INDEX NO. 352

# RESTRAINED FLANGE ADAPTOR RKS-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.

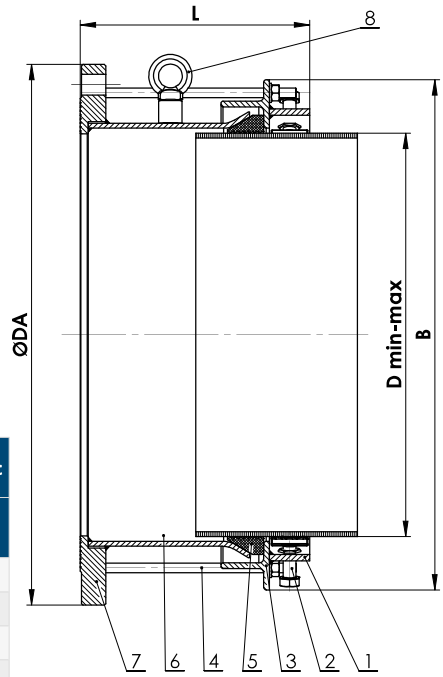
## DESIGN FEATURES

- 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 pipe material and pressure

## 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 | 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 | Connection flange | S235JR / 0H18N9 / 0H17N12M2 | PN-EN 1092 |
| 8 | Eyebolt | S235JR / Zn5 / A2 | PE-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 | 285-435 | 408 | 395 | 405 | 35 |
| | Ductile iron | 274 | 267-281 | | 409 | | | 35 |
| | PE | 280 | 273-287 | | 415 | | | 35 |
| 300 | Steel | 324 | 317-331 | | 459 | 445 | 460 | 36 |
| | Ductile iron | 326 | 319-333 | | 461 | | | 36 |
| | PE | 315 | 308-322 | | 450 | | | 35 |
| 350 | Steel | 355 | 348-362 | | 490 | 505 | 520 | 32 |
| | Ductile iron | 378 | 371-385 | | 513 | | | 30 |
| | PE | 355 | 348-362 | | 490 | | | 37 |
| 400 | Steel | 406 | 399-413 | | 540 | 565 | 580 | 37 |
| | Ductile iron | 429 | 422-436 | | 565 | | | 35 |
| | PE | 400 | 393-407 | | 535 | | | 39 |
| 450 | Ductile iron | 480 | 473-487 | | 615 | 615 | 640 | 42 |
| | PE | 450 | 443-457 | | 585 | | | 50 |
| 500 | Steel | 508 | 501-515 | | 645 | 670 | 715 | 48 |
| | Ductile iron | 532 | 525-539 | | 670 | | | 47 |
| | PE | 500 | 493-507 | | 635 | | | 47 |
| 600 | Steel | 610 | 603-617 | | 745 | 780 | 840 | 78 |
| | Ductile iron | 635 | 628-642 | | 770 | | | 83 |
| | PE | 630 | 623-637 | | 765 | | | 83 |
| 700 | Steel | 711 | 704-718 | | 850 | 895 | 910 | 100 |
| | Ductile iron | 738 | 731-745 | | 875 | | | 106 |
| | PE | 710 | 703-717 | | 845 | | | 99 |
| 800 | Steel | 813 | 806-820 | | 950 | 1015 | 1025 | 135 |
| | Ductile iron | 842 | 835-849 | | 980 | | | 143 |
| | PE | 800 | 793-807 | | 935 | | | 117 |
| 900 | Steel | 914 | 907-921 | | 1050 | 1115 | 1125 | 137 |
| | Ductile iron | 945 | 938-952 | | 1080 | | | 169 |
| | PE | 900 | 893-907 | | 1035 | | | 163 |
| 1000 | Steel | 1 016 | 1009-1023 | | 1155 | 1230 | 1255 | 176 |
| | Ductile iron | 1 048 | 1041-1055 | | 1185 | | | 230 |
| | PE | 1 000 | 993-1007 | | 1135 | | | 174 |
| 1200 | Steel | 1 220 | 1213-1227 | 385-635 | 1355 | 1330 | 1485 | 210 |
| | Ductile iron | 1 255 | 1248-1262 | | 1390 | | | 278 |
| | PE | 1 200 | 1193-1207 | | 1335 | | | 200 |

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