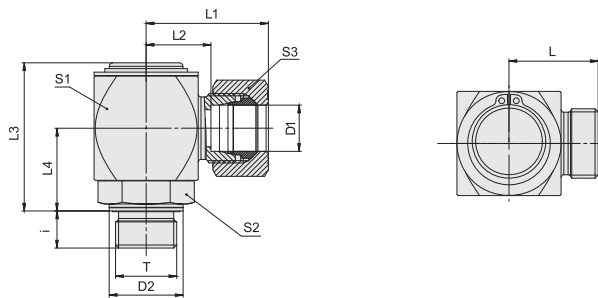


Swivel Elbow Type FI-DGWE-...-R-WD • Series L / S



Ordering Codes

FI-DGWE-10*L*R*-WD*-B*-W66*-MS

* Swivel Elbow		FI-DGWE
* Outside Tube Diameter D1 (in mm)		-10
* Series	Light Series Heavy Series	L S
* Thread Type	Whitworth Parallel Pipe Thread (BSPP)	R
If required, please indicate special sizes, e.g. R1/8!		
* Seal Type	Profile Sealing Ring	-WD
* Seal Material	NBR (Buna-N®) FKM (Viton®) EPDM	-B -V -E
* Material Code	Steel, zinc-plated and thick-film-passivated	-W66
Please contact STAUFF for alternative materials and surface finishings.		
* Assembling / Kitting	Fitting body only	—
	Fitting body supplied with cutting ring and union nut	-MS
	Fitting body supplied with soft-sealing cutting ring and union nut	-MSV

Connecting Parts

	Cutting Ring Type FI-DS	Page 28
	Soft-Sealing Cutting Ring Type FI-WDDS	Page 29
	Support Sleeve Type FI-VH	Page 31
	STAUFF Form Ring Type FI-AR	Page 32
	Union Nut Type FI-M	Page 33
	37° Flared Tube Fitting Set Type FI-AB	Page 37

Spare Parts / Accessories

	Profile Sealing Ring Type WDG	Page 238
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Whitworth Parallel Pipe Thread (BSPP)

Profile Sealing Ring

Series	Tube OD (mm/in)	PN (bar/psi)	Dimensions (mm/in)	Torque (Nm/lbf·ft)	Weight (kg/lbs) ca.	Ordering Codes ³
	D1		T D2 L L1 ¹ L2 L3 L4 i S1 S2 S3 Thread T per 100			
L	6	250	G 1/8 14 23 31 16 40 21 8 27 19 14 18 16,00			FI-DGWE-06LR-WD-B-W66
	.24	3625	.55 .91 1.22 .63 1.57 .83 .31 1.06 .75 .55 13.3 35.20			
	6	250	19 23 27 16 41 22 12 27 19 14 40 16,8			FI-DGWE-06LR1/4-WD-B-W66
	.24	3625	.75 .91 1.06 .63 1.61 .87 .47 1.06 .75 .55 29.6 36.96			
	8	250	19 25 33 18 46 25 12 30 22 17 40 23,00			FI-DGWE-08LR-WD-B-W66
	.31	3625	.75 .98 1.30 .71 1.81 .98 .47 1.18 .87 .67 29.6 50.60			
	10	250	19 26 34 19 46 25 12 30 22 19 40 23,40			FI-DGWE-10LR-WD-B-W66
	.39	3625	.75 1.02 1.34 .75 1.81 .98 .47 1.18 .87 .75 29.6 51.48			
	10	250	22 27 35 20 48 27 12 32 24 19 80 27,50			FI-DGWE-10LR3/8-WD-B-W66
	.39	3625	.87 1.06 1.38 .79 1.89 1.06 .47 1.26 .94 .75 59.2 60.50			
	12	250	22 27 35 20 48 27 12 32 24 22 80 28,00			FI-DGWE-12LR-WD-B-W66
	.47	3625	.87 1.06 1.38 .79 1.89 1.06 .47 1.26 .94 .87 59.2 61.60			
	12	250	27 29 37 22 55 30 14 36 27 22 110 38,80			FI-DGWE-12LR1/2-WD-B-W66
	.47	3625	1.06 1.14 1.46 .87 2.17 1.18 .55 1.42 1.06 .87 81.4 85.36			
	15	250	27 32 40 25 59 33 14 40 32 27 110 52,80			FI-DGWE-15LR-WD-B-W66
	.59	3625	1.06 1.26 1.57 .98 2.32 1.30 .55 1.57 1.26 1.06 81.4 116.16			
	18	160	27 32 41 24,5 59 33 14 40 32 32 110 52,60			FI-DGWE-18LR-WD-B-W66
	.71	2320	1.06 1.26 1.61 .96 2.32 1.30 .55 1.57 1.26 1.26 81.40 115.72			
	22	160	32 36 45 28,5 66 35 16 45 36 36 180 72,00			FI-DGWE-22LR-WD-B-W66
	.87	2320	1.26 1.42 1.77 1.12 2.60 1.38 .63 1.77 1.42 1.42 133.2 158.40			
	28	100	40 41 50 33,5 78 41 18 55 41 41 300 126,70			FI-DGWE-28LR-WD-B-W66
	1.10	1450	1.57 1.61 1.97 1.32 3.07 1.61 .71 2.17 1.61 1.61 222.0 278.74			
	35	100	50 48 59 37,5 92 51 20 65 50 50 470 208,00			FI-DGWE-35LR-WD-B-W66
	1.38	1450	1.97 1.89 2.32 1.48 3.62 2.01 .79 2.56 1.97 1.97 347.8 457.60			
	42	100	55 53 65 42 102 56 22 75 55 60 540 294,00			FI-DGWE-42LR-WD-B-W66
	1.65	1450	2.17 2.09 2.56 1.65 4.02 2.20 .87 2.95 2.17 2.36 399.6 646.80			
	6	400	19 25 33 18 41 22 12 27 19 17 50 17,40			FI-DGWE-06SR-WD-B-W66
	.24	5800	.75 .98 1.30 .71 1.61 .87 .47 1.06 .75 .67 37.0 38.28			
S	8	400	19 25 33 18 41 22 12 27 19 19 50 18,00			FI-DGWE-08SR-WD-B-W66
	.31	5800	.75 .98 1.30 .71 1.61 .87 .47 1.06 .75 .75 37.0 39.60			
	10	400	22 27 36 19,5 46 25 12 30 22 22 80 24,20			FI-DGWE-10SR-WD-B-W66
	.39	5800	.87 1.06 1.42 .77 1.81 .98 .47 1.18 .87 .87 59.2 53.24			
	12	400	22 28 37 20,5 48 27 12 32 24 24 80 28,80			FI-DGWE-12SR-WD-B-W66
	.47	5800	.87 1.10 1.46 .81 1.89 1.06 .47 1.26 .94 .94 59.2 63.36			
	14	400	27 32 42 24 55 30 14 36 27 30 120 38,00			FI-DGWE-14SR-WD-B-W66
	.55	5800	1.06 1.26 1.65 .94 2.17 1.18 .55 1.42 1.06 1.18 88.8 83.60			
	16	400	27 34 44 25,5 59 33 14 40 32 30 120 52,80			FI-DGWE-16SR-WD-B-W66
	.63	5800	1.06 1.34 1.73 1.00 2.32 1.30 .55 1.57 1.26 1.18 88.8 116.16			
	20	250	32 38 49 27,5 66 35 16 45 36 36 180 74,00			FI-DGWE-20SR-WD-B-W66
	.79	3625	1.26 1.50 1.93 1.08 2.60 1.38 .63 1.77 1.42 1.42 133.2 162.80			
	25	250	40 45 57 33 78 41 18 55 41 46 300 128,00			FI-DGWE-25SR-WD-B-W66
	.98	3625	1.57 1.77 2.24 1.30 3.07 1.61 .71 2.17 1.61 1.81 222.0 281.60			
	30	250	50 52 65 38,5 92 51 20 65 50 50 470 214,00			FI-DGWE-30SR-WD-B-W66
	1.18	3625	1.97 2.05 2.56 1.52 3.62 2.01 .79 2.56 1.97 1.97 347.8 470.80			
	38	250	55 59 74 43 102 56 22 75 55 60 560 298,00			FI-DGWE-38SR-WD-B-W66
	1.50	3625	2.17 2.32 2.91 1.69 4.02 2.20 .87 2.95 2.17 2.36 414.4 655.60			

¹ Approximate dimension in assembled condition.

² Weight excluding cutting ring and union nut.

³ Standard scope of delivery: Fitting body only.

Standard seal material is NBR (Buna-N®).

Male stud acc. to ISO 1179-2 (Type E)

Port acc. to ISO 1179-1

Torque recommendations for Steel mating material.

Maximum Number of Revolutions per Minute for Permanent Operation

Dimension S1	(mm)	27	30	32	36	40	45	55	65	75
	(in)	1.06	1.18	1.26	1.42	1.57	1.77	2.17	2.56	2.95
Revolutions Per Minute		6	3	3	1	0,6	0,5	0,4	0,2	0,2

Higher number of revolutions per minute possible when used temporarily / non-permanently.
Recommendations for use with hydraulic oil at a static working pressure not exceeding 200 bar / 2900 PSI.

Male threaded studs were designed for female threaded ports in components made of steel. For applications with components made of softer mating materials (e.g. Aluminium), the use of connectors with additionally rolled male threads is recommended. Please contact STAUFF prior to the assembly for further information.

