



AVK FABRICATED STEPPED COUPLING, PN16

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The series 259 is a fabricated stepped coupling, for all ferrous, GRP* and PVC pipes, suitable for use with water, waste water and neutral liquids, to a maximum temperature of +70°C.

*Suitable only for cc-GRP (centrifugally cast glass reinforced polyester) and turned end pipes

Standards Coating:

- WIS-4-52-01

Test/Approvals:

- 1.5 x PN
- WRAS Approved Product

Service Conditions:

- Maximum Working Pressure: 16 Bar, -0.8 Bar negative pressure
- Temperature Range: -10°C to +70°C
- Insulation essential for temperatures of 0°C and below

Features:

- Corrosion resistant construction
- EPDM seals
- Short lead times
- Sheraplex® coated fasteners
- Can be fabricated in any size within design range of DN350 to DN1600+
- Fusion bonded epoxy coating
- Sealing range nominal diameter +2mm to -5mm
- Can be used for upto -0.8 Bar negative pressure

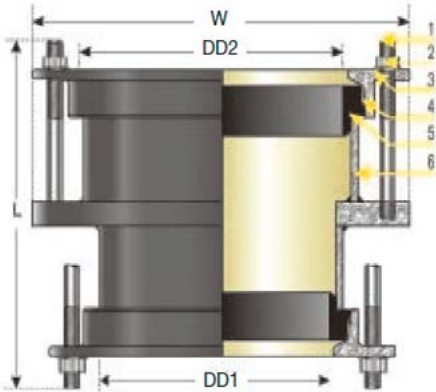
Options:

- A2, A4 Stainless Steel fasteners
- Special sizes manufactured to order
- Sizes DN1200+ manufactured to order dependant upon application
- 25 Bar on certain sizes

Note: This fitting is not designed for end load resistant applications



Expect... **AVK**



Materials of Construction

1. Studs	Grade 8.8, Sheraplex® Coated
2. Nuts	Hexagon, Grade 8 Sheraplex Coated
3. Washers	Zinc Plated and Passivated
4. Gland Ring	Mild Steel, Grade FE 430 B. BS EN 10025: 1990
5. Rubber Seals	EPDM to BS EN 681-1
6. Body	Mild Steel, Grade FE 430 B. BS EN 10025: 1990
Coating	Fusion Bonded Epoxy Coating WIS 4-52-01 or wet sprayed dependent upon size. WRAS approved
Domed Cap	Plastic

Components can be substituted with equivalent or higher class materials.

Dimensions & Weights

AVK ref. nos.	Pipe A Pipe B Nom. Nom.	Sealing Dia DD2 DD1	W mm	L mm	Bolt No.	Weight kg
259-3-X-0378-0356	350DI-14"ST	378.0-355.6	470	326	8	36
259-3-X-0387-0356	14"AB-14"ST	387.0-355.6	502	326	8	43
259-3-X-0387-0378	14"AB-350 DI	387.0-378.0	502	326	8	42
259-3-X-0379-0356	14"CD-14"ST	399.0-355.6	514	326	8	45
259-3-X-0399-0378	14"CD-350 DI	399.0-378.0	514	326	8	43
259-3-X-0429-0406	400DI - 16"ST	429.0-406.4	521	326	8	42
259-3-X-0439-0406	16" AB - 16"ST	439.0-406.4	554	326	8	49
259-3-X-0439-0429	16"AB - 400DI	439.0-429.0	554	326	8	47
259-3-X-0453-0406	16"CD - 16ST	453.0-406.4	568	326	8	51
259-3-X-0453-0429	16"CD - 400DI	453.0-429.0	568	326	8	50
259-3-X-0480-0457	450DI - 18"ST	480.0-457.2	572	326	8	46
259-3-X-0492-0457	18"AB - 18"ST	492.0-457.2	607	326	10	52
259-3-X-0472-0480	18"AB-450DI	492.0-480.0	607	326	10	52
259-3-X-0507-0457	18"CD-18"ST	507.0-457.2	622	326	10	51
259-3-X-0507-0480	18"CD-450DI	507.0-480.0	622	326	10	55
259-3-X-0532-0508	500DI-20"ST	532.0-508.0	650	326	10	58
259-3-X-0545-0508	20"AB-20"ST	545.0-508.0	660	326	10	61
259-3-X-0545-0532	20"AB-500DI	545.0-532.0	660	326	10	68
259-3-X-0560-0508	20"CD-20"ST	560.0-508.0	675	326	10	63
259-3-X-0560-0532	20"CD-500DI	560.0-532.0	675	326	10	61
259-3-X-0635-0610	600DI-24"ST	635.0-609.6	725	326	10	60
259-3-X-0650-0610	24"AB-24"ST	650.0-609.6	765	326	10	77
259-3-X-0650-0635	24"AB-600DI	650.0-635.0	765	326	12	68
259-3-X-0667-0610	24"CD-24"ST	667.0-609.6	941	326	12	68
259-3-X-0667-0635	24"CD-600DI	667.0-635.0	782	326	12	72
259-3-X-0729-0711	27"AB-28"ST	729.0-711.2	844	326	12	77
259-3-X-0738-0711	700DI-28"ST	738.0-711.2	826	326	12	69
259-3-X-0738-0729	700DI-27"AB	738.0-729.0	844	326	12	73
259-3-X-0747-0711	27"CD-28"ST	747.0-711.2	862	326	12	81
259-3-X-0747-0738	27"CD-700DI	747.0-738.0	862	326	12	77
259-3-X-0813-0807	32"ST-30"AB	812.8-807.0	922	326	12	81
259-3-X-0826-0813	30"CD-32"ST	826.0-812.8	941	326	12	85
259-3-X-0842-0807	800DI-30"AB	842.0-807.0	922	326	12	75
259-3-X-0842-0813	800DI-32"ST	842.0-812.8	928	326	12	77
259-3-X-0842-0826	800DI-30"CD	842.0-826.0	941	326	12	80
259-3-X-0945-0914	900DI-36"ST	945.0-914.4	1029	326	14	85
259-3-X-0964-0914	36"AB-36"ST	964.0-914.4	1079	326	14	100
259-3-X-0964-0945	36"AB-900DI	964.0-945.0	1079	326	14	100
259-3-X-0985-0914	36"CD-36"ST	985.0-914.4	1100	326	14	112
259-3-X-0985-0945	36"CD-900DI	985.0-945.0	1100	326	14	106
259-3-X-1048-1016	1000DI - 40"ST	1048.0-1016.0	1131	356	14	94
259-3-X-1121-1016	42"AB-40"ST	1121.0-1016.0	1236	356	14	135
259-3-X-1121-1048	42"AB-1000DI	1121.0-1048.0	1236	356	14	128
259-3-X-1143-1016	42"CD-40"ST	1143.0-1016.0	1258	356	14	143
259-3-X-1143-1048	42"CD-1000DI	1143.0-1048.0	1258	356	14	136
259-3-X-1255-1220	1200DI-48"ST	1255.0-1220.0	1334	356	16	110
259-3-X-1277-1220	48"AB-48"ST	1277.0-1222.0	1392	356	16	142
259-3-X-1277-1255	48"AB-1200DI	1277.0-1255.0	1392	356	16	134
259-3-X-1300-1220	48"CD-48"ST	1300.0-1220.0	1416	356	16	151
259-3-X-1300-1255	48"CD-1200DI	1300.0-1255.0	1416	356	16	141

When Ordering; X=0 for Water PN16 - zinc plated and passivated studs. 4 Water PN16, stainless steel bolts 6 Water PN16, Sheraplex bolts. AB + CD =

Cast Iron DI= Ductile Iron ST= Steel GRP = Glass reinforced polyester. Additional sizes and step ranges available on request. Sizes 1600+ available on application.

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AVK ref. nos.	DN mm	Flange drilling	L mm	H mm	H3 mm	H1 to center bore mm	F mm	F1 mm	F2 mm	Theoretic weight kg
06-400-70-00337	400	PN10	310	960	1241	-	32	37	55	240
06-400-70-01337 (1)	400	PN16	310	960	1241	-	32	37	55	240
06-450-70-00337 (2)	450	PN10	330	1167	1487	1087	30	-	75	487
06-450-70-01337 (2)	450	PN16	330	1167	1487	1087	30	-	75	487
06-500-70-00337 (2)	500	PN10	350	1142	1500	1062	30	-	75	559
06-500-70-01337 (2)	500	PN16	350	1142	1500	1062	30	-	75	559
06-600-70-00337 (3)	600	PN10	390	1285	1705	1205	30	-	75	762
06-600-70-01337 (3)	600	PN16	390	1285	1705	1205	30	-	75	762

(1) Approved acc. to NF

(2) With F14 top flange. Body with blue epoxy coating RAL 5017

(3) With F14 top flange. Not CE approved