

FLEXI SHEAR BAND COUPLING

Flexi Shear Band Couplings are designed to join and repair low pressure water and waste water pipelines.

Each coupling can join a range of pipe materials and sizes, and when the pipe outside diameters differ by more than 12mm, a Flexi Bush can be added to ensure a positive joint.

Standard: AS/NZS 4327 Type B

Size Range: DN 50-600

Pressure Range: PN 2.5

Materials: EPDM Rubber AS681.1 Type B
Stainless Steel Gr316 AS/NZS 4327

Max Temperature: 80 deg c

Shear Band: The stainless steel shear band strengthens the joint and maintains proper pipe alignment.

The shear band provides resistance to external loads, resulting from ground movement or above ground installations, which can cause pipe misalignment or joint failure.



FLEXI SHEAR BAND COUPLING

DN	Range	Length	Suit	Code
100	100 - 115	120	100 PVC,C1,S1	AF-SC115
100	110 - 125	120	100 PVC,AC,S1,S2	AF-SC125
100	125 - 150	136	100 EW	AF-SC150
150	150 - 175	136	150 PVC,C1,S1	AF-SC175
150	160 - 180	136	150 PVC,C1,S1,S2	AF-SC180
150	165 - 185	136	150 AC,S2	AF-SC185
150	175 - 200	150	150 EW,RC	AF-SC200
200	200 - 225	150	200 C1,S1	AF-SC225
200/225	225 - 250	150	200 AC,S2 225 PVC,C1,S1	AF-SC250
225/250	250 - 275	150	225 PVC,AC,S2 250 C1	AF-SC275
225/250	265 - 290	150	225 EW,RC 250 AC,S1,S2	AF-SC290
300	295 - 320	190	300 PVC,S1	AF-SC320
300	315 - 345	190	300 AC,C1,S2	AF-SC345
300	355 - 385	190	300 EW,RC	AF-SC385
375	385 - 410	190	375 PVC,S1	AF-SC410
375	400 - 425	190	375 AC	AF-SC425
375	420 - 445	190	375 RC,S2	AF-SC445
375	435 - 465	190	375 EW,RC	AF-SC465
400/450	480 - 510	190	400 EW 450 AC,S1,S2	AF-SC510
450	500 - 525	190	450 S1,S2	AF-SC525
450/500	530 - 560	190	450 EW,RC 500 S1,S2	AF-SC560
525	570 - 600	190	525 AC	AF-SC600
525	590 - 620	190	525 RC	AF-SC620

Pipe Materials Legend:

- PVC PVC DWV pipe AS1260 and PVC Stormwater pipe AS1254
- EW VC earthenware pipe AS1741
- AC AC non-pressure pipe AS1712, FRC pipe
- CI CI SWV pipe AS1631, EN877
- RC Concrete pipe AS4058
- S1 PVC Series 1 compatible diameters
- S2 PVC Series 2 compatible diameters

FLEXI BUSHES

Flexi Bushes are designed for use with Flexi Shear Band couplings when joining pipes of different diameters.

To ensure an effective coupling joint, a bush is required when joining pipes that differ in diameter by more than 12mm.

Choose the most appropriate bush size that will increase the diameter of the smaller pipe to within 5mm of the larger pipe end.

Bushes are available in a standard range as listed below, however they can also be fabricated to suit any diameter. These are available in 8mm, 16mm or 32mm thickness.



FLEXI BUSHES					
DN	ID-Range	OD	Suits	Compatible Couplings	Code
100	105-115	130	100 PVC,S1	SC150	AF-BC08115
100	105-115	145	100 PVC,S1	SC150	AF-BC15115
100	115-125	143	100 AC,S2	SC150	AF-BC08125
100	115-125	149	100 AC,S2	SC150	AF-BC12125
100	135-145	170	100 EW	SC175, SC180	AF-BC13145
150	150-160	168	150 PVC,S1	SC185	AF-BC04160
150	150-160	176	150 PVC,S1	SC185, SC200	AF-BC08160
150	154-164	196	150 PVC,S1	SC200	AF-BC16164
150	155-166	182	150 PVC,S1	SC185, SC200	AF-BC08166
150	158-168	220	150 PVC,S1	SC225	AF-BC26168
150	160-170	185	150 PVC,S1	SC185, SC200	AF-BC08170
150	168-178	190	150 AC,S2	SC200	AF-BC06178
150	170-180	196	150 AC,S2	SC200	AF-BC08180
150	190-200	215	150 EW,RC	SC225	AF-BC08200
225	240-250	282	225 PVC,S1	SC290	AF-BC16250
225	240-250	268	225 PVC,S1	SC275, SC290	AF-BC08250
225	255-265	280	225 AC,S2	SC290	AF-BC08265

COUPLING + BUSH ADAPTORS - Common examples							
Pipe 1		Pipe 2		Flexi Shear Band Coupling		Flexi Bush	
DN	OD	DN	OD	Code	Range	Code	Thickness
100 EW	138 mm	100 PVC	110 mm	AF-SC150	125 - 150	AF-BC15115	15 mm
150 EW	194 mm	150 PVC	160 mm	AF-SC200	175 - 200	AF-BC16164	16 mm
225 EW	280 mm	225 PVC	250 mm	AF-SC290	265 - 290	AF-BC16250	16 mm
100 AC	122 mm	100 PVC	110 mm	AF-SC125	110 - 125	AF-BC08115	8 mm
150 AC	177 mm	150 PVC	160 mm	AF-SC180	160 - 180	AF-BC08160	8 mm

FLEXI PIPE COUPLING

Standard: AS/NZS 4327 Type B
 Size Range: DN 50-300
 Pressure Range: PN 2.5
 Materials: EPDM Rubber AS681.1 Type B
 Stainless Steel Gr316 AS/NZS 4327
 Max Temperature: 80 deg c
 Application: Low Pressure Pipelines to PN2.5
 Water & Waste Water Applications



FLEXI PIPE COUPLING PVC				
DN	Type	Range	Suits	Code
80	PVC	76 - 84	PVC, Cl, Cu, Gal	AF08P
90	PVC	81 - 91	PVC, Cl, Cu, Gal	AF09P
100	PVC	101 - 112	PVC, Cl, Cu, Gal	AF10P
150	PVC	150 - 162	PVC, Cl, Cu, Gal	AF15P
225	PVC	241 - 256	PVC, Cl, Cu, Gal	AF22P



FLEXI PIPE COUPLING EW - PVC				
DN	Type	Range EW end	Range PVC end	Code
100	EW - PVC	132 - 144	101 - 112	AF10EP
150	EW - PVC	185 - 200	150 - 162	AF15EP
225	EW - PVC	267 - 282	241 - 256	AF22EP



FLEXI PIPE COUPLING AC - PVC				
DN	Type	Range AC end	Range PVC end	Code
100	AC - PVC	110 -125	101 - 112	AF10AP
150	AC - PVC	170 -190	150 - 162	AF15AP

Other sizes and configurations are available. Contact CIVILPIPES for details.

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