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RESTRAINED FLANGE ADAPTOR RKS-FL-E

APPLICATION

Intended for mechanical connection of plain end of pipe with flanged fittings in waterworks, wastewater and other systems for liquids chemically neutral. Equipped with rim protecting against sliding a pipe out of an adaptor. Used for iron, steel, plastic, GRP and AC pipes.

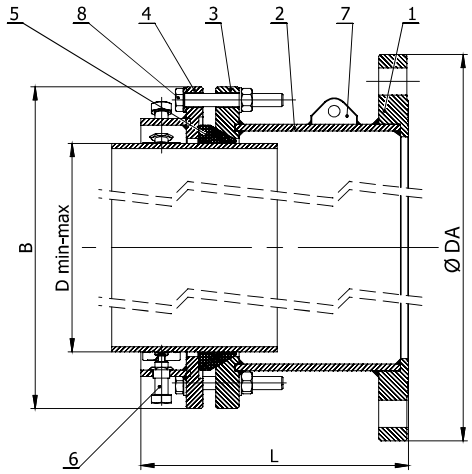
DESIGN FEATURES

- diameter range DN250-1200
- adaptor tolerance is ± 7 mm in relation to the outer pipe diameter
- pipe angular deflection up to ± 3°
- 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 an adaptor according to individual customer needs: nonstandard height, made of different materials, e.g. stainless steel
- prevents a pipe from sliding out of an adaptor
- the design of protection depends on the pipe material and pressure
- 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
- flange drilled acc. PN-EN 1092
- nominal pressure:
  - PN10: DN250-1200
  - PN16: DN250-1200
- temperature range:
  - EPDM: -10°C / +60°C
  - NBR: -20°C / +80°C

No.	Name	Material	Standard
1	Connection flange	S235JR / 0H18N9 / 0H17N12M2	PN-EN 1092
2	Body	S235JR / 0H18N9 / 0H17N12M2	PN-EN 10020
3	Fixed flange	S235JR / 0H18N9 / 0H17N12M2	PN-EN 10020
4	Clamping flange	S235JR / 0H18N9 / 0H17N12M2	PN-EN 10020
5	Gasket	EPDM / NBR	PN-EN 681
6	Gripper set	S235JR / GJS	PN-EN 10020
7	Eyebolt	S235JR / Zn5 / A2	PE-EN 10020
8	Screw assembly	S235JR / Zn5 / A2 / A4	PN-EN 10020



DN	Pipe material	Outer pipe diameter	Diameter range	Length	Width	Flange C [mm]		≈ Weight
		Ø [mm]	D min-max [mm]	L [mm]	B [mm]	PN10	PN16	[kg]
250	Steel	273	266-280	325-425	403	395	405	87
	Ductile iron	274	267-281		404			87
	PE	280	273-287		410			87
300	Steel	324	317-331		454	445	460	89
	Ductile iron	326	319-333		456			89
	PE	315	308-322		445			89
350	Steel	355	348-362		485	505	520	89
	Ductile iron	378	371-385		508			90
	PE	355	348-362		485			89
400	Steel	406	399-413		536	565	580	94
	Ductile iron	429	422-436		559			98
	PE	400	393-407		530			94
450	Ductile iron	480	473-487		610	615	640	110
	PE	450	443-457		580			105
500	Steel	508	501-515		638	670	715	115
	Ductile iron	532	525-539		662			120
	PE	500	493-507		630			115
600	Steel	610	603-617		750	780	840	150
	Ductile iron	635	628-642		775			160
	PE	630	623-637		770			150
700	Steel	711	704-718		851	895	910	187
	Ductile iron	738	731-745		878			195
	PE	710	703-717		850			187
800	Steel	813	806-820		953	1015	1025	240
	Ductile iron	842	835-849		982			260
	PE	800	793-807		940			240
900	Steel	914	907-921		1055	1115	1125	263
	Ductile iron	945	938-952		1085			275
	PE	900	893-907		1040			263
1000	Steel	1 016	1009-1023		1156	1230	1255	365
	Ductile iron	1 048	1041-1055		1188			380
	PE	1 000	993-1007		1140			365
1200	Steel	1 220	1213-1227	425-525	1360	1330	1485	495
	Ductile iron	1 255	1248-1262		1395			510
	PE	1 200	1193-1207		1340			490

Note: Couplings above DN1200 are available per customer request.