

# 321

INDEX NO.

## PIPE COUPLING RRS



### 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  $\pm 7$  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

### 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:  $-10^\circ\text{C}$  /  $+60^\circ\text{C}$
  - NBR:  $-20^\circ\text{C}$  /  $+80^\circ\text{C}$

No.	Name	Material	Standard
1	Body	S235JR / 0H18N9 / 0H17N12M2	PN-EN 10020
2	Nut	S235JR / Zn5 / A2 / A4	PN-EN ISO 4032
3	Threaded pin	S235JR / Zn5 / A2 / A4	DIN 975
4	Clamping rim	S355JR / 0H18N9 / 0H17N12M2	PN-EN 10020
5	Gasket	EPDM / NBR	PN-EN 681
6	Washer	S235JR / Zn5 / A2 / A4	PN-EN ISO 7089
7	Eyebolt	S235JR / Zn5 / A2	PE-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	220	408	24
	Ductile iron	274	267-281		409	24
	PE	280	273-287		415	24
300	Steel	324	317-331		459	25
	Ductile iron	326	319-333		461	25
	PE	315	308-322		450	25
350	Steel	355	348-362		490	25
	Ductile iron	378	371-385		513	27
	PE	355	348-362		490	25
400	Steel	406	399-413		540	28
	Ductile iron	429	422-436		565	30
	PE	400	393-407		535	28
450	Ductile iron	480	473-487	615	33	
	PE	450	443-457	585	29	
500	Steel	508	501-515	645	36	
	Ductile iron	532	525-539	670	38	
	PE	500	493-507	635	35	
600	Steel	610	603-617	745	43	
	Ductile iron	635	628-642	770	45	
	PE	630	623-637	765	45	
700	Steel	711	704-718	850	52	
	Ductile iron	738	731-745	875	54	
	PE	710	703-717	845	52	
800	Steel	813	806-820	950	65	
	Ductile iron	842	835-849	980	67	
	PE	800	793-807	935	64	
900	Steel	914	907-921	1050	80	
	Ductile iron	945	938-952	1080	82	
	PE	900	893-907	1035	78	
1000	Steel	1 016	1009-1023	1155	94	
	Ductile iron	1 048	1041-1055	1185	96	
	PE	1 000	993-1007	1135	92	
1200	Steel	1 220	1213-1227	1355	112	
	Ductile iron	1 255	1248-1262	1390	114	
	PE	1 200	1193-1207	1335	111	

**Note:** Couplings above DN1200 are available per customer request.

