

322

INDEX NO.

RESTRAINED PIPE COUPLING RRS-E



APPLICATION

Intended for mechanical connection of plain ends of pipes in waterworks, wastewater and other systems for liquids chemically neutral. Equipped with rims protecting against sliding pipes out of a coupling. Used for iron, steel, plastic, GRP and AC pipes.

DESIGN FEATURES

- diameter range 270-1200 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
- prevents pipes from sliding out of a coupling
- the design of protection depends on the pipe material and pressure

TECHNICAL DATA / STANDARDS

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

No.	Name	Material	Standard
1	E-rim	S355JR / 0H18N9 / 0H17N12M2	PN-EN 10020
2	Gripper set	S235JR / GJS	PN-EN 10020
3	Clamping rim	S355JR / 0H18N9 / 0H17N12M2	PN-EN 10020
4	Screw assembly	S235JR / Zn5 / A2 / A4	PN-EN 10020
5	Gasket	EPDM / NBR	PN-EN 681
6	Body	S235JR / 0H18N9 / 0H17N12M2	PN-EN 10020
7	Washer	S235JR / Zn5 / A2 / A4	PN-EN ISO 7089
8	Eyebolt	S235JR / Zn5 / A2	PE-EN 10020

DN	Pipe material	Outer pipe diameter	Diameter range	Length	Width	≈ Weight
		Ø [mm]	D min-max [mm]	L [mm]	B [mm]	
250	Steel	273	266-280	320-570	408	25
	Ductile iron	274	267-281		409	25
	PE	280	273-287		415	25
300	Steel	324	317-331		459	27
	Ductile iron	326	319-333		461	27
	PE	315	308-322		450	26
350	Steel	355	348-362		490	28
	Ductile iron	378	371-385		513	30
	PE	355	348-362		490	28
400	Steel	406	399-413		540	31
	Ductile iron	429	422-436		565	33
	PE	400	393-407		535	31
450	Ductile iron	480	473-487		615	36
	PE	450	443-457		585	36
500	Steel	508	501-515		645	39
	Ductile iron	532	525-539	670	41	
	PE	500	493-507	635	38	
600	Steel	610	603-617	745	46	
	Ductile iron	635	628-642	770	48	
700	PE	630	623-637	765	47	
	Steel	711	704-718	850	55	
	Ductile iron	738	731-745	875	57	
800	PE	710	703-717	845	55	
	Steel	813	806-820	950	68	
	Ductile iron	842	835-849	980	70	
900	PE	800	793-807	935	65	
	Steel	914	907-921	1050	83	
	Ductile iron	945	938-952	1080	85	
1000	PE	900	893-907	1035	79	
	Steel	1 016	1009-1023	1155	97	
	Ductile iron	1 048	1041-1055	1185	99	
1200	PE	1 000	993-1007	1135	96	
	Steel	1 220	1213-1227	1355	115	
	Ductile iron	1 255	1248-1262	1390	117	
	PE	1 200	1193-1207	1335	113	

Note: Couplings above DN1200 are available per customer request.

