

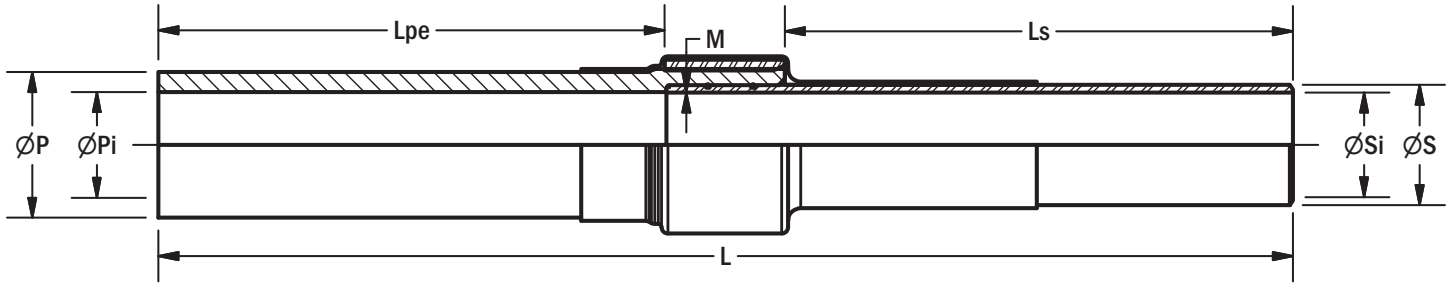


ID Controlled Transition Fitting Dimension Chart

1.0 Introduction

This table is a non-exhaustive listing of ID Controlled Transition Fitting pieces made by Hawkeye Industries. Dimensions provided are for reference only, and should not be used to perform engineering calculations.

2.0 Size Chart



Size PE Steel (NPS)	DR	Length L ² (in)	Exposed PE Lpe ³ (in)	Exposed Steel Ls ⁴ (in)	PE OD ØP (in)	Steel OD ØS (in)	PE ID Øpi (in)	Steel ID Øsi ⁵ (in)	Margin M ⁶ (in)
1.5	1.5	7.3	22.0	9.8	1.90	1.90	1.38	1.21	-0.17
1.5	5	22.0	9.8	9.8	1.90	1.90	1.43	1.21	-0.22
							1.43		0.27
							1.62		0.07
							1.72		-0.03
							1.85	1.69	-0.16
2	2	22.0	9.8	9.8	2.38	2.38	1.94		-0.25
							2.02		-0.33
							2.10		-0.40
							2.15		-0.46
							1.96		-0.27
2.5	2	22.1	9.8	9.8	2.88	2.38	2.09	1.69	-0.40
							2.24		-0.54
							2.35		-0.66
							2.09		0.01
							2.24	2.09	-0.14
2.5	2.5	22.6	9.8	9.8	3.50	2.88	2.35		-0.26
							2.09		0.01
							2.24	2.09	-0.14
							2.35		-0.26
							2.10		-0.41
3	2.5	22.6	9.8	9.8	3.50	2.88	2.39	1.69	-0.70
							2.54		-0.85
							2.72		-1.03
							2.98		-1.29
							3.09		-1.40
3	3	22.6	9.8	9.8	3.50	2.88	2.10		-0.01
							2.39		-0.29
							2.54	2.09	-0.45
							2.72		-0.63
							2.10		0.47
4	2.5	23.4	9.8	9.8	4.50	2.88	2.39	2.09	0.18
							2.54		0.03
							2.72	2.57	-0.15
							2.86		-0.30
							2.98		-0.41
4	3	23.4	9.8	9.8	4.50	3.50	3.09		-0.52
							2.72		0.80
							2.88	2.70	-0.61
							2.70		-0.13
							3.07		-0.50
4	4	23.4	9.8	9.8	4.50	3.50	3.27	2.57	-0.70
							3.50		-0.93
							3.68		-1.11
							3.83		-1.27
							3.97		-1.40
4	4	23.4	9.8	9.8	4.50	4.50	2.70		0.83
							3.07		0.45
							3.27		0.26
							3.50	3.53	0.03
							3.60		-0.07
4	4	23.4	9.8	9.8	4.50	4.50	3.68		-0.16
							3.83		-0.31
							3.97		-0.44
							2.70		0.83
							3.07		0.45

Size PE Steel (NPS)	DR	Length L ² (in)	Exposed PE Lpe ³ (in)	Exposed Steel Ls ⁴ (in)	PE OD ØP (in)	Steel OD ØS (in)	PE ID Øpi (in)	Steel ID Øsi ⁵ (in)	Margin M ⁶ (in)
3	11					3.50	4.55	2.57	-1.98
3	6.3	24.3	10.0	10.0	5.56	4.50	3.80		-0.27
							4.04		-0.51
							4.33	3.53	-0.80
4	9	24.3	10.0	10.0	5.56	4.50	4.55		-1.03
							4.74		-1.21
							4.91		-1.38
4	11	24.3	10.0	10.0	5.56	4.50	3.80		0.69
							4.55	4.48	-0.07
							4.74		-0.25
4	13.5	24.3	10.0	10.0	5.56	4.50	4.91		-0.42
							4.91		-0.42
							4.91		-0.42
5	11	25.3	10.1	10.1	6.63	5.56	4.81		-1.28
							5.15	3.53	-1.63
							4.81	4.48	-0.33
5	13.5	25.3	10.1	10.1	6.63	5.56	5.15		-0.67
							5.15	4.48	-0.33
							5.15		-0.67
6	9	25.3	10.1	10.1	6.63	6.63	4.81		0.63
							5.15	5.44	0.29
							5.30		0.14
6	11	25.3	10.1	10.1	6.63	6.63	5.42		0.02
							5.64		-0.20
							5.85		-0.41
6	13.5	25.3	10.1	10.1	6.63	6.63	5.89		-0.45
							6.26	5.44	-0.82
							6.71		-1.27
8	9	26.8	10.1	10.1	8.63	6.63	7.06		-1.62
							5.89		1.47
							6.26	7.36	1.09
8	11	26.8	10.1	10.1	8.63	8.63	6.71		0.65
							7.06		0.30
							7.35		0.01
8	13.5	26.8	10.1	10.1	8.63	8.63	7.61		-0.25
							7.61		-0.25
							7.61		-0.25
10	9	28.5	10.2	10.2	10.75	8.63	7.80		-0.45
							8.36	7.36	-1.44
							8.80		-1.44
10	11	28.5	10.2	10.2	10.75	10.75	7.34		1.93
							7.80		1.47
							8.36	9.27	0.91
10	13.5	28.5	10.2	10.2	10.75	10.75	8.80		0.47
							9.49		-0.22
							9.49		-0.22
12	9	30.0	10.5	10.5	12.75	10.75	8.70		0.57
							9.26	9.27	0.01
							10.43		-1.16
12	11	30.0	10.5	10.5	12.75	12.75	9.92		1.33
							10.43	11.25	0.82
							11.25		0.00
12	13.5	30.0	10.5	10.5	12.75	12.75	11.54		-0.29
							11.54		-0.29
							11.54		-0.29
14	9	31.1	10.8	10.8	14.00	14.00	10.89		2.36
							11.45	13.25	1.80
							11.45		1.80
16	6.3	32.6	10.5	10.5	16.00	10.75	10.92		-1.65
							11.62	9.27	-2.35
							13.09		2.16
16	9	32.6	10.5	10.5	16.00	16.00	13.09		2.16
							14.12	15.25	1.13
							14.12		1.13
18	11	32.8	10.9	10.9	18.00	16.00	14.73		0.52
							14.73	15.25	0.52
							14.73		0.52

1.) This chart is for informational purposes only, and is not for engineering or design use. All information is subject to change without notice. Not all sizes, SDRs shown.

2.) Overall length is ± 2.0 depending on material and manufacturing variances.

3.) Exposed PE Length is ±1.0 depending on material and manufacturing variances.

4.) Exposed Steel Length is ±1.0 depending on material and manufacturing variances.

5.) Steel ID is based on SCH 40 WT for sizes 10 NPS and under, STD WT for sizes 12 NPS and over.

6.) Margin = Steel ID - PE ID (Øsi - Øpi). Negative indicates Øpi is larger than Øsi.