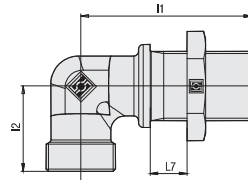
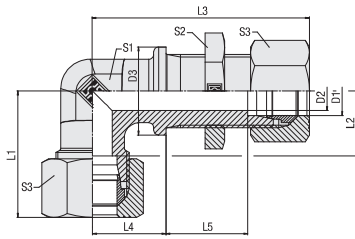


Elbow Bulkhead Fittings Type FI-WS • Series L / S



Series	Tube OD PN (mm/in)	Dimensions (mm/in)	Weight (kg/lbs) ca. per 100 ²	Ordering Codes ³
L	D1	D2 L i1 i2 L1 ¹ L2 L3 ¹ L4 L5 L7 ¹ L7 ¹ S1 S2 S3		
	6	315 4 17 48 19 27 12 56 14 27 3 16 12 17 14 4,88		FI-WS-06L-W3-SKM
	.24	4568 .16 .67 1.89 .75 1.06 .47 2.20 .55 1.06 .12 .63 .47 .67 .55 10.74		
	8	315 6 19 51 21 29 14 59 17 27 3 16 12 19 17 6,11		FI-WS-08L-W3-SKM
	.31	4568 .24 .75 2.01 .83 1.14 .55 2.32 .67 1.06 .12 .63 .47 .75 .67 13.43		
	10	315 8 22 53 22 30 15 61 18 28 3 16 14 22 19 7,89		FI-WS-10L-W3-SKM
	.39	4568 .31 .87 2.09 .87 1.18 .59 2.40 .71 1.10 .12 .63 .55 .87 .75 17.35		
	12	315 10 24 56 24 32 17 64 20 29 3 16 17 24 22 9,65		FI-WS-12L-W3-SKM
	.47	4568 .39 .94 2.20 .94 1.26 .67 2.52 .79 1.14 .12 .63 .67 .94 .87 21.23		
	15	315 12 27 61 28 36 21 69 23 31 3 16 19 30 27 16,31		FI-WS-15L-W3-SKM
	.59	4568 .47 1.06 2.40 1.10 1.42 .83 2.72 .91 1.22 .12 .63 .75 1.18 1.06 35.88		
	18	315 15 32 64 31 40 23,5 73 24 32,5 3 16 24 36 32 23,82		FI-WS-18L-W3-SKM
	.71	4568 .59 1.26 2.52 1.22 1.57 .93 2.87 .94 1.28 .12 .63 .94 1.42 1.26 52.40		
	22	250 19 36 72 35 44 27,5 81 30 34,5 4 16 27 41 36 30,41		FI-WS-22L-W3-SKM
	.87	3625 .75 1.42 2.83 1.38 1.73 1.08 3.19 1.18 1.36 .16 .63 1.06 1.61 1.42 66.90		
	28	250 24 42 77 38 47 30,5 86 34 35,5 4 16 36 46 41 45,92		FI-WS-28L-W3-SKM
	1.10	3625 .94 1.65 3.03 1.50 1.85 1.20 3.39 1.34 1.40 .16 .63 1.42 1.81 1.61 101.03		
	35	250 30 50 86 45 56 34,5 97 39 36,5 4 16 41 55 50 75,00		FI-WS-35L-W3-SKM
	1.38	3625 1.18 1.97 3.39 1.77 2.20 1.36 3.82 1.54 1.44 .16 .63 1.61 2.17 1.97 165.00		
	42	250 36 60 90 51 63 40 102 43 36 4 16 50 65 60 107,00		FI-WS-42L-W3-SKM
	1.65	3625 1.42 2.36 3.54 2.01 2.48 1.57 4.02 1.69 1.42 .16 .63 1.97 2.56 2.36 235.40		
S	6	630 4 19 53 23 31 16 61 17 29 3 16 12 19 17 7,34		FI-WS-06S-W3-SKM
	.24	9135 .16 .75 2.09 .91 1.22 .63 2.40 .67 1.14 .12 .63 .47 .75 .67 16.15		
	8	630 5 22 54 24 32 17 62 18 29 3 16 14 22 19 10,16		FI-WS-08S-W3-SKM
	.31	9135 .20 .87 2.13 .94 1.26 .67 2.44 .71 1.14 .12 .63 .55 .87 .75 22.35		
	10	630 7 24 57 25 34 17,5 66 20 29,5 3 16 17 24 22 12,59		FI-WS-10S-W3-SKM
	.39	9135 .28 .94 2.24 .98 1.34 .69 2.60 .79 1.16 .12 .63 .67 .94 .87 27.71		
	12	630 8 27 59 29 38 21,5 68 21 30,5 3 16 17 27 24 16,05		FI-WS-12S-W3-SKM
	.47	9135 .31 1.06 2.32 1.14 1.50 .85 2.68 .83 1.20 .12 .63 .67 1.06 .94 35.30		
	14	630 10 27 63 30 40 22 73 23 32 3 16 19 30 27 19,62		FI-WS-14S-W3-SKM
	.55	9135 .39 1.06 2.48 1.18 1.57 .87 2.87 .91 1.26 .12 .63 .75 1.18 1.06 43.17		
	16	400 12 30 64 33 43 24,5 74 24 31,5 3 16 24 32 30 24,14		FI-WS-16S-W3-SKM
	.63	5800 .47 1.18 2.52 1.30 1.69 .96 2.91 .94 1.24 .12 .63 .94 1.26 1.18 53.10		
	20	400 16 36 74 37 48 26,5 85 30 33,5 4 16 27 41 36 38,01		FI-WS-20S-W3-SKM
	.79	5800 .63 1.42 2.91 1.46 1.89 1.04 3.35 1.18 1.32 .16 .63 1.06 1.61 1.42 83.63		
	25	400 20 42 81 42 54 30 93 34 35 4 16 36 46 46 61,10		FI-WS-25S-W3-SKM
	.98	5800 .79 1.65 3.19 1.65 2.13 1.18 3.66 1.34 1.38 .16 .63 1.42 1.81 1.81 134.42		
	30	400 25 50 90 49 62 35,5 103 39 37,5 4 16 41 50 50 91,00		FI-WS-30S-W3-SKM
	1.18	5800 .98 1.97 3.54 1.93 2.44 1.40 4.06 1.54 1.48 .16 .63 1.61 1.97 1.97 200.20		
	38	315 32 60 96 57 72 41 112 43 37 4 16 50 65 60 138,90		FI-WS-38S-W3-SKM
	1.50	4568 1.26 2.36 3.78 2.24 2.83 1.61 4.41 1.69 1.46 .16 .63 1.97 2.56 2.36 305.58		

¹ Approximate dimension in assembled condition.

² Weight excluding cutting rings and union nuts.

³ Standard scope of delivery: Fitting body only.

Ordering Codes

FI-WS-10*L*-W3*-MS

* Elbow Bulkhead Fitting	FI-WS
* Outside Tube Diameter D1 (in mm)	-10
* Series	Light Series L Heavy Series S
* Material Code	Steel, zinc/nickel-plated -W3
Please contact STAUFF for alternative materials and surface finishings.	
* Assembling / Kitting	Fitting body only —
	Fitting body supplied with hexagon lock nut -SKM
	Fitting body supplied with cutting rings and union nuts -MS
	Fitting body supplied with soft-sealing cutting rings and union nuts -MSV

Connecting Parts

	Cutting Ring Type FI-DS	Page 26
	Soft-Sealing Cutting Ring Type FI-WDDS	Page 27
	Support Sleeve Type FI-VH	Page 28
	STAUFF Form Ring Type FI-AR	Page 30
	Union Nut Type FI-M	Page 31
	37° Flared Tube Fitting Set Type FI-AB	Page 35

Spare Parts / Accessories

	Hexagon Lock Nut Type FI-SKM	Page 205
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