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INDEX NO.

PIPE COUPLING RRS-FL



APPLICATION

Intended for mechanical connection of plain ends of pipes in waterworks, wastewater and other systems for liquids chemically neutral. Used for iron, steel, plastic, GRP and AC pipes.

DESIGN FEATURES

- diameter range 270-2000 mm
- coupling tolerance is ± 7 mm in relation to the outer pipe diameter
- pipe angular deflection up to $\pm 3^\circ$
- corrosion protection:
 - epoxy coating
 - optional: hot-dip galvanized
- EPDM gasket for potable water or NBR gasket for wastewater
- threaded galvanized pins, optional: hot-dip galvanized, stainless steel, acidresistant steel
- eyebolt
- possibility to design and produce a coupling according to individual customer needs: nonstandard height, made of different materials, e.g. stainless steel
- reinforced construction for heavier working conditions and increased product life

TECHNICAL DATA / STANDARDS

- material acc. PN-EN 10020
- seal:
 - NBR: PN-EN 681-1
 - EPDM: WRAS, BS 6920-2, ACS
- nominal pressure:
 - PN10: DN250-2000
 - PN16: DN250-1200
- temperature range:
 - EPDM: -10°C / $+60^\circ\text{C}$
 - NBR: -20°C / $+80^\circ\text{C}$

No.	Name	Material	Standard
1	Fixed flange	S235JR / 0H18N9 / 0H17N12M2	PN-EN 10020
2	Clamping flange	S235JR / 0H18N9 / 0H17N12M2	PN-EN 10020
3	Body	S235JR / 0H18N9 / 0H17N12M2	PN-EN 10020
4	Eyebolt	S235JR / Zn5 / A2	PN-EN 10020
5	Gasket	EPDM / NBR	PN-EN 681
6	Screw assembly	S235JR / Zn5 / A2 / A4	PN-EN 10020

DN	Pipe material	Outer pipe diameter	Diameter range	Length	Width	≈ Weight [kg]
		Ø [mm]	D min-max [mm]	L [mm]	B [mm]	
250	Steel	273	266-280	320	403	22
	Ductile iron	274	267-281		404	22
	PE	280	273-287		410	27
300	Steel	324	317-331		454	23
	Ductile iron	326	319-333		456	23
	PE	315	308-322		445	27
350	Steel	355	348-362		485	28
	Ductile iron	378	371-385		508	30
	PE	355	348-362		485	28
400	Steel	406	399-413		536	31
	Ductile iron	429	422-436		559	33
	PE	400	393-407		530	31
450	Ductile iron	480	473-487	610	36	
	PE	450	443-457	580	32	
500	Steel	508	501-515	638	39	
	Ductile iron	532	525-539	662	41	
	PE	500	493-507	630	36	
600	Steel	610	603-617	750	46	
	Ductile iron	635	628-642	775	48	
	PE	630	623-637	770	47	
700	Steel	711	704-718	851	55	
	Ductile iron	738	731-745	878	57	
	PE	710	703-717	850	55	
800	Steel	813	806-820	953	68	
	Ductile iron	842	835-849	982	70	
	PE	800	793-807	940	65	
900	Steel	914	907-921	1055	83	
	Ductile iron	945	938-952	1085	85	
	PE	900	893-907	1040	79	
1000	Steel	1 016	1009-1023	1156	97	
	Ductile iron	1 048	1041-1055	1188	99	
	PE	1 000	993-1007	1140	96	
1200	Steel	1 220	1213-1227	1360	115	
	Ductile iron	1 255	1248-1262	1395	117	
	PE	1 200	1193-1207	1340	112	

Note: Couplings above DN1200 are available per customer request.

