

PN 10/16 - DN 50...1600

KAT-A 5027-RB

Product characteristics and benefits

- Flange connection according to EN, ANSI, BS or SABS
- Connection of pipes with flange and pipes without flange connection
- Can connect steel, ductile iron, UPVC, grey iron, asbestos cement and other pipe materials with each other
- Reduced bore in the flange adaptor limits the depth of insertion and ensures the right installation

Materials

- Body: Ductile iron EN-JS 1030 (GGG-40)
- Flange: Ductile iron EN-JS 1030 (GGG-40)
- Endring: DN50...300 ductile iron EN-JS 1030 (GGG-40), DN350...1600 rolled steel
- Threaded anchor bolts: 4.8 electro galvanized
- Seal: EPDM

Corrosion protection

- Internally and externally epoxy coated

Versions

- With 316 stainless-steel anchor bolts
- NBR and other sealing materials on request
- Other pressure ratings available on request

Field of application

- Underground installation
- Chamber installation
- Installation in plants



Tests and approvals

- WRAS tested and registered
- Certified non toxic elastomers and coatings for use on potable water distribution systems in accordance with BS 6920 (WRAS approved)
- Manufactured in accordance with AWWA C 219

Note

For proper installation and safe operation please follow the installation and operation instructions:

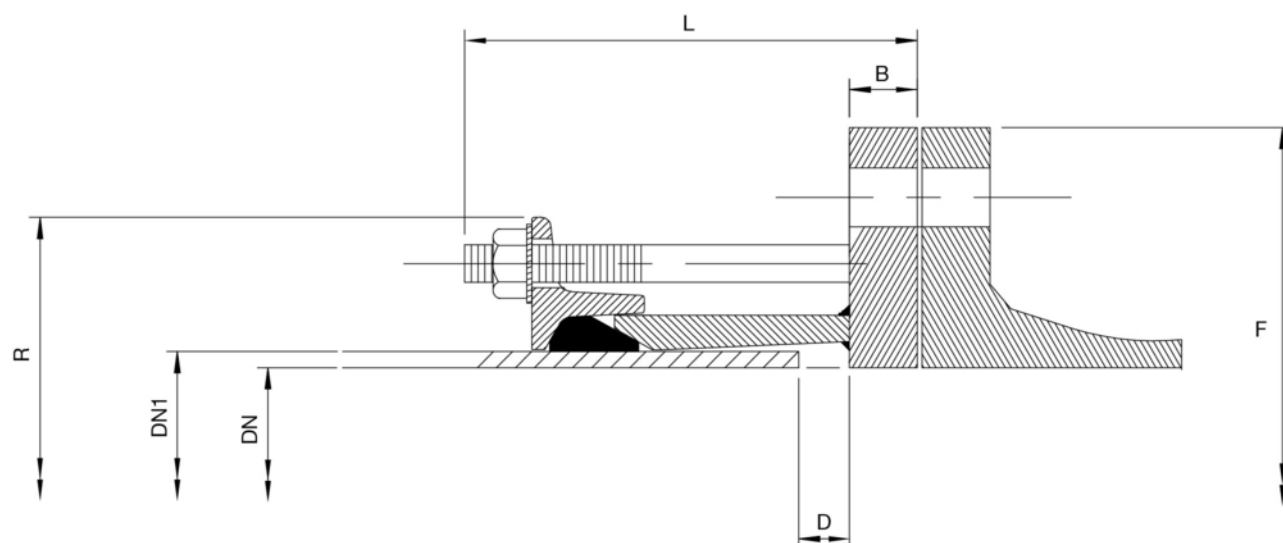
“Installation and Operating Instructions for Valves”

Operating conditions

DN	PN	Maximum operating pressure [bar]	Maximum operating temperature for neutral liquids [°C]
50...1600	10	10	60
50...1600	16	16	50



Drawing



Technical data

PN 10

DN	50	65	80	100	125	150	200	250	300	350	400	450
DN1 steel pipe	60.3	76.1	88.9	114.3	139.7	168.3	219.1	273.1	323.9	355.6	406.4	457.2
DN1 cast iron pipe	-	-	98	118	144	170	222	274	326	378	429	480
D min	12	12	12	12	12	12	12	12	12	12	12	12
D max	19	19	19	19	19	19	19	19	19	32	32	32
B [mm]	12	12	12	12	14	18	18	18	18	23	23	23
E [mm]	165	185	200	220	250	285	340	395	445	505	565	615
R [mm]	134	150	165	191	220	246	308	364	414	458	509	559

PN 10

DN	500	600	700	800	900	1000	1100	1200	1400	1600
DN1 steel pipe	508	610	711	813	914	1016	1118	1220	1420	1620
DN1 cast iron pipe	532	635	738	842	945	1048	1152	1255	1462	1668
D min	12	12	12	12	12	12	12	12	12	12
D max	32	32	32	32	32	32	32	32	32	32
B [mm]	23	23	23	23	23	28	28	38	38	38
E [mm]	670	780	895	1015	1115	1230	1340	1455	1675	1915
R [mm]	610	712	813	915	1016	1118	1220	1336	1536	1736

PN 16

DN	50	65	80	100	125	150	200	250	300	350	400	450
DN1 steel pipe	60.3	76.1	88.9	114.3	139.7	168.3	219.1	273.1	323.9	355.6	406.4	457.2
DN1 cast iron pipe	-	-	98	118	144	170	222	274	326	378	429	480
D min	12	12	12	12	12	12	12	12	12	12	12	12
D max	19	19	19	19	19	19	19	19	19	32	32	32
B [mm]	12	12	12	12	14	18	18	18	18	23	23	23
E [mm]	165	185	200	220	250	285	340	405	460	520	580	640
R [mm]	134	150	165	191	220	246	308	364	414	458	509	559

Technical data

PN 16

DN	500	600	700	800	900	1000	1100	1200	1400	1600
DN1 steel pipe	508	610	711	813	914	1016	1118	1220	1420	1620
DN1 cast iron pipe	532	635	738	842	945	1048	1152	1255	1462	1668
D min	12	12	12	12	12	12	12	12	12	12
D max	32	32	32	32	32	32	32	32	32	32
B [mm]	23	23	23	23	23	28	28	38	38	38
E [mm]	715	840	910	1025	1125	1255	1365	1485	1685	1930
R [mm]	610	712	813	915	1016	1118	1220	1336	1536	1736