

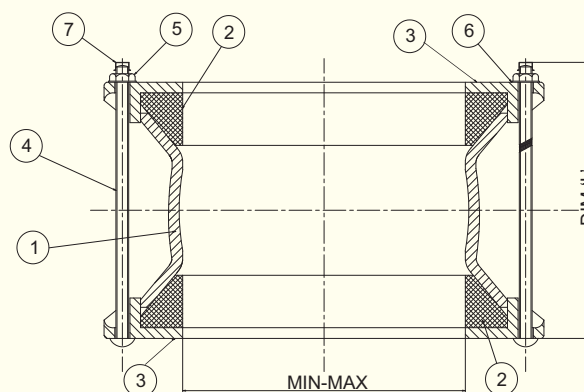
COUPLING

SIGMAFLOW pipe couplings are designed to accommodate plain ended pipes with different outside diameters. One Coupling is able to connect a wide variety of pipe materials including Ductile Iron, Steel, Cast Iron, PVC, GRP and Asbestos cement amongst others. All products are designed to have a test pressure of PN16 for water.



MATERIALS OF CONSTRUCTION

- | | |
|---------------------|------------------------|
| 1. Body Sleeve | : Ductile Iron / Steel |
| 2. Gasket | : EPDM |
| 3. End Ring Casting | : Ductile Iron |
| 4. Adjusting Bolt | : Carbon Steel |
| 5. Hexagon Nut | : Carbon Steel |
| 6. Washer | : Carbon Steel |
| 7. Thread Cap | : Nylon Moulding |



DIMENSIONS (All dimensions are in mm)

Size	Range	Bolt		Size	Range	Bolt		Size	Range	Bolt	
ØNB	MIN-MAX	L	Q'TY	ØNB	MIN-MAX	L	Q'TY	ØNB	MIN-MAX	L	Q'TY
40	48-60	M12 X 170	2	250	250-267	M12 X 220	6	400	436-463	M14 X 270	10
50	59-72	M12 X 170	2	250	272-289	M12 X 220	6	450	454-463	M14 X 270	10
65	72-85	M12 X 170	2	300	315-332	M12 X 220	6	450	476-500	M14 X 270	10
80	88-103	M12 X 180	4	300	322-339	M12 X 220	6	500	500-508	M14 X 270	10
100	109-128	M12 X 180	4	300	340-360	M12 X 220	6	500	526-546	M14 X 270	10
125	132-146	M12 X 180	4	350	351-378	M14 X 230	8	500	560-570	M14 X 270	10
125	138-153	M12 X 180	4	350	374-391	M14 X 230	8	500	580-590	M14 X 270	10
150	159-182	M12 X 180	4	400	390-410	M14 X 250	8	600	608-636	M14 X 270	10
175	192-210	M12 X 190	4	400	410-436	M14 X 250	8	600	630-650	M14 X 270	10
200	218-235	M12 X 210	4	400	417-437	M14 X 250	8				
225	242-262	M12 X 220	6	400	425-442	M14 X 250	8				

INSTALLATION INSTRUCTION

Step 1: Verify the coupling parts to ensure that no damage has occurred during transit and that no parts are misplaced.

Step 2: Cleaned pipe ends for a distance of 2" greater than length of the coupling when centred over the joint.

Step 3: Check area where gaskets will sit to make sure there are no cavity, projections, gouges, etc. that will interfere with the gasket seal. Welds must be ground flush.

Step 4: Lay a reference mark on the pipe an equal distance from each pipe end for centering coupling over the pipe ends. There should be a minimum of 2" inches of pipe insertion per coupling end.

Step 5: Set one end ring on each pipe end.

Step 6: Lubricate the gaskets and pipe surface with a suitable gasket lubricant.

Step 7: Set one gasket next to each end ring with beveled edge toward the pipe end.

Step 8: Slide centre ring onto one of the pipes.

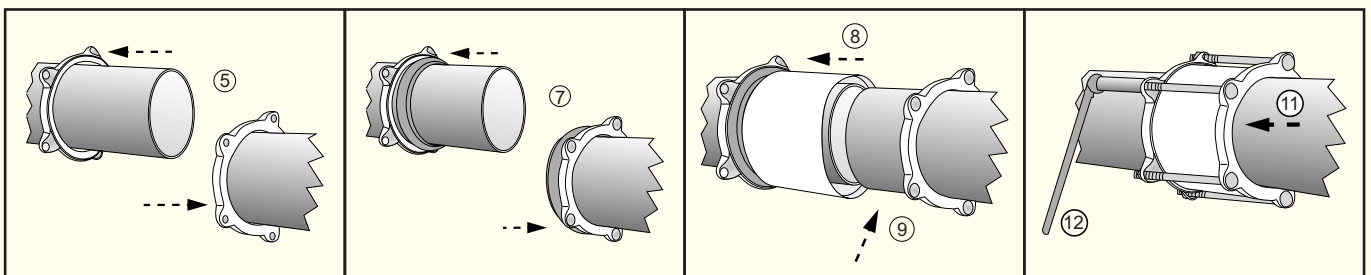
Step 9: Bring the other pipe into position. Maintain recommended gap between pipe ends ($\frac{1}{4}$ - $\frac{1}{2}$ " for five inch long centre ring).

Step 10: The centre ring should be centred such that the space between the OD of the pipe and the ID of the centre ring is even all around the pipe. Slide beveled edge gaskets into position of the centre ring.

Step 11: Slide the end rings into position against the gaskets. Check coupling for proper positioning over pipe ends using reference marks. (See Step 4)

Step 12: Insert bolts into end rings and tighten. Bolt tightening should be done evenly, alternating to diametrically opposite positions.

Step 13: After pipe is under pressure, check for leakage and tighten as necessary.



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