50	50	--	0,650	1.430
22641-24-24WZ**	-24	G1.1/2"X11	40	-24	184,2	7.25	116,2	4.57	32,0	1.26	45,5	1.79	55	--	1,095	2.409
22641-32-32WZ**	-32	G2"X11	50	-32	207,7	8.18	135,7	5.34	43,0	1.69	52,7	2.07	70	--	1,898	4.176

BSP 60° Cone Female Swivel



# Part Number	Terminal End	 Thread	 Hose Size		A		D Cut Off Factor		E Ø				 Weight	
	Dash Size		DN	Dash Size	mm	in	mm	in	mm	in	mm	mm	kg	lb
22611-04-04Z*	-04	G1/4"X19	6	-04	46,0	1.81	18,0	0.71	4,0	0.16	19	--	0,032	0.070
22611-04-05Z*	-04	G1/4"X19	8	-05	46,0	1.81	18,0	0.71	5,0	0.20	19	--	0,035	0.077
22611-04-06Z*	-04	G1/4"X19	10	-06	48,0	1.89	18,0	0.71	7,0	0.28	19	--	0,040	0.088
22611-06-04TZ**	-06	G3/8"X19	6	-04	45,5	1.79	17,5	0.69	4,0	0.16	22	--	0,050	0.110
22611-06-05Z*	-06	G3/8"X19	8	-05	47,0	1.85	19,0	0.75	5,5	0.22	22	--	0,044	0.097
22611-06-06Z*	-06	G3/8"X19	10	-06	49,5	1.95	19,5	0.77	7,0	0.28	22	--	0,046	0.101
22611-06-08Z*	-06	G3/8"X19	12	-08	51,0	2.01	19,5	0.77	10,0	0.39	22	--	0,060	0.132
22611-08-06TZ**	-08	G1/2"X14	10	-06	48,5	1.91	18,5	0.73	7,0	0.28	27	--	0,080	0.176
22611-08-08Z*	-08	G1/2"X14	12	-08	53,0	2.09	21,5	0.85	10,0	0.39	27	--	0,078	0.172
22611-08-10Z*	-08	G1/2"X14	16	-10	56,5	2.22	22,5	0.89	12,0	0.47	27	--	0,092	0.202
22611-10-08Z*	-10	G5/8"X14	12	-08	53,5	2.11	22,0	0.87	10,0	0.39	30	--	0,100	0.220
22611-10-10Z*	-10	G5/8"X14	16	-10	57,0	2.24	23,0	0.91	12,0	0.47	30	--	0,114	0.251
22611-12-08TZ**	-12	G3/4"X14	12	-08	51,5	2.03	20,0	0.79	10,0	0.39	32	--	0,130	0.286
22611-12-10Z*	-12	G3/4"X14	16	-10	57,5	2.26	23,5	0.93	12,0	0.47	32	--	0,126	0.277
22611-12-12Z*	-12	G3/4"X14	20	-12	62,5	2.46	24,0	0.94	15,0	0.59	32	--	0,132	0.290
22611-16-12TZ**	-16	G1"X11	20	-12	61,5	2.42	23,0	0.91	15,0	0.59	41	--	0,220	0.484
22611-16-16Z*	-16	G1"X11	25	-16	74,0	2.91	27,0	1.06	21,0	0.83	41	--	0,226	0.497
22611-20-16TZ**	-20	G1.1/4"X11	25	-16	74,0	2.91	27,0	1.06	21,0	0.83	50	--	0,350	0.770
22611-24-20TZ**	-24	G1.1/2"X11	32	-20	83,5	3.29	29,5	1.16	27,0	1.06	55	--	0,466	1.025
22611-20-20WZ***	-20	G1.1/4"X11	32	-20	84,5	3.33	30,5	1.20	27,0	1.06	50	--	0,406	0.893
22611-24-24WZ***	-24	G1.1/2"X11	40	-24	100,0	3.94	32,0	1.26	32,0	1.26	55	--	0,546	1.201
22611-32-32WZ***	-32	G2"X11	50	-32	103,0	4.06	31,0	1.22	43,0	1.69	70	--	0,960	2.112

BSP 60° Cone Female 90° Elbow



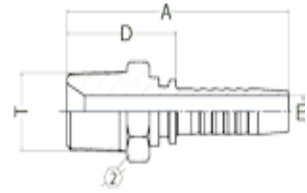
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Style3

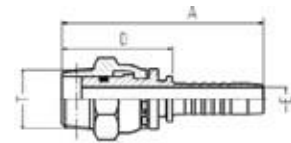
# Part Number	Terminal End	 Thread	 Hose Size		A		D Cut Off Factor		E Ø		H				 Weight	
	Dash Size		DN	Dash Size	mm	in	mm	in	mm	in	mm	in	mm	mm	kg	lb
22691-04-04Z*	-04	G1/4"X19	6	-04	58,0	2.28	30,0	1.18	4,0	0.16	36,5	1.44	19	--	0,048	0.106
22691-04-05Z*	-04	G1/4"X19	8	-05	61,0	2.40	33,0	1.30	5,5	0.22	39,5	1.56	19	--	0,060	0.132
22691-04-06Z*	-04	G1/4"X19	10	-06	60,0	2.36	30,0	1.18	7,0	0.28	36,5	1.44	19	--	0,055	0.121
22691-06-04TZ*	-06	G3/8"X19	6	-04	58,0	2.28	30,0	1.18	4,0	0.16	35,7	1.41	22	--	0,070	0.154
22691-06-06Z*	-06	G3/8"X19	10	-06	65,3	2.57	35,3	1.39	7,0	0.28	43,0	1.69	22	--	0,080	0.176
22691-06-08Z*	-06	G3/8"X19	12	-08	72,5	2.85	41,0	1.61	10,0	0.39	49,2	1.94	22	--	0,126	0.277
22691-08-06TZ*	-08	G1/2"X14	10	-06	65,3	2.57	35,3	1.39	7,0	0.28	41,8	1.65	27	--	0,115	0.253
22691-08-08Z*	-08	G1/2"X14	12	-08	72,5	2.85	41,0	1.61	10,0	0.39	51,0	2.01	27	--	0,134	0.293
22691-10-08Z*	-10	G5/8"X14	12	-08	72,5	2.85	41,0	1.61	10,0	0.39	51,5	2.03	30	--	0,160	0.352
22691-10-10Z*	-10	G5/8"X14	16	-10	90,0	3.54	56,0	2.20	12,0	0.47	56,0	2.20	30	--	0,218	0.480
22691-12-10Z*	-12	G3/4"X14	16	-10	90,0	3.54	56,0	2.20	12,0	0.47	56,6	2.23	32	--	0,228	0.502
22691-12-12Z*	-12	G3/4"X14	20	-12	103,4	4.07	64,9	2.56	15,0	0.59	66,0	2.60	32	--	0,330	0.726
22691-16-12TZ**	-16	G1"X11	20	-12	104,0	4.09	65,5	2.58	15,0	0.59	63,8	2.51	41	--	0,360	0.660
22691-16-16Z*	-16	G1"X11	25	-16	123,7	4.87	76,7	3.02	21,0	0.83	73,8	2.91	41	--	0,495	1.089
22691-20-20WZ***	-20	G1.1/4"X11	32	-20	145,5	5.73	91,5	3.60	27,0	1.06	84,3	3.32	50	--	0,775	1.705
22691-24-24WZ***	-24	G1.1/2"X11	40	-24	177,4	6.98	109,4	4.31	32,0	1.26	103,0	4.06	55	--	1,395	3.069
22691-32-32WZ***	-32	G2"X11	50	-32	203,8	8.02	131,8	5.19	43,0	1.69	123,3	4.85	70		2,360	5.192

NPTF Male Rigid



# Part Number	Terminal End	 Thread	 Hose Size		A		D Cut Off Factor		E Ø		 1	 2	 Weight	
	Dash Size		DN	Dash Size	mm	in	mm	in	mm	in	mm	mm	kg	lb
15611-F02-04Z	-02	1/8"x27	6	-04	50,5	1.99	22,5	0.89	4,0	0.16	--	12	0,015	0.033
15611-F04-04Z	-04	1/4"x18	6	-04	56,0	2.20	28,0	1.10	4,0	0.16	--	17	0,030	0.066
15611-F04-05Z	-04	1/4"x18	8	-05	56,0	2.20	28,0	1.10	4,0	0.16	--	17	0,030	0.066
15611-F04-06Z	-04	1/4"x18	10	-06	57,5	2.26	27,5	1.08	7,0	0.28	--	17	0,032	0.070
15611-F06-04Z	-06	3/8"x18	6	-04	57,0	2.24	29,0	1.14	4,0	0.16	--	19	0,038	0.084
15611-F06-05Z	-06	3/8"x18	8	-05	57,0	2.24	29,0	1.14	5,5	0.22	--	19	0,044	0.097
15611-F06-06Z	-06	3/8"x18	10	-06	59,0	2.32	29,0	1.14	7,0	0.28	--	19	0,048	0.106
15611-F06-08Z	-06	3/8"x18	12	-08	62,0	2.44	30,5	1.20	9,0	0.35	--	19	0,060	0.132
15611-F08-04Z	-08	1/2"x14	6	-04	62,0	2.44	34,0	1.34	4,0	0.16	--	22	0,066	0.145
15611-F08-06Z	-08	1/2"x14	10	-06	64,0	2.52	34,0	1.34	7,0	0.28	--	22	0,068	0.150
15611-F08-08Z	-08	1/2"x14	12	-08	66,0	2.60	34,5	1.36	10,0	0.39	--	22	0,075	0.165
15611-F08-10Z	-08	1/2"x14	16	-10	69,5	2.74	35,5	1.40	12,0	0.47	--	22	0,085	0.187
15611-F08-12Z	-08	1/2"x14	20	-12	76,5	3.01	38,0	1.50	15,0	0.59	--	27	0,124	0.273
15611-F12-08Z	-12	3/4"x14	12	-08	69,0	2.72	37,5	1.48	10,0	0.39	--	27	0,103	0.227
15611-F12-10Z	-12	3/4"x14	16	-10	71,5	2.81	37,5	1.48	12,0	0.47	--	27	0,130	0.286
15611-F12-12Z	-12	3/4"x14	20	-12	77,0	3.03	38,5	1.52	15,0	0.59	--	27	0,130	0.286
15611-F12-16Z	-12	3/4"x14	25	-16	86,5	3.41	39,5	1.56	21,0	0.83	--	32	0,190	0.418
15611-F16-12Z	-16	1"x11.5	20	-12	83,5	3.29	45,0	1.77	15,0	0.59	--	36	0,210	0.462
15611-F16-16Z	-16	1"x11.5	25	-16	93,5	3.68	46,5	1.83	21,0	0.83	--	36	0,230	0.506
15611-F20-16Z	-20	1.1/4"x11.5	25	-16	96,5	3.80	49,5	1.95	21,0	0.83	--	46	0,344	0.757
15611-F20-20Z	-20	1.1/4"x11.5	32	-20	104,5	4.11	50,5	1.99	27,0	1.06	--	46	0,406	0.893
15611-F24-24Z	-24	1.1/2"x11.5	40	-24	119,0	4.69	51,0	2.01	32,0	1.26	--	50	0,550	1.210
15611-F32-32Z	-32	2"x11.5	50	-32	127,0	5.00	55,0	2.17	43,0	1.69	--	65	0,945	2.079

NPTF Male Rigid



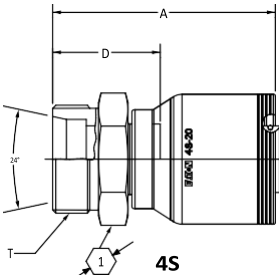
# Part Number	Terminal End	 Thread	 Hose Size		A		D Cut Off Factor		E Ø		 1	 2	 Weight	
	Dash Size		DN	Dash Size	mm	in	mm	in	mm	in	mm	mm	kg	lb
15611SW-F04-04SZ	-04	1/4"x18	6	-04	76,0	2.99	48,0	1.89	4,0	0.16	--	19	0,064	0.141
15611SW-F06-06SZ	-06	3/8"x18	10	-06	85,0	3.35	55,0	2.17	7,0	0.28	--	22	0,100	0.220
15611SW-F08-06SZ	-08	1/2"x14	10	-06	87,0	3.43	57,0	2.24	7,0	0.28	--	22	0,152	0.334
15611SW-F08-08SZ	-08	1/2"x14	12	-08	88,5	3.49	57,0	2.24	10,0	0.39	--	27	0,152	0.334
15611SW-F12-12SZ	-12	3/4"x14	20	-12	99,0	3.90	60,5	2.38	15,0	0.59	--	32	0,225	0.495
15611SW-F16-16SZ	-16	1"x11.5	25	-16	116,5	4.59	69,5	2.74	21,0	0.83	--	41	0,375	0.825

1T/4S/6S Fitting series

DIN 24° DKO Light (DKO-L)

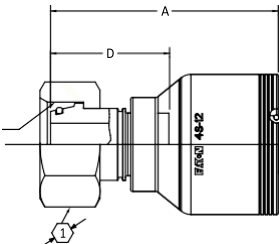
Male Rigid DIN 24 seat (DK)

l.Rh DKO (Light) Straight

	Part Number	Tube O.D.	Hose Size		Thread	A		D		E Ø		
	1T	Dash size	DN	Dash size	Metric	mm	in	mm	in	mm	in	mm
	1T10DK6	12L	10	-6	M18X1,5	53.5	2.11	24	0.95	6.5	0.26	19
	1T12DK8	15L	12	-8	M22X1,5	58	2.29	25	0.99	9.1	0.36	24
	1T16DK10	18L	16	-10	M26X1,5	62	2.44	25.4	1.00	12.1	0.48	27

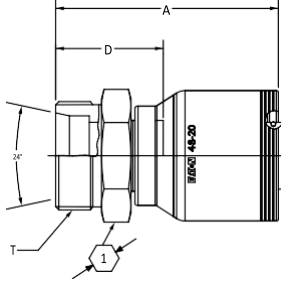
Female Swivel DIN 24° seat (DL)

l.Rh DKO (Light) Straight

	Part Number	Tube O.D.	Hose Size		Thread	A		D		E Ø		
	1T	Dash size	DN	Dash size	Metric	mm	in	mm	in	mm	in	mm
	1T10DL6	12L	10	-6	M18X1,5	55	2.17	25.5	1.00	6.5	0.26	22
	1T12DL8	15L	12	-8	M22X1,5	58	2.29	25	0.99	8	0.32	27
	1T16DL10	18L	16	-10	M26X1,5	62	2.44	25.4	1.00	12.1	0.48	32
	4S	Dash size	DN	Dash size	Metric	mm	in	mm	in	mm	in	mm
	4S20DL12	22L	19	-12	M30X2	76,0	2.99	39,7	1.56	14,2	0.56	36,0
	4S25DL16	28L	25	-16	M36X2	79,7	3.14	40,3	1.59	19,2	0.76	41,0
	4S	Dash size	DN	Dash size	Metric	mm	in	mm	in	mm	in	mm
	4S32DL20	35L	31	-20	M45X2	100,5	3.96	45,5	1.79	25,2	0.99	50,0

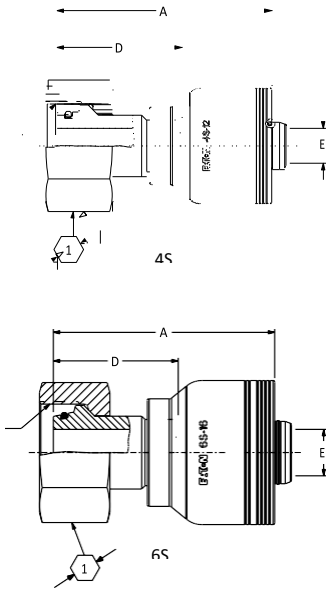
DIN 24° DKO Heavy (DKO-S)

Male Rigid DIN 24° Seat Rigid (EK)
S.Rh. DKO (Heavy) Straight



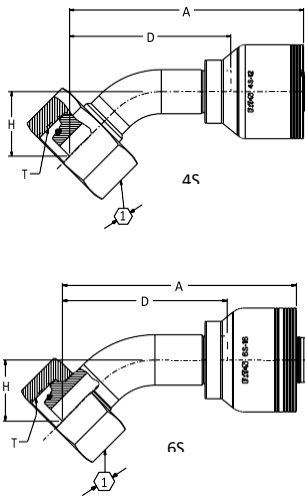
Part Number	Tube O.D.	Hose Size		Thread	A		D		E Ø		
1T	Dash size	DN	Dash size	Metric	mm	in	mm	in	mm	in	mm
1T8EK6	12S	10	-6	M20X1,5	54	2.13	24.5	0.97	6.5	0.26	22
1T12EK8	16S	12	-8	M24X1,5	60	2.36	27	1.06	9	0.35	27
1T16EK10	20S	16	-10	M30X2	68	2.68	31.4	1.24	12	0.47	32
4S	Dash size	DN	Dash size	Metric	mm	in	mm	in	mm	in	mm
4S20EK12	25S	19	-12	M36X2	78,6	3.09	42,3	1.67	14,2	0.56	41,0
4S25EK16	30S	25	-16	M42X2	83,7	3.30	44,0	1.73	19,2	0.75	46,0
4S32EK20	38S	31	-20	M52X2	106,9	4.21	51,7	2.04	25,2	0.99	55,0

Female Swivel DIN 24° Seat (DS)
S.Rh. DKO (Heavy) Straight



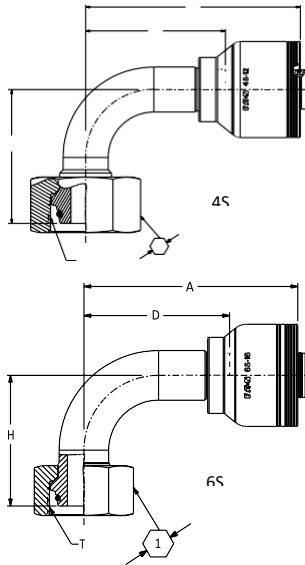
Part Number	Tube O.D.	Hose Size		Thread	A		D		E Ø		
1T	Dash size	DN	Dash size	Metric	mm	in	mm	in	mm	in	mm
1T8DS6	12S	10	-6	M20X1,5	58.2	2.29	28.7	1.13	6.5	0.26	24
1T12DS8	16S	12	-8	M24X1,5	61.2	2.41	28	1.10	6.5	0.26	30
1T12DS10	16S	12	-8	M24X1,5	65	2.56	32	1.26	9	0.35	30
1T16DS10	20S	16	-10	M30X2	68.5	2.70	31.9	1.26	11	0.43	36
4S	Dash size	DN	Dash size	Metric	mm	in	mm	in	mm	in	mm
4S16DS12	20S	19	-12	M30X2	73,7	2.90	37,4	1.47	14,2	0.56	36,0
4S20DS12	25S	19	-12	M36X2	86,6	3.41	50,3	1.98	14,2	0.56	46,0
4S25DS12	30S	19	-12	M42X2	88,2	3.47	51,9	2.04	14,2	0.56	50,0
4S25DS16	30S	25	-16	M42X2	91,1	3.59	51,4	2.02	19,2	0.76	50,0
4S32DS16	38S	25	-16	M52X2	94,5	3.72	55,3	2.18	19,2	0.76	60,0
4S25DS20	30S	31	-20	M42X2	96,6	3.80	41,6	1.64	22,1	0.87	50,0
4S32DS20	38S	31	-20	M52X2	111,5	4.39	56,5	2.22	25,2	0.99	60,0
6S	Dash size	DN	Dash size	Metric	mm	in	mm	in	mm	in	mm
6S25DS16	30S	25	-16	M42X2	91,1	3.59	51,4	2.02	19,2	0.76	50,0
6S32DS16	38S	25	-16	M52X2	95,0	3.74	55,3	2.18	19,2	0.76	60,0
6S32DS20	38S	31	-20	M52X2	112,5	4.43	56,5	2.22	25,2	0.99	60,0

Female Swivel DIN 24°Seat (DSA)
S.Rh. DKO (Heavy) 45° Elbow



Part Number	Tube O.D.	Hose Size		Thread	A		D		E Ø		H		
1T	Dash size	DN	Dash size	Metric	mm	in	mm	in	mm	in	mm	in	mm
1T8DSA6	12S	10	-6	M20X1,5	73.1	2.88	43.6	1.72	6.5	0.26	17.1	0.67	24
1T12DSA8	16S	12	-8	M24X1,5	73.7	2.90	44.2	1.74	6.5	0.26	18.2	0.72	30
1T16DSA10	20S	16	-10	M30X2	96	3.78	63	2.48	9	0.35	28.5	1.12	36
4S	Dash size	DN	Dash size	Metric	mm	in	mm	in	mm	in	mm	in	mm
4S20DSA12	25S	19	-12	M36X2	116,7	4.59	80,4	3.17	14,2	0.56	32,0	1.26	46,0
4S25DSA12	30S	19	-12	M42X2	130,8	5.15	94,4	3.72	14,2	0.56	35,0	1.38	50,0
4S25DSA16	30S	25	-16	M42X2	134,2	5.28	94,4	3.72	19,2	0.76	35,0	1.38	50,0
4S32DSA16	38S	25	-16	M52X2	145,1	5.71	105,3	4.15	19,2	0.76	39,0	1.54	60,0
4S32DSA20	38S	31	-20	M52X2	161,3	6.35	106,3	4.19	25,2	0.99	39,0	1.54	60,0
6S	Dash size	DN	Dash size	Metric	mm	in	mm	in	mm	in	mm	in	mm
6S25DSA16	30S	25	-16	M42X2	134,1	5.28	94,4	3.72	19,2	0.76	35,0	1.38	50,0
6S32DSA16	38S	25	-16	M52X2	145,1	5.71	105,3	4.15	19,2	0.76	39,0	1.54	60,0
6S32DSA20	38S	31	-20	M52X2	162,4	6.39	106,3	4.19	25,2	0.99	39,0	1.54	60,0

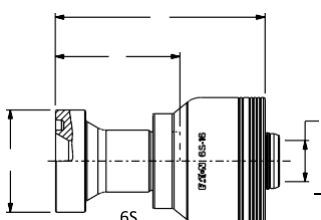
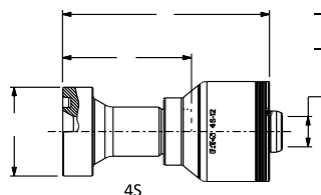
Female Swivel DIN 24°Seat (DSA)
S.Rh. DKO (Heavy) 45° Elbow



Part Number	Tube O.D.	Hose Size		Thread	A		D		E Ø		H		
1T	Dash size	DN	Dash size	Metric	mm	in	mm	in	mm	in	mm	in	mm
1T8DSB6	12S	10	-6	M20X1,5	67.5	2.66	38	1.50	6.5	0.26	37	1.46	24
1T12DSB8	16S	12	-8	M24X1,5	83	3.27	50	1.97	9	0.35	55	2.17	30
1T12DSB10	16S	16	-10	M24X1,5	87	3.43	50.4	1.99	12	0.47	50	1.97	30
1T16DSB10	20S	16	-10	M30X2	92	3.62	55.4	2.18	12	0.47	61.5	2.42	36
4S	Dash size	DN	Dash size	Metric	mm	in	mm	in	mm	in	mm	in	mm
4S20DSB12	25S	19	-12	M36X2	103,9	4.09	67,7	2.67	14,2	0.56	65,0	2.56	46,0
4S25DSB12	30S	19	-12	M42X2	122,7	4.83	86,4	3.40	14,2	0.56	76,0	2.99	50,0
4S25DSB16	30S	25	-16	M42X2	124,5	4.90	84,8	3.34	19,2	0.76	76,0	2.99	50,0
4S32DSB16	38S	25	-16	M52X2	136,7	5.38	97,0	3.82	19,2	0.76	89,0	3.50	60,0
4S32DSB20	38S	31	-20	M52X2	153,0	6.02	98,0	3.86	25,2	0.99	89,0	3.50	60,0
6S	Dash size	DN	Dash size	Metric	mm	in	mm	in	mm	in	mm	in	mm
6S25DSB16	30S	25	-16	M42X2	124,5	4.90	84,8	3.34	19,2	0.76	76,0	2.99	50,0
6S32DSB16	38S	25	-16	M52X2	136,7	5.38	97,0	3.82	19,2	0.76	89,0	3.50	60,0
6S32DSB20	38S	31	-20	M52X2	154,2	6.07	98,0	3.86	25,2	0.99	89,0	3.50	60,0

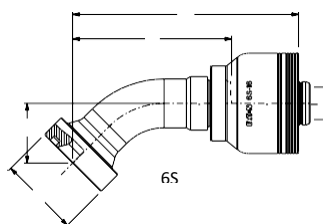
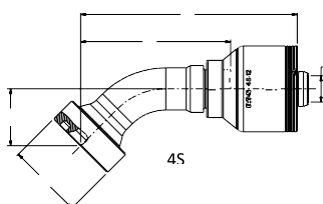
Code 61 Flange

SAE Code 61 Flange (FL)
Straight



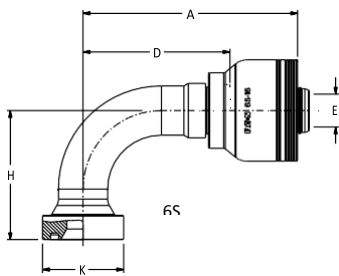
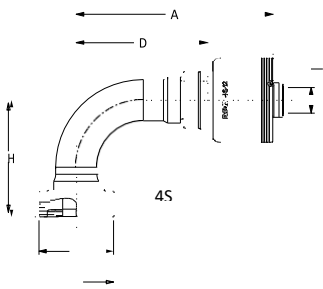
Part Number	Terminal End	Hose Size		Flange Head Dia. K Ø		A		D		E Ø	
1T	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in
1T8FL8	-8	12	-8	30.2	1.19	83	3.27	50	1.97	9	0.35
1T12FL10	-12	16	-10	38.1	1.50	94	3.70	57.4	2.26	12	0.47
4S	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in
4S12FL12	-12	19	-12	38,1	1.50	90,7	3.57	54,5	2.15	14,2	0.56
4S16FL12	-16	19	-12	44,5	1.75	90,2	3.55	54,0	2.13	14,2	0.56
4S20FL12	-20	19	-12	50,8	2.00	97,7	3.85	61,5	2.42	14,2	0.56
4S16FL16	-16	25	-16	44,5	1.75	93,3	3.67	53,6	2.11	19,2	0.76
4S20FL16	-20	25	-16	50,8	2.00	100,8	3.97	61,1	2.41	19,2	0.76
4S24FL16	-24	25	-16	60,4	2.38	97,4	3.83	57,7	2.27	19,2	0.76
4S16FL20	-16	31	-20	44,5	1.75	110,5	4.35	55,5	2.18	25,2	0.99
4S20FL20	-20	31	-20	50,8	2.00	117,4	4.62	62,2	2.45	25,2	0.99
4S24FL20	-24	31	-20	60,4	2.38	106,7	4.20	51,6	2.03	25,2	0.99
4S32FL20	-32	31	-20	71,4	2.81	104,9	4.13	49,9	1.96	25,2	0.99
4S24FL24	-24	38	-24	60,4	2.38	171,6	6.75	93,6	3.68	31,1	1.22
4S32FL24	-32	38	-24	71,4	2.81	174,7	6.88	96,7	3.81	31,1	1.22
4S32FL32	-32	51	-32	71,4	2.81	177,5	6.99	99,5	3.92	42,1	1.66
6S	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in
6S16FL16	-16	25	-16	44,5	1.75	93,3	3.67	53,6	2.11	19,2	0.76
6S20FL20	-20	31	-20	50,8	2.00	118,2	4.65	62,2	2.45	25,2	0.99
6S24FL24	-24	38	-24	60,4	2.38	171,6	6.75	93,6	3.68	31,1	1.22
6S32FL24	-32	38	-24	71,4	2.81	174,7	6.88	96,7	3.81	31,1	1.22
6S32FL32	-32	51	-32	71,4	2.81	177,5	6.99	99,5	3.92	42,1	1.66

SAE Code 61 Flange (FL)
45° Elbow



Part Number	Terminal End	Hose Size		Flange Head Dia. K Ø		D		E Ø		H	
1T	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in
1T8FLA8	-8	12	-8	30.2	1.9	91.7	3.61	58.7	2.31	9	0.35
1T12FLA10	-12	16	-10	38.1	1.50	100.7	3.97	64.1	2.53	12	0.47
4S	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in
4S12FLA12	-12	19	-12	38,1	1.50	113,8	4.48	77,6	3.06	14,2	0.56
4S16FLA12	-16	19	-12	44,4	1.75	127,9	5.04	91,7	3.61	14,2	0.56
4S12FLA16	-12	25	-16	38,1	1.50	116,9	4.60	77,2	3.04	19,2	0.76
4S16FLA16	-16	25	-16	44,4	1.75	131,0	5.16	91,3	3.59	19,2	0.76
4S20FLA16	-16	31	-20	44,4	1.75	152,1	5.99	97,0	3.82	25,2	0.99
4S16FLA20	-20	25	-16	50,8	2.00	150,2	5.91	110,5	4.35	19,2	0.76
4S20FLA20	-20	31	-20	50,8	2.00	166,8	6.57	111,6	4.39	25,2	0.99
4S24FLA20	-24	31	-20	60,4	2.38	161,6	6.36	106,6	4.20	25,2	0.99
4S24FLA24	-24	38	-24	60,3	2.37	214,3	8.44	136,3	5.37	31,1	1.22
4S32FLA24	-32	38	-24	71,4	2.81	251,0	9.88	173,0	6.81	31,1	1.22
4S32FLA32	-32	51	-32	71,4	2.81	253,9	10.00	175,9	6.92	42,1	1.66
6S	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in
6S16FLA16	-16	25	-16	44,4	1.75	131,0	5.16	91,3	3.59	19,2	0.76
6S20FLA16	-20	25	-16	50,8	2.00	150,2	5.91	110,5	4.35	19,2	0.76
6S20FLA20	-20	31	-20	50,8	2.00	167,6	6.60	111,6	4.39	25,2	0.99
6S24FLA24	-24	38	-24	60,3	2.37	214,3	8.44	136,3	5.37	31,1	1.22
6S32FLA24	-32	38	-24	71,4	2.81	251,0	9.88	173,0	6.81	31,1	1.22
6S32FLA32	-32	51	-32	71,4	2.81	253,9	10.00	175,9	6.92	42,1	1.66

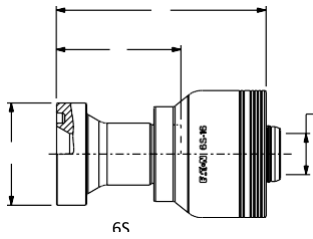
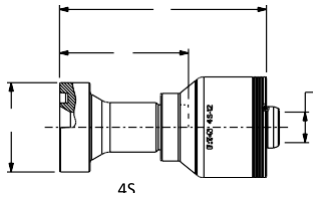
SAE Code 61 Flange (FLB)
90° Elbow



Part Number	Terminal End	Hose Size	Flange Head Dia. K Ø	A	D	E Ø	H
1T	Dash size	DN	Dash size	mm	in	mm	in
1T8FLB8	-8	12	-8	30.2	1.19	83.5	3.29
1T12FLB10	-12	16	-10	38.1	1.50	93.3	3.68
4S	Dash size	DN	Dash size	mm	in	mm	in
4S12FLB12	-12	19	-12	38,1	1.50	108,5	4.27
4S16FLB12	-16	19	-12	44,4	1.75	122,8	4.84
4S20FLB12	-20	19	-12	50,8	2.00	108,5	4.72
4S16FLB16	-16	25	-16	44,4	1.75	126,0	4.96
4S16FLB16.116	-16	25	-16	44,4	1.75	126,0	4.96
4S20FLB16	-20	25	-16	50,8	2.00	145,2	5.72
4S24FLB16	-24	25	-16	60,4	2.38	136,5	5.37
4S16FLB20	-16	31	-20	44,4	1.75	147,1	5.79
4S20FLB20	-20	31	-20	50,8	2.00	161,8	6.37
4S24FLB20	-24	31	-20	60,4	2.38	152,9	6.02
4S24FLB24	-24	38	-24	60,3	2.37	208,9	8.22
4S32FLB24	-32	38	-24	71,4	2.81	247,4	9.74
4S32FLB32	-32	51	-32	71,4	2.81	250,3	9.85
6S	Dash size	DN	Dash size	mm	in	mm	in
6S16FLB16	-16	25	-16	44,4	1.75	126,0	4.96
6S20FLB16	-20	25	-16	50,8	2.00	145,2	5.72
6S20FLB20	-20	31	-20	50,8	2.00	162,5	6.40
6S24FLB24	-24	38	-24	60,3	2.37	208,8	8.22
6S32FLB24	-32	38	-24	71,4	2.81	247,4	9.74
6S32FLB32	-32	51	-32	71,4	2.81	250,3	9.85

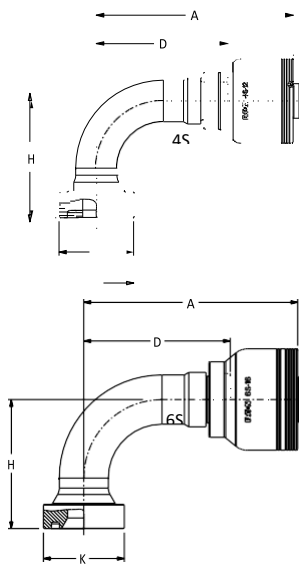
Code 62 Flange

SAE Code 61 Flange (FLB)
90° Elbow



Part Number	Terminal End	Hose Size		Flange Head Dia. K Ø		A		D		E Ø	
1T	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in
1T8FH8	-8	12	-8	31.8	1.25	80.7	3.18	47.7	1.88	9	0.35
1T12FH8	-12	12	-8	41.3	1.63	84.5	3.33	51.5	2.03	9	0.35
1T8FH10	-8	16	-10	31.8	1.25	87.2	3.44	50.6	1.99	12	0.47
1T12FH10	-12	16	-10	41.3	1.63	90.5	3.57	53.9	2.12	12	0.47
1T16FH10	-16	16	-10	47.6	1.87	104.5	4.11	67.9	2.68	12.1	0.48
4S	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in
4S12FH12	-12	19	-12	41,3	1.63	90,7	3.57	54,5	2.15	14,2	0.56
4S16FH12	-16	19	-12	47,7	1.88	90,2	3.55	54,0	2.13	14,2	0.56
4S12FH16	-12	25	-16	41,3	1.63	96,3	3.79	56,7	2.23	14,2	0.56
4S16FH16	-16	25	-16	47,7	1.88	98,9	3.89	59,1	2.33	19,2	0.76
4S20FH16	-20	25	-16	54,0	2.13	100,8	3.97	61,0	2.40	19,2	0.76
4S16FH20	-16	31	-20	47,7	1.88	123,8	4.87	68,6	2.70	25,2	0.99
4S20FH20	-20	31	-20	54,0	2.13	123,3	4.85	68,1	2.68	25,2	0.99
4S24FH20	-24	31	-20	63,5	2.50	129,0	5.08	73,9	2.91	25,2	0.99
4S24FH24	-24	38	-24	63,5	2.50	189,6	7.46	111,6	4.39	31,1	1.22
4S32FH24	-32	38	-24	79,4	3.13	204,4	8.05	126,4	4.89	31,1	1.22
4S32FH32	-32	51	-32	79,4	3.13	202,7	7.98	124,7	4.91	42,1	1.66
6S	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in
6S16FH16	-16	25	-16	47,7	1.88	98,8	3.89	59,2	2.33	19,2	0.76
6S20FH16	-20	25	-16	54,0	2.13	100,8	3.97	61,0	2.40	19,2	0.76
6S20FH20	-20	31	-20	54,0	2.13	124,0	4.88	68,1	2.68	25,2	0.99
6S24FH20	-24	31	-20	63,5	2.50	129,8	5.11	73,9	2.91	25,2	0.99
6S24FH24	-24	38	-24	63,5	2.50	189,6	7.46	111,6	4.39	31,1	1.22
6S32FH24	-32	38	-24	79,4	3.13	204,4	8.05	126,4	4.98	31,1	1.22
6S32FH32	-32	51	-32	79,4	3.13	202,7	7.98	124,7	4.91	42,1	1.66

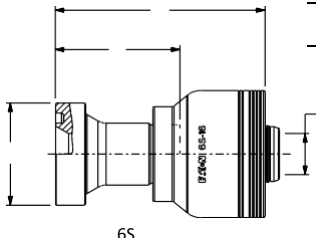
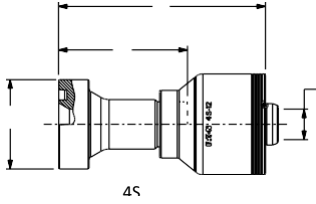
SAE Code 62 Flange (FHB)
90° Elbow



Part Number	Terminal End	Hose Size	Flange Head Dia. K Ø	A	D	E Ø	H
1T	Dash size	DN	Dash size	mm	in	mm	in
1T8FHA8	-8	12	-8	31.8	1.25	90.1	3.55
1T12FHA8	-12	12	-8	41.3	1.62	92.8	3.66
1T8FHA10	-8	16	-10	31.8	1.25	94.1	3.71
1T12FHA10	-12	16	-10	41.3	1.62	101	3.98
4S	Dash size	DN	Dash size	mm	in	mm	in
4S12FHA12	-12	19	-12	41,3	1.63	113,8	4.48
4S16FHA12	-16	19	-12	47,7	1.88	128,0	5.04
4S12FHA16	-12	25	-16	41,3	1.63	116,9	4.60
4S16FHA16	-16	25	-16	47,7	1.88	130,9	5.15
4S20FHA16	-20	25	-16	54,0	2.13	150,2	5.91
4S20FHA20	-20	31	-20	54,0	2.13	166,6	6.56
4S24FHA20	-24	31	-20	63,5	2.50	183,2	7.21
4S24FHA24	-24	38	-24	63,5	2.50	214,1	8.43
4S32FHA24	-32	38	-24	79,4	3.13	251,0	9.88
4S32FHA32	-32	51	-32	79,4	3.13	253,9	10.00
6S	Dash size	DN	Dash size	mm	in	mm	in
6S16FHA16	-16	25	-16	47,7	1.88	130,9	5.15
6S20FHA16	-20	25	-16	54,0	2.13	150,2	5.91
6S20FHA20	-20	31	-20	54,0	2.13	167,6	6.60
6S24FHA20	-24	31	-20	63,5	2.50	184,2	7.25
6S24FHA24	-24	38	-24	63,5	2.50	214,1	8.43
6S32FHA24	-32	38	-24	79,4	3.13	251,0	9.88
6S32FHA32	-32	51	-32	79,4	3.13	253,9	10.00

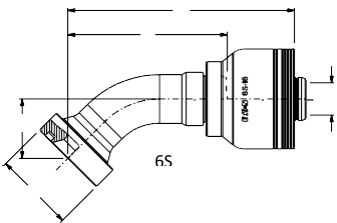
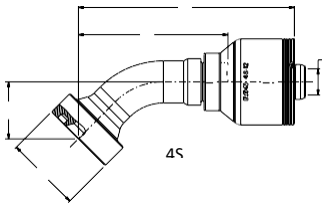
CAT® Flange

CAT® Flange (CT) Straight



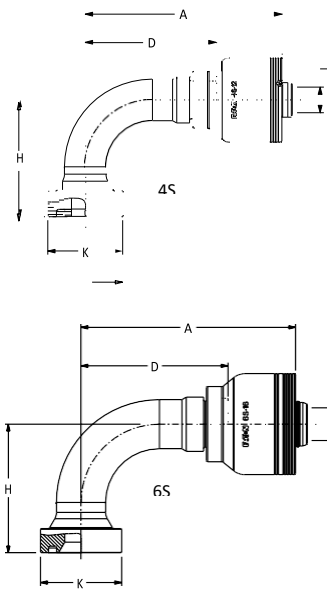
Part Number	Terminal End	Hose Size		Flange Head Dia. K Ø		A		D		E Ø	
4S	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in
4S12CT12	-12	19	-12	41,3	1.63	96,2	3.79	60,0	2.36	14,2	0.56
4S16CT12	-16	19	-12	47,6	1.87	94,9	3.74	58,7	2.31	14,2	0.56
4S16CT16	-16	25	-16	47,6	1.87	102,1	4.02	62,3	2.45	19,2	0.76
4S20CT16	-20	25	-16	54,0	2.13	104,8	4.13	65,0	2.56	19,2	0.76
4S20CT20	-20	31	-20	54,0	2.13	124,5	4.90	69,1	2.72	25,2	0.99
4S24CT20**	-24	31	-20	63,5	2.50	130,9	5.15	75,9	2.99	25,2	0.99
4S24CT24	-24	38	-24	63,5	2.50	195,0	7.68	117,0	4.61	31,1	1.22
4S32CT24	-32	38	-24	79,4	3.13	206,0	8.11	128,0	5.04	31,1	1.22
4S32CT32	-32	51	-32	79,4	3.13	208,9	8.22	130,9	5.15	42,1	1.66
6S	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in
6S16CT16	-16	25	-16	47,6	1.87	102,1	4.02	62,3	2.45	19,2	0.76
6S20CT16	-20	25	-16	54,0	2.13	104,8	4.13	65,0	2.56	19,2	0.76
6S20CT20	-20	31	-20	54,0	2.13	125,2	4.93	69,1	2.72	25,2	0.99
6S24CT20	-24	31	-20	63,5	2.50	131,8	5.19	75,9	2.99	25,2	0.99
6S24CT24	-24	38	-24	63,5	2.50	195,0	7.68	117,0	4.61	31,1	1.22
6S32CT24	-32	38	-24	79,4	3.13	206,0	8.11	128,1	5.04	31,1	1.22
6S32CT32	-32	51	-32	79,4	3.13	208,9	8.22	130,9	5.15	42,1	1.66

CAT® Flange (CTA) 45° Elbow

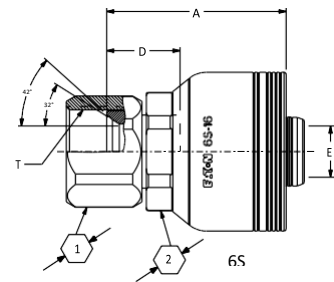
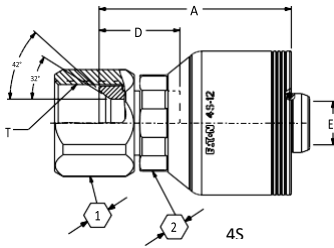


Part Number	Terminal End	Hose Size		Flange Head Dia. K Ø		A		D		E Ø		H	
4S	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in
4S12CTA12	-12	19	-12	41,3	1,63	117,7	4.63	81,5	3.21	14,2	0.56	30,9	1.22
4S16CTA12	-16	19	-12	47,6	1,87	131,2	5.17	95,0	3.74	14,2	0.56	35,3	1.39
4S16CTA16	-16	25	-16	47,6	1,87	134,3	5.29	94,6	3.72	19,2	0.76	35,3	1.39
4S20CTA16	-20	25	-16	54,0	2,13	153,0	6.02	113,2	4.46	19,2	0.76	41,8	1.65
4S20CTA20	-20	31	-20	54,0	2.13	169,4	6.67	114,3	4.50	25,2	0.99	41,8	1.65
4S24CTA20**	-24	31	-20	63,5	2.50	185,3	7.30	129,1	5.08	25,2	0.99	46,2	1.82
4S24CTA24	-24	38	-24	63,5	2.50	215,2	8.47	137,2	5.40	31,1	1.22	46,2	1.82
4S32CTA32	-32	51	-32	79,4	3.13	255,1	10.04	177,0	6.97	42,1	1.66	58,7	1.31
6S	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in
6S16CTA16	-16	25	-16	47,6	1,87	134,3	5.29	94,6	3.72	19,2	0.76	35,3	1.39
6S20CTA16	-20	25	-16	54,0	2.13	153,0	6.02	113,2	4.46	19,2	0.76	41,8	1.65
6S20CTA20	-20	31	-20	54,0	2.13	170,3	6.70	114,3	4.50	25,2	0.99	41,8	1.65
6S24CTA20	-24	31	-20	63,5	2.50	185,3	7.30	129,1	5.08	25,2	0.99	46,2	1.82
6S24CTA24	-24	38	-24	63,5	2.50	215,2	8.47	137,2	5.40	31,1	1.22	46,2	1.82
6S32CTA24	-32	38	-24	79,4	3.13	252,2	9.93	174,2	6.86	31,1	1.22	58,7	2.31
6S32CTA32	-32	51	-32	79,4	3.13	255,1	10.04	177,0	6.97	42,1	1.66	58,7	2.31

CAT® Flange (CTB) 90° Elbow



Part Number	Terminal End	Hose Size		Flange Head Dia. K Ø		A		D		E Ø		H	
4S	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in
4S12CTB12	-12	19	-12	41,3	1.63	108,5	4.27	72,3	2.85	14,2	0.56	64,5	2.54
4S16CTB12	-16	19	-12	47,6	1.87	122,8	4.83	86,6	3.41	14,2	0.56	75,7	2.98
4S16CTB16	-16	25	-16	47,6	1.87	126,0	4.96	86,2	3.39	19,2	0.76	75,7	2.98
4S20CTB16	-20	25	-16	54,0	2.13	145,2	5.72	105,4	4.15	19,2	0.76	92,9	3.66
4S20CTB20	-20	31	-20	54,0	2.13	161,5	6.36	106,5	4.19	25,2	0.99	92,9	3.66
4S24CTB20**	-24	31	-20	63,5	2.50	179,0	7.05	123,0	4.84	25,2	0.99	105,6	4.16
4S24CTB24	-24	38	-24	63,5	2.50	208,9	8.22	130,9	5.15	31,1	1.22	105,7	4.16
4S32CTB32	-32	51	-32	79,4	3.13	250,3	9.85	172,2	6.78	42,1	1.66	139,7	5.50
6S	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in
6S16CTB16	-16	25	-16	47,6	1.87	126,0	4.96	86,2	3.39	19,2	0.76	75,7	2.98
6S20CTB16	-20	25	-16	54,0	2.13	145,2	5.72	105,4	4.15	19,2	0.76	92,9	3.66
6S20CTB20	-20	31	-20	54,0	2.13	162,5	6.40	106,5	4.19	25,2	0.99	92,9	3.66
6S24CTB20	-24	31	-20	63,5	2.50	179,0	7.05	123,0	4.84	25,2	0.99	105,6	4.16
6S24CTB24	-24	38	-24	63,5	2.50	208,9	8.22	130,9	5.15	31,1	1.22	105,7	4.16
6S32CTB24	-32	38	-24	69,6	2.74	247,4	9.74	169,4	6.67	31,1	1.22	139,7	5.50
6S32CTB32	-32	51	-32	79,4	3.13	250,3	9.85	172,2	6.78	42,1	1.66	139,7	5.50

**Female JIC/37° Swivel (FJ)
Straight**


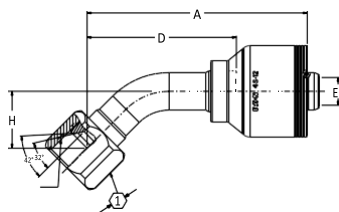
Part Number	Terminal End	Hose Size		Thread	A		D		E Ø			
1T	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm	
1T6FJ6	-6	10	-6	9/16 -18	47	1.85	17.5	0.69	6.5	0.2561		17
1T8FJ6	-8	10	-6	3/4 - 16	49	1.93	19	0.75	6.5	0.2561		22
1T8FJ8	-8	12	-8	3/4 - 16	52.5	2.07	19.5	0.77	9	0.3546		22
1T10FJ8	-10	12	-8	7/8 - 14	54	2.13	21	0.83	9	0.3546		27
1T10FJ10	-10	16	-10	7/8 - 14	59.5	2.34	22.9	0.90	12	0.4728		27
1T12FJ10	-12	16	-10	1 1/16- 12	57	2.25	20	0.79	12	0.4728		32

Part Number	Terminal End	Hose Size		Thread	A		D		E Ø			
4S	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm	
4S10FJ12	-10	19	-12	7/8-14	75,0	2.95	38,8	1.53	12,3	0.48	30,0	1 3/16 27
4S12FJ12	-12	19	-12	1 1/16-12	82,0	3.23	45,7	1.80	14,2	0.56	30,0	1 3/16 32
4S14FJ12	-14	19	-12	1 3/16-12	77,5	3.05	41,3	1.63	14,2	0.56	30,0	1 3/16 36
4S16FJ12	-16	19	-12	1 5/16-12	80,2	3.16	44,0	1.73	14,2	0.56	30,0	1 3/16 41
4S12FJ16	-12	25	-16	1 1/16-12	78,8	3.10	39,1	1.54	15,5	0.61	41,0	1 5/8 32
4S16FJ16	-16	25	-16	1 5/16-12	89,2	3.51	49,3	1.94	19,2	0.76	41,0	1 5/8 41
4S20FJ16	-20	25	-16	1 5/8-12	85,8	3.38	46,0	1.81	19,2	0.76	41,0	1 5/8 50
4S16FJ20	-16	31	-20	1 5/16-12	99,1	3.90	43,7	1.72	25,2	0.99	46,0	1 13/16 41
4S20FJ20	-20	31	-20	1 5/8-12	101,6	4.00	46,3	1.82	25,2	0.99	46,0	1 13/16 50
4S24FJ20	-24	31	-20	1 7/8-12	106,8	4.20	51,5	2.03	25,2	0.99	46,0	1 13/16 55
4S24FJ24	-24	38	-24	1 7/8-12	134,9	5.31	56,8	2.24	31,1	1.22	57,0	2 1/4 55
4S32FJ32	-32	51	-32	2 1/2-12	146,0	5.75	68,0	2.68	42,1	1.66		75

6S	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm	
6S16FJ16	-16	25	-16	1 5/16-12	89,2	3.51	49,3	1.94	19,2	0.76	41,0	1 5/8 41
6S20FJ20	-20	31	-20	1 5/8-12	102,3	4.03	46,3	1.82	25,2	0.99	46,0	1 13/16 50
6S24FJ20	-24	31	-20	1 7/8-12	107,5	4.23	51,5	2.03	25,2	0.99	46,0	1 13/16 55
6S24FJ24	-24	38	-24	1 7/8-12	134,9	5.31	56,8	2.24	31,1	1.22	57,0	2 1/4 55
6S32FJ32	-32	51	-32	2 1/2-12	146,0	5.75	68,0	2.68	42,1	1.66		75

⚠ When assembled with all Eaton components, all SAE 37° JIC male and female terminal ends in the 4S & 6S product line are rated at the pressures listed in the table above and have passed one million impulse cycles at 133% of this pressure. All straight configurations achieve a 4:1 burst. The 45° and 90° elbow configurations in the -12 size meet a 3.2:1 burst the 45° and 90° elbow configurations in the -16 size achieve a 2.8:1 burst; the 45° and 90° elbow configurations in the -20 size meet a 4:1 burst and the 45° & 90° elbow configurations in the -24 size meet a 2.4:1 burst.

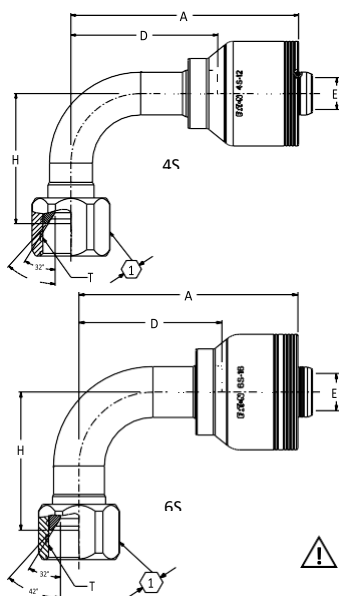
**Female JIC/37° Swivel (FJA)
45° Elbow**



Part Number	Terminal End	Hose Size	Thread	A		D		E Ø		H			
1T	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm		
1T6FJA6	-6	10	-6	9/16 - 18	64.9	2.56	35.4	1.39	6.6	0.26	13.4	0.53	17
1T8FJA8	-8	12	-8	3/4 - 16	78.2	3.08	45	1.77	9	0.35	19.7	0.78	22
1T10FJA10	-10	16	-10	7/8 - 14	97	3.82	60	2.36	12	0.47	24.5	0.97	27
4S	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm		
4S12FJA12	-12	19	-12	1 1/16-12	112,3	4.42	76,1	3.00	14,2	0.56	29,0	1.14	32
4S16FJA12	-16	19	-12	1 5/16-12	133,6	5.26	97,5	3.84	14,2	0.56	38,0	1.50	41
4S16FJA16	-16	25	-16	1 5/16-12	128,8	5.07	89,3	3.52	19,2	0.76	38,0	1.50	41
4S20FJA16	-20	25	-16	1 5/8-12	120,1	4.73	80,4	3.17	19,2	0.75	32,0	1.26	50
4S20FJA20	-20	31	-20	1 5/8-12	135,6	5.34	80,4	3.17	25,2	0.99	32,0	1.26	50
4S24FJA24	-24	38	-24	1 7/8-12	212,0	8.35	134,0	5.28	31,1	1.22	43,0	1.69	55
6S	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm		
6S20FJA20	-20	31	-20	1 5/8-12	136,4	5.37	80,4	3.17	25,2	0.99	32,0	1.26	50
6S24FJA24	-24	38	-24	1 7/8-12	212,0	8.35	134,0	5.28	31,1	1.22	43,0	1.69	55

⚠ Refer to note below.

**Female JIC/37° Swivel (FJB)
90° Elbow**



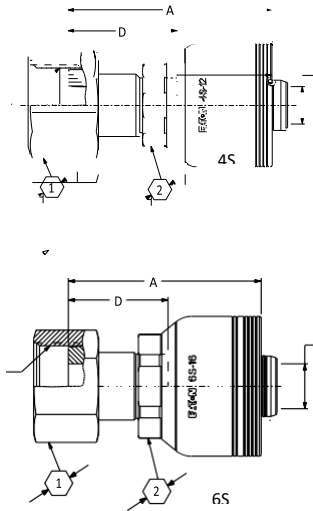
Part Number	Terminal End	Hose Size		Thread	A		D		E Ø		H		
1T	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm	in	mm
1T6FJB6	-6	10	-6	9/16 - 18	58	2.29	28.5	1.12	6.5	0.26	25.5	1.00	17
1T8FJB8	-8	12	-8	3/4 - 16	69	2.72	36	1.42	9	0.35	34	1.34	22
1T10FJB10	-10	16	-10	7/8 - 14	87	3.43	46.4	1.83	12	0.47	49	1.93	27
4S	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm	in	mm
4S12FJB12	-12	19	-12	1 1/16-12	101,3	3.99	65,3	2.57	14,2	0.56	58,0	2.28	32
4S16FJB12	-16	19	-12	1 5/16-12	110,0	4.33	73,8	2.91	14,2	0.56	71,0	2.80	41
4S16FJB16	-16	25	-16	1 5/16-12	113,1	4.45	73,5	2.89	19,2	0.76	71,0	2.80	41
4S20FJB16	-20	25	-16	1 5/8-12	117,1	4.61	77,4	3.05	19,2	0.75	78,0	3.07	50
4S20FJB20	-20	31	-20	1 5/8-12	132,6	5.22	77,4	3.05	25,2	0.99	78,0	3.07	50
4S24FJB24	-24	38	-24	1 7/8-12	208,9	8.22	130,8	5.15	31,1	1.22	104,0	4.09	55
6S	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm	in	mm
6S16FJB16	-16	25	-16	1 5/16-12	113,1	4.45	73,5	2.89	19,0	0.75	71,0	2.80	41
6S20FJB20	-20	31	-20	1 5/8-12	133,4	5.25	77,4	3.05	25,2	0.99	78,0	3.07	50
6S24FJB24	-24	38	-24	1 7/8-12	208,9	8.22	130,8	5.15	31,1	1.22	104,0	4.09	55

⚠ Refer to note below.

⚠ When assembled with all Eaton components, all SAE 37o JIC male and female terminal ends in the 4S & 6S product line are rated at the pressures listed in the table above and have passed one million impulse cycles at 133% of this pressure. All straight configurations achieve a 4:1 burst. The 45o and 90o elbow configurations in the -12 size meet a 3.2:1 burst the 45o and 90o elbow configurations in the -16 size achieve a 2.8:1 burst; the 45o and 90o elbow configurations in the -20 size meet a 4:1 burst and the 45o & 90o elbow configurations in the -24 size meet a 2.4:1 burst.

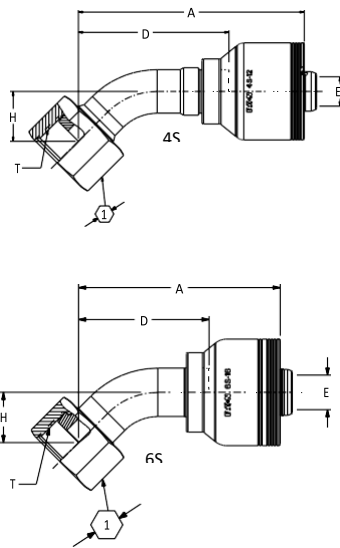
ORS

Female ORS Swivel (FR) Straight



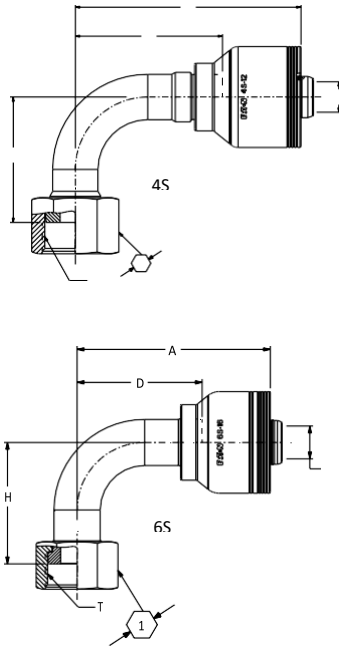
Part Number	Terminal End	Hose Size	Thread	A	D	E Ø	2	1
1T	Dash size	DN	Dash size in	mm	in	mm	in	mm
1T6FR6	-6	10	-6 1 1/16- 16	60.5	2.38	31	1.22	6 0.24 22 7/8 19
1T8FR8	-8	12	-8 1 3/16- 16	70.5	2.78	37.5	1.48	9 0.35 24 15/16 22
1T10FR10	-10	16	-10 1- 14	75.5	2.97	38.9	1.53	12 0.47 30 1 3/16 27
4S	Dash size	DN	Dash size in	mm	in	mm	in	mm
4S10FR12	-10	19	-12 1 - 14	74,4	2.93	38,1	1.50	14,2 0.56 30,0 1 3/16 30
4S12FR12	-12	19	-12 1 3/16-12	77,4	3.05	41,2	1.62	14,2 0.56 30,0 1 3/16 36
4S16FR12	-16	19	-12 1 7/16-12	79,2	3.12	43,1	1.70	14,2 0.56 30,0 1 3/16 41
4S12FR16	-12	25	-16 1 3/16-12	80,5	3.17	40,8	1.61	19,2 0.76 41,0 1 5/8 36
4S16FR16	-16	25	-16 1 7/16-12	82,4	3.24	42,6	1.68	19,2 0.76 41,0 1 5/8 41
4S20FR16	-20	25	-16 1 11/16-12	82,4	3.24	42,7	1.68	19,2 0.76 41,0 1 5/8 50
4S20FR20	-20	31	-20 1 11/16-12	99,0	3.90	43,8	1.72	25,2 0.99 46,0 1 13/16 50
4S24FR24	-24	38	-24 2 - 12	125,7	4.95	47,6	1.87	31,1 1.22 57,0 2 1/4 55
6S	Dash size	DN	Dash size in	mm	in	mm	in	mm
6S16FR16	-16	25	-16 1 7/16-12	82,4	3.24	42,6	1.68	19,2 0.76 41,0 1 5/8 41
6S20FR16	-20	25	-16 1 11/16-12	82,4	3.24	42,7	1.68	19,2 0.76 41,0 1 5/8 50
6S20FR20	-20	31	-20 1 11/16-12	99,8	3.93	43,8	1.72	25,2 0.99 46,0 1 13/16 50
6S24FR24	-24	38	-24 2 - 12	125,7	4.95	47,6	1.87	31,1 1.22 57,0 2 1/4 55

Female ORS Swivel (FRA) 45° Elbow



Part Number	Terminal End	Hose Size	Thread	A	D	E Ø	H	1
1T	Dash size	DN	Dash size in	mm	in	mm	in	mm
1T6FRA6	-6	10	-6 11/16- 16	65	2.56	35.5	1.40	6 0.24 10.5 0.41 22
1T8FRA8	-8	12	-8 13/16- 16	78.5	3.09	45.4	1.79	9 0.35 15 0.59 24
1T10FRA10	-10	16	-10 1- 14	85.2	3.36	48.6	1.91	12 0.47 16.4 0.65 30
4S	Dash size	DN	Dash size in	mm	in	mm	in	mm
4S12FRA12	-12	19	-12 1 3/16-12	108,7	4.28	72,5	2.85	14,2 0.56 24,0 0.94 36
4S16FRA12	-16	19	-12 1 7/16-12	119,9	4.72	83,7	3.30	14,2 0.56 28,0 1.10 41
4S16FRA16	-16	25	-16 1 7/16-12	112,8	4.44	73,0	2.87	19,2 0.76 28,0 1.10 41
4S20FRA16	-20	25	-16 1 11/16-12	136,7	5.38	97,0	3.82	19,2 0.76 31,0 1.22 50
4S20FRA20	-20	31	-20 1 11/16-12	153,4	6.04	98,1	3.86	25,2 0.99 31,0 1.22 50
4S24FRA24	-24	38	-24 2 - 12	212,0	8.35	134,0	5.28	31,1 1.22 43,0 1.69 55
6S	Dash size	DN	Dash size in	mm	in	mm	in	mm
6S16FRA16	-16	25	-16 1 7/16-12	112,8	4.44	73,0	2.87	19,2 0.76 28,0 1.10 41
6S20FRA16	-20	25	-16 1 11/16-12	136,7	5.38	97,0	3.82	19,2 0.76 31,0 1.22 50
6S20FRA20	-20	31	-20 1 11/16-12	154,1	6.07	98,1	3.86	25,2 0.99 31,0 1.22 50
6S24FRA24	-24	38	-24 2 - 12	212,0	8.35	134,0	5.28	31,1 1.22 43,0 1.69 55

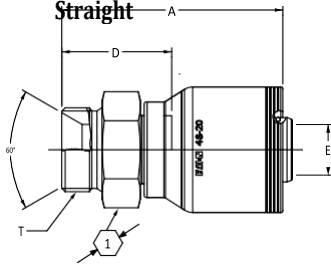
Female ORS Swivel (FRB) 90° Elbow



Part Number	Terminal End	Hose Size	Thread	A	D	E Ø	H						
1T	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm	mm	
1T6FRB6	-6	10	-6	1 3/16- 16	61.9	2.44	32.4	1.28	6.5	0.26	22.4	0.88	22
1T8FRB8	-8	12	-8	1 3/16- 16	71.7	2.82	38.7	1.52	9	0.35	29.1	1.15	24
1T10FRB10	-10	16	-10	1- 14	77.8	3.07	41.2	1.62	12	0.47	32.2	1.27	30
4S	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm	in	mm
4S10FRB12	-10	19	-12	1 - 14	91,5	3.60	55,3	2.18	14,2	0.56	32,3	1.27	30
4S12FRB12	-12	19	-12	1 3/16-12	104,4	4.11	68,1	2.68	14,2	0.56	58,0	2.28	36
4S16FRB12	-16	19	-12	1 7/16-12	117,1	4.61	80,9	3.19	14,2	0.56	71,0	2.80	41
4S12FRB16	-12	25	-16	1 3/16-12	107,5	4.23	67,7	2.67	19,2	0.76	58,0	2.28	36
4S16FRB16	-16	25	-16	1 7/16-12	112,8	4.44	73,0	2.87	19,2	0.76	71,0	2.80	41
4S20FRB16	-20	25	-16	1 11/16-12	136,5	5.37	96,8	3.81	19,2	0.76	78,0	3.07	50
4S20FRB20	-20	31	-20	1 11/16-12	153,1	6.03	97,9	3.85	25,2	0.99	78,0	3.07	50
4S24FRB20	-24	31	-20	2 - 12	152,9	6.02	97,9	3.85	25,2	0.99	86,0	3.39	55
4S24FRB24	-24	38	-24	2 - 12	208,9	8.22	130,8	5.15	31,1	1.22	104,0	4.09	55
6S	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm	in	mm
6S16FRB16	-16	25	-16	1 7/16-12	112,8	4.44	73,0	2.87	19,2	0.76	71,0	2.80	41
6S20FRB16	-20	25	-16	1 11/16-12	136,5	5.37	96,8	3.81	19,2	0.76	78,0	3.07	50
6S20FRB20	-20	31	-20	1 11/16-12	153,9	6.06	97,9	3.85	25,2	0.99	78,0	3.07	50
6S24FRB24	-24	38	-24	2 - 12	208,9	8.22	130,8	5.15	31,1	1.22	104,0	4.09	55

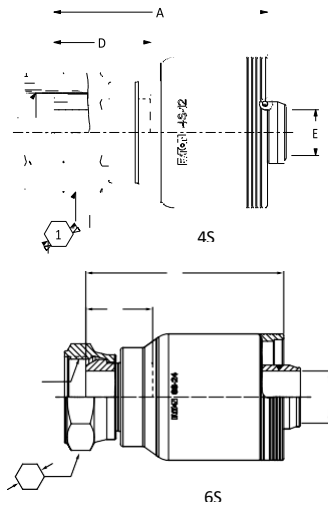
BSP 60° Cone

BSP Male Parallel Rigid (BP) 60° Cone Seat Straight



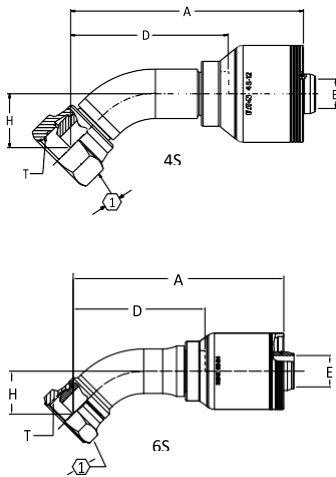
Part Number	Terminal End	Hose Size		Thread	A		D		E Ø		
1T	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm
1T6BP6	-6	10	-8	G 3/8"	55	2.17	25.5	1.00	6.5	0.26	19
1T8BP8	-8	12	-8	G 1/2"	61	2.40	28	1.10	9	0.35	22
1T10BP10	10	16	10	G 5/8"	68	2.68	27.4	1.08	12	0.47	27
4S	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm
4S12BP12	-12	19	-12	G 3/4-14	79,6	3.13	43,4	1.71	14,2	0.56	32,0
4S16BP16	-16	25	-16	G 1-11	89,8	3.53	50,1	1.97	19,2	0.75	41,0
4S20BP20	-20	31	-20	G 1 1/4-11	109,7	4.32	54,5	2.15	25,1	0.99	50,0

**Female BSPP Swivel (BF)
60° Cone Seat
Straight**



Part Number	Terminal End	Hose Size	Thread	A		D		E Ø		1	
1T	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm
1T6BF6	-6	10	-6	G 3/8"	50	1.97	20.5	0.81	6.5	0.26	22
1T8BF8	-8	12	-8	G 1/2"	55.5	2.19	22.5	0.89	9	0.35	27
1T10BF10	-10	16	-10	G 5/8"	60	2.36	23.5	0.93	12	0.47	27
4S	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm
4S12BF12	-12	19	-12	G 3/4-14	66,2	2.61	29,9	1.18	14,2	0.56	32,0
4S16BF12	-16	19	-12	G 1-11	68,7	2.70	32,3	1.27	14,2	0.56	41,0
4S16BF16	-16	25	-16	G 1-11	71,0	2.80	32,3	1.27	19,2	0.76	41,0
4S20BF16	-20	25	-16	G 1 1/4-11	72,5	2.85	32,7	1.29	19,2	0.76	50,0
4S20BF20	-20	31	-20	G 1 1/4-11	82,8	3.26	32,7	1.29	25,2	0.99	50,0
4S24BF24	-24	38	-24	G 1 1/2-11	117,9	4.64	39,8	1.57	31,1	1.22	55,0
4S32BF32	-32	51	-32	G 2-11	121,0	4.76	43,0	1.69	42,1	1.66	70,0
6S	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm
6S24BF24	-24	38	-24	G 1 1/2-11	117,9	4.64	39,8	1.57	31,1	1.22	55,0
6S32BF32	-32	51	-32	G 2-11	121,0	4.76	43,0	1.69	42,1	1.66	70,0

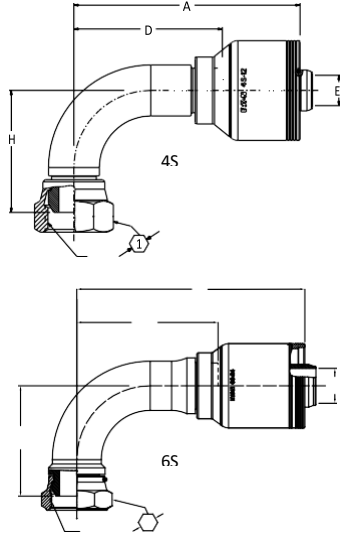
**Female BSPP Swivel (BFA)
60° Cone Seat
45° Elbow**



Part Number	Terminal End	Hose Size	Thread	A		D		E Ø		H		1	
1T	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm	in	mm
1T6BFA6	-6	10	-6	G 3/8"	68	2.68	38.5	1.52	6	0.24	14	0.55	22
1T8BFA8	-8	12	-8	G 1/2"	74	2.92	41	1.62	9	0.35	15	0.59	27
1T10BFA10	-10	16	-10	G 5/8"	80	3.15	43	1.69	12	0.47	16.5	0.65	30
4S	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm	in	mm
4S12BFA12	-12	19	-12	G 3/4-14	112,3	4.42	75,9	2.99	14,2	0.56	26,0	1.02	032,0
4S16BFA12	-16	19	-12	G 1-11	115,8	4.56	79,5	3.13	14,2	0.56	30,0	1.18	41,0
4S16BFA16	-16	25	-16	G 1-11	130,3	5.13	90,6	3.57	19,2	0.76	30,0	1.18	41,0
4S20BFA16	-20	25	-16	G 1 1/4-11	133,0	5.24	93,4	3.68	19,2	0.76	34,0	1.34	50,0
4S20BFA20	-20	31	-20	G 1 1/4-11	149,5	5.89	99,1	3.90	25,2	0.99	34,0	1.34	50,0
4S24BFA24	-24	38	-24	G 1 1/2-11	208,3	8.20	130,3	5.13	31,1	1.22	42,4	1.67	55,0
4S32BFA32	-32	51	-32	G 2-11	248,4	9.78	170,4	6.71	42,1	1.66	54,1	2.13	70,0
6S	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm	in	mm
6S24BFA24	-24	38	-24	G 1 1/2-11	208,3	8.20	130,3	5.13	31,1	1.22	42,4	1.67	55,0
6S32BFA32	-32	51	-32	G 2-11	248,4	9.78	170,4	6.71	42,1	1.66	54,1	2.13	70,0

"G" as part of thread size is ISO designation for parallel thread.

Female BSPP Swivel (BFB)
60° Cone Seat
90° Elbow



Part Number	Terminal End	Hose Size		Thread	A		D		E Ø		H	
1T	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm	mm
1T6BFB6	-6	10	-6	G 3/8"	62	2.44	32.4	1.28	6.5	0.26	28	1.10 22
1T8BFB8	-8	12	-8	G 1/2"	69.5	2.74	36.5	1.44	9	0.35	32	1.26 27
1T10BFB10	-10	16	-10	G 5/8"	76.5	3.01	39	1.54	12	0.47	36	1.42 27
4S	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm	mm
4S12BFB12	-12	19	-12	G 3/4-14	105,9	4.17	69,6	2.74	14,2	0.56	57,0	2.24 32,0
4S16BFB12	-16	19	-12	G 1-11	105,9	4.17	69,6	2.74	14,2	0.56	68,0	2.68 41,0
4S16BFB16	-16	25	-16	G 1-11	125,5	4.94	85,8	3.38	19,2	0.76	68,0	2.68 41,0
4S20BFB16	-20	25	-16	G 1 1/4-11	125,5	4.94	85,8	3.38	19,2	0.76	79,0	3.11 50,0
4S20BFB20	-20	31	-20	G 1 1/4-11	145,0	5.71	95,0	3.74	25,2	0.99	79,0	3.11 50,0
4S24BFB24	-24	38	-24	G 1 1/2-11	205,1	8.07	127,0	5.00	31,1	1.22	98,6	3.88 55,0
4S32BFB32	-32	51	-32	G 2-11	245,7	9.67	167,6	6.60	42,1	1.66	125,3	4.93 70,0
6S	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm	mm
6S24BFB24	-24	38	-24	G 1 1/2-11	205,1	8.07	127,0	5.00	31,1	1.22	98,6	3.88 55,0
6S32BFB32	-32	51	-32	G 2-11	245,7	9.67	167,6	6.60	42,1	1.66	125,3	4.93 70,0

"G" as part of thread size is ISO designation for parallel thread.

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