LAURIDSEN industri

RESILIENT SEAT GATE VALVE ISO PN10-16 F5

Model/Ref: 184

Partnership. Without Limits.

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Ref. 184

RESILIENT SEAT GATE VALVE ISO PN10-16 F5

ISO 9001 : 2008

Size :	DN 40 to DN 600
Ends :	Flanges ISO PN10/16
Min Temperature :	- 10°C
Max Temperature :	+ 110°C
Max Pressure :	16 Bars up to DN400, 10 bars over
Specifications :	Non rising stem Clockwise to close Full and total bore

Materials : Ductile iron body

Lauridsen Industri + 45 75126274 www.lauridsenindustri.dk info@lauridsenindustri.dk

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RESILIENT SEAT GATE VALVE ISO PN10-16 F5 0°GATE

SPECIFICATIONS :

- Full and total bore
- Stainless steel non rising stem
- Clockwise to close
- Sliding pad (to facilitating the wedge movement) up to DN200
- Ductile iron wedge EPDM coated
- No retention area
- Heel positioning
- NBR bonnet gasket
- Screws bonnet protected
- 3 NBR O ring on stem
- Possibility to change stem gasket under pressure
- Epoxy painting RAL 5005 color 250 µm thickness
- Dust-coat on stem
- ISO PN10/16 flanges R.F.

USE :

- For water distribution
- Min and max Temperature Ts : - 10°C to + 110°C
- Max pressure Ps : 16 bars for ISO PN16 flanged valves up to DN400
- Max pressure Ps : 10 bars for ISO PN10 flanged valves from DN200 to 600

RANGE :

- Ductile iron body flanged R.F. ISO PN10/16 with square drive nut and ductile iron wedge EPDM coated **Ref. 184** from DN 40 to 600
- Possible with handwheel (option) **Ref. 9801594-9801598** from DN40 to DN400
- Stem extension 1 meter long **Ref. 9802020-9802030** from DN50 to DN400
- Stem extension 1,25 meter long **Ref. 9802031-9802041** from DN50 to DN400
- Stem extension 1,5 meter long **Ref. 9802042-9802052** from DN50 to DN400
- Stem extension 1,3 to 1,8 meter long **Ref. 9802060-9802068** from DN50 to DN300
- Stem extension 2 to 2,5 meter long **Ref. 9802070-9802078** from DN50 to DN300

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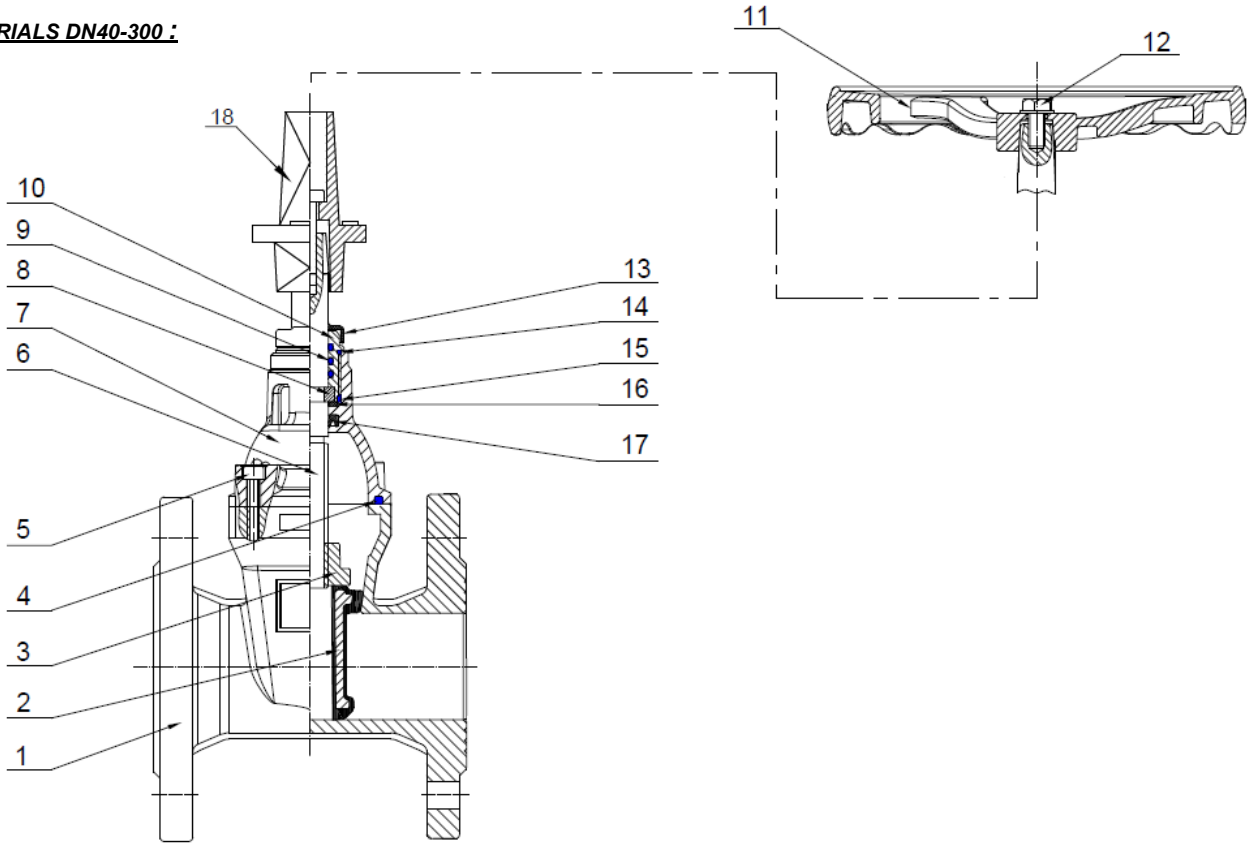
RESILIENT SEAT GATE VALVE ISO PN10-16 F5 O'GATE

MATERIALS DN40-300 :



Item	Designation	Materials
1	Body	Ductile iron EN GJS-500-7
2	Wedge	Ductile iron EN GJS-500-7 EPDM coated
3	Stem nut	Brass CuZn39Pb2
4	Bonnet gasket	NBR
5	Bonnet screw	C35
6	Stem	SS 420
7	Bonnet	Ductile iron EN GJS-500-7
8	Holding ring	Brass CuZn39Pb2
9	Stem O ring	NBR
10	Nut	Brass CuZn39Pb2
11	Handwheel	Ductile iron EN GJS-500-7
12	Handwheel screw	Rst 37-2
13	Dust-coat	NBR
14	Stem O ring	NBR
15	Stem O ring	NBR
16	Ring	Nylon 66
17	Auto sealing ring	NBR
18	Square drive nut	Ductile iron EN GJS-500-7

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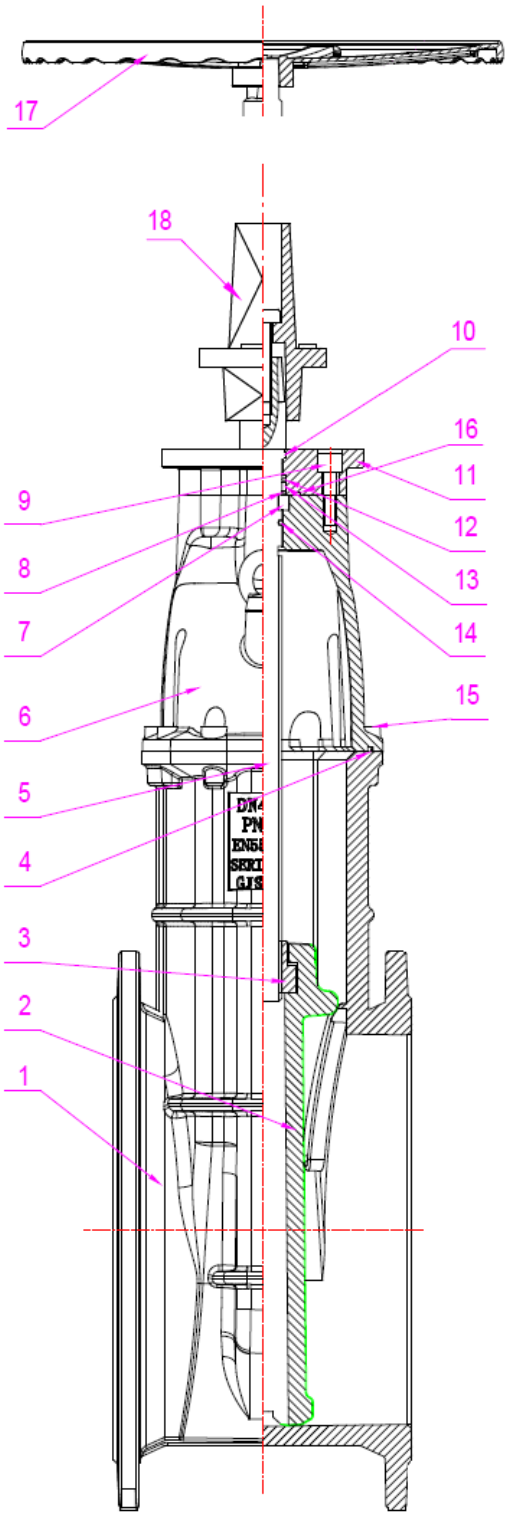
MATERIALS DN350 – 600 :



Item	Designation	Materials
1	Body	Ductile iron EN GJS-500-7
2	Wedge	Ductile iron EN GJS-500-7 + EPDM
3	Stem nut	Brass CuZn39Pb2
4	Bonnet gasket	NBR
5	Stem	SS 420
6	Bonnet	Ductile iron EN GJS-500-7
7	Holding ring	Brass CuZn39Pb2
8	O ring	NBR
9	Screw	RSt37-2
10	Dust-coat	NBR
11	Gland	Ductile iron EN GJS-500-7
12	O ring	NBR
13	Ring	Nylon 66
14	O ring	NBR
15	Bonnet bolt	Steel C35
16	O ring	NBR
17	Handwheel	Ductile iron EN GJS-500-7
18	Square drive nut	Ductile iron EN GJS-500-7

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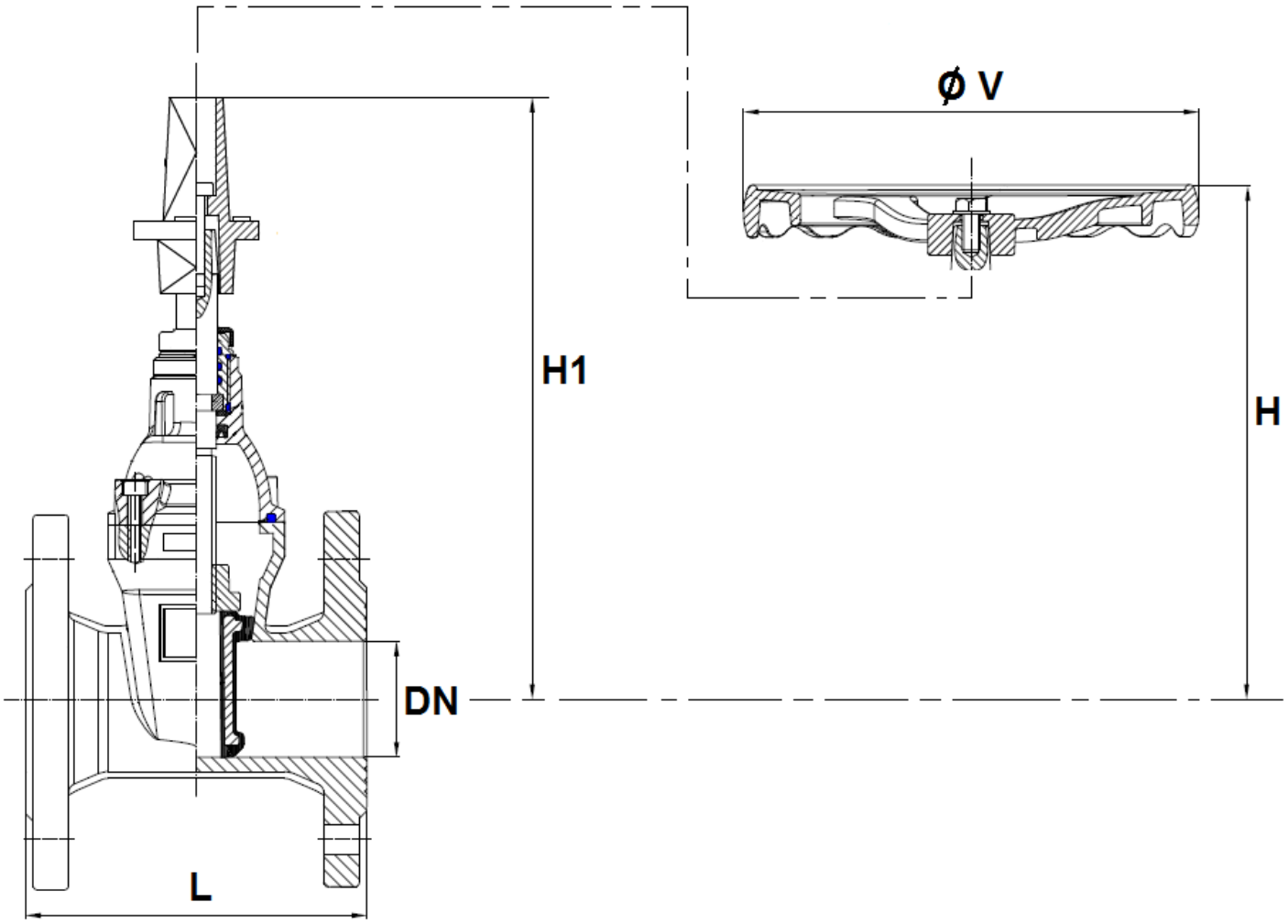
RESILIENT SEAT GATE VALVE ISO PN10-16 F5 0°GATE

SIZE DN40-300 (in mm) :



DN	40	50	65	80	100	125	150	200	250	300
L	240	250	270	280	300	325	350	400	450	500
H	190	215	235	265	315	350	385	485	600	680
H1	280	285	300	320	390	430	470	560	680	770
Ø V	200	200	200	254	254	315	315	315	406	406
Weight (Kg)	7.80	9.48	13.10	15.30	20.50	24.70	35.90	61.20	98.90	134.90

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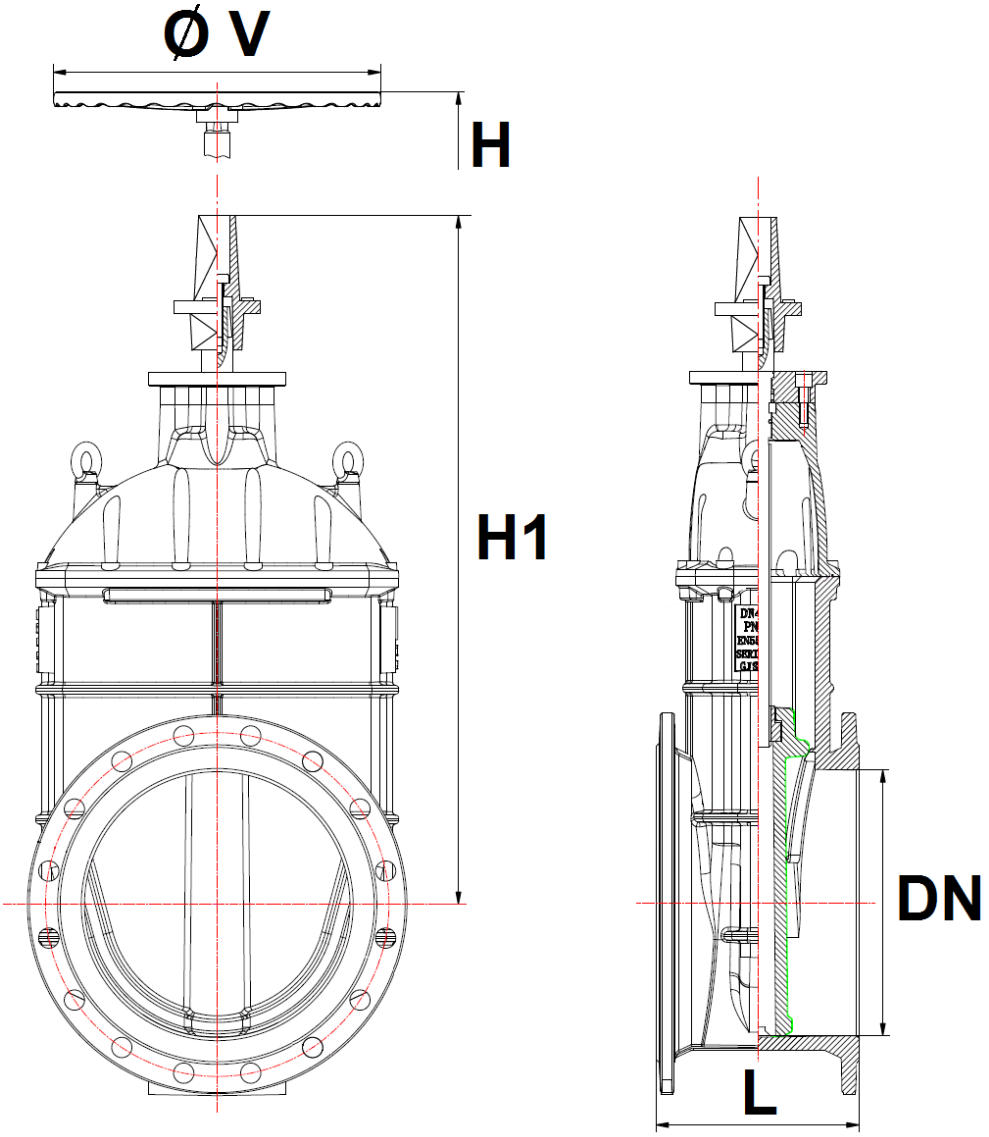
SIZE DN350 - 600 (in mm) :



DN	350	400	450	500	600
L	550	600	650	700	800
H	810	890	1050	1230	1260
H1	900	1000	1150	1330	-
Ø V	500	500	500	650	650
Weight (in Kg)	225.90	248.50	410	517.30	810

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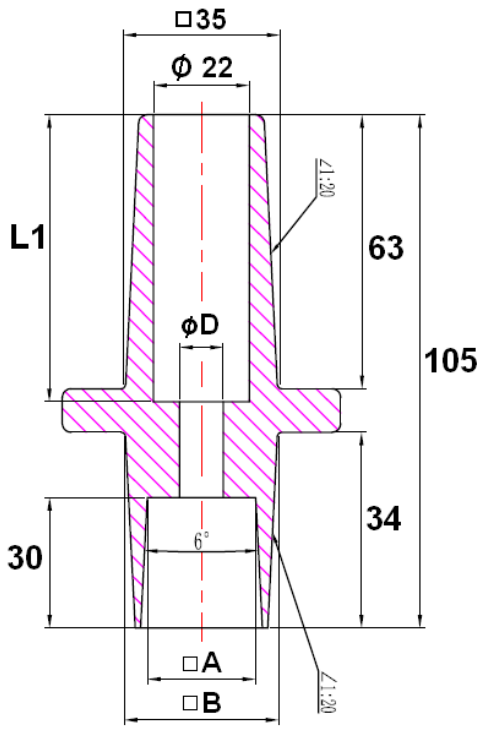
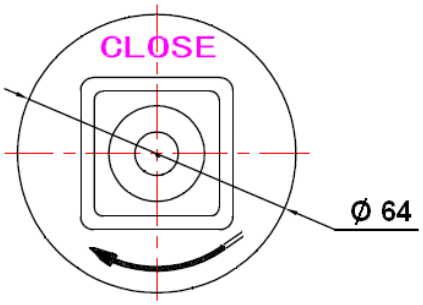
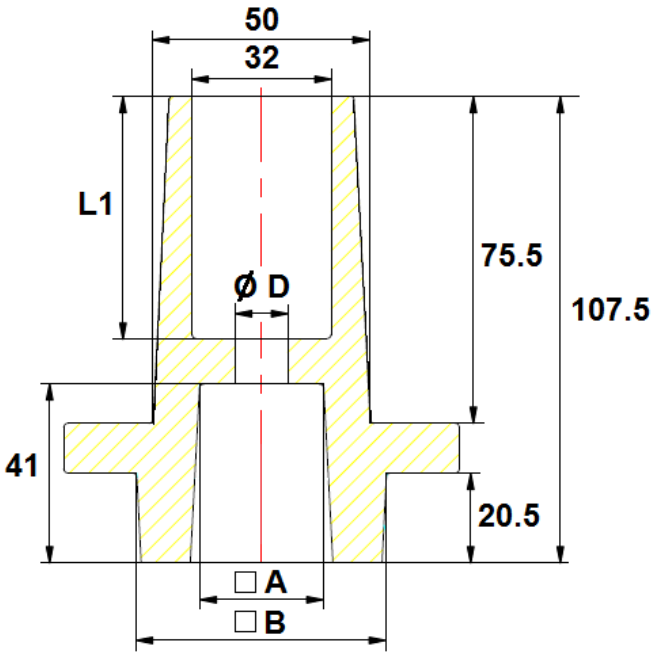
SQUARE DRIVE NUT SIZE (in mm) :

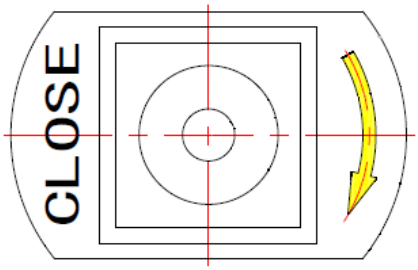
DN 40 – 300





DN 350 - 400





DN	40	50	65	80	100	125	150	200	250	300	350	400
A	14	14	14	17	17	19	19	19	24	24	28.5	28.5
B	34	34	34	34	34	36	36	36	42.5	42.5	57.5	57.5
L1	66	66	66	63	63	63	63	63	63	63	56	56
Ø D	10	10	10	10	10	10	10	10	12	12	12	12
Weight (Kg)	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.96	0.96
Ref.	9801831	9801831	9801831	9801832	9801832	9801833	9801833	9801833	9801834	9801834	9801838	9801838

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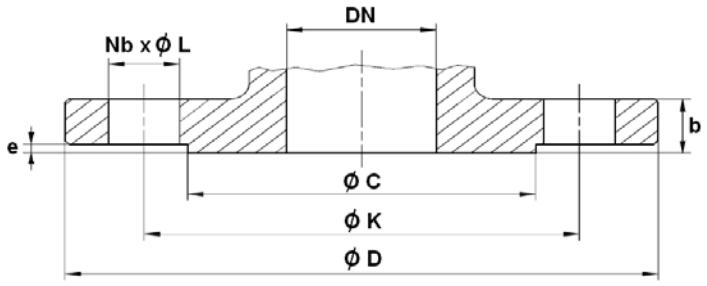
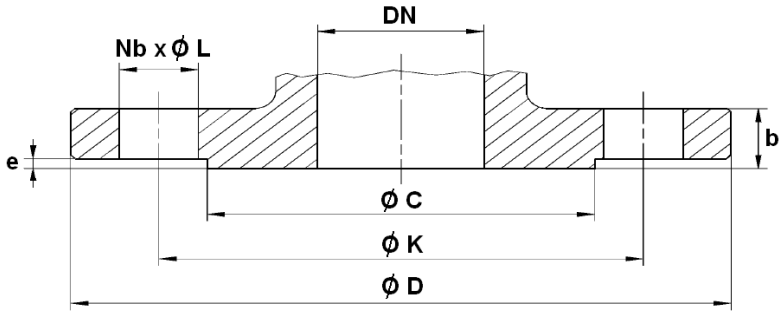
RESILIENT SEAT GATE VALVE ISO PN10-16 F5 0°GATE

SIZE ISO PN10 FLANGES (in mm) :



DN	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
Ø C	84	99	118	132	156	184	211	266	319	370	429	480	530	582	682
Ø D	150	165	185	200	220	250	285	340	405	460	520	580	640	715	840
Ø K	110	125	145	160	180	210	240	295	350	400	460	515	565	620	725
Nb x Ø L	4 x 19	4 x 19	4 x 19	8 x 19	8 x 19	8 x 19	8 x 23	8 x 23	12 x 23	12 x 23	16 x 23	16 x 28	20 x 28	20 x 28	20 x 31
b	19	19	19	19	19	19	19	20	22	24.5	26.5	28	30	31.5	36
e	3	3	3	3	3	3	3	3	3	4	4	4	4	4	5
Ref. 184	184040	184050	184065	184080	184100	184125	184150	184200	184250	184300	184350	184400	184450	184500	184600

SIZE ISO PN16 FLANGES (in mm) :



DN	200	250	300	350	400
Ø C	266	319	370	429	480
Ø D	340	405	460	520	580
Ø K	295	355	410	470	525
Nb x Ø L	12 x 23	12 x 28	12 x 28	16 x 28	16 x 31
b	20	22	24.5	26.5	28
e	3	3	4	4	4
Ref. 184	184201	184251	184301	184351	184401

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NUMBER OF CYCLES TO CLOSE OR OPEN THE VALVE :

DN	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
Number of cycles	13	14.5	18.75	21.5	21.5	24.5	30	34	45.25	49.75	55	61	52	57	66

STANDARDS :

- Fabrication according to ISO 9001 :2008
- Designing according to DIN 3352.4
- Tests according to EN 12266-1, Range A
- DIRECTIVE 97/23/CE : Products excluded from directive (article 3, § 3) up to DN300
  Risk category I Module A from DN350 to 600
- Length according to EN 558 series 15 (DIN 3202 F5)
- Flanges R.F. according to EN 1092-2 PN10/16
- English water agreement WRAS N° 1009062 for the wedge EPDM coated from DN50 to 500
- Approval certificate Russian **GOST-R**

ADVICE :Our opinion and our advice are not guaranteed and Lauridsen Industri shall not be liable for the consequences of damages.
The customer must check the right choice of the products with the real service conditions.

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INSTALLATION INSTRUCTIONS

GENERAL GUIDELINES :

- Ensure that the valves to be used are appropriate for the conditions of the installation (type of fluid,pressure and temperature).
- Be sure to have enough valves to be able to isolate the sections of piping as well as the appropriate equipment for maintenance and repair.
- Ensure that the valves to be installed are of correct strenght to be able to support the capacity of their usage.
- **Installation of all circuits should ensure that their function can be automatically tested on a regular basis (at least two times a year).**

INSTALLATION INSTRUCTIONS :

- **Before installing the valves,clean and remove any objects from the pipes** (in particular bits of sealing and metal) which could obstruct and block the valves.
- **Ensure that both connecting pipes either side of the valve (upstream and downstream) are aligned (if they're not,the valves may not work correctly).**
- **Make sure that the two sections of the pipe (upstream and downstream) match,the valve unit will not absorb any gaps.Any distortions in the pipes may affect the thightness of the connection,the working of the valve and can even cause a rupture.**To be sure,place the kit in position to ensure the assembling will work.
- **If sections of piping do not have their final support in place,they should be temporarily fixed.This is to avoid unnecessary strain on the valve.**
- Tighten the bolts in cross.
- It's recommended to operate the valve (open and close) 1 to 2 times per year