

Butterfly Valves



On the following pages you will find the article numbers required for inquiries and orders of the **Butterfly Valves**, accessories, and spare parts of our catalogue program.

You will also find drawings with the installation dimensions.

The description of the products and all technical data sheets will be available on our new website, soon.

If you have any question, are looking for a different version, or if you would like to place an order, please send an e-mail to our sales team at sales@nocado.de.

Please keep in mind that it's necessary that you have to define and communicate the following characteristics so that we can process your request:

1. Product type / version
2. Size
3. Material steel with product contact
4. Material seals with product contact
5. Finish steel
6. Tube connections
7. Operation
8. Position sensors / control
9. Certificates

Instead of the a.m. characteristics you can send us the **Nocado article number**.

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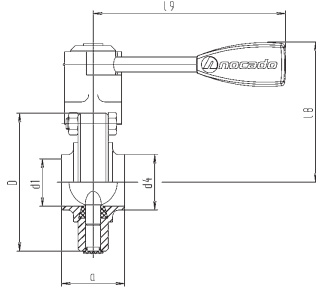
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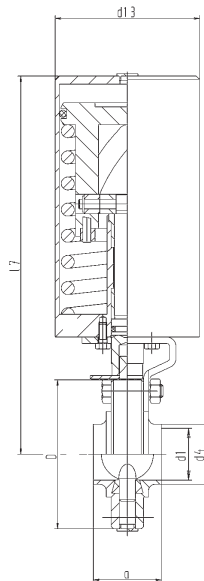
butterfly valve, weld ends (for tubing acc. DIN 11850 line 2) (622N)

DN	a	d1	d4	D	I8	I9	weight (kg)
15	40	16	19	87	89	102	1,350
20	40	20	23	87	89	102	1,350
25	40	26	29	87	89	132	1,350
32	42	32	35	92	91	132	1,420
40	50	38	41	97	94	132	1,520
50	50	50	53	110	100	132	1,800
65	50	66	70	127	109	132	2,180
80	60	81	85	142	124	165	3,950
100	64	100	104	162	135	165	4,800
125	112	125	129	200	162	216	8,100
150	124	150	154	230	177	216	10,300



butterfly valve, weld ends, air/spr. (NC)(for tub. acc. DIN 11850 line 2) (622N)

DN	a	d1	d4	D	d13	I7	weight (kg)
15	40	16	19	87	89	231	4,300
20	40	20	23	87	89	231	4,300
25	40	26	29	87	89	231	4,300
32	42	32	35	92	89	234	4,320
40	50	38	41	97	89	236	4,480
50	50	50	53	110	89	242	4,790
65	50	66	70	127	89	251	5,210
80	60	81	85	142	89	260	6,610
100	64	100	104	162	89	270	7,460
125	112	125	129	200	133	369	16,040
150	124	150	154	230	133	384	18,300



butterfly valve, weld ends (for tubing acc. DIN 11850 line 2) (622N)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
15	161.06.11E.0068	161.06.11H.0068	161.06.11S.0068	161.06.11V.0068
20	161.07.11E.0068	161.07.11H.0068	161.07.11S.0068	161.07.11V.0068
25	161.08.11E.0068	161.08.11H.0068	161.08.11S.0068	161.08.11V.0068
32	161.09.11E.0068	161.09.11H.0068	161.09.11S.0068	161.09.11V.0068
40	161.10.11E.0068	161.10.11H.0068	161.10.11S.0068	161.10.11V.0068
50	161.11.11E.0068	161.11.11H.0068	161.11.11S.0068	161.11.11V.0068
65	161.12.11E.0068	161.12.11H.0068	161.12.11S.0068	161.12.11V.0068
80	161.14.11E.0068	161.14.11H.0068	161.14.11S.0068	161.14.11V.0068
100	161.15.11E.0068	161.15.11H.0068	161.15.11S.0068	161.15.11V.0068
125	161.16.11E.0068	161.16.11H.0068	161.16.11S.0068	161.16.11V.0068
150	161.17.11E.0068	161.17.11H.0068	161.17.11S.0068	161.17.11V.0068

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, weld ends (for tubing acc. DIN 11850 line 2) (622N)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
15	161.06.12E.0068	161.06.12H.0068	161.06.12S.0068	161.06.12V.0068
20	161.07.12E.0068	161.07.12H.0068	161.07.12S.0068	161.07.12V.0068
25	161.08.12E.0068	161.08.12H.0068	161.08.12S.0068	161.08.12V.0068
32	161.09.12E.0068	161.09.12H.0068	161.09.12S.0068	161.09.12V.0068
40	161.10.12E.0068	161.10.12H.0068	161.10.12S.0068	161.10.12V.0068
50	161.11.12E.0068	161.11.12H.0068	161.11.12S.0068	161.11.12V.0068
65	161.12.12E.0068	161.12.12H.0068	161.12.12S.0068	161.12.12V.0068
80	161.14.12E.0068	161.14.12H.0068	161.14.12S.0068	161.14.12V.0068
100	161.15.12E.0068	161.15.12H.0068	161.15.12S.0068	161.15.12V.0068
125	161.16.12E.0068	161.16.12H.0068	161.16.12S.0068	161.16.12V.0068
150	161.17.12E.0068	161.17.12H.0068	161.17.12S.0068	161.17.12V.0068

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, weld ends, air/spr. (NC)(for tub. acc. DIN 11850 line 2) (622N)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
15	162.06.11E.0068	162.06.11H.0068	162.06.11S.0068	162.06.11V.0068
20	162.07.11E.0068	162.07.11H.0068	162.07.11S.0068	162.07.11V.0068
25	162.08.11E.0068	162.08.11H.0068	162.08.11S.0068	162.08.11V.0068
32	162.09.11E.0068	162.09.11H.0068	162.09.11S.0068	162.09.11V.0068
40	162.10.11E.0068	162.10.11H.0068	162.10.11S.0068	162.10.11V.0068
50	162.11.11E.0068	162.11.11H.0068	162.11.11S.0068	162.11.11V.0068
65	162.12.11E.0068	162.12.11H.0068	162.12.11S.0068	162.12.11V.0068
80	162.14.11E.0068	162.14.11H.0068	162.14.11S.0068	162.14.11V.0068
100	162.15.11E.0068	162.15.11H.0068	162.15.11S.0068	162.15.11V.0068
125	162.16.11E.0068	162.16.11H.0068	162.16.11S.0068	162.16.11V.0068
150	162.17.11E.0068	162.17.11H.0068	162.17.11S.0068	162.17.11V.0068

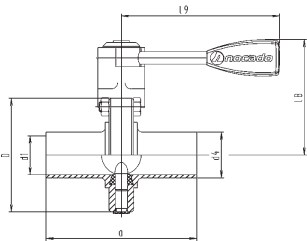
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, weld ends, air/spr. (NC)(for tub. acc. DIN 11850 line 2) (622N)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
15	162.06.12E.0068	162.06.12H.0068	162.06.12S.0068	162.06.12V.0068
20	162.07.12E.0068	162.07.12H.0068	162.07.12S.0068	162.07.12V.0068
25	162.08.12E.0068	162.08.12H.0068	162.08.12S.0068	162.08.12V.0068
32	162.09.12E.0068	162.09.12H.0068	162.09.12S.0068	162.09.12V.0068
40	162.10.12E.0068	162.10.12H.0068	162.10.12S.0068	162.10.12V.0068
50	162.11.12E.0068	162.11.12H.0068	162.11.12S.0068	162.11.12V.0068
65	162.12.12E.0068	162.12.12H.0068	162.12.12S.0068	162.12.12V.0068
80	162.14.12E.0068	162.14.12H.0068	162.14.12S.0068	162.14.12V.0068
100	162.15.12E.0068	162.15.12H.0068	162.15.12S.0068	162.15.12V.0068
125	162.16.12E.0068	162.16.12H.0068	162.16.12S.0068	162.16.12V.0068
150	162.17.12E.0068	162.17.12H.0068	162.17.12S.0068	162.17.12V.0068

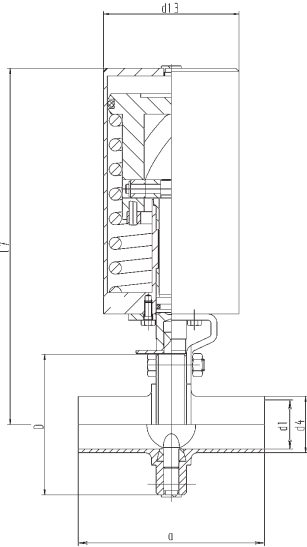
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, weld ends for orbital weld. (for tub. acc. DIN 11850 line 2)



DN	a	d1	d4	D	l8	l9	weight (kg)
25	125	26	29	87	89	132	1,430
32	125	32	35	92	91	132	1,520
40	125	38	41	97	94	132	1,640
50	125	50	53	110	100	132	1,950
65	125	66	70	127	109	132	2,455
80	160	81	85	142	124	165	4,408
100	170	100	104	162	135	165	5,353

butterfly valve, weld ends f. orbital weld. air/spr. (NC)(for tub. acc. DIN 11850 line 2)



DN	a	d1	d4	D	d13	l7	weight (kg)
25	125	26	29	87	89	231	4,383
32	125	32	35	92	89	234	4,490
40	125	38	41	97	89	236	4,600
50	125	50	53	110	89	242	5,060
65	125	66	70	127	89	251	5,630
80	160	81	85	142	89	260	7,060
100	170	100	104	162	89	270	8,050

butterfly valve, weld ends for orbital weld. (for tub. acc. DIN 11850 line 2)

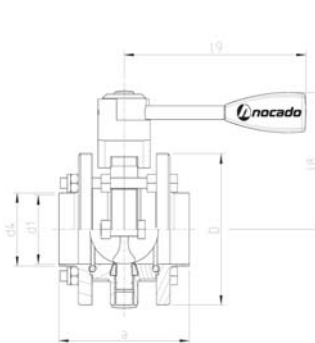
DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
25	o 161.08.12E.0132	o 161.08.12H.0132	o 161.08.12S.0132	o 161.08.12V.0132
32	o 161.09.12E.0132	o 161.09.12H.0132	o 161.09.12S.0132	o 161.09.12V.0132
40	o 161.10.12E.0132	o 161.10.12H.0132	o 161.10.12S.0132	o 161.10.12V.0132
50	o 161.11.12E.0132	o 161.11.12H.0132	o 161.11.12S.0132	o 161.11.12V.0132
65	o 161.12.12E.0132	o 161.12.12H.0132	o 161.12.12S.0132	o 161.12.12V.0132
80	o 161.14.12E.0132	o 161.14.12H.0132	o 161.14.12S.0132	o 161.14.12V.0132
100	o 161.15.12E.0132	o 161.15.12H.0132	o 161.15.12S.0132	o 161.15.12V.0132

butterfly valve, weld ends f. orbital weld. air/spr. (NC)(for tub. acc. DIN 11850 line 2)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
25	o 162.08.12E.0132	o 162.08.12H.0132	o 162.08.12S.0132	o 162.08.12V.0132
32	o 162.09.12E.0132	o 162.09.12H.0132	o 162.09.12S.0132	o 162.09.12V.0132
40	o 162.10.12E.0132	o 162.10.12H.0132	o 162.10.12S.0132	o 162.10.12V.0132
50	o 162.11.12E.0132	o 162.11.12H.0132	o 162.11.12S.0132	o 162.11.12V.0132
65	o 162.12.12E.0132	o 162.12.12H.0132	o 162.12.12S.0132	o 162.12.12V.0132
80	o 162.14.12E.0132	o 162.14.12H.0132	o 162.14.12S.0132	o 162.14.12V.0132
100	o 162.15.12E.0132	o 162.15.12H.0132	o 162.15.12S.0132	o 162.15.12V.0132

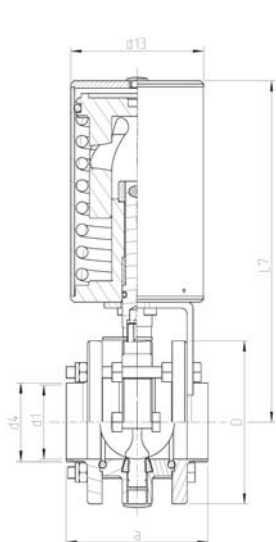
available in version spring/air (normally closed) and air/air

Butterfly valve DIN, between flanges EHEDG, weld ends, handle 90° (tubes acc. to DIN 11850-line 2) [660E]



DN	a	d1	d4	D	l8	l9	weight (kg)
25	87	26	29	87	89	132	2,430
32	87	32	35	92	91	132	2,570
40	97	38	41	97	94	132	2,780
50	97	50	53	110	100	132	3,350
65	97	66	70	127	109	132	4,070
80	133	81	85	142	124	165	7,400
100	133	100	104	162	135	165	8,800
125	165	125	129	200	162	216	15,100
150	175	150	154	230	177	216	18,400

Butterfly valve DIN, between flanges EHEDG, weld ends, actuator normally closed (NC) (for tubes acc. to DIN 11850-line 2) [660E]



DN	a	d1	d4	D	d13	l7	weight (kg)
25	87	26	29	87	89	231	5,380
32	87	32	35	92	89	234	5,540
40	97	38	41	97	89	236	5,740
50	97	50	53	110	89	242	6,340
65	97	66	70	127	89	251	7,100
80	133	81	85	142	89	260	10,060
100	133	100	104	162	89	270	11,490
125	165	125	129	200	133	369	23,040
150	175	150	154	230	133	384	26,400

Butterfly valve DIN, between flanges EHEDG, weld ends, handle 90° (for tubes acc. to DIN 11850-line 2) [660E]

DN	304L EPDM bright Article no.	304L HNBR bright Article no.	304L VMQ bright Article no.	304L FKM bright Article no.
25	● 161.08.11E.0085	● 161.08.11H.0085	● 161.08.11S.0085	● 161.08.11V.0085
32	○ 161.09.11E.0085	○ 161.09.11H.0085	○ 161.09.11S.0085	○ 161.09.11V.0085
40	● 161.10.11E.0085	● 161.10.11H.0085	● 161.10.11S.0085	● 161.10.11V.0085
50	● 161.11.11E.0085	● 161.11.11H.0085	● 161.11.11S.0085	● 161.11.11V.0085
65	● 161.12.11E.0085	● 161.12.11H.0085	● 161.12.11S.0085	● 161.12.11V.0085
80	● 161.14.11E.0085	● 161.14.11H.0085	● 161.14.11S.0085	● 161.14.11V.0085
100	● 161.15.11E.0085	● 161.15.11H.0085	● 161.15.11S.0085	● 161.15.11V.0085
125	○ 161.16.11E.0085	○ 161.16.11H.0085	○ 161.16.11S.0085	○ 161.16.11V.0085
150	○ 161.17.11E.0085	○ 161.17.11H.0085	○ 161.17.11S.0085	○ 161.17.11V.0085

Without handle: at 3rd digit, number 9 in article no. (z. B. 162.11.11E.0085)
 Matt surface: at 6th digit, number 2 in article no. (z. B. 161.11.22E.0085)

Butterfly valve DIN, between flanges EHEDG, weld ends, handle 90° (for tubes acc. to DIN 11850-line 2) [660E]

DN	316L EPDM bright Article no.	316L HNBR bright Article no.	316L VMQ bright Article no.	316L FKM bright Article no.
25	● 161.08.12E.0085	● 161.08.12H.0085	● 161.08.12S.0085	● 161.08.12V.0085
32	○ 161.09.12E.0085	○ 161.09.12H.0085	○ 161.09.12S.0085	○ 161.09.12V.0085
40	● 161.10.12E.0085	● 161.10.12H.0085	● 161.10.12S.0085	● 161.10.12V.0085
50	● 161.11.12E.0085	● 161.11.12H.0085	● 161.11.12S.0085	● 161.11.12V.0085
65	● 161.12.12E.0085	● 161.12.12H.0085	● 161.12.12S.0085	● 161.12.12V.0085
80	● 161.14.12E.0085	● 161.14.12H.0085	● 161.14.12S.0085	● 161.14.12V.0085
100	● 161.15.12E.0085	● 161.15.12H.0085	● 161.15.12S.0085	● 161.15.12V.0085
125	○ 161.16.12E.0085	○ 161.16.12H.0085	○ 161.16.12S.0085	○ 161.16.12V.0085
150	○ 161.17.12E.0085	○ 161.17.12H.0085	○ 161.17.12S.0085	○ 161.17.12V.0085

Without handle: at 3rd digit, number 9 in article no. (z. B. 162.11.11E.0085)
 Matt surface: at 6th digit, number 2 in article no. (z. B. 161.11.22E.0085)

Butterfly valve DIN, between flanges EHEDG, weld ends, actuator normally closed (NC) (for tubes acc. to DIN 11850-line-2) [660E]

DN	304L EPDM bright Article no.	304L HNBR bright Article no.	304L VMQ bright Article no.	304L FKM bright Article no.
25	● 162.08.11E.0085	● 162.08.11H.0085	● 162.08.11S.0085	● 162.08.11V.0085
32	○ 162.09.11E.0085	○ 162.09.11H.0085	○ 162.09.11S.0085	○ 162.09.11V.0085
40	● 162.10.11E.0085	● 162.10.11H.0085	● 162.10.11S.0085	● 162.10.11V.0085
50	● 162.11.11E.0085	● 162.11.11H.0085	● 162.11.11S.0085	● 162.11.11V.0085
65	● 162.12.11E.0085	● 162.12.11H.0085	● 162.12.11S.0085	● 162.12.11V.0085
80	● 162.14.11E.0085	● 162.14.11H.0085	● 162.14.11S.0085	● 162.14.11V.0085
100	● 162.15.11E.0085	● 162.15.11H.0085	● 162.15.11S.0085	● 162.15.11V.0085
125	○ 162.16.11E.0085	○ 162.16.11H.0085	○ 162.16.11S.0085	○ 162.16.11V.0085
150	○ 162.17.11E.0085	○ 162.17.11H.0085	○ 162.17.11S.0085	○ 162.17.11V.0085

Design of valve with actuator NO (normally open) or NS (non static, air/air) available.
 Matt surface: at 6th digit, number 2 in article no. (z. B. 162.11.22E.0085)

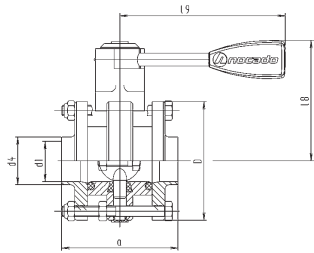
Butterfly valve DIN, between flanges EHEDG, weld ends, actuator normally closed (NC) (for tubes acc. to DIN 11850-line-2) [660E]

DN	316L EPDM bright Article no.	316L HNBR bright Article no.	316L VMQ bright Article no.	316L FKM bright Article no.
25	● 162.08.12E.0085	● 162.08.12H.0085	● 162.08.12S.0085	● 162.08.12V.0085
32	○ 162.09.12E.0085	○ 162.09.12H.0085	○ 162.09.12S.0085	○ 162.09.12V.0085
40	● 162.10.12E.0085	● 162.10.12H.0085	● 162.10.12S.0085	● 162.10.12V.0085
50	● 162.12.12E.0085	● 162.12.12H.0085	● 162.12.12S.0085	● 162.12.12V.0085
65	● 162.12.12E.0085	● 162.12.12H.0085	● 162.12.12S.0085	● 162.12.12V.0085
80	● 162.14.12E.0085	● 162.14.12H.0085	● 162.14.12S.0085	● 162.14.12V.0085
100	● 162.15.12E.0085	● 162.15.12H.0085	● 162.15.12S.0085	● 162.15.12V.0085
125	○ 162.16.12E.0085	○ 162.16.12H.0085	○ 162.16.12S.0085	○ 162.16.12V.0085
150	○ 162.17.12E.0085	○ 162.17.12H.0085	○ 162.17.12S.0085	○ 162.17.12V.0085

Design of valve with actuator NO (normally open) or NS (non static, air/air) available.
 Matt surface: at 6th digit, number 2 in article no. (z. B. 162.11.22E.0085)

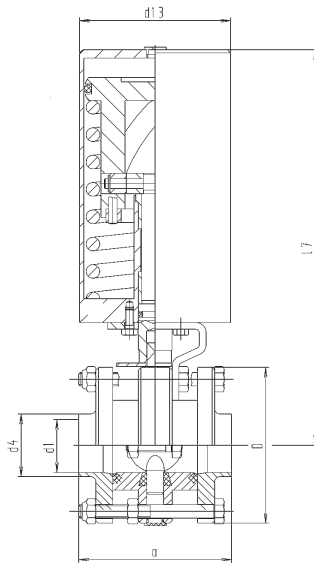
Old version with gaskets acc. to DIN 11851-G between butterfly valve and outer flanges on request.

butterfly valve DIN between flanges o-form



DN	a	d1	d4	D	l8	l9	weight (kg)
25	90	26	29	87	89	132	2,430
32	90	32	35	92	91	132	2,570
40	100	38	41	97	94	132	2,780
50	100	50	53	110	100	132	3,350
65	100	66	70	127	109	132	4,070
80	136	81	85	142	124	165	7,400
100	136	100	104	162	135	165	8,800
125	168	125	129	200	162	216	15,100
150	178	150	154	230	177	216	18,400

butterfly valve DIN between flanges o-form air/spring (NC)



DN	a	d1	d4	D	d13	l7	weight (kg)
25	90	26	29	87	89	231	5,410
32	90	32	35	92	89	234	5,550
40	100	38	41	97	89	236	5,760
50	100	50	53	110	89	242	6,330
65	100	66	70	127	89	251	7,050
80	136	81	85	142	89	260	9,670
100	136	100	104	162	89	270	11,430
125	168	125	129	200	133	369	23,060
150	178	150	154	230	133	384	26,310

butterfly valve DIN between flanges o-form

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
25	o 161.08.11E.0072	o 161.08.11H.0072	o 161.08.11S.0072	o 161.08.11V.0072
32	o 161.09.11E.0072	o 161.09.11H.0072	o 161.09.11S.0072	o 161.09.11V.0072
40	o 161.10.11E.0072	o 161.10.11H.0072	o 161.10.11S.0072	o 161.10.11V.0072
50	o 161.11.11E.0072	o 161.11.11H.0072	o 161.11.11S.0072	o 161.11.11V.0072
65	o 161.12.11E.0072	o 161.12.11H.0072	o 161.12.11S.0072	o 161.12.11V.0072
80	o 161.14.11E.0072	o 161.14.11H.0072	o 161.14.11S.0072	o 161.14.11V.0072
100	o 161.15.11E.0072	o 161.15.11H.0072	o 161.15.11S.0072	o 161.15.11V.0072
125	o 161.16.11E.0072	o 161.16.11H.0072	o 161.16.11S.0072	o 161.16.11V.0072
150	o 161.17.11E.0072	o 161.17.11H.0072	o 161.17.11S.0072	o 161.17.11V.0072

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve DIN between flanges o-form

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
25	o 161.08.12E.0072	o 161.08.12H.0072	o 161.08.12S.0072	o 161.08.12V.0072
32	o 161.09.12E.0072	o 161.09.12H.0072	o 161.09.12S.0072	o 161.09.12V.0072
40	o 161.10.12E.0072	o 161.10.12H.0072	o 161.10.12S.0072	o 161.10.12V.0072
50	o 161.11.12E.0072	o 161.11.12H.0072	o 161.11.12S.0072	o 161.11.12V.0072
65	o 161.12.12E.0072	o 161.12.12H.0072	o 161.12.12S.0072	o 161.12.12V.0072
80	o 161.14.12E.0072	o 161.14.12H.0072	o 161.14.12S.0072	o 161.14.12V.0072
100	o 161.15.12E.0072	o 161.15.12H.0072	o 161.15.12S.0072	o 161.15.12V.0072
125	o 161.16.12E.0072	o 161.16.12H.0072	o 161.16.12S.0072	o 161.16.12V.0072
150	o 161.17.12E.0072	o 161.17.12H.0072	o 161.17.12S.0072	o 161.17.12V.0072

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve DIN between flanges o-form air/spring (NC)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
25	o 162.08.11E.0072	o 162.08.11H.0072	o 162.08.11S.0072	o 162.08.11V.0072
32	o 162.09.11E.0072	o 162.09.11H.0072	o 162.09.11S.0072	o 162.09.11V.0072
40	o 162.10.11E.0072	o 162.10.11H.0072	o 162.10.11S.0072	o 162.10.11V.0072
50	o 162.11.11E.0072	o 162.11.11H.0072	o 162.11.11S.0072	o 162.11.11V.0072
65	o 162.12.11E.0072	o 162.12.11H.0072	o 162.12.11S.0072	o 162.12.11V.0072
80	o 162.14.11E.0072	o 162.14.11H.0072	o 162.14.11S.0072	o 162.14.11V.0072
100	o 162.15.11E.0072	o 162.15.11H.0072	o 162.15.11S.0072	o 162.15.11V.0072
125	o 162.16.11E.0072	o 162.16.11H.0072	o 162.16.11S.0072	o 162.16.11V.0072
150	o 162.17.11E.0072	o 162.17.11H.0072	o 162.17.11S.0072	o 162.17.11V.0072

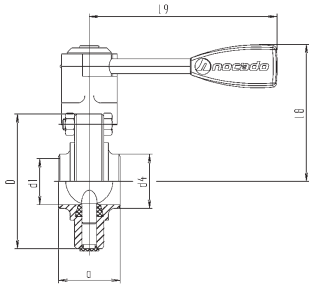
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve DIN between flanges o-form air/spring (NC)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
25	o 162.08.12E.0072	o 162.08.12H.0072	o 162.08.12S.0072	o 162.08.12V.0072
32	o 162.09.12E.0072	o 162.09.12H.0072	o 162.09.12S.0072	o 162.09.12V.0072
40	o 162.10.12E.0072	o 162.10.12H.0072	o 162.10.12S.0072	o 162.10.12V.0072
50	o 162.11.12E.0072	o 162.11.12H.0072	o 162.11.12S.0072	o 162.11.12V.0072
65	o 162.12.12E.0072	o 162.12.12H.0072	o 162.12.12S.0072	o 162.12.12V.0072
80	o 162.14.12E.0072	o 162.14.12H.0072	o 162.14.12S.0072	o 162.14.12V.0072
100	o 162.15.12E.0072	o 162.15.12H.0072	o 162.15.12S.0072	o 162.15.12V.0072
125	o 162.16.12E.0072	o 162.16.12H.0072	o 162.16.12S.0072	o 162.16.12V.0072
150	o 162.17.12E.0072	o 162.17.12H.0072	o 162.17.12S.0072	o 162.17.12V.0072

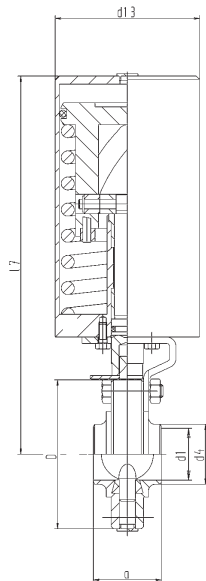
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, weld ends (welding bevel for tubing acc.DIN 11850) (622)



DN	a	d1	d4	D	I8	I9	weight (kg)
15	40	16	21	87	89	102	1,350
20	40	20	25	87	89	102	1,350
25	40	26	31	87	89	132	1,350
32	42	32	37	92	91	132	1,420
40	50	38	43	97	94	132	1,520
50	50	50	55	110	100	132	1,800
65	50	66	72	127	109	132	2,180
80	60	81	87	142	124	165	3,950
100	64	100	106	162	135	165	4,800
125	112	125	132	200	162	216	8,100
150	124	150	157	230	177	216	10,300

butterfly valve, weld ends, air/spr. (NC) (welding bevel acc. DIN 11850) (622)



DN	a	d1	d4	d13	D	I7	weight (kg)
15	40	16	21	89	87	231	4,300
20	40	20	25	89	87	231	4,300
25	40	26	31	89	87	231	4,300
32	42	32	37	89	92	234	4,390
40	50	38	43	89	97	236	4,480
50	50	50	55	89	110	242	4,790
65	50	66	72	89	127	251	5,210
80	60	81	87	89	142	260	6,610
100	64	100	106	89	162	270	7,490
125	112	125	132	133	200	369	16,040
150	124	150	157	133	230	384	18,300

butterfly valve, weld ends (welding bevel for tubing acc.DIN 11850) (622)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
15	● 161.06.11E.0000	○ 161.06.11H.0000	● 161.06.11S.0000	● 161.06.11V.0000
20	● 161.07.11E.0000	○ 161.07.11H.0000	● 161.07.11S.0000	● 161.07.11V.0000
25	● 161.08.11E.0000	● 161.08.11H.0000	● 161.08.11S.0000	● 161.08.11V.0000
32	● 161.09.11E.0000	● 161.09.11H.0000	● 161.09.11S.0000	● 161.09.11V.0000
40	● 161.10.11E.0000	● 161.10.11H.0000	● 161.10.11S.0000	● 161.10.11V.0000
50	● 161.11.11E.0000	● 161.11.11H.0000	● 161.11.11S.0000	● 161.11.11V.0000
65	● 161.12.11E.0000	● 161.12.11H.0000	● 161.12.11S.0000	● 161.12.11V.0000
80	● 161.14.11E.0000	● 161.14.11H.0000	● 161.14.11S.0000	● 161.14.11V.0000
100	● 161.15.11E.0000	● 161.15.11H.0000	● 161.15.11S.0000	● 161.15.11V.0000
125	○ 161.16.11E.0000	○ 161.16.11H.0000	○ 161.16.11S.0000	○ 161.16.11V.0000
150	○ 161.17.11E.0000	○ 161.17.11H.0000	○ 161.17.11S.0000	○ 161.17.11V.0000

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, weld ends (welding bevel for tubing acc.DIN 11850) (622)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
15	● 161.06.12E.0000	○ 161.06.12H.0000	● 161.06.12S.0000	● 161.06.12V.0000
20	● 161.07.12E.0000	○ 161.07.12H.0000	● 161.07.12S.0000	● 161.07.12V.0000
25	● 161.08.12E.0000	● 161.08.12H.0000	● 161.08.12S.0000	● 161.08.12V.0000
32	● 161.09.12E.0000	● 161.09.12H.0000	● 161.09.12S.0000	● 161.09.12V.0000
40	● 161.10.12E.0000	● 161.10.12H.0000	● 161.10.12S.0000	● 161.10.12V.0000
50	● 161.11.12E.0000	● 161.11.12H.0000	● 161.11.12S.0000	● 161.11.12V.0000
65	● 161.12.12E.0000	● 161.12.12H.0000	● 161.12.12S.0000	● 161.12.12V.0000
80	● 161.14.12E.0000	● 161.14.12H.0000	● 161.14.12S.0000	● 161.14.12V.0000
100	● 161.15.12E.0000	● 161.15.12H.0000	● 161.15.12S.0000	● 161.15.12V.0000
125	○ 161.16.12E.0000	○ 161.16.12H.0000	○ 161.16.12S.0000	○ 161.16.12V.0000
150	○ 161.17.12E.0000	○ 161.17.12H.0000	○ 161.17.12S.0000	○ 161.17.12V.0000

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, weld ends, air/spr. (NC) (welding bevel acc. DIN 11850) (622)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
15	○ 162.06.11E.0000	○ 162.06.11H.0000	○ 162.06.11S.0000	○ 162.06.11V.0000
20	● 162.07.11E.0000	○ 162.07.11H.0000	● 162.07.11S.0000	● 162.07.11V.0000
25	● 162.08.11E.0000	● 162.08.11H.0000	● 162.08.11S.0000	● 162.08.11V.0000
32	● 162.09.11E.0000	● 162.09.11H.0000	● 162.09.11S.0000	● 162.09.11V.0000
40	● 162.10.11E.0000	● 162.10.11H.0000	● 162.10.11S.0000	● 162.10.11V.0000
50	● 162.11.11E.0000	● 162.11.11H.0000	● 162.11.11S.0000	● 162.11.11V.0000
65	● 162.12.11E.0000	● 162.12.11H.0000	● 162.12.11S.0000	● 162.12.11V.0000
80	● 162.14.11E.0000	● 162.14.11H.0000	● 162.14.11S.0000	● 162.14.11V.0000
100	● 162.15.11E.0000	● 162.15.11H.0000	● 162.15.11S.0000	● 162.15.11V.0000
125	○ 162.16.11E.0000	○ 162.16.11H.0000	○ 162.16.11S.0000	○ 162.16.11V.0000
150	○ 162.17.11E.0000	○ 162.17.11H.0000	○ 162.17.11S.0000	○ 162.17.11V.0000

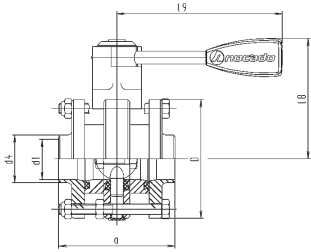
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, weld ends, air/spr. (NC) (welding bevel acc. DIN 11850) (622)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
15	○ 162.06.12E.0000	○ 162.06.12H.0000	○ 162.06.12S.0000	○ 162.06.12V.0000
20	● 162.07.12E.0000	○ 162.07.12H.0000	● 162.07.12S.0000	● 162.07.12V.0000
25	● 162.08.12E.0000	● 162.08.12H.0000	● 162.08.12S.0000	● 162.08.12V.0000
32	● 162.09.12E.0000	● 162.09.12H.0000	● 162.09.12S.0000	● 162.09.12V.0000
40	● 162.10.12E.0000	● 162.10.12H.0000	● 162.10.12S.0000	● 162.10.12V.0000
50	● 162.11.12E.0000	● 162.11.12H.0000	● 162.11.12S.0000	● 162.11.12V.0000
65	● 162.12.12E.0000	● 162.12.12H.0000	● 162.12.12S.0000	● 162.12.12V.0000
80	● 162.14.12E.0000	● 162.14.12H.0000	● 162.14.12S.0000	● 162.14.12V.0000
100	● 162.15.12E.0000	● 162.15.12H.0000	● 162.15.12S.0000	● 162.15.12V.0000
125	○ 162.16.12E.0000	○ 162.16.12H.0000	○ 162.16.12S.0000	○ 162.16.12V.0000
150	○ 162.17.12E.0000	○ 162.17.12H.0000	○ 162.17.12S.0000	○ 162.17.12V.0000

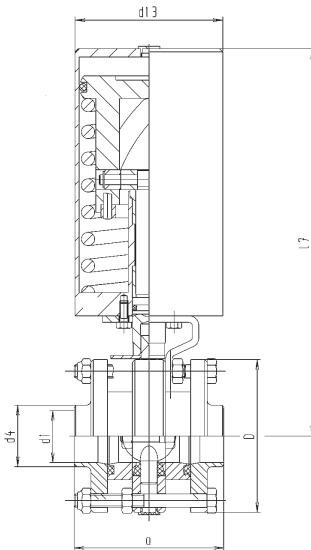
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, betw. flanges, (for tubing acc. DIN 11850) (660)



DN	a	d1	d4	D	l8	l9	weight (kg)
20	90	20	25	87	89	102	2,430
25	90	26	31	87	89	132	2,430
32	90	32	37	92	91	132	2,570
40	100	38	43	97	94	132	2,780
50	100	50	55	110	100	132	3,350
65	100	66	72	127	109	132	4,070
80	136	81	87	142	124	165	7,400
100	136	100	106	162	135	165	15,100
125	168	125	132	200	162	216	15,100
150	178	150	157	230	177	216	18,400
200	112	200	208	316	221	276	28,400

butterfly valve, betw. fl. air/spring (NC) (weld. bevel acc. DIN 11850) (660)



DN	a	d1	d4	D	d13	l7	weight (kg)
20	90	20	25	87	89	231	5,380
25	90	26	31	87	89	231	5,380
32	90	32	37	92	89	234	5,540
40	100	38	43	97	89	236	5,740
50	100	50	55	110	89	242	6,340
65	100	66	72	127	89	251	7,100
80	136	81	87	142	89	260	10,060
100	136	100	106	162	89	270	11,490
125	168	125	132	200	133	369	23,040
150	178	150	157	230	133	384	26,400
200	112	200	208	316	133	428	36,320

butterfly valve, betw. flanges, (for tubing acc. DIN 11850) (660)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
20	○ 161.07.11E.0018	○ 161.07.11H.0018	○ 161.07.11S.0018	○ 161.07.11V.0018
25	● 161.08.11E.0018	● 161.08.11H.0018	● 161.08.11S.0018	● 161.08.11V.0018
32	● 161.09.11E.0018	● 161.09.11H.0018	● 161.09.11S.0018	● 161.09.11V.0018
40	● 161.10.11E.0018	● 161.10.11H.0018	● 161.10.11S.0018	● 161.10.11V.0018
50	● 161.11.11E.0018	● 161.11.11H.0018	● 161.11.11S.0018	● 161.11.11V.0018
65	● 161.12.11E.0018	● 161.12.11H.0018	● 161.12.11S.0018	● 161.12.11V.0018
80	● 161.14.11E.0018	● 161.14.11H.0018	● 161.14.11S.0018	● 161.14.11V.0018
100	● 161.15.11E.0018	● 161.15.11H.0018	● 161.15.11S.0018	● 161.15.11V.0018
125	○ 161.16.11E.0018	○ 161.16.11H.0018	○ 161.16.11S.0018	○ 161.16.11V.0018
150	○ 161.17.11E.0018	○ 161.17.11H.0018	○ 161.17.11S.0018	○ 161.17.11V.0018
200	○ 161.18.11E.0018	○ 161.18.11H.0018	○ 161.18.11S.0018	○ 161.18.11V.0018

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, betw. flanges, (for tubing acc. DIN 11850) (660)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
20	○ 161.07.12E.0018	○ 161.07.12H.0018	○ 161.07.12S.0018	○ 161.07.12V.0018
25	● 161.08.12E.0018	● 161.08.12H.0018	● 161.08.12S.0018	● 161.08.12V.0018
32	● 161.09.12E.0018	● 161.09.12H.0018	● 161.09.12S.0018	● 161.09.12V.0018
40	● 161.10.12E.0018	● 161.10.12H.0018	● 161.10.12S.0018	● 161.10.12V.0018
50	● 161.11.12E.0018	● 161.11.12H.0018	● 161.11.12S.0018	● 161.11.12V.0018
65	● 161.12.12E.0018	● 161.12.12H.0018	● 161.12.12S.0018	● 161.12.12V.0018
80	● 161.14.12E.0018	● 161.14.12H.0018	● 161.14.12S.0018	● 161.14.12V.0018
100	● 161.15.12E.0018	● 161.15.12H.0018	● 161.15.12S.0018	● 161.15.12V.0018
125	○ 161.16.12E.0018	○ 161.16.12H.0018	○ 161.16.12S.0018	○ 161.16.12V.0018
150	○ 161.17.12E.0018	○ 161.17.12H.0018	○ 161.17.12S.0018	○ 161.17.12V.0018
200	○ 161.18.12E.0018	○ 161.18.12H.0018	○ 161.18.12S.0018	○ 161.18.12V.0018

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, betw. fl. air/spring (NC) (weld. bevel acc. DIN 11850) (660)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
20	○ 162.07.11E.0018	○ 162.07.11H.0018	○ 162.07.11S.0018	○ 162.07.11V.0018
25	● 162.08.11E.0018	● 162.08.11H.0018	● 162.08.11S.0018	● 162.08.11V.0018
32	● 162.09.11E.0018	● 162.09.11H.0018	● 162.09.11S.0018	● 162.09.11V.0018
40	● 162.10.11E.0018	● 162.10.11H.0018	● 162.10.11S.0018	● 162.10.11V.0018
50	● 162.11.11E.0018	● 162.11.11H.0018	● 162.11.11S.0018	● 162.11.11V.0018
65	● 162.12.11E.0018	● 162.12.11H.0018	● 162.12.11S.0018	● 162.12.11V.0018
80	● 162.14.11E.0018	● 162.14.11H.0018	● 162.14.11S.0018	● 162.14.11V.0018
100	● 162.15.11E.0018	● 162.15.11H.0018	● 162.15.11S.0018	● 162.15.11V.0018
125	○ 162.16.11E.0018	○ 162.16.11H.0018	○ 162.16.11S.0018	○ 162.16.11V.0018
150	○ 162.17.11E.0018	○ 162.17.11H.0018	○ 162.17.11S.0018	○ 162.17.11V.0018
200	○ 162.18.11E.0018	○ 162.18.11H.0018	○ 162.18.11S.0018	○ 162.18.11V.0018

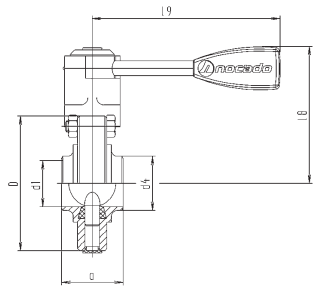
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, betw. fl. air/spring (NC) (weld. bevel acc. DIN 11850) (660)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
20	○ 162.07.12E.0018	○ 162.07.12H.0018	○ 162.07.12S.0018	○ 162.07.12V.0018
25	● 162.08.12E.0018	● 162.08.12H.0018	● 162.08.12S.0018	● 162.08.12V.0018
32	● 162.09.12E.0018	● 162.09.12H.0018	● 162.09.12S.0018	● 162.09.12V.0018
40	● 162.10.12E.0018	● 162.10.12H.0018	● 162.10.12S.0018	● 162.10.12V.0018
50	● 162.11.12E.0018	● 162.11.12H.0018	● 162.11.12S.0018	● 162.11.12V.0018
65	● 162.12.12E.0018	● 162.12.12H.0018	● 162.12.12S.0018	● 162.12.12V.0018
80	● 162.14.12E.0018	● 162.14.12H.0018	● 162.14.12S.0018	● 162.14.12V.0018
100	● 162.15.12E.0018	● 162.15.12H.0018	● 162.15.12S.0018	● 162.15.12V.0018
125	○ 162.16.12E.0018	○ 162.16.12H.0018	○ 162.16.12S.0018	○ 162.16.12V.0018
150	○ 162.17.12E.0018	○ 162.17.12H.0018	○ 162.17.12S.0018	○ 162.17.12V.0018
200	○ 162.18.12E.0018	○ 162.18.12H.0018	○ 162.18.12S.0018	○ 162.18.12V.0018

matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, weld ends, inch OD (623)



DN	a	d1	d4	D	l8	l9	weight (kg)
1"	40	22.1	25.4	87	89	132	1,310
1¼"	42	28.5	31.8	92	91	132	1,420
1½"	50	34.8	38.1	97	94	132	1,520
2"	50	47.5	50.8	110	100	132	1,800
2½"	50	60.2	63.5	127	109	132	2,180
3"	60	72.9	76.2	142	124	165	4,150
4"	64	97.4	101.6	162	135	165	4,800

butterfly valve, weld ends, inch OD (623)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
1"	● 161.08.11E.0001	● 161.08.11H.0001	● 161.08.11S.0001	● 161.08.11V.0001
1¼"	● 161.09.11E.0001	● 161.09.11H.0001	● 161.09.11S.0001	● 161.09.11V.0001
1½"	● 161.10.11E.0001	● 161.10.11H.0001	● 161.10.11S.0001	● 161.10.11V.0001
2"	● 161.11.11E.0001	● 161.11.11H.0001	● 161.11.11S.0001	● 161.11.11V.0001
2½"	● 161.12.11E.0001	● 161.12.11H.0001	● 161.12.11S.0001	● 161.12.11V.0001
3"	● 161.13.11E.0001	● 161.13.11H.0001	● 161.13.11S.0001	● 161.13.11V.0001
4"	● 161.15.11E.0001	● 161.15.11H.0001	● 161.15.11S.0001	● 161.15.11V.0001

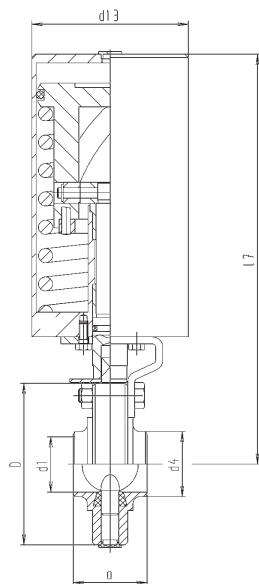
matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, weld ends, inch OD (623)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
1"	● 161.08.12E.0001	● 161.08.12H.0001	● 161.08.12S.0001	● 161.08.12V.0001
1¼"	● 161.09.12E.0001	● 161.09.12H.0001	● 161.09.12S.0001	● 161.09.12V.0001
1½"	● 161.10.12E.0001	● 161.10.12H.0001	● 161.10.12S.0001	● 161.10.12V.0001
2"	● 161.11.12E.0001	● 161.11.12H.0001	● 161.11.12S.0001	● 161.11.12V.0001
2½"	● 161.12.12E.0001	● 161.12.12H.0001	● 161.12.12S.0001	● 161.12.12V.0001
3"	● 161.13.12E.0001	● 161.13.12H.0001	● 161.13.12S.0001	● 161.13.12V.0001
4"	● 161.15.12E.0001	● 161.15.12H.0001	● 161.15.12S.0001	● 161.15.12V.0001

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, weld ends, air/spring (NC), inch OD (623)



DN	a	d1	d4	D	d13	l7	weight (kg)
1"	40	22.1	25.4	87	89	231	4,260
1¼"	42	28.5	31.8	92	89	234	4,390
1½"	50	34.8	38.1	97	89	236	4,480
2"	50	47.5	50.8	110	89	242	4,790
2½"	50	60.2	63.5	127	89	251	5,210
3"	60	72.9	76.2	142	89	260	6,810
4"	64	97.4	101.6	162	89	270	7,490

butterfly valve, weld ends, air/spring (NC), inch OD (623)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
1"	● 162.08.11E.0001	● 162.08.11H.0001	● 162.08.11S.0001	● 162.08.11V.0001
1¼"	● 162.09.11E.0001	● 162.09.11H.0001	● 162.09.11S.0001	● 162.09.11V.0001
1½"	● 162.10.11E.0001	● 162.10.11H.0001	● 162.10.11S.0001	● 162.10.11V.0001
2"	● 162.11.11E.0001	● 162.11.11H.0001	● 162.11.11S.0001	● 162.11.11V.0001
2½"	● 162.12.11E.0001	● 162.12.11H.0001	● 162.12.11S.0001	● 162.12.11V.0001
3"	● 162.13.11E.0001	● 162.13.11H.0001	● 162.13.11S.0001	● 162.13.11V.0001
4"	● 162.15.11E.0001	● 162.15.11H.0001	● 162.15.11S.0001	● 162.15.11V.0001

matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, weld ends, air/spring (NC), inch OD (623)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
1"	● 162.08.12E.0001	● 162.08.12H.0001	● 162.08.12S.0001	● 162.08.12V.0001
1¼"	● 162.09.12E.0001	● 162.09.12H.0001	● 162.09.12S.0001	● 162.09.12V.0001
1½"	● 162.10.12E.0001	● 162.10.12H.0001	● 162.10.12S.0001	● 162.10.12V.0001
2"	● 162.11.12E.0001	● 162.11.12H.0001	● 162.11.12S.0001	● 162.11.12V.0001
2½"	● 162.12.12E.0001	● 162.12.12H.0001	● 162.12.12S.0001	● 162.12.12V.0001
3"	● 162.13.12E.0001	● 162.13.12H.0001	● 162.13.12S.0001	● 162.13.12V.0001
4"	● 162.15.12E.0001	● 162.15.12H.0001	● 162.15.12S.0001	● 162.15.12V.0001

matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

DN	a	d1	d4	D	l8	l9	weight (kg)
1"	125	22.1	25.4	87	89	132	1,410
1 1/4"	125	28.5	31.8	92	91	132	1,497
1 1/2"	125	34.8	38.1	97	94	132	1,635
2"	125	47.5	50.8	110	100	132	1,955
2 1/2"	125	60.2	63.5	127	109	132	2,370
3"	160	72.9	76.2	142	124	165	4,360
4"	170	97.4	101.4	162	135	165	5,345

DN	a	d1	d4	D	d13	l7	weight (kg)
1"	125	22.1	25.4	87	89	231	4,360
1 1/4"	125	28.5	31.8	92	89	234	4,465
1 1/2"	125	34.8	38.1	97	89	236	4,670
2"	125	47.5	50.8	110	89	242	5,060
2 1/2"	125	60.2	63.5	127	89	251	5,550
3"	160	72.9	76.2	142	89	260	7,210
4"	170	97.4	101.4	162	89	270	8,040

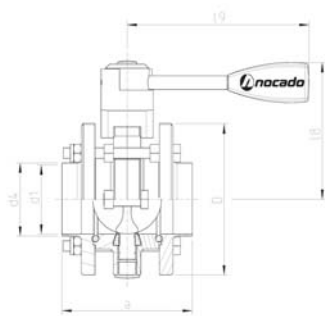
butterfly valve, weld ends for orbital welding, inch
OD (6220)

[illegible]

butterfly valve, weld ends for orbital welding, air/spring (NC), inch OD

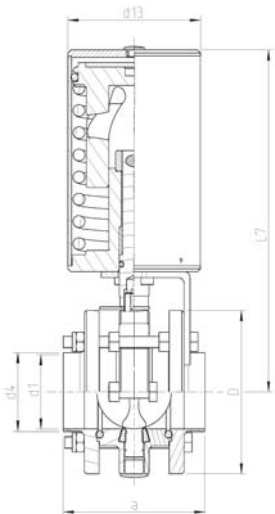
DN	316 L EPDM polished		316 L HNBR polished		316 L MVQ polished		316 L FPM polished	
	Ident number		Ident number		Ident number		Ident number	
1"	o 162.08.12E0133		o 162.08.12H0133		o 162.08.12S0133		o 162.08.12V0133	
1 1/4"	o 162.09.12E0133		o 162.09.12H0133		o 162.09.12S0133		o 162.09.12V0133	
1 1/2"	o 162.10.12E0133		o 162.10.12H0133		o 162.10.12S0133		o 162.10.12V0133	
2"	o 162.11.12E0133		o 162.11.12H0133		o 162.11.12S0133		o 162.11.12V0133	
2 1/2"	o 162.12.12E0133		o 162.12.12H0133		o 162.12.12S0133		o 162.12.12V0133	
3"	o 162.13.12E0133		o 162.13.12H0133		o 162.13.12S0133		o 162.13.12V0133	
4"	o 162.15.12E0133		o 162.15.12H0133		o 162.15.12S0133		o 162.15.12V0133	
spring (NC), inch OD								
available in version spring/air (normally open) and air/air								

Butterfly valve Inch/ASME-BPE, between flanges EHEDG, weld ends, handle 90° [660EZ]



DN	a	d1	d4	D	I8	I9	weight (kg)
1"	87	22,10	25,4	87	89	132	2,430
1½"	97	34,80	38,1	97	94	132	2,780
2"	97	47,50	50,8	110	100	132	3,350
2½"	97	60,20	63,5	127	109	132	4,070
3"	133	72,90	76,2	142	124	165	7,200
4"	133	97,38	101,6	162	135	165	8,800

Butterfly valve Inch/ASME BPE, between flanges EHEDG, weld ends, actuator normally closed [660EZ]



DN	a	d1	d4	D	d13	I7	weight (kg)
1"	87	22,10	25,4	87	89	231	5,380
1½"	97	34,80	38,1	97	89	236	5,740
2"	97	47,50	50,8	110	89	242	6,340
2½"	97	60,20	63,5	127	89	251	7,100
3"	133	72,90	76,2	142	89	260	9,860
4"	133	97,38	101,6	162	89	270	11,490

Butterfly valve Inch OD, between flanges EHEDG, weld ends, handle 90° [660EZ]

DN	304L EPDM bright Article no.	304L HNBR bright Article no.	304L VMQ bright Article no.	304L FKM bright Article no.
1"	○ 161.08.11E.0088	○ 161.08.11H.0088	○ 161.08.11S.0088	○ 161.08.11V.0088
1½"	○ 161.10.11E.0088	○ 161.10.11H.0088	○ 161.10.11S.0088	○ 161.10.11V.0088
2"	● 161.11.11E.0088	● 161.11.11H.0088	● 161.11.11S.0088	● 161.11.11V.0088
2½"	● 161.12.11E.0088	● 161.12.11H.0088	● 161.12.11S.0088	● 161.12.11V.0088
3"	● 161.13.11E.0088	● 161.13.11H.0088	● 161.13.11S.0088	● 161.13.11V.0088
4"	● 161.15.11E.0088	● 161.15.11H.0088	● 161.15.11S.0088	● 161.15.11V.0088

Without handle: at 3rd digit, number 9 in article no. (z. B. 169.11.11E.0085)

Matt surface: at 6th digit, number 2 in article no. (z. B. 161.11.21E.0085)

Butterfly valve Inch OD, between flanges EHEDG, weld ends, handle 90° [660EZ]

DN	316L EPDM bright Article no.	316L HNBR bright Article no.	316L VMQ bright Article no.	316L FKM bright Article no.
1"	○ 161.08.12E.0088	○ 161.08.12H.0088	○ 161.08.12S.0088	○ 161.08.12V.0088
1½"	○ 161.10.12E.0088	○ 161.10.12H.0088	○ 161.10.12S.0088	○ 161.10.12V.0088
2"	● 161.12.12E.0088	● 161.12.12H.0088	● 161.12.12S.0088	● 161.12.12V.0088
2½"	● 161.12.12E.0088	● 161.12.12H.0088	● 161.12.12S.0088	● 161.12.12V.0088
3"	● 161.13.12E.0088	● 161.13.12H.0088	● 161.13.12S.0088	● 161.13.12V.0088
4"	● 161.15.12E.0088	● 161.15.12H.0088	● 161.15.12S.0088	● 161.15.12V.0088

Without handle: at 3rd digit, number 9 in article no. (z. B. 169.11.11E.0085)

Matt surface: at 6th digit, number 2 in article no. (z. B. 161.11.21E.0085)

Butterfly valve Inch OD, between flanges EHEDG, weld ends, actuator normally closed (NC) [660EZ]

DN	304L EPDM bright Article no.	304L HNBR bright Article no.	304L VMQ bright Article no.	304L FKM bright Article no.
1"	○ 162.08.11E.0088	○ 162.08.11H.0088	○ 162.08.11S.0088	○ 162.08.11V.0088
1½"	○ 162.10.11E.0088	○ 162.10.11H.0088	○ 162.10.11S.0088	○ 162.10.11V.0088
2"	● 162.11.11E.0088	● 162.11.11H.0088	● 162.11.11S.0088	● 162.11.11V.0088
2½"	● 162.12.11E.0088	● 162.12.11H.0088	● 162.12.11S.0088	● 162.12.11V.0088
3"	● 162.13.11E.0088	● 162.13.11H.0088	● 162.13.11S.0088	● 162.13.11V.0088
4"	● 162.15.11E.0088	● 162.15.11H.0088	● 162.15.11S.0088	● 162.15.11V.0088

Design of valve with actuator NO (normally open) or NS (non static, air/air) available.

Matt surface: at 6th digit, number 2 in article no. (z. B. 162.11.21E.0088)

Butterfly valve Inch OD, between flanges EHEDG, weld ends, actuator normally closed (NC) [660EZ]

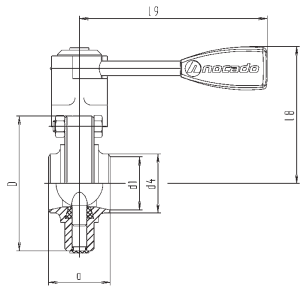
DN	316L EPDM bright Article no.	316L HNBR bright Article no.	316L VMQ bright Article no.	316L FKM bright Article no.
1"	○ 162.08.12E.0088	○ 162.08.12H.0088	○ 162.08.12S.0088	○ 162.08.12V.0088
1½"	○ 162.10.12E.0088	○ 162.10.12H.0088	○ 162.10.12S.0088	○ 162.10.12V.0088
2"	● 162.11.12E.0088	● 162.11.12H.0088	● 162.11.12S.0088	● 162.11.12V.0088
2½"	● 162.12.12E.0088	● 162.12.12H.0088	● 162.12.12S.0088	● 162.12.12V.0088
3"	● 162.13.12E.0088	● 162.13.12H.0088	● 162.13.12S.0088	● 162.13.12V.0088
4"	● 162.15.12E.0088	● 162.15.12H.0088	● 162.15.12S.0088	● 162.15.12V.0088

Design of valve with actuator NO (normally open) or NS (non static, air/air) available.

Matt surface: at 6th digit, number 2 in article no. (z. B. 162.11.21E.0088)

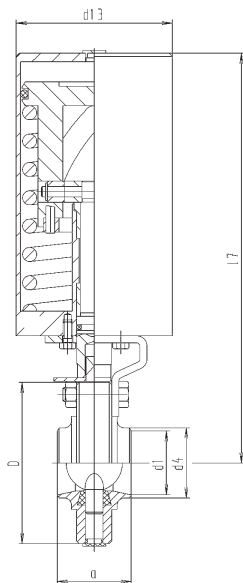
Old version with gaskets acc. to DIN 11851-G between butterfly valve and outer flanges on request.

butterfly valve, weld ends, ISO (6221)



DN	a	d1	d4	D	l8	l9	weight (kg)
25	40	29.7	33.7	87	89	132	1,310
32	42	38	42	92	91	132	1,420
40	50	44.3	48.3	97	94	132	1,520
50	50	56.3	60.3	110	100	132	1,800
65	50	72.9	76.1	127	109	132	2,180
80	60	84.9	88.9	142	124	165	3,950
100	64	109.7	114.3	162	135	165	4,800

butterfly valve, weld ends, air/spring (NC), ISO (6221)



DN	a	d1	d4	D	d13	l7	weight (kg)
25	40	29.7	33.7	87	89	231	4,340
32	42	38	42	92	89	233	4,450
40	50	44.3	48.3	97	89	236	4,595
50	50	56.3	60.3	110	89	242	4,860
65	50	72.9	76.1	127	89	251	5,200
80	60	84.9	88.9	142	89	260	6,575
100	64	109.7	114.3	162	89	270	7,550

butterfly valve, weld ends, ISO (6221)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
25	○ 161.08.11E0115	○ 161.08.11H0115	● 161.08.11S0115	● 161.08.11V0115
32	○ 161.09.11E0115	○ 161.09.11H0115	● 161.09.11S0115	● 161.09.11V0115
40	○ 161.10.11E0115	○ 161.10.11H0115	● 161.10.11S0115	● 161.10.11V0115
50	○ 161.11.11E0115	○ 161.11.11H0115	● 161.11.11S0115	● 161.11.11V0115
65	○ 161.12.11E0115	○ 161.12.11H0115	● 161.12.11S0115	● 161.12.11V0115
80	○ 161.14.11E0115	○ 161.14.11H0115	● 161.14.11S0115	● 161.14.11V0115
100	○ 161.15.11E0115	○ 161.15.11H0115	● 161.15.11S0115	○ 161.15.11V0115

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, weld ends, ISO (6221)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
25	○ 161.08.12E0115	○ 161.08.12H0115	● 161.08.12S0115	○ 161.08.12V0115
32	○ 161.09.12E0115	○ 161.09.12H0115	● 161.09.12S0115	○ 161.09.12V0115
40	○ 161.10.12E0115	○ 161.10.12H0115	● 161.10.12S0115	○ 161.10.12V0115
50	○ 161.11.12E0115	○ 161.11.12H0115	● 161.11.12S0115	○ 161.11.12V0115
65	○ 161.12.12E0115	○ 161.12.12H0115	● 161.12.12S0115	○ 161.12.12V0115
80	○ 161.14.12E0115	○ 161.14.12H0115	● 161.14.12S0115	○ 161.14.12V0115
100	○ 161.15.12E0115	○ 161.15.12H0115	○ 161.15.12S0115	○ 161.15.12V0115

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, weld ends, air/spring (NC), ISO (6221)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
25	○ 162.08.11E0115	○ 162.08.11H0115	● 162.08.11S0115	○ 162.08.11V0115
32	○ 162.09.11E0115	○ 162.09.11H0115	● 162.09.11S0115	○ 162.09.11V0115
40	○ 162.10.11E0115	○ 162.10.11H0115	● 162.10.11S0115	○ 162.10.11V0115
50	○ 162.11.11E0115	○ 162.11.11H0115	● 162.11.11S0115	○ 162.11.11V0115
65	○ 162.12.11E0115	○ 162.12.11H0115	● 162.12.11S0115	○ 162.12.11V0115
80	○ 162.14.11E0115	○ 162.14.11H0115	● 162.14.11S0115	○ 162.14.11V0115
100	○ 162.15.11E0115	○ 162.15.11H0115	● 162.15.11S0115	○ 162.15.11V0115

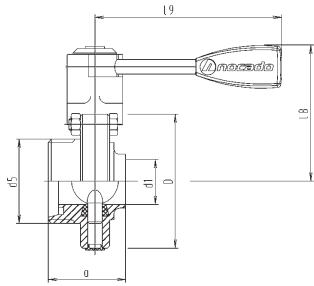
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, weld ends, air/spring (NC), ISO (6221)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
25	○ 162.08.12E0115	○ 162.08.12H0115	● 162.08.12S0115	○ 162.08.12V0115
32	○ 162.09.12E0115	○ 162.09.12H0115	● 162.09.12S0115	○ 162.09.12V0115
40	○ 162.10.12E0115	○ 162.10.12H0115	● 162.10.12S0115	○ 162.10.12V0115
50	○ 162.11.12E0115	○ 162.11.12H0115	● 162.11.12S0115	○ 162.11.12V0115
65	○ 162.12.12E0115	○ 162.12.12H0115	● 162.12.12S0115	○ 162.12.12V0115
80	○ 162.14.12E0115	○ 162.14.12H0115	● 162.14.12S0115	○ 162.14.12V0115
100	○ 162.15.12E0115	○ 162.15.12H0115	○ 162.15.12S0115	○ 162.15.12V0115

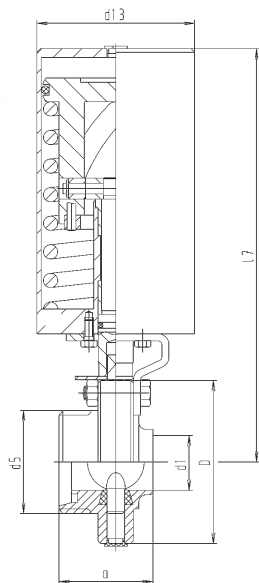
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, DIN 11851 male / weld end (for tub. acc. DIN 11850 line 2) (652N)



DN	a	d1	d5	D	l8	l9	weight (kg)
25	52	26	52x1/6"	87	89	132	1,490
32	53	32	58x1/6"	92	91	132	1,580
40	61	38	65x1/6"	97	94	132	1,780
50	61	50	78x1/6"	110	100	132	2,120
65	63	66	95x1/6"	127	109	132	2,560
80	80	81	110x1/4"	142	124	165	4,620
100	84	100	130x1/4"	162	135	165	5,600
125	112	125	160x1/4"	200	162	216	9,200
150	124	150	190x1/4"	230	177	216	12,200

butterfly valve, male / weld end, air/spr. (NC)(for tub. acc. DIN 11850 line 2) (652N)



DN	a	d1	d5	D	d13	l7	weight (kg)
25	52	26	52x1/6"	87	89	231	4,440
32	53	32	58x1/6"	92	89	234	4,550
40	61	38	65x1/6"	97	89	236	4,740
50	61	50	78x1/6"	110	89	242	5,110
65	63	66	95x1/6"	127	89	251	5,590
80	80	81	110x1/4"	142	89	260	7,280
100	84	100	130x1/4"	162	89	270	8,290
125	112	125	160x1/4"	200	133	369	17,140
150	124	150	190x1/4"	230	133	384	20,200

butterfly valve, DIN 11851 male / weld end (for tub. acc. DIN 11850 line 2) (652N)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
25	161.08.11E.0069	161.08.11H.0069	161.08.11S.0069	161.08.11V.0069
32	161.09.11E.0069	161.09.11H.0069	161.09.11S.0069	161.09.11V.0069
40	161.10.11E.0069	161.10.11H.0069	161.10.11S.0069	161.10.11V.0069
50	161.11.11E.0069	161.11.11H.0069	161.11.11S.0069	161.11.11V.0069
65	161.12.11E.0069	161.12.11H.0069	161.12.11S.0069	161.12.11V.0069
80	161.14.11E.0069	161.14.11H.0069	161.14.11S.0069	161.14.11V.0069
100	161.15.11E.0069	161.15.11H.0069	161.15.11S.0069	161.15.11V.0069
125	161.16.11E.0069	161.16.11H.0069	161.16.11S.0069	161.16.11V.0069
150	161.17.11E.0069	161.17.11H.0069	161.17.11S.0069	161.17.11V.0069

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, DIN 11851 male / weld end (for tub. acc. DIN 11850 line 2) (652N)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
25	161.08.12E.0069	161.08.12H.0069	161.08.12S.0069	161.08.12V.0069
32	161.09.12E.0069	161.09.12H.0069	161.09.12S.0069	161.09.12V.0069
40	161.10.12E.0069	161.10.12H.0069	161.10.12S.0069	161.10.12V.0069
50	161.11.12E.0069	161.11.12H.0069	161.11.12S.0069	161.11.12V.0069
65	161.12.12E.0069	161.12.12H.0069	161.12.12S.0069	161.12.12V.0069
80	161.14.12E.0069	161.14.12H.0069	161.14.12S.0069	161.14.12V.0069
100	161.15.12E.0069	161.15.12H.0069	161.15.12S.0069	161.15.12V.0069
125	161.16.12E.0069	161.16.12H.0069	161.16.12S.0069	161.16.12V.0069
150	161.17.12E.0069	161.17.12H.0069	161.17.12S.0069	161.17.12V.0069

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, male / weld end, air/spr. (NC)(for tub. acc. DIN 11850 line 2) (652N)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
25	162.08.11E.0069	162.08.11H.0069	162.08.11S.0069	162.08.11V.0069
32	162.09.11E.0069	162.09.11H.0069	162.09.11S.0069	162.09.11V.0069
40	162.10.11E.0069	162.10.11H.0069	162.10.11S.0069	162.10.11V.0069
50	162.11.11E.0069	162.11.11H.0069	162.11.11S.0069	162.11.11V.0069
65	162.12.11E.0069	162.12.11H.0069	162.12.11S.0069	162.12.11V.0069
80	162.14.11E.0069	162.14.11H.0069	162.14.11S.0069	162.14.11V.0069
100	162.15.11E.0069	162.15.11H.0069	162.15.11S.0069	162.15.11V.0069
125	162.16.11E.0069	162.16.11H.0069	162.16.11S.0069	162.16.11V.0069
150	162.17.11E.0069	162.17.11H.0069	162.17.11S.0069	162.17.11V.0069

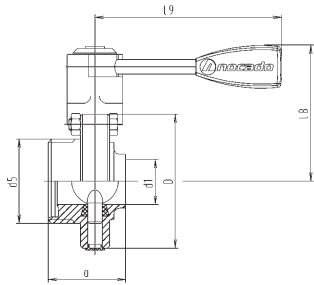
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, male / weld end, air/spr. (NC)(for tub. acc. DIN 11850 line 2) (652N)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
25	162.08.12E.0069	162.08.12H.0069	162.08.12S.0069	162.08.12V.0069
32	162.09.12E.0069	162.09.12H.0069	162.09.12S.0069	162.09.12V.0069
40	162.10.12E.0069	162.10.12H.0069	162.10.12S.0069	162.10.12V.0069
50	162.11.12E.0069	162.11.12H.0069	162.11.12S.0069	162.11.12V.0069
65	162.12.12E.0069	162.12.12H.0069	162.12.12S.0069	162.12.12V.0069
80	162.14.12E.0069	162.14.12H.0069	162.14.12S.0069	162.14.12V.0069
100	162.15.12E.0069	162.15.12H.0069	162.15.12S.0069	162.15.12V.0069
125	162.16.12E.0069	162.16.12H.0069	162.16.12S.0069	162.16.12V.0069
150	162.17.12E.0069	162.17.12H.0069	162.17.12S.0069	162.17.12V.0069

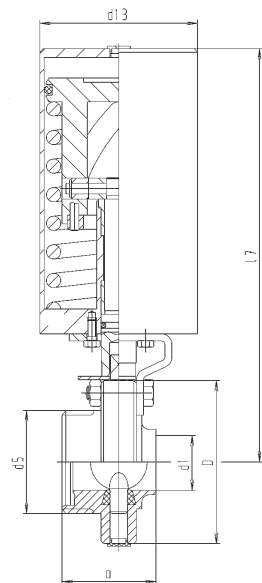
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, DIN 11864 male / weld end (for tubing acc. DIN 11850 line 2) (652N)



DN	a	d1	d5 Rd	D	l8	l9	weight (kg)
25	52	26	52 x 1/6"	87	89	132	1,490
32	53	32	58 x 1/6"	92	91	132	1,580
40	61	38	65 x 1/6"	97	94	132	1,780
50	61	50	78 x 1/6"	110	100	132	2,120
65	63	66	95 x 1/6"	127	109	132	2,560
80	80	81	110 x 1/4"	142	124	165	4,620
100	84	100	130 x 1/4"	162	135	165	5,600

butterfly valve, DIN 11864 male / weld end, air/spr. (NC)(for tub. acc. DIN 11850 line 2)



DN	a	d1	d5 Rd	D	d13	l7	weight (kg)
25	52	26	52 x 1/6"	87	89	231	4,440
32	53	32	58 x 1/6"	92	89	234	4,550
40	61	38	65 x 1/6"	97	89	236	4,740
50	61	50	78 x 1/6"	110	89	242	5,110
65	63	66	95 x 1/6"	127	89	251	5,590
80	80	81	110 x 1/4"	142	89	260	7,280
100	84	100	130 x 1/4"	162	89	270	8,290

butterfly valve, DIN 11864 male / weld end (for tubing acc. DIN 11850 line 2) (652N)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
25	o 161.08.11E.0124	o 161.08.11H.0124	o 161.08.11S.0124	o 161.08.11V.0124
32	o 161.09.11E.0124	o 161.09.11H.0124	o 161.09.11S.0124	o 161.09.11V.0124
40	o 161.10.11E.0124	o 161.10.11H.0124	o 161.10.11S.0124	o 161.10.11V.0124
50	o 161.11.11E.0124	o 161.11.11H.0124	o 161.11.11S.0124	o 161.11.11V.0124
65	o 161.12.11E.0124	o 161.12.11H.0124	o 161.12.11S.0124	o 161.12.11V.0124
80	o 161.14.11E.0124	o 161.14.11H.0124	o 161.14.11S.0124	o 161.14.11V.0124
100	o 161.15.11E.0124	o 161.15.11H.0124	o 161.15.11S.0124	o 161.15.11V.0124

butterfly valve, DIN 11864 male / weld end (for tubing acc. DIN 11850 line 2) (652N)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
25	o 161.08.12E.0124	o 161.08.12H.0124	o 161.08.12S.0124	o 161.08.12V.0124
32	o 161.09.12E.0124	o 161.09.12H.0124	o 161.09.12S.0124	o 161.09.12V.0124
40	o 161.10.12E.0124	o 161.10.12H.0124	o 161.10.12S.0124	o 161.10.12V.0124
50	o 161.11.12E.0124	o 161.11.12H.0124	o 161.11.12S.0124	o 161.11.12V.0124
65	o 161.12.12E.0124	o 161.12.12H.0124	o 161.12.12S.0124	o 161.12.12V.0124
80	o 161.14.12E.0124	o 161.14.12H.0124	o 161.14.12S.0124	o 161.14.12V.0124
100	o 161.15.12E.0124	o 161.15.12H.0124	o 161.15.12S.0124	o 161.15.12V.0124

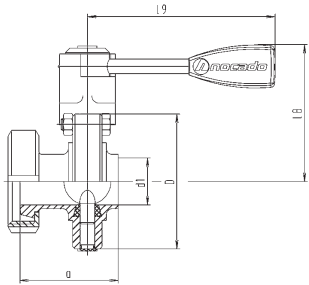
butterfly valve, DIN 11864 male / weld end, air/spr. (NC)(for tub. acc. DIN 11850 line 2)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
25	o 162.08.12E.0124	o 162.08.12H.0124	o 162.08.12S.0124	o 162.08.12V.0124
32	o 162.09.12E.0124	o 162.09.12H.0124	o 162.09.12S.0124	o 162.09.12V.0124
40	o 162.10.12E.0124	o 162.10.12H.0124	o 162.10.12S.0124	o 162.10.12V.0124
50	o 162.11.12E.0124	o 162.11.12H.0124	o 162.11.12S.0124	o 162.11.12V.0124
65	o 162.12.12E.0124	o 162.12.12H.0124	o 162.12.12S.0124	o 162.12.12V.0124
80	o 162.14.12E.0124	o 162.14.12H.0124	o 162.14.12S.0124	o 162.14.12V.0124
100	o 162.15.12E.0124	o 162.15.12H.0124	o 162.15.12S.0124	o 162.15.12V.0124

matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, liner / weld end (for tub. acc. DIN 11850 line 2) (662N)



DN	a	dI	D	I8	I9	weight (kg)
25	62	26	87	89	132	1,640
32	67	32	92	91	132	1,810
40	76	38	97	94	132	2,070
50	78	50	110	100	132	2,670
65	82	66	127	109	132	3,220
80	97	81	142	124	165	5,620
100	108	100	162	135	165	7,360
125	146	125	200	162	216	10,660
150	161	150	230	177	216	13,310

butterfly valve, liner / weld end (for tub. acc. DIN 11850 line 2) (662N)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
25	o 161.08.11E.0070	o 161.08.11H.0070	o 161.08.11S.0070	o 161.08.11V.0070
32	o 161.09.11E.0070	o 161.09.11H.0070	o 161.09.11S.0070	o 161.09.11V.0070
40	o 161.10.11E.0070	o 161.10.11H.0070	o 161.10.11S.0070	o 161.10.11V.0070
50	o 161.11.11E.0070	o 161.11.11H.0070	o 161.11.11S.0070	o 161.11.11V.0070
65	o 161.12.11E.0070	o 161.12.11H.0070	o 161.12.11S.0070	o 161.12.11V.0070
80	o 161.14.11E.0070	o 161.14.11H.0070	o 161.14.11S.0070	o 161.14.11V.0070
100	o 161.15.11E.0070	o 161.15.11H.0070	o 161.15.11S.0070	o 161.15.11V.0070
125	o 161.16.11E.0070	o 161.16.11H.0070	o 161.16.11S.0070	o 161.16.11V.0070
150	o 161.17.11E.0070	o 161.17.11H.0070	o 161.17.11S.0070	o 161.17.11V.0070

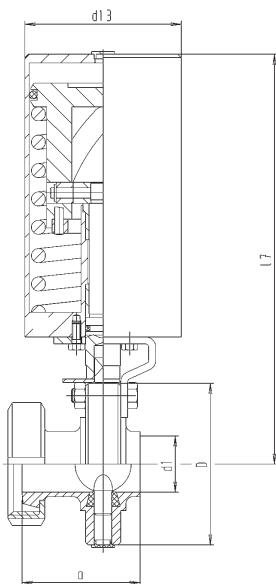
matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, liner / weld end (for tub. acc. DIN 11850 line 2) (662N)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
25	o 161.08.12E.0070	o 161.08.12H.0070	o 161.08.12S.0070	o 161.08.12V.0070
32	o 161.09.12E.0070	o 161.09.12H.0070	o 161.09.12S.0070	o 161.09.12V.0070
40	o 161.10.12E.0070	o 161.10.12H.0070	o 161.10.12S.0070	o 161.10.12V.0070
50	o 161.11.12E.0070	o 161.11.12H.0070	o 161.11.12S.0070	o 161.11.12V.0070
65	o 161.12.12E.0070	o 161.12.12H.0070	o 161.12.12S.0070	o 161.12.12V.0070
80	o 161.14.12E.0070	o 161.14.12H.0070	o 161.14.12S.0070	o 161.14.12V.0070
100	o 161.15.12E.0070	o 161.15.12H.0070	o 161.15.12S.0070	o 161.15.12V.0070
125	o 161.16.12E.0070	o 161.16.12H.0070	o 161.16.12S.0070	o 161.16.12V.0070
150	o 161.17.12E.0070	o 161.17.12H.0070	o 161.17.12S.0070	o 161.17.12V.0070

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, liner / weld end, air/spring (NC) (f. tub. acc. DIN 11850 line 2) (662N)



DN	a	dI	dI3	D	I7	weight (kg)
25	62	26	89	87	231	4,590
32	67	32	89	92	234	4,780
40	76	38	89	97	236	5,030
50	78	50	89	110	242	5,660
65	82	66	89	127	251	6,250
80	97	81	89	142	260	8,280
100	108	100	89	162	270	10,050
125	146	125	133	200	369	18,600
150	161	150	133	230	384	21,310

butterfly valve, liner / weld end, air/spring (NC) (f. tub. acc. DIN 11850 line 2) (662N)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
25	o 162.08.11E.0070	o 162.08.11H.0070	o 162.08.11S.0070	o 162.08.11V.0070
32	o 162.09.11E.0070	o 162.09.11H.0070	o 162.09.11S.0070	o 162.09.11V.0070
40	o 162.10.11E.0070	o 162.10.11H.0070	o 162.10.11S.0070	o 162.10.11V.0070
50	o 162.11.11E.0070	o 162.11.11H.0070	o 162.11.11S.0070	o 162.11.11V.0070
65	o 162.12.11E.0070	o 162.12.11H.0070	o 162.12.11S.0070	o 162.12.11V.0070
80	o 162.14.11E.0070	o 162.14.11H.0070	o 162.14.11S.0070	o 162.14.11V.0070
100	o 162.15.11E.0070	o 162.15.11H.0070	o 162.15.11S.0070	o 162.15.11V.0070
125	o 162.16.11E.0070	o 162.16.11H.0070	o 162.16.11S.0070	o 162.16.11V.0070
150	o 162.17.11E.0070	o 162.17.11H.0070	o 162.17.11S.0070	o 162.17.11V.0070

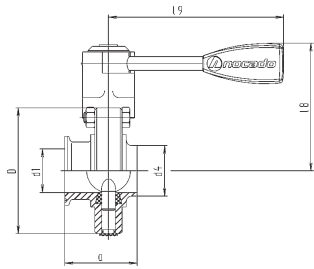
matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, liner / weld end, air/spring (NC) (f. tub. acc. DIN 11850 line 2) (662N)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
25	o 162.08.12E.0070	o 162.08.12H.0070	o 162.08.12S.0070	o 162.08.12V.0070
32	o 162.09.12E.0070	o 162.09.12H.0070	o 162.09.12S.0070	o 162.09.12V.0070
40	o 162.10.12E.0070	o 162.10.12H.0070	o 162.10.12S.0070	o 162.10.12V.0070
50	o 162.11.12E.0070	o 162.11.12H.0070	o 162.11.12S.0070	o 162.11.12V.0070
65	o 162.12.12E.0070	o 162.12.12H.0070	o 162.12.12S.0070	o 162.12.12V.0070
80	o 162.14.12E.0070	o 162.14.12H.0070	o 162.14.12S.0070	o 162.14.12V.0070
100	o 162.15.12E.0070	o 162.15.12H.0070	o 162.15.12S.0070	o 162.15.12V.0070
125	o 162.16.12E.0070	o 162.16.12H.0070	o 162.16.12S.0070	o 162.16.12V.0070
150	o 162.17.12E.0070	o 162.17.12H.0070	o 162.17.12S.0070	o 162.17.12V.0070

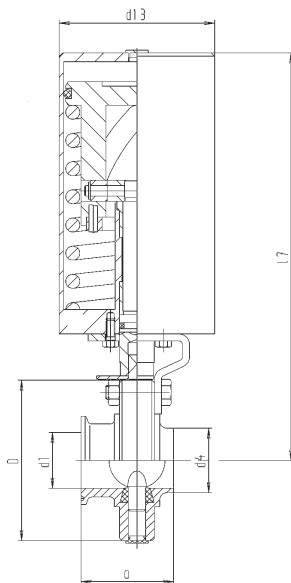
matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, clamp/ weld end (for tub. acc. DIN 11850 line 2) (642N)



DN	a	d1	d4	D	l8	l9	weight (kg)
25	52	26	29	87	89	132	1,380
32	53	32	35	92	91	132	1,480
40	61	38	41	97	94	132	1,570
50	61	50	53	110	100	132	1,870
65	63	66	70	127	109	132	2,280
80	80	81	85	142	124	165	4,150
100	84	100	104	162	135	165	5,020

butterfly valve, clamp/ weld end, air/spring (NC) (for tub. acc. DIN 11850 line 2) (642N)



DN	a	d1	d4	D	d13	l7	weight (kg)
25	52	26	29	87	89	231	4,330
32	53	32	35	92	89	234	4,450
40	61	38	41	97	89	236	4,530
50	61	50	53	110	89	242	4,860
65	63	66	70	127	89	251	5,310
80	80	81	85	142	89	260	6,810
100	84	100	104	162	89	270	7,710

butterfly valve, clamp/ weld end (for tub. acc. DIN 11850 line 2) (642N)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
25	o 161.08.11E.0074	o 161.08.11H.0074	o 161.08.11S.0074	o 161.08.11V.0074
32	o 161.09.11E.0074	o 161.09.11H.0074	o 161.09.11S.0074	o 161.09.11V.0074
40	o 161.10.11E.0074	o 161.10.11H.0074	o 161.10.11S.0074	o 161.10.11V.0074
50	o 161.11.11E.0074	o 161.11.11H.0074	o 161.11.11S.0074	o 161.11.11V.0074
65	o 161.12.11E.0074	o 161.12.11H.0074	o 161.12.11S.0074	o 161.12.11V.0074
80	o 161.14.11E.0074	o 161.14.11H.0074	o 161.14.11S.0074	o 161.14.11V.0074
100	o 161.15.11E.0074	o 161.15.11H.0074	o 161.15.11S.0074	o 161.15.11V.0074

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, clamp/ weld end (for tub. acc. DIN 11850 line 2) (642N)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
25	o 161.08.12E.0074	o 161.08.12H.0074	o 161.08.12S.0074	o 161.08.12V.0074
32	o 161.09.12E.0074	o 161.09.12H.0074	o 161.09.12S.0074	o 161.09.12V.0074
40	o 161.10.12E.0074	o 161.10.12H.0074	o 161.10.12S.0074	o 161.10.12V.0074
50	o 161.11.12E.0074	o 161.11.12H.0074	o 161.11.12S.0074	o 161.11.12V.0074
65	o 161.12.12E.0074	o 161.12.12H.0074	o 161.12.12S.0074	o 161.12.12V.0074
80	o 161.14.12E.0074	o 161.14.12H.0074	o 161.14.12S.0074	o 161.14.12V.0074
100	o 161.15.12E.0074	o 161.15.12H.0074	o 161.15.12S.0074	o 161.15.12V.0074

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, clamp/ weld end, air/spring (NC) (for tub. acc. DIN 11850 line 2) (642N)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
25	o 162.08.11E.0074	o 162.08.11H.0074	o 162.08.11S.0074	o 162.08.11V.0074
32	o 162.09.11E.0074	o 162.09.11H.0074	o 162.09.11S.0074	o 162.09.11V.0074
40	o 162.10.11E.0074	o 162.10.11H.0074	o 162.10.11S.0074	o 162.10.11V.0074
50	o 162.11.11E.0074	o 162.11.11H.0074	o 162.11.11S.0074	o 162.11.11V.0074
65	o 162.12.11E.0074	o 162.12.11H.0074	o 162.12.11S.0074	o 162.12.11V.0074
80	o 162.14.11E.0074	o 162.14.11H.0074	o 162.14.11S.0074	o 162.14.11V.0074
100	o 162.15.11E.0074	o 162.15.11H.0074	o 162.15.11S.0074	o 162.15.11V.0074

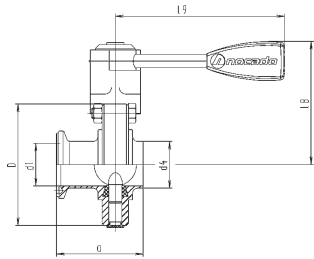
matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, clamp/ weld end, air/spring (NC) (for tub. acc. DIN 11850 line 2) (642N)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
25	o 162.08.12E.0074	o 162.08.12H.0074	o 162.08.12S.0074	o 162.08.12V.0074
32	o 162.09.12E.0074	o 162.09.12H.0074	o 162.09.12S.0074	o 162.09.12V.0074
40	o 162.10.12E.0074	o 162.10.12H.0074	o 162.10.12S.0074	o 162.10.12V.0074
50	o 162.11.12E.0074	o 162.11.12H.0074	o 162.11.12S.0074	o 162.11.12V.0074
65	o 162.12.12E.0074	o 162.12.12H.0074	o 162.12.12S.0074	o 162.12.12V.0074
80	o 162.14.12E.0074	o 162.14.12H.0074	o 162.14.12S.0074	o 162.14.12V.0074
100	o 162.15.12E.0074	o 162.15.12H.0074	o 162.15.12S.0074	o 162.15.12V.0074

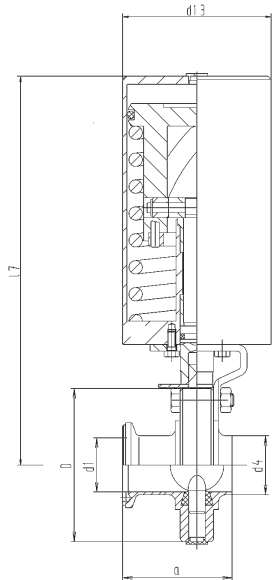
matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, DIN 11864, clamp/ weld end (for tub. acc. DIN 11850 line 2)



DN	a	d1	d4	D	l8	l9	weight (kg)
25	63	26	29	87	89	132	1,410
32	65	32	35	92	91	132	1,480
40	73	38	41	97	94	132	1,568
50	73	50	53	110	100	132	1,870
65	79	66	70	127	109	132	2,342
80	89	81	85	142	124	165	4,178
100	93	100	104	162	135	165	5,024

butterfly valve, DIN 11864, clamp/ weld end, air/spr. (NC)(for tub. acc. DIN 11850 line 2)



DN	a	d1	d4	D	d13	l7	weight (kg)
25	63	26	29	87	89	231	4,360
32	65	32	35	92	89	234	4,380
40	73	38	41	97	89	236	4,528
50	73	50	53	110	89	242	4,860
65	79	66	70	127	89	251	5,372
80	89	81	85	142	89	260	6,838
100	93	100	104	162	89	270	7,684

butterfly valve, DIN 11864, clamp/ weld end (for tub. acc. DIN 11850 line 2)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
25	o 161.08.11E.0129	o 161.08.11H.0129	o 161.08.11S.0129	o 161.08.11V.0129
32	o 161.09.11E.0129	o 161.09.11H.0129	o 161.09.11S.0129	o 161.09.11V.0129
40	o 161.10.11E.0129	o 161.10.11H.0129	o 161.10.11S.0129	o 161.10.11V.0129
50	o 161.11.11E.0129	o 161.11.11H.0129	o 161.11.11S.0129	o 161.11.11V.0129
65	o 161.12.11E.0129	o 161.12.11H.0129	o 161.12.11S.0129	o 161.12.11V.0129
80	o 161.14.11E.0129	o 161.14.11H.0129	o 161.14.11S.0129	o 161.14.11V.0129
100	o 161.15.11E.0129	o 161.15.11H.0129	o 161.15.11S.0129	o 161.15.11V.0129

butterfly valve, DIN 11864, clamp/ weld end (for tub. acc. DIN 11850 line 2)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
25	o 161.08.12E.0129	o 161.08.12H.0129	o 161.08.12S.0129	o 161.08.12V.0129
32	o 161.09.12E.0129	o 161.09.12H.0129	o 161.09.12S.0129	o 161.09.12V.0129
40	o 161.10.12E.0129	o 161.10.12H.0129	o 161.10.12S.0129	o 161.10.12V.0129
50	o 161.11.12E.0129	o 161.11.12H.0129	o 161.11.12S.0129	o 161.11.12V.0129
65	o 161.12.12E.0129	o 161.12.12H.0129	o 161.12.12S.0129	o 161.12.12V.0129
80	o 161.14.12E.0129	o 161.14.12H.0129	o 161.14.12S.0129	o 161.14.12V.0129
100	o 161.15.12E.0129	o 161.15.12H.0129	o 161.15.12S.0129	o 161.15.12V.0129

butterfly valve, DIN 11864, clamp/ weld end, air/spr. (NC)(for tub. acc. DIN 11850 line 2)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
25	o 162.08.11E.0129	o 162.08.11H.0129	o 162.08.11S.0129	o 162.08.11V.0129
32	o 162.09.11E.0129	o 162.09.11H.0129	o 162.09.11S.0129	o 162.09.11V.0129
40	o 162.10.11E.0129	o 162.10.11H.0129	o 162.10.11S.0129	o 162.10.11V.0129
50	o 162.11.11E.0129	o 162.11.11H.0129	o 162.11.11S.0129	o 162.11.11V.0129
65	o 162.12.11E.0129	o 162.12.11H.0129	o 162.12.11S.0129	o 162.12.11V.0129
80	o 162.14.11E.0129	o 162.14.11H.0129	o 162.14.11S.0129	o 162.14.11V.0129
100	o 162.15.11E.0129	o 162.15.11H.0129	o 162.15.11S.0129	o 162.15.11V.0129

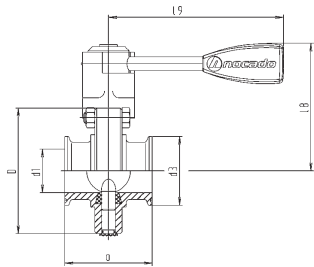
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, DIN 11864, clamp/ weld end, air/spr. (NC)(for tub. acc. DIN 11850 line 2)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
25	o 162.08.12E.0129	o 162.08.12H.0129	o 162.08.12S.0129	o 162.08.12V.0129
32	o 162.09.12E.0129	o 162.09.12H.0129	o 162.09.12S.0129	o 162.09.12V.0129
40	o 162.10.12E.0129	o 162.10.12H.0129	o 162.10.12S.0129	o 162.10.12V.0129
50	o 162.11.12E.0129	o 162.11.12H.0129	o 162.11.12S.0129	o 162.11.12V.0129
65	o 162.12.12E.0129	o 162.12.12H.0129	o 162.12.12S.0129	o 162.12.12V.0129
80	o 162.14.12E.0129	o 162.14.12H.0129	o 162.14.12S.0129	o 162.14.12V.0129
100	o 162.15.12E.0129	o 162.15.12H.0129	o 162.15.12S.0129	o 162.15.12V.0129

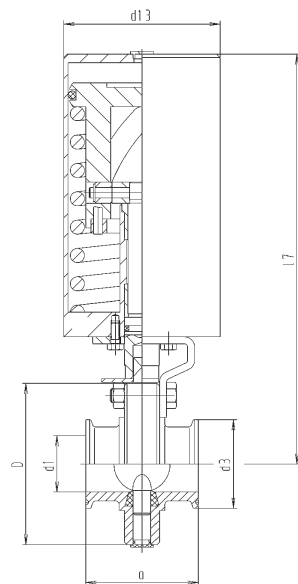
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, clamp/clamp, DIN (644)



DN	a	d1	d3	D	l8	l9	weight (kg)
25	64	26	50,5	87	89	132	1,450
32	64	32	50,5	92	91	132	1,550
40	72	38	50,5	97	94	132	1,620
50	72	50	64	110	100	132	1,940
65	76	66	91	127	109	132	2,380
80	100	81	106	142	124	165	4,350
100	104	100	119	162	135	165	5,240

butterfly valve, clamp/clamp, air/spring (NC), DIN (644)



DN	a	d1	d3	D	d13	l7	weight (kg)
25	64	26	50,5	87	89	231	4,400
32	64	32	50,5	92	89	234	4,520
40	72	38	50,5	97	89	236	4,580
50	72	50	64	110	89	242	4,930
65	76	66	91	127	89	251	5,410
80	100	81	106	142	89	260	7,010
100	104	100	119	162	89	270	7,930

butterfly valve, clamp/clamp, DIN (644)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
25	● 161.08.11E.0024	● 161.08.11H.0024	● 161.08.11S.0024	● 161.08.11V.0024
32	○ 161.09.11E.0024	○ 161.09.11H.0024	○ 161.09.11S.0024	○ 161.09.11V.0024
40	● 161.10.11E.0024	● 161.10.11H.0024	● 161.10.11S.0024	● 161.10.11V.0024
50	● 161.11.11E.0024	● 161.11.11H.0024	● 161.11.11S.0024	● 161.11.11V.0024
65	● 161.12.11E.0024	● 161.12.11H.0024	● 161.12.11S.0024	● 161.12.11V.0024
80	● 161.14.11E.0024	● 161.14.11H.0024	● 161.14.11S.0024	● 161.14.11V.0024
100	● 161.15.11E.0024	● 161.15.11H.0024	● 161.15.11S.0024	● 161.15.11V.0024

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, clamp/clamp, DIN (644)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
25	● 161.08.12E.0024	● 161.08.12H.0024	● 161.08.12S.0024	● 161.08.12V.0024
32	○ 161.09.12E.0024	○ 161.09.12H.0024	○ 161.09.12S.0024	○ 161.09.12V.0024
40	● 161.10.12E.0024	● 161.10.12H.0024	● 161.10.12S.0024	● 161.10.12V.0024
50	● 161.11.12E.0024	● 161.11.12H.0024	● 161.11.12S.0024	● 161.11.12V.0024
65	● 161.12.12E.0024	● 161.12.12H.0024	● 161.12.12S.0024	● 161.12.12V.0024
80	● 161.14.12E.0024	● 161.14.12H.0024	● 161.14.12S.0024	● 161.14.12V.0024
100	● 161.15.12E.0024	● 161.15.12H.0024	● 161.15.12S.0024	● 161.15.12V.0024

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, clamp/clamp, air/spring (NC), DIN (644)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
25	● 162.08.11E.0024	● 162.08.11H.0024	● 162.08.11S.0024	● 162.08.11V.0024
32	○ 162.09.11E.0024	○ 162.09.11H.0024	○ 162.09.11S.0024	○ 162.09.11V.0024
40	● 162.10.11E.0024	● 162.10.11H.0024	● 162.10.11S.0024	● 162.10.11V.0024
50	● 162.11.11E.0024	● 162.11.11H.0024	● 162.11.11S.0024	● 162.11.11V.0024
65	● 162.12.11E.0024	● 162.12.11H.0024	● 162.12.11S.0024	● 162.12.11V.0024
80	● 162.14.11E.0024	● 162.14.11H.0024	● 162.14.11S.0024	● 162.14.11V.0024
100	● 162.15.11E.0024	● 162.15.11H.0024	● 162.15.11S.0024	● 162.15.11V.0024

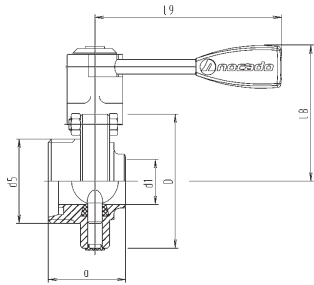
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, clamp/clamp, air/spring (NC), DIN (644)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
25	● 162.08.12E.0024	● 162.08.12H.0024	● 162.08.12S.0024	● 162.08.12V.0024
32	○ 162.09.12E.0024	○ 162.09.12H.0024	○ 162.09.12S.0024	○ 162.09.12V.0024
40	● 162.10.12E.0024	● 162.10.12H.0024	● 162.10.12S.0024	● 162.10.12V.0024
50	● 162.11.12E.0024	● 162.11.12H.0024	● 162.11.12S.0024	● 162.11.12V.0024
65	● 162.12.12E.0024	● 162.12.12H.0024	● 162.12.12S.0024	● 162.12.12V.0024
80	● 162.14.12E.0024	● 162.14.12H.0024	● 162.14.12S.0024	● 162.14.12V.0024
100	● 162.15.12E.0024	● 162.15.12H.0024	● 162.15.12S.0024	● 162.15.12V.0024

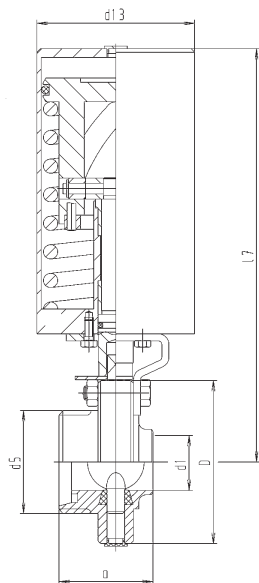
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, DIN 11851 male / weld end, (acc.din 11850) (652)



DN	a	d1	d5	D	l8	l9	weight (kg)
25	52	26	52x1/6"	87	89	132	1,490
32	53	32	58x1/6"	92	91	132	1,580
40	61	38	65x1/6"	97	94	132	1,780
50	61	50	78x1/6"	110	100	132	2,120
65	63	66	95x1/6"	127	109	132	2,560
80	80	81	110x1/4"	142	124	165	4,620
100	84	100	130x1/4"	162	135	165	5,600
125	112	125	160x1/4"	200	162	216	9,200
150	124	150	190x1/4"	230	177	216	12,200

butterfly valve, male / weld end, air/spring (NC) (for tubing acc.din 11850)



DN	a	d1	d5	D	d13	l7	weight (kg)
25	52	26	52x1/6"	87	89	231	4,440
32	53	32	58x1/6"	92	89	234	4,550
40	61	38	65x1/6"	97	89	236	4,740
50	61	50	78x1/6"	110	89	242	5,110
65	63	66	95x1/6"	127	89	251	5,590
80	80	81	110x1/4"	142	89	260	7,280
100	84	100	130x1/4"	162	89	270	8,290
125	112	125	160x1/4"	200	133	369	17,140
150	124	150	190x1/4"	230	133	384	20,200

butterfly valve, DIN 11851 male / weld end, (acc.din 11850) (652)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
25	● 161.08.11E.0004	● 161.08.11H.0004	● 161.08.11S.0004	● 161.08.11V.0004
32	● 161.09.11E.0004	● 161.09.11H.0004	● 161.09.11S.0004	● 161.09.11V.0004
40	● 161.10.11E.0004	● 161.10.11H.0004	● 161.10.11S.0004	● 161.10.11V.0004
50	● 161.11.11E.0004	● 161.11.11H.0004	● 161.11.11S.0004	● 161.11.11V.0004
65	● 161.12.11E.0004	● 161.12.11H.0004	● 161.12.11S.0004	● 161.12.11V.0004
80	● 161.14.11E.0004	● 161.14.11H.0004	● 161.14.11S.0004	● 161.14.11V.0004
100	● 161.15.11E.0004	● 161.15.11H.0004	● 161.15.11S.0004	● 161.15.11V.0004
125	○ 161.16.11E.0004	○ 161.16.11H.0004	○ 161.16.11S.0004	○ 161.16.11V.0004
150	○ 161.17.11E.0004	○ 161.17.11H.0004	○ 161.17.11S.0004	○ 161.17.11V.0004

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, DIN 11851 male / weld end, (acc.din 11850) (652)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
25	● 161.08.12E.0004	● 161.08.12H.0004	● 161.08.12S.0004	● 161.08.12V.0004
32	● 161.09.12E.0004	● 161.09.12H.0004	● 161.09.12S.0004	● 161.09.12V.0004
40	● 161.10.12E.0004	● 161.10.12H.0004	● 161.10.12S.0004	● 161.10.12V.0004
50	● 161.11.12E.0004	● 161.11.12H.0004	● 161.11.12S.0004	● 161.11.12V.0004
65	● 161.12.12E.0004	● 161.12.12H.0004	● 161.12.12S.0004	● 161.12.12V.0004
80	● 161.14.12E.0004	● 161.14.12H.0004	● 161.14.12S.0004	● 161.14.12V.0004
100	● 161.15.12E.0004	● 161.15.12H.0004	● 161.15.12S.0004	● 161.15.12V.0004
125	○ 161.16.12E.0004	○ 161.16.12H.0004	○ 161.16.12S.0004	○ 161.16.12V.0004
150	○ 161.17.12E.0004	○ 161.17.12H.0004	○ 161.17.12S.0004	○ 161.17.12V.0004

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, male / weld end, air/spring (NC) (for tubing acc.din 11850)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
25	● 162.08.11E.0004	● 162.08.11H.0004	● 162.08.11S.0004	● 162.08.11V.0004
32	● 162.09.11E.0004	● 162.09.11H.0004	● 162.09.11S.0004	● 162.09.11V.0004
40	● 162.10.11E.0004	● 162.10.11H.0004	● 162.10.11S.0004	● 162.10.11V.0004
50	● 162.11.11E.0004	● 162.11.11H.0004	● 162.11.11S.0004	● 162.11.11V.0004
65	● 162.12.11E.0004	● 162.12.11H.0004	● 162.12.11S.0004	● 162.12.11V.0004
80	● 162.14.11E.0004	● 162.14.11H.0004	● 162.14.11S.0004	● 162.14.11V.0004
100	● 162.15.11E.0004	● 162.15.11H.0004	● 162.15.11S.0004	● 162.15.11V.0004
125	○ 162.16.11E.0004	○ 162.16.11H.0004	○ 162.16.11S.0004	○ 162.16.11V.0004
150	○ 162.17.11E.0004	○ 162.17.11H.0004	○ 162.17.11S.0004	○ 162.17.11V.0004

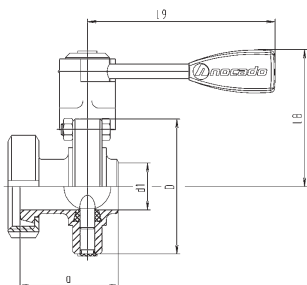
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, male / weld end, air/spring (NC) (for tubing acc.din 11850)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
25	● 162.08.12E.0004	● 162.08.12H.0004	● 162.08.12S.0004	● 162.08.12V.0004
32	● 162.09.12E.0004	● 162.09.12H.0004	● 162.09.12S.0004	● 162.09.12V.0004
40	● 162.10.12E.0004	● 162.10.12H.0004	● 162.10.12S.0004	● 162.10.12V.0004
50	● 162.11.12E.0004	● 162.11.12H.0004	● 162.11.12S.0004	● 162.11.12V.0004
65	● 162.12.12E.0004	● 162.12.12H.0004	● 162.12.12S.0004	● 162.12.12V.0004
80	● 162.14.12E.0004	● 162.14.12H.0004	● 162.14.12S.0004	● 162.14.12V.0004
100	● 162.15.12E.0004	● 162.15.12H.0004	● 162.15.12S.0004	● 162.15.12V.0004
125	○ 162.16.12E.0004	○ 162.16.12H.0004	○ 162.16.12S.0004	○ 162.16.12V.0004
150	○ 162.17.12E.0004	○ 162.17.12H.0004	○ 162.17.12S.0004	○ 162.17.12V.0004

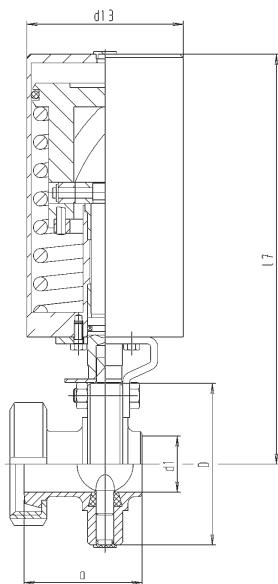
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, liner / weld end (acc.din 11850) (662N)



DN	a	dI	D	I8	I9	weight (kg)
25	62	26	87	89	132	1,640
32	67	32	92	91	132	1,810
40	76	38	97	94	132	2,070
50	78	50	110	100	132	2,670
65	82	66	127	109	132	3,220
80	97	81	142	124	165	5,620
100	108	100	162	135	165	7,360
125	146	125	200	162	216	10,660
150	161	150	230	177	216	13,310

butterfly valve, liner / weld end, air/spring (NC)(acc. DIN 11850)



DN	a	dI	D	dI3	I7	weight (kg)
25	62	26	87	89	231	4,590
32	67	32	92	89	234	4,780
40	76	38	97	89	236	5,030
50	78	50	110	89	242	5,660
65	82	66	127	89	251	6,250
80	97	81	142	89	260	8,280
100	108	100	162	89	270	10,050
125	146	125	200	133	369	16,600
150	161	150	230	133	384	23,310

butterfly valve, liner / weld end (acc.din 11850)
(662N)

	304 EPDM polished	304 HNBR polished	304 MVQ polished	304 FPM polished
DN	Ident number	Ident number	Ident number	Ident number
25	● 161.08.11V.0022	● 161.09.11H.0022	● 161.08.11S.0022	● 161.08.11V.0022
32	● 161.09.11E.0022	● 161.09.11H.0022	● 161.09.11S.0022	● 161.09.11V.0022
40	● 161.10.11E.0022	● 161.10.11H.0022	● 161.10.11S.0022	● 161.10.11V.0022
50	● 161.11.11E.0022	● 161.11.11H.0022	● 161.11.11S.0022	● 161.11.11V.0022
65	● 161.12.11E.0022	● 161.12.11H.0022	● 161.12.11S.0022	● 161.12.11V.0022
80	● 161.14.11E.0022	● 161.14.11H.0022	● 161.14.11S.0022	● 161.14.11V.0022
100	● 161.15.11E.0022	● 161.15.11H.0022	● 161.15.11S.0022	● 161.15.11V.0022
125	○ 161.16.11E.0022	○ 161.16.11H.0022	○ 161.16.11S.0022	○ 161.16.11V.0022
150	○ 161.17.11E.0022	○ 161.17.11H.0022	○ 161.17.11S.0022	○ 161.17.11V.0022

mat. finish: at 6th position use a digit 2 in the ident number

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, liner / weld end (acc.din 11850)
(662N)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
25	● 161.08.12E.0022	● 161.08.12H.0022	● 161.08.12S.0022	● 161.08.12V.0022
32	● 161.09.12E.0022	● 161.09.12H.0022	● 161.09.12S.0022	● 161.09.12V.0022
40	● 161.10.12E.0022	● 161.10.12H.0022	● 161.10.12S.0022	● 161.10.12V.0022
50	● 161.11.12E.0022	● 161.11.12H.0022	● 161.11.12S.0022	● 161.11.12V.0022
65	● 161.12.12E.0022	● 161.12.12H.0022	● 161.12.12S.0022	● 161.12.12V.0022
80	● 161.14.12E.0022	● 161.14.12H.0022	● 161.14.12S.0022	● 161.14.12V.0022
100	● 161.15.12E.0022	● 161.15.12H.0022	● 161.15.12S.0022	● 161.15.12V.0022
125	○ 161.16.12E.0022	○ 161.16.12H.0022	○ 161.16.12S.0022	○ 161.16.12V.0022
150	○ 161.17.12E.0022	○ 161.17.12H.0022	○ 161.17.12S.0022	○ 161.17.12V.0022

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, liner / weld end, air/spring (NC)(acc.
DIN 11850)

	304 EPDM polished	304 HNBR polished	304 MVQ polished	304 FPM polished
DN	Ident number	Ident number	Ident number	Ident number
25	● 162.08.11E.0022	● 162.08.11H.0022	● 162.08.11S.0022	● 162.08.11V.0022
32	● 162.09.11E.0022	● 162.09.11H.0022	● 162.09.11S.0022	● 162.09.11V.0022
40	● 162.10.11E.0022	● 162.10.11H.0022	● 162.10.11S.0022	● 162.10.11V.0022
50	● 162.11.11E.0022	● 162.11.11H.0022	● 162.11.11S.0022	● 162.11.11V.0022
65	● 162.12.11E.0022	● 162.12.11H.0022	● 162.12.11S.0022	● 162.12.11V.0022
80	● 162.14.11E.0022	● 162.14.11H.0022	● 162.14.11S.0022	● 162.14.11V.0022
100	● 162.15.11E.0022	● 162.15.11H.0022	● 162.15.11S.0022	● 162.15.11V.0022
125	○ 162.16.11E.0022	○ 162.16.11H.0022	○ 162.16.11S.0022	○ 162.16.11V.0022
150	○ 162.17.11E.0022	○ 162.17.11H.0022	○ 162.17.11S.0022	○ 162.17.11V.0022

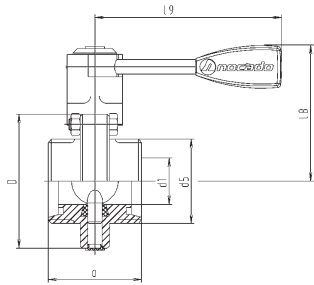
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, liner / weld end, air/spring (NC)(acc.
DIN 11850)

	316 L EPDM polished	316 L HNBR polished	316 L MVQ polished	316 L FPM polished
DN	Ident number	Ident number	Ident number	Ident number
25	● 162.08.12E.0022	● 162.08.12H.0022	● 162.08.12S.0022	● 162.08.12V.0022
32	● 162.09.12E.0022	● 162.09.12H.0022	● 162.09.12S.0022	● 162.09.12V.0022
40	● 162.10.12E.0022	● 162.10.12H.0022	● 162.10.12S.0022	● 162.10.12V.0022
50	● 162.11.12E.0022	● 162.11.12H.0022	● 162.11.12S.0022	● 162.11.12V.0022
65	● 162.12.12E.0022	● 162.12.12H.0022	● 162.12.12S.0022	● 162.12.12V.0022
80	● 162.14.12E.0022	● 162.14.12H.0022	● 162.14.12S.0022	● 162.14.12V.0022
100	● 162.15.12E.0022	● 162.15.12H.0022	● 162.15.12S.0022	● 162.15.12V.0022
125	○ 162.16.12E.0022	○ 162.16.12H.0022	○ 162.16.12S.0022	○ 162.16.12V.0022
150	○ 162.17.12E.0022	○ 162.17.12H.0022	○ 162.17.12S.0022	○ 162.17.12V.0022

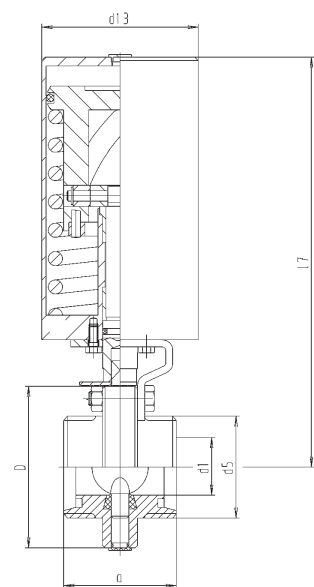
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, DIN 11851 male /male inside dia. acc. DIN 11850 (655)



DN	a	d1	d5	D	l8	l9	weight (kg)
20	64	20	44x1/6"	87	89	102	1,650
25	64	26	52x1/6"	87	89	132	1,650
32	64	32	58x1/6"	92	91	132	1,750
40	72	38	65x1/6"	97	94	132	2,020
50	72	50	78x1/6"	110	100	132	2,400
65	76	66	95x1/6"	127	109	132	3,050
80	100	81	110x1/4"	142	124	165	5,150
100	104	100	130x1/4"	162	135	165	6,500
125	112	125	160x1/4"	200	162	216	10,200
150	124	150	190x1/4"	230	177	216	13,900

butterfly valve, DIN 11851 male /male, air/spring (NC) inside dia. acc. DIN 11850



DN	a	d1	d5	D	d13	l7	weight (kg)
20	64	20	44x1/6"	87	89	231	4,600
25	64	26	52x1/6"	87	89	231	4,600
32	64	32	58x1/6"	92	89	234	4,720
40	72	38	65x1/6"	97	89	236	4,980
50	72	50	78x1/6"	110	89	242	5,390
65	76	66	95x1/6"	127	89	251	6,080
80	100	81	110x1/4"	142	89	260	7,810
100	104	100	130x1/4"	162	89	270	9,190
125	112	125	160x1/4"	200	133	369	18,140
150	124	150	190x1/4"	230	133	384	21,900

butterfly valve, DIN 11851 male /male inside dia. acc. DIN 11850 (655)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
20	○ 161.07.11E.0010	○ 161.07.11H.0010	○ 161.07.11S.0010	○ 161.07.11V.0010
25	● 161.08.11E.0010	● 161.08.11H.0010	● 161.08.11S.0010	● 161.08.11V.0010
32	● 161.09.11E.0010	● 161.09.11H.0010	● 161.09.11S.0010	● 161.09.11V.0010
40	● 161.10.11E.0010	● 161.10.11H.0010	● 161.10.11S.0010	● 161.10.11V.0010
50	● 161.11.11E.0010	● 161.11.11H.0010	● 161.11.11S.0010	● 161.11.11V.0010
65	● 161.12.11E.0010	● 161.12.11H.0010	● 161.12.11S.0010	● 161.12.11V.0010
80	● 161.14.11E.0010	● 161.14.11H.0010	● 161.14.11S.0010	● 161.14.11V.0010
100	● 161.15.11E.0010	● 161.15.11H.0010	● 161.15.11S.0010	● 161.15.11V.0010
125	○ 161.16.11E.0010	○ 161.16.11H.0010	○ 161.16.11S.0010	○ 161.16.11V.0010
150	○ 161.17.11E.0010	○ 161.17.11H.0010	○ 161.17.11S.0010	○ 161.17.11V.0010

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, DIN 11851 male /male inside dia. acc. DIN 11850 (655)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
20	○ 161.07.12E.0010	○ 161.07.12H.0010	○ 161.07.12S.0010	○ 161.07.12V.0010
25	● 161.08.12E.0010	● 161.08.12H.0010	● 161.08.12S.0010	● 161.08.12V.0010
32	● 161.09.12E.0010	● 161.09.12H.0010	● 161.09.12S.0010	● 161.09.12V.0010
40	● 161.10.12E.0010	● 161.10.12H.0010	● 161.10.12S.0010	● 161.10.12V.0010
50	● 161.11.12E.0010	● 161.11.12H.0010	● 161.11.12S.0010	● 161.11.12V.0010
65	● 161.12.12E.0010	● 161.12.12H.0010	● 161.12.12S.0010	● 161.12.12V.0010
80	● 161.14.12E.0010	● 161.14.12H.0010	● 161.14.12S.0010	● 161.14.12V.0010
100	● 161.15.12E.0010	● 161.15.12H.0010	● 161.15.12S.0010	● 161.15.12V.0010
125	○ 161.16.12E.0010	○ 161.16.12H.0010	○ 161.16.12S.0010	○ 161.16.12V.0010
150	○ 161.17.12E.0010	○ 161.17.12H.0010	○ 161.17.12S.0010	○ 161.17.12V.0010

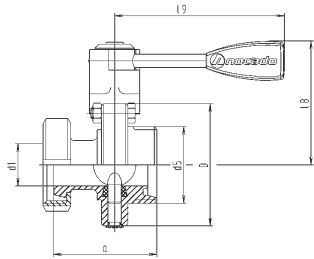
matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, DIN 11851 male /male, air/spring (NC) inside dia. acc. DIN 11850

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
20	○ 162.07.11E.0010	○ 162.07.11H.0010	○ 162.07.11S.0010	○ 162.07.11V.0010
25	● 162.08.11E.0010	● 162.08.11H.0010	● 162.08.11S.0010	● 162.08.11V.0010
32	● 162.09.11E.0010	● 162.09.11H.0010	● 162.09.11S.0010	● 162.09.11V.0010
40	● 162.10.11E.0010	● 162.10.11H.0010	● 162.10.11S.0010	● 162.10.11V.0010
50	● 162.11.11E.0010	● 162.11.11H.0010	● 162.11.11S.0010	● 162.11.11V.0010
65	● 162.12.11E.0010	● 162.12.11H.0010	● 162.12.11S.0010	● 162.12.11V.0010
80	● 162.14.11E.0010	● 162.14.11H.0010	● 162.14.11S.0010	● 162.14.11V.0010
100	● 162.15.11E.0010	● 162.15.11H.0010	● 162.15.11S.0010	● 162.15.11V.0010
125	○ 162.16.11E.0010	○ 162.16.11H.0010	○ 162.16.11S.0010	○ 162.16.11V.0010
150	○ 162.17.11E.0010	○ 162.17.11H.0010	○ 162.17.11S.0010	○ 162.17.11V.0010

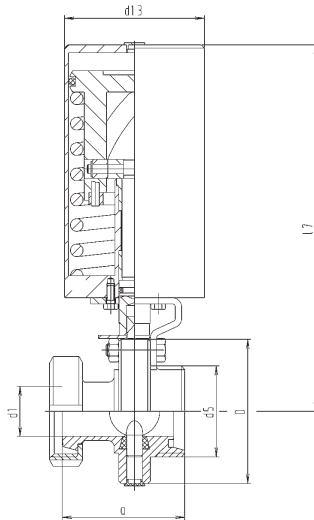
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, DIN 11851 male /liner, inside dia. acc. DIN 11850 (656)



DN	a	d1	d5	D	l8	l9	weight (kg)
20	70	20	44x1/6"	87	89	102	1,760
25	74	26	52x1/6"	87	89	132	1,760
32	78	32	58x1/6"	92	91	132	1,900
40	87	38	65x1/6"	97	94	132	2,180
50	89	50	78x1/6"	110	100	132	2,650
65	95	66	95x1/6"	127	109	132	3,410
80	117	81	110x1/4"	142	124	165	5,620
100	128	100	130x1/4"	162	135	165	7,100
125	146	125	160x1/4"	200	162	216	11,400
150	161	150	190x1/4"	230	177	216	15,600

butterfly valve, DIN 11851 male /liner, air/spr. (NC), inside dia. acc. DIN 11850 (656)



DN	a	d1	d5	D	d13	l7	weight (kg)
20	70	20	44x1/6"	87	89	231	4,710
25	74	26	52x1/6"	87	89	231	4,710
32	78	32	58x1/6"	92	89	234	4,870
40	87	38	65x1/6"	97	89	236	5,140
50	89	50	78x1/6"	110	89	242	5,640
65	95	66	95x1/6"	127	89	251	6,640
80	117	81	110x1/4"	142	89	260	8,280
100	128	100	130x1/4"	162	89	270	9,790
125	146	125	160x1/4"	200	133	369	19,340
150	161	150	190x1/4"	230	133	384	23,600

butterfly valve, DIN 11851 male /liner, inside dia. acc. DIN 11850 (656)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
20	○ 161.07.11E.0020	○ 161.07.11H.0020	○ 161.07.11S.0020	○ 161.07.11V.0020
25	● 161.08.11E.0020	● 161.08.11H.0020	● 161.08.11S.0020	● 161.08.11V.0020
32	● 161.09.11E.0020	● 161.09.11H.0020	● 161.09.11S.0020	● 161.09.11V.0020
40	● 161.10.11E.0020	● 161.10.11H.0020	● 161.10.11S.0020	● 161.10.11V.0020
50	● 161.11.11E.0020	● 161.11.11H.0020	● 161.11.11S.0020	● 161.11.11V.0020
65	● 161.12.11E.0020	● 161.12.11H.0020	● 161.12.11S.0020	● 161.12.11V.0020
80	● 161.14.11E.0020	● 161.14.11H.0020	● 161.14.11S.0020	● 161.14.11V.0020
100	● 161.15.11E.0020	● 161.15.11H.0020	● 161.15.11S.0020	● 161.15.11V.0020
125	○ 161.16.11E.0020	○ 161.16.11H.0020	○ 161.16.11S.0020	○ 161.16.11V.0020
150	○ 161.17.11E.0020	○ 161.17.11H.0020	○ 161.17.11S.0020	○ 161.17.11V.0020

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, DIN 11851 male /liner, inside dia. acc. DIN 11850 (656)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
20	○ 161.07.12E.0020	○ 161.07.12H.0020	○ 161.07.12S.0020	○ 161.07.12V.0020
25	● 161.08.12E.0020	● 161.08.12H.0020	● 161.08.12S.0020	● 161.08.12V.0020
32	● 161.09.12E.0020	● 161.09.12H.0020	● 161.09.12S.0020	● 161.09.12V.0020
40	● 161.10.12E.0020	● 161.10.12H.0020	● 161.10.12S.0020	● 161.10.12V.0020
50	● 161.11.12E.0020	● 161.11.12H.0020	● 161.11.12S.0020	● 161.11.12V.0020
65	● 161.12.12E.0020	● 161.12.12H.0020	● 161.12.12S.0020	● 161.12.12V.0020
80	● 161.14.12E.0020	● 161.14.12H.0020	● 161.14.12S.0020	● 161.14.12V.0020
100	● 161.15.12E.0020	● 161.15.12H.0020	● 161.15.12S.0020	● 161.15.12V.0020
125	○ 161.16.12E.0020	○ 161.16.12H.0020	○ 161.16.12S.0020	○ 161.16.12V.0020
150	○ 161.17.12E.0020	○ 161.17.12H.0020	○ 161.17.12S.0020	○ 161.17.12V.0020

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, DIN 11851 male /liner, air/spr. (NC), inside dia. acc. DIN 11850 (656)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
20	○ 162.07.11E.0020	○ 162.07.11H.0020	○ 162.07.11S.0020	○ 162.07.11V.0020
25	● 162.08.11E.0020	● 162.08.11H.0020	● 162.08.11S.0020	● 162.08.11V.0020
32	● 162.09.11E.0020	● 162.09.11H.0020	● 162.09.11S.0020	● 162.09.11V.0020
40	● 162.10.11E.0020	● 162.10.11H.0020	● 162.10.11S.0020	● 162.10.11V.0020
50	● 162.11.11E.0020	● 162.11.11H.0020	● 162.11.11S.0020	● 162.11.11V.0020
65	● 162.12.11E.0020	● 162.12.11H.0020	● 162.12.11S.0020	● 162.12.11V.0020
80	● 162.14.11E.0020	● 162.14.11H.0020	● 162.14.11S.0020	● 162.14.11V.0020
100	● 162.15.11E.0020	● 162.15.11H.0020	● 162.15.11S.0020	● 162.15.11V.0020
125	○ 162.16.11E.0020	○ 162.16.11H.0020	○ 162.16.11S.0020	○ 162.16.11V.0020
150	○ 162.17.11E.0020	○ 162.17.11H.0020	○ 162.17.11S.0020	○ 162.17.11V.0020

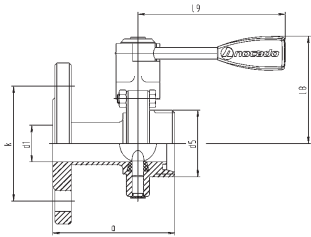
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, DIN 11851 male /liner, air/spr. (NC), inside dia. acc. DIN 11850 (656)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
20	○ 162.07.12E.0020	○ 162.07.12H.0020	○ 162.07.12S.0020	○ 162.07.12V.0020
25	● 162.08.12E.0020	● 162.08.12H.0020	● 162.08.12S.0020	● 162.08.12V.0020
32	● 162.09.12E.0020	● 162.09.12H.0020	● 162.09.12S.0020	● 162.09.12V.0020
40	● 162.10.12E.0020	● 162.10.12H.0020	● 162.10.12S.0020	● 162.10.12V.0020
50	● 162.11.12E.0020	● 162.11.12H.0020	● 162.11.12S.0020	● 162.11.12V.0020
65	● 162.12.12E.0020	● 162.12.12H.0020	● 162.12.12S.0020	● 162.12.12V.0020
80	● 162.14.12E.0020	● 162.14.12H.0020	● 162.14.12S.0020	● 162.14.12V.0020
100	● 162.15.12E.0020	● 162.15.12H.0020	● 162.15.12S.0020	● 162.15.12V.0020
125	○ 162.16.12E.0020	○ 162.16.12H.0020	○ 162.16.12S.0020	○ 162.16.12V.0020
150	○ 162.17.12E.0020	○ 162.17.12H.0020	○ 162.17.12S.0020	○ 162.17.12V.0020

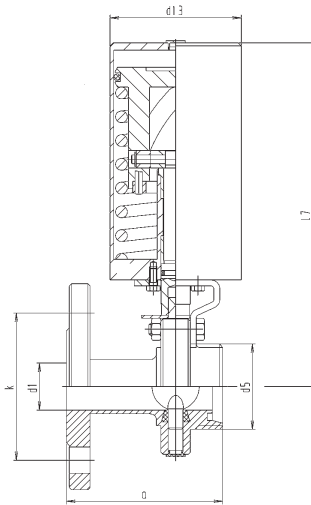
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, DIN 11851 male /flange, inside dia. acc. DIN 11850 (657)



DN	a	d1	d5	k	l8	l9	weight (kg)
25	106	26	52x1/6"	85	89	132	2,630
32	106	32	58x1/6"	100	91	132	3,210
40	110	38	65x1/6"	110	94	132	3,590
50	112	50	78x1/6"	125	100	132	4,600
65	122	66	95x1/6"	145	109	132	5,620
80	135	81	110x1/4"	160	124	165	7,960
100	140	100	130x1/4"	180	135	165	9,580
125	167	125	160x1/4"	210	162	216	15,500
150	179	150	190x1/4"	240	177	216	19,950

butterfly valve, DIN 11851 male /flange, air/spr. (NC) inside dia. acc. DIN 11850 (657)



DN	a	d1	d5	k	d13	l7	weight (kg)
25	106	26	52x1/6"	85	89	231	5,580
32	106	32	58x1/6"	100	89	234	6,180
40	110	38	65x1/6"	110	89	236	6,550
50	112	50	78x1/6"	125	89	242	7,590
65	122	66	95x1/6"	145	89	251	8,650
80	135	81	110x1/4"	160	89	260	10,620
100	140	100	130x1/4"	180	89	270	12,270
125	167	125	160x1/4"	210	133	369	23,440
150	179	150	190x1/4"	240	133	384	27,950

butterfly valve, DIN 11851 male /flange, inside dia. acc. DIN 11850 (657)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
25	● 161.08.11E.0015	● 161.08.11H.0015	● 161.08.11S.0015	● 161.08.11V.0015
32	○ 161.09.11E.0015	○ 161.09.11H.0015	○ 161.09.11S.0015	○ 161.09.11V.0015
40	● 161.10.11E.0015	● 161.10.11H.0015	● 161.10.11S.0015	● 161.10.11V.0015
50	● 161.11.11E.0015	● 161.11.11H.0015	● 161.11.11S.0015	● 161.11.11V.0015
65	● 161.12.11E.0015	● 161.12.11H.0015	● 161.12.11S.0015	● 161.12.11V.0015
80	● 161.14.11E.0015	● 161.14.11H.0015	● 161.14.11S.0015	● 161.14.11V.0015
100	○ 161.15.11E.0015	○ 161.15.11H.0015	○ 161.15.11S.0015	○ 161.15.11V.0015
125	○ 161.16.11E.0015	○ 161.16.11H.0015	○ 161.16.11S.0015	○ 161.16.11V.0015
150	○ 161.17.11E.0015	○ 161.17.11H.0015	○ 161.17.11S.0015	○ 161.17.11V.0015

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, DIN 11851 male /flange, inside dia. acc. DIN 11850 (657)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
25	○ 161.08.12E.0015	○ 161.08.12H.0015	○ 161.08.12S.0015	○ 161.08.12V.0015
32	○ 161.09.12E.0015	○ 161.09.12H.0015	○ 161.09.12S.0015	○ 161.09.12V.0015
40	○ 161.10.12E.0015	○ 161.10.12H.0015	○ 161.10.12S.0015	○ 161.10.12V.0015
50	○ 161.11.12E.0015	○ 161.11.12H.0015	○ 161.11.12S.0015	○ 161.11.12V.0015
65	○ 161.12.12E.0015	○ 161.12.12H.0015	○ 161.12.12S.0015	○ 161.12.12V.0015
80	○ 161.14.12E.0015	○ 161.14.12H.0015	○ 161.14.12S.0015	○ 161.14.12V.0015
100	○ 161.15.12E.0015	○ 161.15.12H.0015	○ 161.15.12S.0015	○ 161.15.12V.0015
125	○ 161.16.12E.0015	○ 161.16.12H.0015	○ 161.16.12S.0015	○ 161.16.12V.0015
150	○ 161.17.12E.0015	○ 161.17.12H.0015	○ 161.17.12S.0015	○ 161.17.12V.0015

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, DIN 11851 male /flange, air/spr. (NC) inside dia. acc. DIN 11850 (657)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
25	● 162.08.11E.0015	● 162.08.11H.0015	● 162.08.11S.0015	● 162.08.11V.0015
32	○ 162.09.11E.0015	○ 162.09.11H.0015	○ 162.09.11S.0015	○ 162.09.11V.0015
40	● 162.10.11E.0015	● 162.10.11H.0015	● 162.10.11S.0015	● 162.10.11V.0015
50	● 162.11.11E.0015	● 162.11.11H.0015	● 162.11.11S.0015	● 162.11.11V.0015
65	● 162.12.11E.0015	● 162.12.11H.0015	● 162.12.11S.0015	● 162.12.11V.0015
80	● 162.14.11E.0015	● 162.14.11H.0015	● 162.14.11S.0015	● 162.14.11V.0015
100	○ 162.15.11E.0015	○ 162.15.11H.0015	○ 162.15.11S.0015	○ 162.15.11V.0015
125	○ 162.16.11E.0015	○ 162.16.11H.0015	○ 162.16.11S.0015	○ 162.16.11V.0015
150	○ 162.17.11E.0015	○ 162.17.11H.0015	○ 162.17.11S.0015	○ 162.17.11V.0015

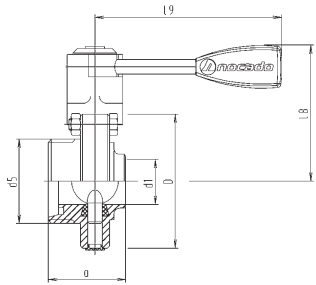
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, DIN 11851 male /flange, air/spr. (NC) inside dia. acc. DIN 11850 (657)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
25	○ 162.08.12E.0015	○ 162.08.12H.0015	○ 162.08.12S.0015	○ 162.08.12V.0015
32	○ 162.09.12E.0015	○ 162.09.12H.0015	○ 162.09.12S.0015	○ 162.09.12V.0015
40	○ 162.10.12E.0015	○ 162.10.12H.0015	○ 162.10.12S.0015	○ 162.10.12V.0015
50	○ 162.11.12E.0015	○ 162.11.12H.0015	○ 162.11.12S.0015	○ 162.11.12V.0015
65	○ 162.12.12E.0015	○ 162.12.12H.0015	○ 162.12.12S.0015	○ 162.12.12V.0015
80	○ 162.14.12E.0015	○ 162.14.12H.0015	○ 162.14.12S.0015	○ 162.14.12V.0015
100	○ 162.15.12E.0015	○ 162.15.12H.0015	○ 162.15.12S.0015	○ 162.15.12V.0015
125	○ 162.16.12E.0015	○ 162.16.12H.0015	○ 162.16.12S.0015	○ 162.16.12V.0015
150	○ 162.17.12E.0015	○ 162.17.12H.0015	○ 162.17.12S.0015	○ 162.17.12V.0015

matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, male/ weld end, inch OD (653)



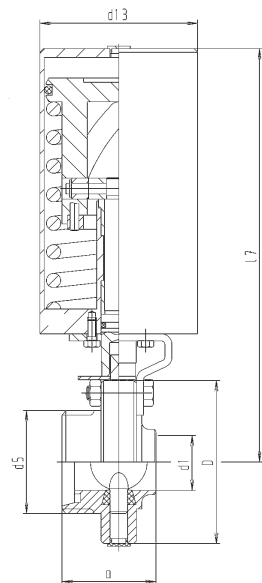
DN	a	d1	d5	D	l8	l9	weight (kg)
1"	52	22.1	52x1/6"	87	89	132	1,490
1¼"	53	28.5	58x1/6"	92	91	132	1,580
1½"	61	34.8	65x1/6"	97	94	132	1,780
2"	61	47.5	78x1/6"	110	100	132	2,120
2½"	63	60.2	95x1/6"	127	109	132	2,560
3"	75	72.9	104x1/6"	142	124	165	4,510
4"	84	97.4	130x1/4"	162	135	165	5,600

butterfly valve, male/ weld end, inch OD (653)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
1"	● 161.08.11E.0005	● 161.08.11H.0005	● 161.08.11S.0005	● 161.08.11V.0005
1¼"	● 161.09.11E.0005	● 161.09.11H.0005	● 161.09.11S.0005	● 161.09.11V.0005
1½"	● 161.10.11E.0005	● 161.10.11H.0005	● 161.10.11S.0005	● 161.10.11V.0005
2"	● 161.11.11E.0005	● 161.11.11H.0005	● 161.11.11S.0005	● 161.11.11V.0005
2½"	● 161.12.11E.0005	● 161.12.11H.0005	● 161.12.11S.0005	● 161.12.11V.0005
3"	● 161.13.11E.0005	● 161.13.11H.0005	● 161.13.11S.0005	● 161.13.11V.0005
4"	● 161.15.11E.0005	● 161.15.11H.0005	● 161.15.11S.0005	● 161.15.11V.0005

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, male/ weld end, air/spring (NC), inch OD



DN	a	d1	d5	D	d13	l7	weight (kg)
1"	52	22.1	52x1/6"	87	89	231	4,440
1¼"	53	28.5	58x1/6"	92	89	234	4,550
1½"	61	34.8	65x1/6"	97	89	236	4,740
2"	61	47.5	78x1/6"	110	89	242	5,110
2½"	63	60.2	95x1/6"	127	89	251	5,590
3"	75	72.9	104x1/6"	142	89	260	7,170
4"	84	97.4	130x1/4"	162	89	270	8,290

butterfly valve, male/ weld end, inch OD (653)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
1"	● 161.08.12E.0005	● 161.08.12H.0005	● 161.08.12S.0005	● 161.08.12V.0005
1¼"	● 161.09.12E.0005	● 161.09.12H.0005	● 161.09.12S.0005	● 161.09.12V.0005
1½"	● 161.10.12E.0005	● 161.10.12H.0005	● 161.10.12S.0005	● 161.10.12V.0005
2"	● 161.11.12E.0005	● 161.11.12H.0005	● 161.11.12S.0005	● 161.11.12V.0005
2½"	● 161.12.12E.0005	● 161.12.12H.0005	● 161.12.12S.0005	● 161.12.12V.0005
3"	● 161.13.12E.0005	● 161.13.12H.0005	● 161.13.12S.0005	● 161.13.12V.0005
4"	● 161.15.12E.0005	● 161.15.12H.0005	● 161.15.12S.0005	● 161.15.12V.0005

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, male/ weld end, air/spring (NC), inch OD

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
1"	● 162.08.11E.0005	● 162.08.11H.0005	● 162.08.11S.0005	● 162.08.11V.0005
1¼"	● 162.09.11E.0005	● 162.09.11H.0005	● 162.09.11S.0005	● 162.09.11V.0005
1½"	● 162.10.11E.0005	● 162.10.11H.0005	● 162.10.11S.0005	● 162.10.11V.0005
2"	● 162.11.11E.0005	● 162.11.11H.0005	● 162.11.11S.0005	● 162.11.11V.0005
2½"	● 162.12.11E.0005	● 162.12.11H.0005	● 162.12.11S.0005	● 162.12.11V.0005
3"	● 162.13.11E.0005	● 162.13.11H.0005	● 162.13.11S.0005	● 162.13.11V.0005
4"	● 162.15.11E.0005	● 162.15.11H.0005	● 162.15.11S.0005	● 162.15.11V.0005

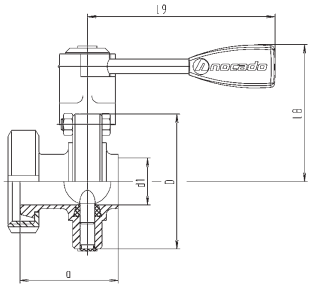
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, male/ weld end, air/spring (NC), inch OD

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
1"	● 162.08.12E.0005	● 162.08.12H.0005	● 162.08.12S.0005	● 162.08.12V.0005
1¼"	● 162.09.12E.0005	● 162.09.12H.0005	● 162.09.12S.0005	● 162.09.12V.0005
1½"	● 162.10.12E.0005	● 162.10.12H.0005	● 162.10.12S.0005	● 162.10.12V.0005
2"	● 162.11.12E.0005	● 162.11.12H.0005	● 162.11.12S.0005	● 162.11.12V.0005
2½"	● 162.12.12E.0005	● 162.12.12H.0005	● 162.12.12S.0005	● 162.12.12V.0005
3"	● 162.13.12E.0005	● 162.13.12H.0005	● 162.13.12S.0005	● 162.13.12V.0005
4"	● 162.15.12E.0005	● 162.15.12H.0005	● 162.15.12S.0005	● 162.15.12V.0005

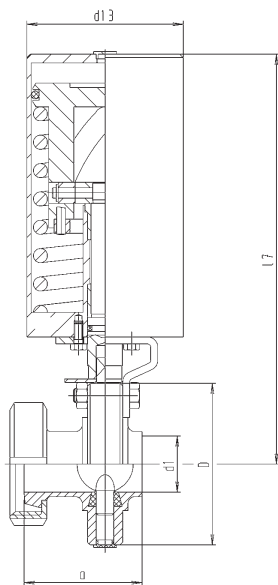
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, liner/ weld end, inch OD (662Z)



DN	a	d1	D	l8	l9	weight (kg)
1"	62	22.1	87	89	132	1,640
1¼"	67	28.5	92	91	132	1,810
1½"	76	34.8	97	94	132	2,070
2"	78	47.5	110	100	132	2,670
2½"	82	60.2	127	109	132	3,220
3"	92	72.9	142	124	165	5,620
4"	108	97.4	162	135	165	7,360

butterfly valve, liner/ weld end, air/spring (NC), inch OD (662Z)



DN	a	d1	D	d13	l7	weight (kg)
1"	62	22.1	87	89	231	4,585
1¼"	67	28.5	92	89	234	4,780
1½"	76	34.8	97	89	236	5,030
2"	78	47.5	110	89	242	5,660
2½"	82	60.2	127	89	251	6,250
3"	92	72.9	142	89	260	7,925
4"	108	97.4	162	89	270	10,050

butterfly valve, liner/ weld end, inch OD (662Z)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
1"	o 161.08.11E.0075	o 161.08.11H.0075	o 161.08.11S.0075	o 161.08.11V.0075
1¼"	o 161.09.11E.0075	o 161.09.11H.0075	o 161.09.11S.0075	o 161.09.11V.0075
1½"	o 161.10.11E.0075	o 161.10.11H.0075	o 161.10.11S.0075	o 161.10.11V.0075
2"	o 161.11.11E.0075	o 161.11.11H.0075	o 161.11.11S.0075	o 161.11.11V.0075
2½"	o 161.12.11E.0075	o 161.12.11H.0075	o 161.12.11S.0075	o 161.12.11V.0075
3"	o 161.13.11E.0075	o 161.13.11H.0075	o 161.13.11S.0075	o 161.13.11V.0075
4"	o 161.15.11E.0075	o 161.15.11H.0075	o 161.15.11S.0075	o 161.15.11V.0075

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, liner/ weld end, inch OD (662Z)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
1"	o 161.08.12E.0075	o 161.08.12H.0075	o 161.08.12S.0075	o 161.08.12V.0075
1¼"	o 161.09.12E.0075	o 161.09.12H.0075	o 161.09.12S.0075	o 161.09.12V.0075
1½"	o 161.10.12E.0075	o 161.10.12H.0075	o 161.10.12S.0075	o 161.10.12V.0075
2"	o 161.11.12E.0075	o 161.11.12H.0075	o 161.11.12S.0075	o 161.11.12V.0075
2½"	o 161.12.12E.0075	o 161.12.12H.0075	o 161.12.12S.0075	o 161.12.12V.0075
3"	o 161.13.12E.0075	o 161.13.12H.0075	o 161.13.12S.0075	o 161.13.12V.0075
4"	o 161.15.12E.0075	o 161.15.12H.0075	o 161.15.12S.0075	o 161.15.12V.0075

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, liner/ weld end, air/spring (NC), inch OD (662Z)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
1"	o 162.08.11E.0075	o 162.08.11H.0075	o 162.08.11S.0075	o 162.08.11V.0075
1¼"	o 162.09.11E.0075	o 162.09.11H.0075	o 162.09.11S.0075	o 162.09.11V.0075
1½"	o 162.10.11E.0075	o 162.10.11H.0075	o 162.10.11S.0075	o 162.10.11V.0075
2"	o 162.11.11E.0075	o 162.11.11H.0075	o 162.11.11S.0075	o 162.11.11V.0075
2½"	o 162.12.11E.0075	o 162.12.11H.0075	o 162.12.11S.0075	o 162.12.11V.0075
3"	o 162.13.11E.0075	o 162.13.11H.0075	o 162.13.11S.0075	o 162.13.11V.0075
4"	o 162.15.11E.0075	o 162.15.11H.0075	o 162.15.11S.0075	o 162.15.11V.0075

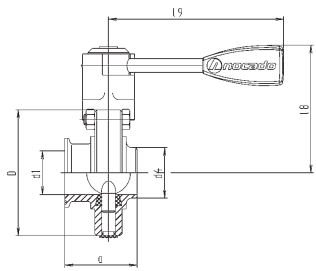
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, liner/ weld end, air/spring (NC), inch OD (662Z)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
1"	o 162.08.12E.0075	o 162.08.12H.0075	o 162.08.12S.0075	o 162.08.12V.0075
1¼"	o 162.09.12E.0075	o 162.09.12H.0075	o 162.09.12S.0075	o 162.09.12V.0075
1½"	o 162.10.12E.0075	o 162.10.12H.0075	o 162.10.12S.0075	o 162.10.12V.0075
2"	o 162.11.12E.0075	o 162.11.12H.0075	o 162.11.12S.0075	o 162.11.12V.0075
2½"	o 162.12.12E.0075	o 162.12.12H.0075	o 162.12.12S.0075	o 162.12.12V.0075
3"	o 162.13.12E.0075	o 162.13.12H.0075	o 162.13.12S.0075	o 162.13.12V.0075
4"	o 162.15.12E.0075	o 162.15.12H.0075	o 162.15.12S.0075	o 162.15.12V.0075

matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, clamp/ weld end, inch OD (642Z)



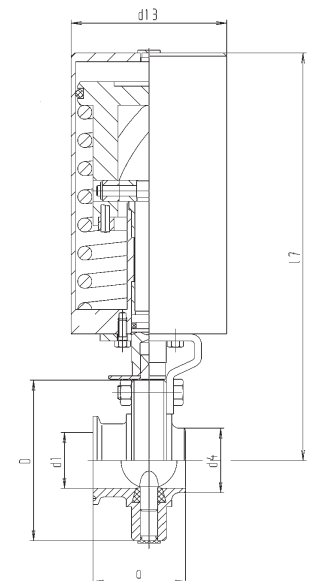
DN	a	d1	d4	D	l8	l9	weight (kg)
1"	52	22.1	25.4	87	89	132	1,380
1½"	61	34.8	38.1	97	94	132	1,570
2"	61	47.5	50.8	110	100	132	1,870
2½"	63	60.2	63.5	127	109	132	2,280
3"	75	72.9	76.1	142	124	165	4,190
4"	84	97.4	101.6	162	135	165	5,020

butterfly valve, clamp/ weld end, inch OD (642Z)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
1"	o 161.08.11E.0076	o 161.08.11H.0076	o 161.08.11S.0076	o 161.08.11V.0076
1½"	o 161.10.11E.0076	o 161.10.11H.0076	o 161.10.11S.0076	o 161.10.11V.0076
2"	o 161.11.11E.0076	o 161.11.11H.0076	o 161.11.11S.0076	o 161.11.11V.0076
2½"	o 161.12.11E.0076	o 161.12.11H.0076	o 161.12.11S.0076	o 161.12.11V.0076
3"	o 161.13.11E.0076	o 161.13.11H.0076	o 161.13.11S.0076	o 161.13.11V.0076
4"	o 161.15.11E.0076	o 161.15.11H.0076	o 161.15.11S.0076	o 161.15.11V.0076

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, clamp/ weld end, air/spring (NC), inch OD (642Z)



DN	a	d1	d4	D	d13	l7	weight (kg)
1"	52	22.1	25.4	87	89	231	4,330
1½"	61	34.8	38.1	97	89	236	5,530
2"	61	47.5	50.8	110	89	242	4,860
2½"	63	60.2	63.5	127	89	251	5,310
3"	75	72.9	76.1	142	89	260	6,850
4"	84	97.4	101.6	162	89	270	7,710

butterfly valve, clamp/ weld end, inch OD (642Z)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
1"	o 161.08.12E.0076	o 161.08.12H.0076	o 161.08.12S.0076	o 161.08.12V.0076
1½"	o 161.09.12E.0076	o 161.10.12H.0076	o 161.10.12S.0076	o 161.10.12V.0076
2"	o 161.11.12E.0076	o 161.11.12H.0076	o 161.11.12S.0076	o 161.11.12V.0076
2½"	o 161.12.12E.0076	o 161.12.12H.0076	o 161.12.12S.0076	o 161.12.12V.0076
3"	o 161.13.12E.0076	o 161.13.12H.0076	o 161.13.12S.0076	o 161.13.12V.0076
4"	o 161.15.12E.0076	o 161.15.12H.0076	o 161.15.12S.0076	o 161.15.12V.0076

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, clamp/ weld end, air/spring (NC), inch OD (642Z)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
1"	o 162.08.11E.0076	o 162.08.11H.0076	o 162.08.11S.0076	o 162.08.11V.0076
1½"	o 162.10.11E.0076	o 162.10.11H.0076	o 162.10.11S.0076	o 162.10.11V.0076
2"	o 162.11.11E.0076	o 162.11.11H.0076	o 162.11.11S.0076	o 162.11.11V.0076
2½"	o 162.12.11E.0076	o 162.12.11H.0076	o 162.12.11S.0076	o 162.12.11V.0076
3"	o 162.13.11E.0076	o 162.13.11H.0076	o 162.13.11S.0076	o 162.13.11V.0076
4"	o 162.15.11E.0076	o 162.15.11H.0076	o 162.15.11S.0076	o 162.15.11V.0076

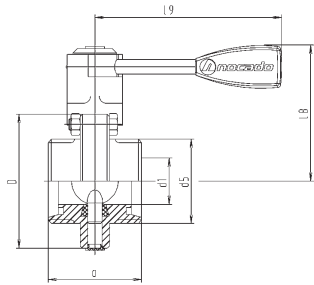
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, clamp/ weld end, air/spring (NC), inch OD (642Z)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
1"	o 162.08.12E.0076	o 162.08.12H.0076	o 162.08.12S.0076	o 162.08.12V.0076
1½"	o 162.10.12E.0076	o 162.10.12H.0076	o 162.10.12S.0076	o 162.10.12V.0076
2"	o 162.11.12E.0076	o 162.11.12H.0076	o 162.11.12S.0076	o 162.11.12V.0076
2½"	o 162.12.12E.0076	o 162.12.12H.0076	o 162.12.12S.0076	o 162.12.12V.0076
3"	o 162.13.12E.0076	o 162.13.12H.0076	o 162.13.12S.0076	o 162.13.12V.0076
4"	o 162.15.12E.0076	o 162.15.12H.0076	o 162.15.12S.0076	o 162.15.12V.0076

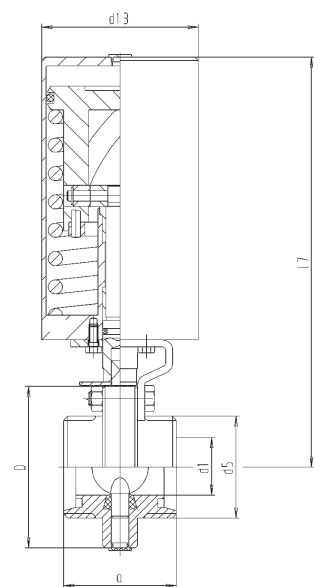
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, male/male, inch OD (655Z)



DN	a	d1	d5	D	l8	l9	weight (kg)
1"	64	22.1	52x1/6"	87	89	132	1,700
1¼"	64	28.5	58x1/6"	92	91	132	1,850
1½"	72	34.8	65x1/6"	97	94	132	2,000
2"	72	47.5	78x1/6"	110	100	132	2,400
2½"	76	60.2	95x1/6"	127	109	132	3,200
3"	90	72.9	104x1/6"	142	124	165	4,400
4"	104	97.4	130x1/4"	162	135	165	6,700

butterfly valve, male/male, air/spring (NC), inch OD (655Z)



DN	a	d1	d5	D	d13	l7	weight (kg)
1"	64	22.1	52x1/6"	87	89	231	4,650
1¼"	64	28.5	58x1/6"	92	89	234	4,820
1½"	72	34.8	65x1/6"	97	89	236	4,960
2"	72	47.5	78x1/6"	110	89	242	5,390
2½"	76	60.2	95x1/6"	127	89	251	6,230
3"	90	72.9	104x1/6"	142	89	260	7,060
4"	104	97.4	130x1/4"	162	89	270	9,390

butterfly valve, male/male, inch OD (655Z)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
1"	● 161.08.11E.0122	● 161.08.11H.0122	● 161.08.11S.0122	● 161.08.11V.0122
1¼"	● 161.09.11E.0122	● 161.09.11H.0122	● 161.09.11S.0122	● 161.09.11V.0122
1½"	● 161.10.11E.0122	● 161.10.11H.0122	● 161.10.11S.0122	● 161.10.11V.0122
2"	● 161.11.11E.0122	● 161.11.11H.0122	● 161.11.11S.0122	● 161.11.11V.0122
2½"	● 161.12.11E.0122	● 161.12.11H.0122	● 161.12.11S.0122	● 161.12.11V.0122
3"	● 161.13.11E.0122	● 161.13.11H.0122	● 161.13.11S.0122	● 161.13.11V.0122
4"	● 161.15.11E.0122	● 161.15.11H.0122	● 161.15.11S.0122	● 161.15.11V.0122

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, male/male, inch OD (655Z)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
1"	● 161.08.12E.0122	● 161.08.12H.0122	● 161.08.12S.0122	● 161.08.12V.0122
1¼"	● 161.09.12E.0122	● 161.09.12H.0122	● 161.09.12S.0122	● 161.09.12V.0122
1½"	● 161.10.12E.0122	● 161.10.12H.0122	● 161.10.12S.0122	● 161.10.12V.0122
2"	● 161.11.12E.0122	● 161.11.12H.0122	● 161.11.12S.0122	● 161.11.12V.0122
2½"	● 161.12.12E.0122	● 161.12.12H.0122	● 161.12.12S.0122	● 161.12.12V.0122
3"	● 161.13.12E.0122	● 161.13.12H.0122	● 161.13.12S.0122	● 161.13.12V.0122
4"	● 161.15.12E.0122	● 161.15.12H.0122	● 161.15.12S.0122	● 161.15.12V.0122

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, male/male, air/spring (NC), inch OD (655Z)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
1"	● 162.08.11E.0122	● 162.08.11H.0122	● 162.08.11S.0122	● 162.08.11V.0122
1¼"	● 162.09.11E.0122	● 162.09.11H.0122	● 162.09.11S.0122	● 162.09.11V.0122
1½"	● 162.10.11E.0122	● 162.10.11H.0122	● 162.10.11S.0122	● 162.10.11V.0122
2"	● 162.11.11E.0122	● 162.11.11H.0122	● 162.11.11S.0122	● 162.11.11V.0122
2½"	● 162.12.11E.0122	● 162.12.11H.0122	● 162.12.11S.0122	● 162.12.11V.0122
3"	● 162.13.11E.0122	● 162.13.11H.0122	● 162.13.11S.0122	● 162.13.11V.0122
4"	● 162.15.11E.0122	● 162.15.11H.0122	● 162.15.11S.0122	● 162.15.11V.0122

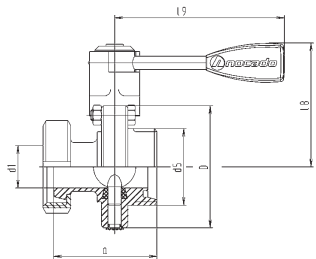
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, male/male, air/spring (NC), inch OD (655Z)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
1"	● 162.08.12E.0122	● 162.08.12H.0122	● 162.08.12S.0122	● 162.08.12V.0122
1¼"	● 162.09.12E.0122	● 162.09.12H.0122	● 162.09.12S.0122	● 162.09.12V.0122
1½"	● 162.10.12E.0122	● 162.10.12H.0122	● 162.10.12S.0122	● 162.10.12V.0122
2"	● 162.11.12E.0122	● 162.11.12H.0122	● 162.11.12S.0122	● 162.11.12V.0122
2½"	● 162.12.12E.0122	● 162.12.12H.0122	● 162.12.12S.0122	● 162.12.12V.0122
3"	● 162.13.12E.0122	● 162.13.12H.0122	● 162.13.12S.0122	● 162.13.12V.0122
4"	● 162.15.12E.0122	● 162.15.12H.0122	● 162.15.12S.0122	● 162.15.12V.0122

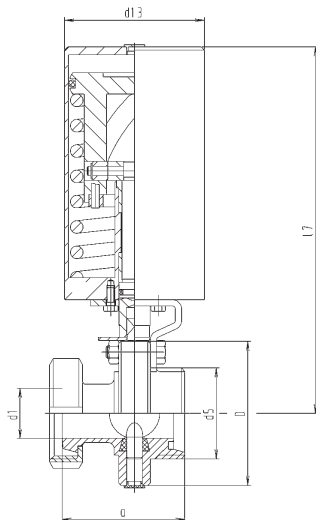
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, male/liner, inch OD (656Z)



DN	a	d1	d5	D	l8	l9	weight (kg)
1"	74	22.1	52x1/6"	87	89	132	1,760
1¼"	78	28.5	58x1/6"	92	91	132	1,900
1½"	87	34.8	65x1/6"	97	94	132	2,180
2"	89	47.5	78x1/6"	110	100	132	2,650
2½"	95	60.2	95x1/6"	127	109	132	3,410
3"	107	72.9	104x1/6"	142	124	165	5,620
4"	128	97.4	130x1/4"	162	135	165	7,100

butterfly valve, male/liner, air/spring (NC), inch OD (656Z)



DN	a	d1	d5	D	d13	l7	weight (kg)
1"	74	22.1	52x1/6"	87	89	231	4,710
1¼"	78	28.5	58x1/6"	92	89	234	4,870
1½"	87	34.8	65x1/6"	97	89	236	5,140
2"	89	47.5	78x1/6"	110	89	242	5,640
2½"	95	60.2	95x1/6"	127	89	251	6,440
3"	107	72.9	104x1/6"	142	89	260	8,280
4"	128	97.4	130x1/4"	162	89	270	9,790

butterfly valve, male/liner, inch OD (656Z)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
1"	● 161.08.11E.0021	● 161.08.11H.0021	● 161.08.11S.0021	● 161.08.11V.0021
1¼"	○ 161.09.11E.0021	○ 161.09.11H.0021	○ 161.09.11S.0021	○ 161.09.11V.0021
1½"	○ 161.10.11E.0021	○ 161.10.11H.0021	○ 161.10.11S.0021	○ 161.10.11V.0021
2"	● 161.11.11E.0021	● 161.11.11H.0021	● 161.11.11S.0021	● 161.11.11V.0021
2½"	○ 161.12.11E.0021	○ 161.12.11H.0021	○ 161.12.11S.0021	○ 161.12.11V.0021
3"	○ 161.13.11E.0021	○ 161.13.11H.0021	○ 161.13.11S.0021	○ 161.13.11V.0021
4"	● 161.15.11E.0021	● 161.15.11H.0021	● 161.15.11S.0021	● 161.15.11V.0021

butterfly valve, male/liner, inch OD (656Z)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
1"	○ 161.08.12E.0021	○ 161.08.12H.0021	○ 161.08.12S.0021	○ 161.08.12V.0021
1¼"	○ 161.09.12E.0021	○ 161.09.12H.0021	○ 161.09.12S.0021	○ 161.09.12V.0021
1½"	○ 161.10.12E.0021	○ 161.10.12H.0021	○ 161.10.12S.0021	○ 161.10.12V.0021
2"	○ 161.11.12E.0021	○ 161.11.12H.0021	○ 161.11.12S.0021	○ 161.11.12V.0021
2½"	○ 161.12.12E.0021	○ 161.12.12H.0021	○ 161.12.12S.0021	○ 161.12.12V.0021
3"	○ 161.13.12E.0021	○ 161.13.12H.0021	○ 161.13.12S.0021	○ 161.13.12V.0021
4"	○ 161.15.12E.0021	○ 161.15.12H.0021	○ 161.15.12S.0021	○ 161.15.12V.0021

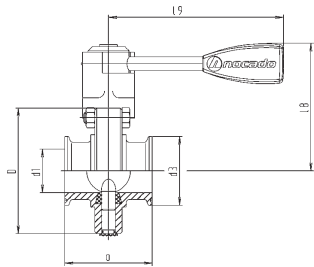
butterfly valve, male/liner, air/spring (NC), inch OD (656Z)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
1"	○ 162.08.11E.0021	○ 162.08.11H.0021	○ 162.08.11S.0021	○ 162.08.11V.0021
1¼"	○ 162.09.11E.0021	○ 162.09.11H.0021	○ 162.09.11S.0021	○ 162.09.11V.0021
1½"	○ 162.10.11E.0021	○ 162.10.11H.0021	○ 162.10.11S.0021	○ 162.10.11V.0021
2"	○ 162.11.11E.0021	○ 162.11.11H.0021	○ 162.11.11S.0021	○ 162.11.11V.0021
2½"	○ 162.12.11E.0021	○ 162.12.11H.0021	○ 162.12.11S.0021	○ 162.12.11V.0021
3"	○ 162.13.11E.0021	○ 162.13.11H.0021	○ 162.13.11S.0021	○ 162.13.11V.0021
4"	○ 162.15.11E.0021	○ 162.15.11H.0021	○ 162.15.11S.0021	○ 162.15.11V.0021

butterfly valve, male/liner, air/spring (NC), inch OD (656Z)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
1"	○ 162.08.12E.0021	○ 162.08.12H.0021	○ 162.08.12S.0021	○ 162.08.12V.0021
1¼"	○ 162.09.12E.0021	○ 162.09.12H.0021	○ 162.09.12S.0021	○ 162.09.12V.0021
1½"	○ 162.10.12E.0021	○ 162.10.12H.0021	○ 162.10.12S.0021	○ 162.10.12V.0021
2"	○ 162.11.12E.0021	○ 162.11.12H.0021	○ 162.11.12S.0021	○ 162.11.12V.0021
2½"	○ 162.12.12E.0021	○ 162.12.12H.0021	○ 162.12.12S.0021	○ 162.12.12V.0021
3"	○ 162.13.12E.0021	○ 162.13.12H.0021	○ 162.13.12S.0021	○ 162.13.12V.0021
4"	○ 162.15.12E.0021	○ 162.15.12H.0021	○ 162.15.12S.0021	○ 162.15.12V.0021

butterfly valve, clamp/clamp, inch OD (644Z)



DN	a	d1	d3	D	l8	l9	weight (kg)
1"	64	22.1	50.5	87	89	132	1,450
1½"	72	34.8	50.5	97	94	132	1,620
2"	72	47.5	64	110	100	132	1,940
2½"	76	60.2	77.5	127	109	132	2,380
3"	90	72.9	91	142	124	165	4,230
4"	104	97.4	119	162	135	165	5,240

butterfly valve, clamp/clamp, inch OD (644Z)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
1"	● 161.08.11E.0026	● 161.08.11H.0026	● 161.08.11S.0026	● 161.08.11V.0026
1½"	● 161.10.11E.0026	● 161.10.11H.0026	● 161.10.11S.0026	● 161.10.11V.0026
2"	● 161.11.11E.0026	● 161.11.11H.0026	● 161.11.11S.0026	● 161.11.11V.0026
2½"	● 161.12.11E.0026	● 161.12.11H.0026	● 161.12.11S.0026	● 161.12.11V.0026
3"	● 161.13.11E.0026	● 161.13.11H.0026	● 161.13.11S.0026	● 161.13.11V.0026
4"	● 161.15.11E.0026	● 161.15.11H.0026	● 161.15.11S.0026	● 161.15.11V.0026

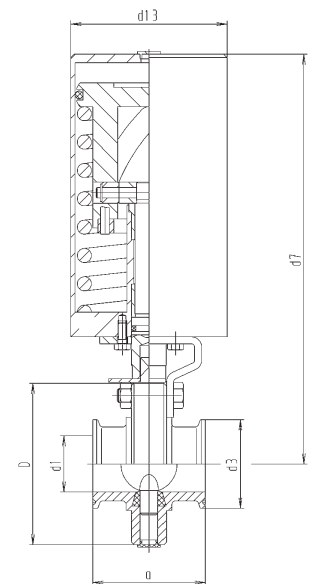
matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, clamp/clamp, inch OD (644Z)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
1"	● 161.08.12E.0026	● 161.08.12H.0026	● 161.08.12S.0026	● 161.08.12V.0026
1½"	● 161.10.12E.0026	● 161.10.12H.0026	● 161.10.12S.0026	● 161.10.12V.0026
2"	● 161.11.12E.0026	● 161.11.12H.0026	● 161.11.12S.0026	● 161.11.12V.0026
2½"	● 161.12.12E.0026	● 161.12.12H.0026	● 161.12.12S.0026	● 161.12.12V.0026
3"	● 161.13.12E.0026	● 161.13.12H.0026	● 161.13.12S.0026	● 161.13.12V.0026
4"	● 161.15.12E.0026	● 161.15.12H.0026	● 161.15.12S.0026	● 161.15.12V.0026

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, clamp/clamp, air/spring (NC), inch OD (644Z)



DN	a	d1	d3	D	d13	l7	weight (kg)
1"	64	22.1	50.5	87	89	231	4,400
1½"	72	34.8	50.5	97	89	236	4,580
2"	72	47.5	64	110	89	242	4,930
2½"	76	60.2	77.5	127	89	251	5,410
3"	90	72.9	91	142	89	260	6,890
4"	104	97.4	119	162	89	270	7,930

butterfly valve, clamp/clamp, air/spring (NC), inch OD (644Z)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
1"	● 162.08.11E.0026	● 162.08.11H.0026	● 162.08.11S.0026	● 162.08.11V.0026
1½"	● 162.10.11E.0026	● 162.10.11H.0026	● 162.10.11S.0026	● 162.10.11V.0026
2"	● 162.11.11E.0026	● 162.11.11H.0026	● 162.11.11S.0026	● 162.11.11V.0026
2½"	● 162.12.11E.0026	● 162.12.11H.0026	● 162.12.11S.0026	● 162.12.11V.0026
3"	● 162.13.11E.0026	● 162.13.11H.0026	● 162.13.11S.0026	● 162.13.11V.0026
4"	● 162.15.11E.0026	● 162.15.11H.0026	● 162.15.11S.0026	● 162.15.11V.0026

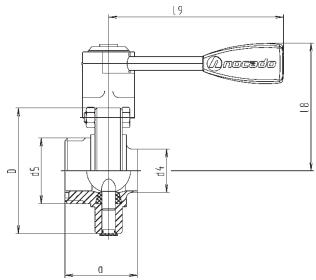
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, clamp/clamp, air/spring (NC), inch OD (644Z)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
1"	● 162.08.12E.0026	● 162.08.12H.0026	● 162.08.12S.0026	● 162.08.12V.0026
1½"	● 162.10.12E.0026	● 162.10.12H.0026	● 162.10.12S.0026	● 162.10.12V.0026
2"	● 162.11.12E.0026	● 162.11.12H.0026	● 162.11.12S.0026	● 162.11.12V.0026
2½"	● 162.12.12E.0026	● 162.12.12H.0026	● 162.12.12S.0026	● 162.12.12V.0026
3"	● 162.13.12E.0026	● 162.13.12H.0026	● 162.13.12S.0026	● 162.13.12V.0026
4"	● 162.15.12E.0026	● 162.15.12H.0026	● 162.15.12S.0026	● 162.15.12V.0026

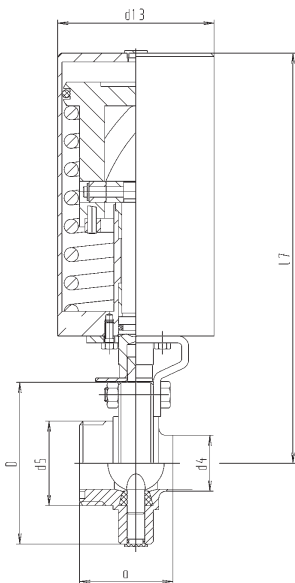
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, male/ weld end, SMS (652S)



DN	a	d4	d5	D	l8	l9	weight (kg)
25	52	25.4	40x1/6"	87	89	132	1,410
32	53	31.8	48x1/6"	92	91	132	1,570
38	61	38.1	60x1/6"	97	94	132	1,760
51	61	50.8	70x1/6"	110	100	132	2,030
63.5	63	63.5	85x1/6"	127	109	132	2,570
76	75	76.1	98x1/6"	142	124	165	4,575
101,6	84	101.6	132x1/6"	162	135	165	6,050

butterfly valve, SMS male/ weld end, air/spring (NC) (652S)



DN	a	d4	d5	D	d13	l7	weight (kg)
25	52	25.4	40x1/6"	87	89	231	4,360
32	53	31.8	48x1/6"	92	89	234	4,540
38	61	38.1	60x1/6"	97	89	236	4,720
51	61	50.8	70x1/6"	110	89	242	5,020
63.5	63	63.5	85x1/6"	127	89	251	5,600
76	75	76.1	98x1/6"	142	89	260	7,235
101,6	84	101.6	132x1/6"	162	89	270	8,740

butterfly valve, male/ weld end, SMS (652S)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
25	o 161.08.11E.0081	o 161.08.11H.0081	o 161.08.11S.0081	o 161.08.11V.0081
32	o 161.09.11E.0081	o 161.09.11H.0081	o 161.09.11S.0081	o 161.09.11V.0081
38	o 161.10.11E.0081	o 161.10.11H.0081	o 161.10.11S.0081	o 161.10.11V.0081
51	o 161.11.11E.0081	o 161.11.11H.0081	o 161.11.11S.0081	o 161.11.11V.0081
63,5	o 161.12.11E.0081	o 161.12.11H.0081	o 161.12.11S.0081	o 161.12.11V.0081
76	o 161.13.11E.0081	o 161.13.11H.0081	o 161.13.11S.0081	o 161.13.11V.0081
101,6	o 161.15.11E.0081	o 161.15.11H.0081	o 161.15.11S.0081	o 161.15.11V.0081

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, male/ weld end, SMS (652S)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
25	o 161.08.12E.0081	o 161.08.12H.0081	o 161.08.12S.0081	o 161.08.12V.0081
32	o 161.09.12E.0081	o 161.09.12H.0081	o 161.09.12S.0081	o 161.09.12V.0081
38	o 161.10.12E.0081	o 161.10.12H.0081	o 161.10.12S.0081	o 161.10.12V.0081
51	o 161.11.12E.0081	o 161.11.12H.0081	o 161.11.12S.0081	o 161.11.12V.0081
63,5	o 161.12.12E.0081	o 161.12.12H.0081	o 161.12.12S.0081	o 161.12.12V.0081
76	o 161.13.12E.0081	o 161.13.12H.0081	o 161.13.12S.0081	o 161.13.12V.0081
101,6	o 161.15.12E.0081	o 161.15.12H.0081	o 161.15.12S.0081	o 161.15.12V.0081

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, SMS male/ weld end, air/spring (NC) (652S)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
25	o 162.08.11E.0081	o 162.08.11H.0081	o 162.08.11S.0081	o 162.08.11V.0081
32	o 162.09.11E.0081	o 162.09.11H.0081	o 162.09.11S.0081	o 162.09.11V.0081
38	o 162.10.11E.0081	o 162.10.11H.0081	o 162.10.11S.0081	o 162.10.11V.0081
51	o 162.11.11E.0081	o 162.11.11H.0081	o 162.11.11S.0081	o 162.11.11V.0081
63,5	o 162.12.11E.0081	o 162.12.11H.0081	o 162.12.11S.0081	o 162.12.11V.0081
76	o 162.13.11E.0081	o 162.13.11H.0081	o 162.13.11S.0081	o 162.13.11V.0081
101,6	o 162.15.11E.0081	o 162.15.11H.0081	o 162.15.11S.0081	o 162.15.11V.0081

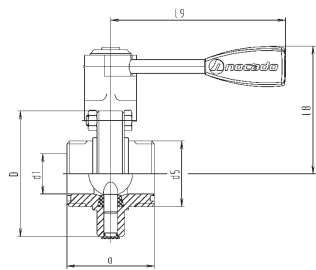
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, SMS male/ weld end, air/spring (NC) (652S)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
25	o 162.08.12E.0081	o 162.08.12H.0081	o 162.08.12S.0081	o 162.08.12V.0081
32	o 162.09.12E.0081	o 162.09.12H.0081	o 162.09.12S.0081	o 162.09.12V.0081
38	o 162.10.12E.0081	o 162.10.12H.0081	o 162.10.12S.0081	o 162.10.12V.0081
51	o 162.11.12E.0081	o 162.11.12H.0081	o 162.11.12S.0081	o 162.11.12V.0081
63,5	o 162.12.12E.0081	o 162.12.12H.0081	o 162.12.12S.0081	o 162.12.12V.0081
76	o 162.13.12E.0081	o 162.13.12H.0081	o 162.13.12S.0081	o 162.13.12V.0081
101,6	o 162.15.12E.0081	o 162.15.12H.0081	o 162.15.12S.0081	o 162.15.12V.0081

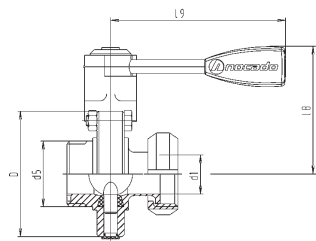
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, male/male, SMS (655S)



DN	a	d1	d5	D	l8	l9	weight (kg)
25	64	22.9	40x1/6"	87	89	132	1,510
32	64	29.3	48x1/6"	92	91	132	1,720
38	72	35.1	60x1/6"	97	94	132	2,000
51	72	47.8	70x1/6"	110	100	132	2,260
63,5	76	60.5	85x1/6"	127	109	132	2,960
76	90	72.1	98x1/6"	142	124	165	5,000
101,6	104	97.6	132x1/6"	162	135	165	7,300

butterfly valve, male/liner, SMS (656S)



DN	d1	d5	D	l8	l9	weight (kg)
25	22	40 x 1/6"	87	89	132	1,5
32	29	48 x 1/6"	92	91	132	1,69
38	35	60 x 1/6"	97	94	132	1,8
51	47	70 x 1/6"	110	100	132	2,1
63,5	60	85 x 1/6"	127	109	132	2,7
76	72	98 x 1/6"	142	124	165	4,8
101,6	97	132 x 1/6"	162	135	165	7,1

butterfly valve, male/male, SMS (655S)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
25	● 161.08.11E.0014	● 161.08.11H.0014	● 161.08.11S.0014	● 161.08.11V.0014
32	○ 161.09.11E.0014	○ 161.09.11H.0014	○ 161.09.11S.0014	○ 161.09.11V.0014
38	● 161.10.11E.0014	● 161.10.11H.0014	● 161.10.11S.0014	● 161.10.11V.0014
51	● 161.11.11E.0014	● 161.11.11H.0014	● 161.11.11S.0014	● 161.11.11V.0014
63,5	● 161.12.11E.0014	● 161.12.11H.0014	● 161.12.11S.0014	● 161.12.11V.0014
76	● 161.13.11E.0014	● 161.13.11H.0014	● 161.13.11S.0014	● 161.13.11V.0014
101,6	● 161.15.11E.0014	● 161.15.11H.0014	● 161.15.11S.0014	● 161.15.11V.0014

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, male/male, SMS (655S)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
25	● 161.08.12E.0014	● 161.08.12H.0014	● 161.08.12S.0014	● 161.08.12V.0014
32	○ 161.09.12E.0014	○ 161.09.12H.0014	○ 161.09.12S.0014	○ 161.09.12V.0014
38	● 161.10.12E.0014	● 161.10.12H.0014	● 161.10.12S.0014	● 161.10.12V.0014
51	● 161.11.12E.0014	● 161.11.12H.0014	● 161.11.12S.0014	● 161.11.12V.0014
63,5	● 161.12.12E.0014	● 161.12.12H.0014	● 161.12.12S.0014	● 161.12.12V.0014
76	● 161.13.12E.0014	● 161.13.12H.0014	● 161.13.12S.0014	● 161.13.12V.0014
101,6	○ 161.15.12E.0014	○ 161.15.12H.0014	○ 161.15.12S.0014	○ 161.15.12V.0014

matt finish: at 6th position use a digit 2 in the ident number

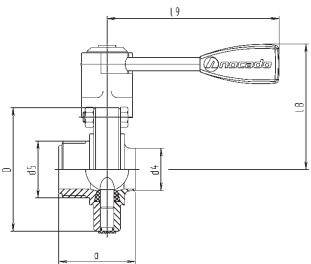
butterfly valve, male/liner, SMS (656S)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
25	○ 161.08.11E.0111	○ 161.08.11H.0111	○ 161.08.11S.0111	○ 161.08.11V.0111
32	○ 161.09.11E.0111	○ 161.09.11H.0111	○ 161.09.11S.0111	○ 161.09.11V.0111
38	○ 161.10.11E.0111	○ 161.10.11H.0111	○ 161.10.11S.0111	○ 161.10.11V.0111
51	○ 161.11.11E.0111	○ 161.11.11H.0111	○ 161.11.11S.0111	○ 161.11.11V.0111
63,5	○ 161.12.11E.0111	○ 161.12.11H.0111	○ 161.12.11S.0111	○ 161.12.11V.0111
76	○ 161.13.11E.0111	○ 161.13.11H.0111	○ 161.13.11S.0111	○ 161.13.11V.0111
101,6	○ 161.15.11E.0111	○ 161.15.11H.0111	○ 161.15.11S.0111	○ 161.15.11V.0111

butterfly valve, male/liner, SMS (656S)

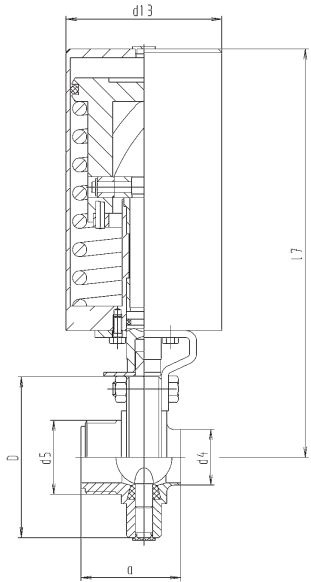
DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
25	○ 161.08.12E.0111	○ 161.08.12H.0111	○ 161.08.12S.0111	○ 161.08.12V.0111
32	○ 161.09.12E.0111	○ 161.09.12H.0111	○ 161.09.12S.0111	○ 161.09.12V.0111
38	○ 161.10.12E.0111	○ 161.10.12H.0111	○ 161.10.12S.0111	○ 161.10.12V.0111
51	○ 161.11.12E.0111	○ 161.11.12H.0111	○ 161.11.12S.0111	○ 161.11.12V.0111
63,5	○ 161.12.12E.0111	○ 161.12.12H.0111	○ 161.12.12S.0111	○ 161.12.12V.0111
76	○ 161.13.12E.0111	○ 161.13.12H.0111	○ 161.13.12S.0111	○ 161.13.12V.0111
101,6	○ 161.15.12E.0111	○ 161.15.12H.0111	○ 161.15.12S.0111	○ 161.15.12V.0111

butterfly valve, IDF male/ weld end (652I)



DN	a	d4	d5 - ACME	D	l8	l9	weight (kg)
1"	56	25.4	1"	87	89	132	1,405
1½"	61	38.1	1 1/2"	97	94	132	1,660
2"	61	50.8	2"	110	100	132	1,950
2½"	63	63.5	2 1/2"	127	109	132	2,440
3"	75	76.1	3"	142	124	165	4,475

butterfly valve, IDF male/ weld end, air/spring (NC) (652I)



DN	a	d4	d5 - ACME	D	d13	l7	weight (kg)
1"	56	25.4	1"	87	89	231	4,355
1½"	61	38.1	1 1/2"	97	89	236	4,620
2"	61	50.8	2"	110	89	242	4,940
2½"	63	63.5	2 1/2"	127	89	251	5,470
3"	75	76.1	3"	142	89	260	7,135

butterfly valve, IDF male/ weld end (652I)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
1"	o 161.08.11E.0077	o 161.08.11H.0077	o 161.08.11S.0077	o 161.08.11V.0077
1½"	o 161.10.11E.0077	o 161.10.11H.0077	o 161.10.11S.0077	o 161.10.11V.0077
2"	o 161.11.11E.0077	o 161.11.11H.0077	o 161.11.11S.0077	o 161.11.11V.0077
2½"	o 161.12.11E.0077	o 161.12.11H.0077	o 161.12.11S.0077	o 161.12.11V.0077
3"	o 161.13.11E.0077	o 161.13.11H.0077	o 161.13.11S.0077	o 161.13.11V.0077

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, IDF male/ weld end (652I)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
1"	o 161.08.12E.0077	o 161.08.12H.0077	o 161.08.12S.0077	o 161.08.12V.0077
1½"	o 161.10.12E.0077	o 161.10.12H.0077	o 161.10.12S.0077	o 161.10.12V.0077
2"	o 161.11.12E.0077	o 161.11.12H.0077	o 161.11.12S.0077	o 161.11.12V.0077
2½"	o 161.12.12E.0077	o 161.12.12H.0077	o 161.12.12S.0077	o 161.12.12V.0077
3"	o 161.13.12E.0077	o 161.13.12H.0077	o 161.13.12S.0077	o 161.13.12V.0077

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, IDF male/ weld end, air/spring (NC) (652I)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
1"	o 162.08.11E.0077	o 162.08.11H.0077	o 162.08.11S.0077	o 162.08.11V.0077
1½"	o 162.10.11E.0077	o 162.10.11H.0077	o 162.10.11S.0077	o 162.10.11V.0077
2"	o 162.11.11E.0077	o 162.11.11H.0077	o 162.11.11S.0077	o 162.11.11V.0077
2½"	o 162.12.11E.0077	o 162.12.11H.0077	o 162.12.11S.0077	o 162.12.11V.0077
3"	o 162.13.11E.0077	o 162.13.11H.0077	o 162.13.11S.0077	o 162.13.11V.0077

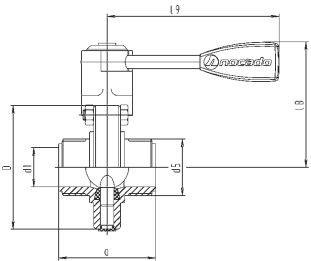
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, IDF male/ weld end, air/spring (NC) (652I)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
1"	o 162.08.12E.0077	o 162.08.12H.0077	o 162.08.12S.0077	o 162.08.12V.0077
1½"	o 162.10.12E.0077	o 162.10.12H.0077	o 162.10.12S.0077	o 162.10.12V.0077
2"	o 162.11.12E.0077	o 162.11.12H.0077	o 162.11.12S.0077	o 162.11.12V.0077
2½"	o 162.12.12E.0077	o 162.12.12H.0077	o 162.12.12S.0077	o 162.12.12V.0077
3"	o 162.13.12E.0077	o 162.13.12H.0077	o 162.13.12S.0077	o 162.13.12V.0077

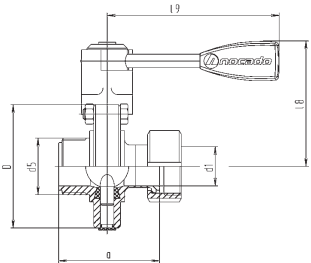
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, male/male, IDF (655I)



DN	a	dI	d5 - ACME	D	l8	l9	weight (kg)
1"	72	22.1	1"	87	89	132	1,500
1½"	72	34.8	1 1/2"	97	94	132	1,800
2"	72	47.5	2"	110	100	132	2,100
2½"	76	60.2	2 1/2"	127	109	132	2,700
3"	90	72.9	3"	142	124	165	4,800

butterfly valve, male/liner, IDF (656I)



DN	a	dI	d5 - ACME	D	l8	l9	weight (kg)
1"	77	22.1	1"	87	89	132	1,500
1½"	82	34.8	1 1/2"	97	94	132	1,800
2"	82	47.5	2"	110	100	132	2,100
2½"	84	60.2	2 1/2"	127	109	132	2,700
3"	96	72.9	3"	142	124	165	4,800

butterfly valve, male/male, IDF (655I)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
1"	● 161.08.11E.0012	● 161.08.11H.0012	● 161.08.11S.0012	● 161.08.11V.0012
1½"	● 161.10.11E.0012	● 161.10.11H.0012	● 161.10.11S.0012	● 161.10.11V.0012
2"	● 161.11.11E.0012	● 161.11.11H.0012	● 161.11.11S.0012	● 161.11.11V.0012
2½"	● 161.12.11E.0012	● 161.12.11H.0012	● 161.12.11S.0012	● 161.12.11V.0012
3"	● 161.13.11E.0012	● 161.13.11H.0012	● 161.13.11S.0012	● 161.13.11V.0012

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, male/male, IDF (655I)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
1"	● 161.08.12E.0012	● 161.08.12H.0012	● 161.08.12S.0012	● 161.08.12V.0012
1½"	● 161.10.12E.0012	● 161.10.12H.0012	● 161.10.12S.0012	● 161.10.12V.0012
2"	● 161.11.12E.0012	● 161.11.12H.0012	● 161.11.12S.0012	● 161.11.12V.0012
2½"	● 161.12.12E.0012	● 161.12.12H.0012	● 161.12.12S.0012	● 161.12.12V.0012
3"	● 161.13.12E.0012	● 161.13.12H.0012	● 161.13.12S.0012	● 161.13.12V.0012

matt finish: at 6th position use a digit 2 in the ident number

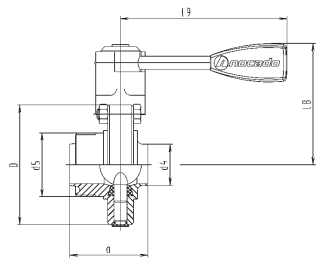
butterfly valve, male/liner, IDF (656I)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
1"	○ 161.08.11E.0078	○ 161.08.11H.0078	○ 161.08.11S.0078	○ 161.08.11V.0078
1½"	○ 161.10.11E.0078	○ 161.10.11H.0078	○ 161.10.11S.0078	○ 161.10.11V.0078
2"	○ 161.11.11E.0078	○ 161.11.11H.0078	○ 161.11.11S.0078	○ 161.11.11V.0078
2½"	○ 161.12.11E.0078	○ 161.12.11H.0078	○ 161.12.11S.0078	○ 161.12.11V.0078
3"	○ 161.13.11E.0078	○ 161.13.11H.0078	○ 161.13.11S.0078	○ 161.13.11V.0078

butterfly valve, male/liner, IDF (656I)

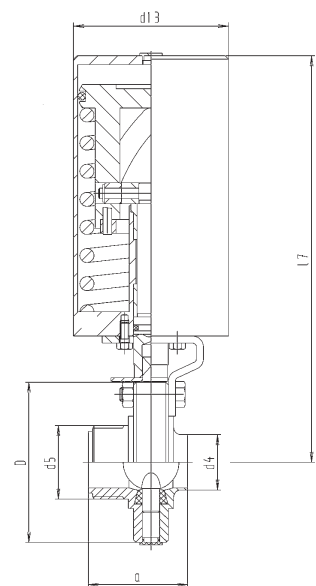
DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
1"	○ 161.08.12E.0078	○ 161.08.12H.0078	○ 161.08.12S.0078	○ 161.08.12V.0078
1½"	○ 161.10.12E.0078	○ 161.10.12H.0078	○ 161.10.12S.0078	○ 161.10.12V.0078
2"	○ 161.11.12E.0078	○ 161.11.12H.0078	○ 161.11.12S.0078	○ 161.11.12V.0078
2½"	○ 161.12.12E.0078	○ 161.12.12H.0078	○ 161.12.12S.0078	○ 161.12.12V.0078
3"	○ 161.13.12E.0078	○ 161.13.12H.0078	○ 161.13.12S.0078	○ 161.13.12V.0078

butterfly valve, male/ weld end, RJT (652R)



DN	a	d4	d5 - BS	D	l8	l9	weight (kg)
1"	57	25.4	46x1/8"	87	89	132	1,230
1½"	66	38.1	58,7x1/8"	97	94	132	1,760
2"	66	50.8	73x1/6"	110	100	132	2,025
2½"	68	63.5	85,7x1/6"	127	109	132	2,590
3"	80	76.1	98,4x1/6"	142	124	165	4,475

butterfly valve, RJT male/ weld end, air/spring (NC) (652R)



DN	a	d4	d5 - BS	D	d13	l7	weight (kg)
1"	57	25.4	46x1/8"	87	89	231	4,180
1½"	66	38.1	58,7x1/8"	97	89	236	4,720
2"	66	50.8	73x1/6"	110	89	242	5,015
2½"	68	63.5	85,7x1/6"	127	89	251	5,620
3"	80	76.1	98,4x1/6"	142	89	260	7,135

butterfly valve, male/ weld end, RJT (652R)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
1"	o 161.08.11E.0079	o 161.08.11H.0079	o 161.08.11S.0079	o 161.08.11V.0079
1½"	o 161.10.11E.0079	o 161.10.11H.0079	o 161.10.11S.0079	o 161.10.11V.0079
2"	o 161.11.11E.0079	o 161.11.11H.0079	o 161.11.11S.0079	o 161.11.11V.0079
2½"	o 161.12.11E.0079	o 161.12.11H.0079	o 161.12.11S.0079	o 161.12.11V.0079
3"	o 161.13.11E.0079	o 161.13.11H.0079	o 161.13.11S.0079	o 161.13.11V.0079

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, male/ weld end, RJT (652R)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
1"	o 161.08.12E.0079	o 161.08.12H.0079	o 161.08.12S.0079	o 161.08.12V.0079
1½"	o 161.10.12E.0079	o 161.10.12H.0079	o 161.10.12S.0079	o 161.10.12V.0079
2"	o 161.11.12E.0079	o 161.11.12H.0079	o 161.11.12S.0079	o 161.11.12V.0079
2½"	o 161.12.12E.0079	o 161.12.12H.0079	o 161.12.12S.0079	o 161.12.12V.0079
3"	o 161.13.12E.0079	o 161.13.12H.0079	o 161.13.12S.0079	o 161.13.12V.0079

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, RJT male/ weld end, air/spring (NC) (652R)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
1"	o 162.08.11E.0079	o 162.08.11H.0079	o 162.08.11S.0079	o 162.08.11V.0079
1½"	o 162.10.11E.0079	o 162.10.11H.0079	o 162.10.11S.0079	o 162.10.11V.0079
2"	o 162.11.11E.0079	o 162.11.11H.0079	o 162.11.11S.0079	o 162.11.11V.0079
2½"	o 162.12.11E.0079	o 162.12.11H.0079	o 162.12.11S.0079	o 162.12.11V.0079
3"	o 162.13.11E.0079	o 162.13.11H.0079	o 162.13.11S.0079	o 162.13.11V.0079

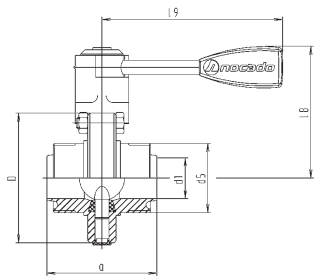
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, RJT male/ weld end, air/spring (NC) (652R)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
1"	o 162.08.12E.0079	o 162.08.12H.0079	o 162.08.12S.0079	o 162.08.12V.0079
1½"	o 162.10.12E.0079	o 162.10.12H.0079	o 162.10.12S.0079	o 162.10.12V.0079
2"	o 162.11.12E.0079	o 162.11.12H.0079	o 162.11.12S.0079	o 162.11.12V.0079
2½"	o 162.12.12E.0079	o 162.12.12H.0079	o 162.12.12S.0079	o 162.12.12V.0079
3"	o 162.13.12E.0079	o 162.13.12H.0079	o 162.13.12S.0079	o 162.13.12V.0079

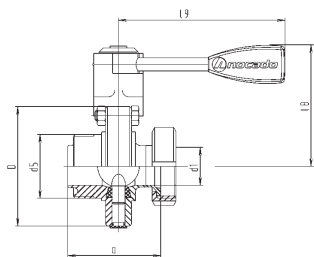
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, male/male, RJT (655R)



DN	a	d1	d5 - BS	D	l8	l9	weight (kg)
1"	74	22.9	46x1/8"	87	89	132	1,150
1½"	82	35.1	58.7x1/8"	97	94	132	2,000
2"	82	47.8	73x1/6"	110	100	132	2,250
2½"	86	60.5	85.7x1/6"	127	109	132	3,000
3"	100	97.6	98.4x1/6"	142	124	165	4,800

butterfly valve, male/liner, RJT (656R)



DN	d1	a	d5 - BS	D	l8	l9	weight (kg)
1"	22.2	77	46 x 1/8"	87	89	132	1,150
1½"	34.9	78	58,7 x 1/8"	97	94	132	2,000
2"	47.6	78	73,0 x 1/6"	110	100	132	2,250
2½"	60.3	80	85,7 x 1/6"	127	109	132	3,000
3"	73	92	98,4 x 1/6"	142	124	165	4,800

butterfly valve, male/male, RJT (655R)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
1"	● 161.08.11E.0013	● 161.08.11H.0013	● 161.08.11S.0013	● 161.08.11V.0013
1½"	● 161.10.11E.0013	● 161.10.11H.0013	● 161.10.11S.0013	● 161.10.11V.0013
2"	● 161.11.11E.0013	● 161.11.11H.0013	● 161.11.11S.0013	● 161.11.11V.0013
2½"	● 161.12.11E.0013	● 161.12.11H.0013	● 161.12.11S.0013	● 161.12.11V.0013
3"	● 161.13.11E.0013	● 161.13.11H.0013	● 161.13.11S.0013	● 161.13.11V.0013

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, male/liner, RJT (656R)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
1"	● 161.08.12E.0013	● 161.08.12H.0013	● 161.08.12S.0013	● 161.08.12V.0013
1½"	● 161.10.12E.0013	● 161.10.12H.0013	● 161.10.12S.0013	● 161.10.12V.0013
2"	● 161.11.12E.0013	● 161.11.12H.0013	● 161.11.12S.0013	● 161.11.12V.0013
2½"	● 161.12.12E.0013	● 161.12.12H.0013	● 161.12.12S.0013	● 161.12.12V.0013
3"	● 161.13.12E.0013	● 161.13.12H.0013	● 161.13.12S.0013	● 161.13.12V.0013

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, male/liner, RJT (656R)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
1"	○ 161.08.11E.0080	○ 161.08.11H.0080	○ 161.08.11S.0080	○ 161.08.11V.0080
1½"	○ 161.10.11E.0080	○ 161.10.11H.0080	○ 161.10.11S.0080	○ 161.10.11V.0080
2"	○ 161.11.11E.0080	○ 161.11.11H.0080	○ 161.11.11S.0080	○ 161.11.11V.0080
2½"	○ 161.12.11E.0080	○ 161.12.11H.0080	○ 161.12.11S.0080	○ 161.12.11V.0080
3"	○ 161.13.11E.0080	○ 161.13.11H.0080	○ 161.13.11S.0080	○ 161.13.11V.0080

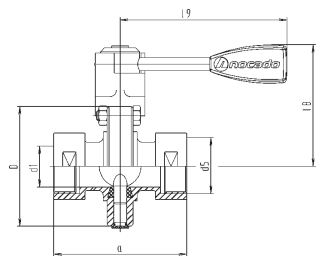
matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, male/liner, RJT (656R)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
1"	○ 161.08.12E.0080	○ 161.08.12H.0080	○ 161.08.12S.0080	○ 161.08.12V.0080
1½"	○ 161.10.12E.0080	○ 161.10.12H.0080	○ 161.10.12S.0080	○ 161.10.12V.0080
2"	○ 161.11.12E.0080	○ 161.11.12H.0080	○ 161.11.12S.0080	○ 161.11.12V.0080
2½"	○ 161.12.12E.0080	○ 161.12.12H.0080	○ 161.12.12S.0080	○ 161.12.12V.0080
3"	○ 161.13.12E.0080	○ 161.13.12H.0080	○ 161.13.12S.0080	○ 161.13.12V.0080

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, inside/inside R-thread, BSP



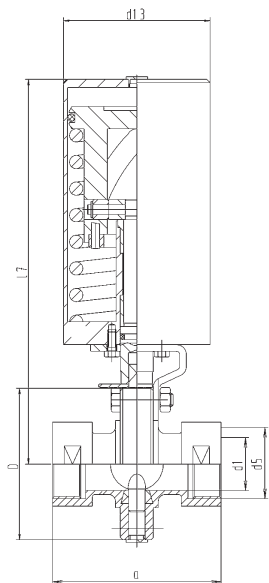
DN	a	d1	d5	D	l8	l9	weight (kg)
1"	100	26	R 1"	87	89	132	1,730
1½"	110	38	R 1 1/2"	97	94	132	2,060
2"	110	50	R 2"	110	100	132	2,460
2½"	114	66	R 2 1/2"	127	109	132	3,040
3"	134	81	R 3"	142	124	165	5,150
4"	154	100	R 4"	162	135	165	6,100

butterfly valve, inside/inside R-thread, BSP

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
1"	o 161.08.11E.0082	o 161.08.11H.0082	o 161.08.11S.0082	o 161.08.11V.0082
1½"	o 161.10.11E.0082	o 161.10.11H.0082	o 161.10.11S.0082	o 161.10.11V.0082
2"	o 161.11.11E.0082	o 161.11.11H.0082	o 161.11.11S.0082	o 161.11.11V.0082
2½"	o 161.12.11E.0082	o 161.12.11H.0082	o 161.12.11S.0082	o 161.12.11V.0082
3"	o 161.13.11E.0082	o 161.13.11H.0082	o 161.13.11S.0082	o 161.13.11V.0082
4"	o 161.15.11E.0082	o 161.15.11H.0082	o 161.15.11S.0082	o 161.15.11V.0082

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, inside/inside R-thread, air/spring (NC), BSP



DN	a	d1	d5	D	d13	l7	weight (kg)
1"	100	26	R 1"	87	89	231	4,800
1½"	110	38	R 1 1/2"	97	89	236	5,020
2"	110	50	R 2"	110	89	242	5,450
2½"	114	66	R 2 1/2"	127	89	251	6,070
3"	134	81	R 3"	142	89	260	7,810
4"	154	100	R 4"	162	89	270	8,790

butterfly valve, inside/inside R-thread, BSP

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
1"	o 161.08.12E.0082	o 161.08.12H.0082	o 161.08.12S.0082	o 161.08.12V.0082
1½"	o 161.10.12E.0082	o 161.10.12H.0082	o 161.10.12S.0082	o 161.10.12V.0082
2"	o 161.11.12E.0082	o 161.11.12H.0082	o 161.11.12S.0082	o 161.11.12V.0082
2½"	o 161.12.12E.0082	o 161.12.12H.0082	o 161.12.12S.0082	o 161.12.12V.0082
3"	o 161.13.12E.0082	o 161.13.12H.0082	o 161.13.12S.0082	o 161.13.12V.0082
4"	o 161.15.12E.0082	o 161.15.12H.0082	o 161.15.12S.0082	o 161.15.12V.0082

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, inside/inside R-thread, air/spring (NC), BSP

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
1"	o 162.08.11E.0082	o 162.08.11H.0082	o 162.08.11S.0082	o 162.08.11V.0082
1½"	o 162.10.11E.0082	o 162.10.11H.0082	o 162.10.11S.0082	o 162.10.11V.0082
2"	o 162.11.11E.0082	o 162.11.11H.0082	o 162.11.11S.0082	o 162.11.11V.0082
2½"	o 162.12.11E.0082	o 162.12.11H.0082	o 162.12.11S.0082	o 162.12.11V.0082
3"	o 162.13.11E.0082	o 162.13.11H.0082	o 162.13.11S.0082	o 162.13.11V.0082
4"	o 162.15.11E.0082	o 162.15.11H.0082	o 162.15.11S.0082	o 162.15.11V.0082

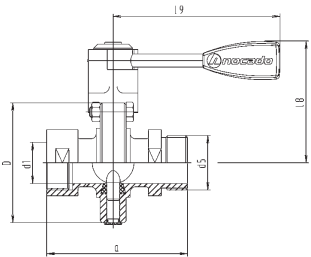
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, inside/inside R-thread, air/spring (NC), BSP

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
1"	o 162.08.12E.0082	o 162.08.12H.0082	o 162.08.12S.0082	o 162.08.12V.0082
1½"	o 162.10.12E.0082	o 162.10.12H.0082	o 162.10.12S.0082	o 162.10.12V.0082
2"	o 162.11.12E.0082	o 162.11.12H.0082	o 162.11.12S.0082	o 162.11.12V.0082
2½"	o 162.12.12E.0082	o 162.12.12H.0082	o 162.12.12S.0082	o 162.12.12V.0082
3"	o 162.13.12E.0082	o 162.13.12H.0082	o 162.13.12S.0082	o 162.13.12V.0082
4"	o 162.15.12E.0082	o 162.15.12H.0082	o 162.15.12S.0082	o 162.15.12V.0082

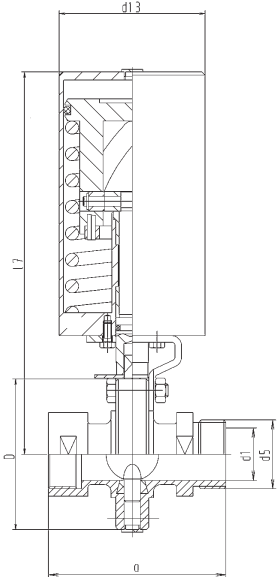
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve, inside/outside R-thread, BSP



DN	a	d1	d5	D	l8	l9	weight (kg)
1"	106	26	R 1"	87	89	132	1,650
1½"	116	38	R 1 1/2"	97	94	132	1,930
2"	116	50	R 2"	110	100	132	2,290
2½"	120	66	R 2 1/2"	127	109	132	2,840
3"	142	81	R 3"	142	124	165	4,950
4"	161	100	R 4"	162	135	165	6,060

butterfly valve, inside/outside R-thread air/spring (NC), BSP



DN	a	d1	d5	D	d13	l7	weight (kg)
1"	106	26	R 1"	87	89	231	4,600
1½"	116	38	R 1 1/2"	97	89	236	4,890
2"	116	50	R 2"	110	89	242	5,280
2½"	120	66	R 2 1/2"	127	89	251	5,870
3"	142	81	R 3"	142	89	260	7,610
4"	161	100	R 4"	162	89	270	8,750

butterfly valve, inside/outside R-thread, BSP

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
1"	o 161.08.11E.0083	o 161.08.11H.0083	o 161.08.11S.0083	o 161.08.11V.0083
1½"	o 161.10.11E.0083	o 161.10.11H.0083	o 161.10.11S.0083	o 161.10.11V.0083
2"	o 161.11.11E.0083	o 161.11.11H.0083	o 161.11.11S.0083	o 161.11.11V.0083
2½"	o 161.12.11E.0083	o 161.12.11H.0083	o 161.12.11S.0083	o 161.12.11V.0083
3"	o 161.13.11E.0083	o 161.13.11H.0083	o 161.13.11S.0083	o 161.13.11V.0083
4"	o 161.15.11E.0083	o 161.15.11H.0083	o 161.15.11S.0083	o 161.15.11V.0083

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, inside/outside R-thread, BSP

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
1"	o 161.08.12E.0083	o 161.08.12H.0083	o 161.08.12S.0083	o 161.08.12V.0083
1½"	o 161.10.12E.0083	o 161.10.12H.0083	o 161.10.12S.0083	o 161.10.12V.0083
2"	o 161.11.12E.0083	o 161.11.12H.0083	o 161.11.12S.0083	o 161.11.12V.0083
2½"	o 161.12.12E.0083	o 161.12.12H.0083	o 161.12.12S.0083	o 161.12.12V.0083
3"	o 161.13.12E.0083	o 161.13.12H.0083	o 161.13.12S.0083	o 161.13.12V.0083
4"	o 161.15.12E.0083	o 161.15.12H.0083	o 161.15.12S.0083	o 161.15.12V.0083

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve, inside/outside R-thread air/spring (NC), BSP

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
1"	o 162.08.11E.0083	o 162.08.11H.0083	o 162.08.11S.0083	o 162.08.11V.0083
1½"	o 162.10.11E.0083	o 162.10.11H.0083	o 162.10.11S.0083	o 162.10.11V.0083
2"	o 162.11.11E.0083	o 162.11.11H.0083	o 162.11.11S.0083	o 162.11.11V.0083
2½"	o 162.12.11E.0083	o 162.12.11H.0083	o 162.12.11S.0083	o 162.12.11V.0083
3"	o 162.13.11E.0083	o 162.13.11H.0083	o 162.13.11S.0083	o 162.13.11V.0083
4"	o 162.15.11E.0083	o 162.15.11H.0083	o 162.15.11S.0083	o 162.15.11V.0083

matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

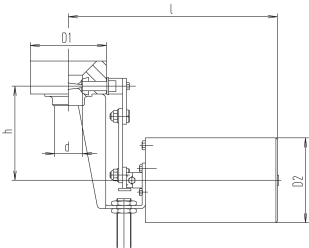
butterfly valve, inside/outside R-thread air/spring (NC), BSP

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
1"	o 162.08.12E.0083	o 162.08.12H.0083	o 162.08.12S.0083	o 162.08.12V.0083
1½"	o 162.10.12E.0083	o 162.10.12H.0083	o 162.10.12S.0083	o 162.10.12V.0083
2"	o 162.11.12E.0083	o 162.11.12H.0083	o 162.11.12S.0083	o 162.11.12V.0083
2½"	o 162.12.12E.0083	o 162.12.12H.0083	o 162.12.12S.0083	o 162.12.12V.0083
3"	o 162.13.12E.0083	o 162.13.12H.0083	o 162.13.12S.0083	o 162.13.12V.0083
4"	o 162.15.12E.0083	o 162.15.12H.0083	o 162.15.12S.0083	o 162.15.12V.0083

matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available



tank bottom butterfly valve, air/spring (NC), DIN



DN	d	D1	D2	h	l	weight (kg)
40	38	97	90	120	259	4,807
50	50	110	90	120	265.5	5,694
65	66	127	108	120	305.5	8,177
75	72	142	108	120	313	9,665
80	81	142	108	120	313	9,278
100	100	162	108	120	323.5	10,353



tank bottom butterfly valve, air/spring (NC), DIN

DN	316 L EPDM polished Ident number	316 L EPDM matt Ident number	316 L HNBR polished Ident number	316 L EPDM matt Ident number
40	o 162.10.12E.0086	o 162.10.22E.0086	o 162.10.12H.0086	o 162.10.22H.0086
50	o 162.11.12E.0086	o 162.11.22E.0086	o 162.11.12H.0086	o 162.11.22H.0086
65	o 162.12.12E.0086	o 162.12.22E.0086	o 162.12.12H.0086	o 162.12.22H.0086
75	o 162.13.12E.0086	o 162.13.22E.0086	o 162.13.12H.0086	o 162.13.22H.0086
80	o 162.14.12E.0086	o 162.14.22E.0086	o 162.14.12H.0086	o 162.14.22H.0086
100	o 162.15.12E.0086	o 162.15.22E.0086	o 162.15.12H.0086	o 162.15.22H.0086

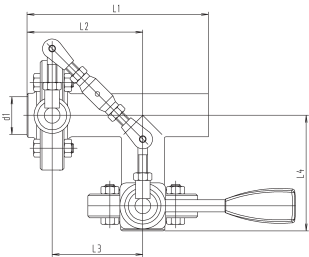
further versions on demand

tank bottom butterfly valve, air/spring (NC), DIN

DN	316 L MVQ polished Ident number	316 L MVQ matt Ident number	316 L FPM polished Ident number	316 L FPM matt Ident number
40	o 162.10.12S.0086	o 162.10.22S.0086	o 162.10.12V.0086	o 162.10.22V.0086
50	o 162.11.12S.0086	o 162.11.22S.0086	o 162.11.12V.0086	o 162.11.22V.0086
65	o 162.12.12S.0086	o 162.12.22S.0086	o 162.12.12V.0086	o 162.12.22V.0086
75	o 162.13.12S.0086	o 162.13.22S.0086	o 162.13.12V.0086	o 162.13.22V.0086
80	o 162.14.12S.0086	o 162.14.22S.0086	o 162.14.12V.0086	o 162.14.22V.0086
100	o 162.15.12S.0086	o 162.15.22S.0086	o 162.15.12V.0086	o 162.15.22V.0086

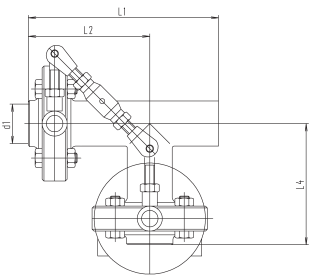
further versions on demand

butterfly valve t-combi. angle action, weld ends (f. tub.acc. DIN 11850 line 2)



DN	d1	I1	I2	I3	I4	weight (kg)
25	26	140	90	69	90	-
32	32	152	97	75	97	-
40	38	170	110	80	110	-
50	50	190	120	89	120	-
65	66	210	130	101	130	-
80	81	240	150	115	150	-
100	100	264	164	130	164	-

butterfly valve t-combi. angle action, weld ends, air/spr. (NC) (f. tub. acc. DIN 11850 I.2)



DN	d1	I1	I2	I4	weight (kg)
25	26	140	90	90	-
32	32	152	97	97	-
40	38	170	110	110	-
50	50	190	120	120	-
65	66	210	130	130	-
80	81	240	150	150	-
100	100	264	164	164	-

butterfly valve t-combi. angle action, weld ends (f. tub. acc. DIN 11850 line 2)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
25	o 163.08.11E.0012	o 163.08.11H.0012	o 163.08.11S.0012	o 163.08.11V.0012
32	o 163.09.11E.0012	o 163.09.11H.0012	o 163.09.11S.0012	o 163.09.11V.0012
40	o 163.10.11E.0012	o 163.10.11H.0012	o 163.10.11S.0012	o 163.10.11V.0012
50	o 163.11.11E.0012	o 163.11.11H.0012	o 163.11.11S.0012	o 163.11.11V.0012
65	o 163.12.11E.0012	o 163.12.11H.0012	o 163.12.11S.0012	o 163.12.11V.0012
80	o 163.14.11E.0012	o 163.14.11H.0012	o 163.14.11S.0012	o 163.14.11V.0012
100	o 163.15.11E.0012	o 163.15.11H.0012	o 163.15.11S.0012	o 163.15.11V.0012

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve t-combi. angle action, weld ends (f. tub. acc. DIN 11850 line 2)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
25	o 163.08.12E.0012	o 163.08.12H.0012	o 163.08.12S.0012	o 163.08.12V.0012
32	o 163.09.12E.0012	o 163.09.12H.0012	o 163.09.12S.0012	o 163.09.12V.0012
40	o 163.10.12E.0012	o 163.10.12H.0012	o 163.10.12S.0012	o 163.10.12V.0012
50	o 163.11.12E.0012	o 163.11.12H.0012	o 163.11.12S.0012	o 163.11.12V.0012
65	o 163.12.12E.0012	o 163.12.12H.0012	o 163.12.12S.0012	o 163.12.12V.0012
80	o 163.14.12E.0012	o 163.14.12H.0012	o 163.14.12S.0012	o 163.14.12V.0012
100	o 163.15.12E.0012	o 163.15.12H.0012	o 163.15.12S.0012	o 163.15.12V.0012

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve t-combi. angle action, weld ends, air/spr. (NC) (f. tub. acc. DIN 11850 I.2)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
25	o 164.08.11E.0012	o 164.08.11H.0012	o 164.08.11S.0012	o 164.08.11V.0012
32	o 164.09.11E.0012	o 164.09.11H.0012	o 164.09.11S.0012	o 164.09.11V.0012
40	o 164.10.11E.0012	o 164.10.11H.0012	o 164.10.11S.0012	o 164.10.11V.0012
50	o 164.11.11E.0012	o 164.11.11H.0012	o 164.11.11S.0012	o 164.11.11V.0012
65	o 164.12.11E.0012	o 164.12.11H.0012	o 164.12.11S.0012	o 164.12.11V.0012
80	o 164.14.11E.0012	o 164.14.11H.0012	o 164.14.11S.0012	o 164.14.11V.0012
100	o 164.15.11E.0012	o 164.15.11H.0012	o 164.15.11S.0012	o 164.15.11V.0012

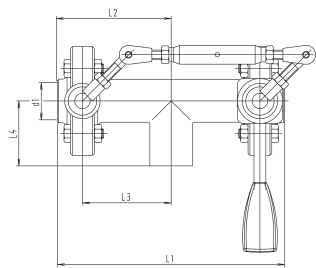
matt finish: at 6th position use a digit 2 in the ident number

butterfly valve t-combi. angle action, weld ends, air/spr. (NC) (f. tub. acc. DIN 11850 I.2)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
25	o 164.08.12E.0012	o 164.08.12H.0012	o 164.08.12S.0012	o 164.08.12V.0012
32	o 164.09.12E.0012	o 164.09.12H.0012	o 164.09.12S.0012	o 164.09.12V.0012
40	o 164.10.12E.0012	o 164.10.12H.0012	o 164.10.12S.0012	o 164.10.12V.0012
50	o 164.11.12E.0012	o 164.11.12H.0012	o 164.11.12S.0012	o 164.11.12V.0012
65	o 164.12.12E.0012	o 164.12.12H.0012	o 164.12.12S.0012	o 164.12.12V.0012
80	o 164.14.12E.0012	o 164.14.12H.0012	o 164.14.12S.0012	o 164.14.12V.0012
100	o 164.15.12E.0012	o 164.15.12H.0012	o 164.15.12S.0012	o 164.15.12V.0012

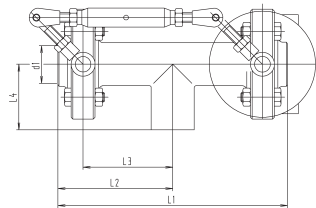
matt finish: at 6th position use a digit 2 in the ident number

butterfly valve t-combi. straight action, weld ends (f. tub.acc. DIN 11850 line 2)



DN	dI	I1	I2	I3	I4	weight (kg)
25	26	180	90	69	50	-
32	32	194	97	75	55	-
40	38	220	110	80	60	-
50	50	240	120	89	70	-
65	66	260	130	101	80	-
80	81	300	150	115	90	-
100	100	328	164	130	100	-

butterfly valve t-combi. straight action, weld ends, air/spr. (NC) (f. tub. acc. DIN 11850 2)



DN	dI	I1	I2	I3	I4	weight (kg)
25	26	180	90	69	50	-
32	32	194	97	75	55	-
40	38	220	110	80	60	-
50	50	240	120	89	70	-
65	66	260	130	101	80	-
80	81	300	150	115	90	-
100	100	328	164	130	100	-

butterfly valve t-combi. straight action, weld ends (f. tub.acc. DIN 11850 line 2)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
25	o 163.08.11E.0013	o 163.08.11H.0013	o 163.08.11S.0013	o 163.08.11V.0013
32	o 163.09.11E.0013	o 163.09.11H.0013	o 163.09.11S.0013	o 163.09.11V.0013
40	o 163.10.11E.0013	o 163.10.11H.0013	o 163.10.11S.0013	o 163.10.11V.0013
50	o 163.11.11E.0013	o 163.11.11H.0013	o 163.11.11S.0013	o 163.11.11V.0013
65	o 163.12.11E.0013	o 163.12.11H.0013	o 163.12.11S.0013	o 163.12.11V.0013
80	o 163.14.11E.0013	o 163.14.11H.0013	o 163.14.11S.0013	o 163.14.11V.0013
100	o 163.15.11E.0013	o 163.15.11H.0013	o 163.15.11S.0013	o 163.15.11V.0013

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve t-combi. straight action, weld ends (f. tub.acc. DIN 11850 line 2)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
25	o 163.08.12E.0013	o 163.08.12H.0013	o 163.08.12S.0013	o 163.08.12V.0013
32	o 163.09.12E.0013	o 163.09.12H.0013	o 163.09.12S.0013	o 163.09.12V.0013
40	o 163.10.12E.0013	o 163.10.12H.0013	o 163.10.12S.0013	o 163.10.12V.0013
50	o 163.11.12E.0013	o 163.11.12H.0013	o 163.11.12S.0013	o 163.11.12V.0013
65	o 163.12.12E.0013	o 163.12.12H.0013	o 163.12.12S.0013	o 163.12.12V.0013
80	o 163.14.12E.0013	o 163.14.12H.0013	o 163.14.12S.0013	o 163.14.12V.0013
100	o 163.15.12E.0013	o 163.15.12H.0013	o 163.15.12S.0013	o 163.15.12V.0013

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve t-combi. straight action, weld ends, air/spr. (NC) (f. tub. acc. DIN 11850 2)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
25	o 164.08.11E.0013	o 164.08.11H.0013	o 164.08.11S.0013	o 164.08.11V.0013
32	o 164.09.11E.0013	o 164.09.11H.0013	o 164.09.11S.0013	o 164.09.11V.0013
40	o 164.10.11E.0013	o 164.10.11H.0013	o 164.10.11S.0013	o 164.10.11V.0013
50	o 164.11.11E.0013	o 164.11.11H.0013	o 164.11.11S.0013	o 164.11.11V.0013
65	o 164.12.11E.0013	o 164.12.11H.0013	o 164.12.11S.0013	o 164.12.11V.0013
80	o 164.14.11E.0013	o 164.14.11H.0013	o 164.14.11S.0013	o 164.14.11V.0013
100	o 164.15.11E.0013	o 164.15.11H.0013	o 164.15.11S.0013	o 164.15.11V.0013

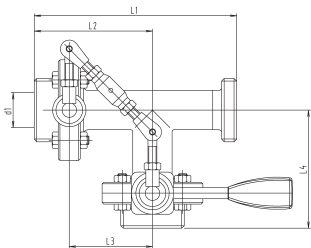
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve t-combi. straight action, weld ends, air/spr. (NC) (f. tub. acc. DIN 11850 2)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
25	o 164.08.12E.0013	o 164.08.12H.0013	o 164.08.12S.0013	o 164.08.12V.0013
32	o 164.09.12E.0013	o 164.09.12H.0013	o 164.09.12S.0013	o 164.09.12V.0013
40	o 164.10.12E.0013	o 164.10.12H.0013	o 164.10.12S.0013	o 164.10.12V.0013
50	o 164.11.12E.0013	o 164.11.12H.0013	o 164.11.12S.0013	o 164.11.12V.0013
65	o 164.12.12E.0013	o 164.12.12H.0013	o 164.12.12S.0013	o 164.12.12V.0013
80	o 164.14.12E.0013	o 164.14.12H.0013	o 164.14.12S.0013	o 164.14.12V.0013
100	o 164.15.12E.0013	o 164.15.12H.0013	o 164.15.12S.0013	o 164.15.12V.0013

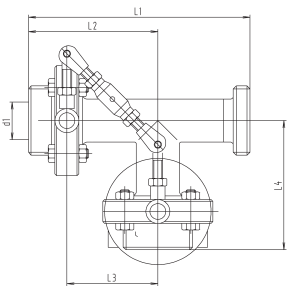
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve t-combination, DIN 11851 male, angle action



DN	dI	I1	I2	I3	I4	weight (kg)
25	26	173	101	69	101	-
32	32	184	107	75	107	-
40	38	198	116	80	116	-
50	50	218	125	89	125	-
65	66	244	139	101	139	-
80	81	280	165	115	165	-
100	100	312	182	130	182	-

butterfly valve t-combi. DIN 11851 male, angle action, air/spring (NC)



DN	dI	I1	I2	I3	I4	weight (kg)
25	26	173	101	69	101	-
32	32	184	107	75	107	-
40	38	198	116	80	116	-
50	50	218	125	89	125	-
65	66	244	139	101	139	-
80	81	280	165	115	165	-
100	100	312	182	130	182	-

butterfly valve t-combination, DIN 11851 male, angle action

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
25	o 163.08.11E.0014	o 163.08.11H.0014	o 163.08.11S.0014	o 163.08.11V.0014
32	o 163.09.11E.0014	o 163.09.11H.0014	o 163.09.11S.0014	o 163.09.11V.0014
40	o 163.10.11E.0014	o 163.10.11H.0014	o 163.10.11S.0014	o 163.10.11V.0014
50	o 163.11.11E.0014	o 163.11.11H.0014	o 163.11.11S.0014	o 163.11.11V.0014
65	o 163.12.11E.0014	o 163.12.11H.0014	o 163.12.11S.0014	o 163.12.11V.0014
80	o 163.14.11E.0014	o 163.14.11H.0014	o 163.14.11S.0014	o 163.14.11V.0014
100	o 163.15.11E.0014	o 163.15.11H.0014	o 163.15.11S.0014	o 163.15.11V.0014

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve t-combi. DIN 11851 male, angle action, air/spring (NC)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
25	o 163.08.12E.0014	o 163.08.12H.0014	o 163.08.12S.0014	o 163.08.12V.0014
32	o 163.09.12E.0014	o 163.09.12H.0014	o 163.09.12S.0014	o 163.09.12V.0014
40	o 163.10.12E.0014	o 163.10.12H.0014	o 163.10.12S.0014	o 163.10.12V.0014
50	o 163.11.12E.0014	o 163.11.12H.0014	o 163.11.12S.0014	o 163.11.12V.0014
65	o 163.12.12E.0014	o 163.12.12H.0014	o 163.12.12S.0014	o 163.12.12V.0014
80	o 163.14.12E.0014	o 163.14.12H.0014	o 163.14.12S.0014	o 163.14.12V.0014
100	o 163.15.12E.0014	o 163.15.12H.0014	o 163.15.12S.0014	o 163.15.12V.0014

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve t-combi. DIN 11851 male, angle action, air/spring (NC)

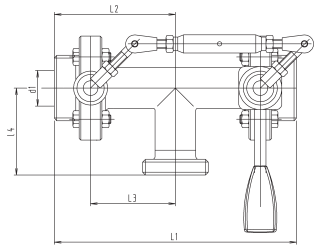
DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
25	o 164.08.11E.0014	o 164.08.11H.0014	o 164.08.11S.0014	o 164.08.11V.0014
32	o 164.09.11E.0014	o 164.09.11H.0014	o 164.09.11S.0014	o 164.09.11V.0014
40	o 164.10.11E.0014	o 164.10.11H.0014	o 164.10.11S.0014	o 164.10.11V.0014
50	o 164.11.11E.0014	o 164.11.11H.0014	o 164.11.11S.0014	o 164.11.11V.0014
65	o 164.12.11E.0014	o 164.12.11H.0014	o 164.12.11S.0014	o 164.12.11V.0014
80	o 164.14.11E.0014	o 164.14.11H.0014	o 164.14.11S.0014	o 164.14.11V.0014
100	o 164.15.11E.0014	o 164.15.11H.0014	o 164.15.11S.0014	o 164.15.11V.0014

matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
25	o 164.08.12E.0014	o 164.08.12H.0014	o 164.08.12S.0014	o 164.08.12V.0014
32	o 164.09.12E.0014	o 164.09.12H.0014	o 164.09.12S.0014	o 164.09.12V.0014
40	o 164.10.12E.0014	o 164.10.12H.0014	o 164.10.12S.0014	o 164.10.12V.0014
50	o 164.11.12E.0014	o 164.11.12H.0014	o 164.11.12S.0014	o 164.11.12V.0014
65	o 164.12.12E.0014	o 164.12.12H.0014	o 164.12.12S.0014	o 164.12.12V.0014
80	o 164.14.12E.0014	o 164.14.12H.0014	o 164.14.12S.0014	o 164.14.12V.0014
100	o 164.15.12E.0014	o 164.15.12H.0014	o 164.15.12S.0014	o 164.15.12V.0014

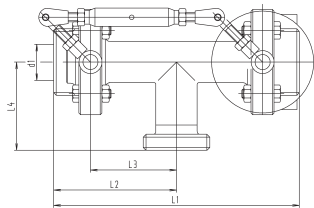
matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve t-combination, DIN 11851 male, straight action



DN	dI	I1	I2	I3	I4	weight (kg)
25	26	202	101	69	72	-
32	32	214	107	75	77	-
40	38	232	116	80	82	-
50	50	250	125	89	93	-
65	66	278	139	101	105	-
80	81	330	165	115	115	-
100	100	364	182	130	130	-

butterfly valve t-combi. DIN 11851 male, straight action, air/spring (NC)



DN	dI	I1	I2	I3	I4	weight (kg)
25	26	202	101	69	72	-
32	32	214	107	75	77	-
40	38	232	116	80	82	-
50	50	250	125	89	93	-
65	66	278	139	101	105	-
80	81	330	165	115	115	-
100	100	364	182	130	130	-

butterfly valve t-combination, DIN 11851 male, straight action

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
25	o 163.08.11E.0015	o 163.08.11H.0015	o 163.08.11S.0015	o 163.08.11V.0015
32	o 163.09.11E.0015	o 163.09.11H.0015	o 163.09.11S.0015	o 163.09.11V.0015
40	o 163.10.11E.0015	o 163.10.11H.0015	o 163.10.11S.0015	o 163.10.11V.0015
50	o 163.11.11E.0015	o 163.11.11H.0015	o 163.11.11S.0015	o 163.11.11V.0015
65	o 163.12.11E.0015	o 163.12.11H.0015	o 163.12.11S.0015	o 163.12.11V.0015
80	o 163.14.11E.0015	o 163.14.11H.0015	o 163.14.11S.0015	o 163.14.11V.0015
100	o 163.15.11E.0015	o 163.15.11H.0015	o 163.15.11S.0015	o 163.15.11V.0015

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve t-combination, DIN 11851 male, straight action

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
25	o 163.08.12E.0015	o 163.08.12H.0015	o 163.08.12S.0015	o 163.08.12V.0015
32	o 163.09.12E.0015	o 163.09.12H.0015	o 163.09.12S.0015	o 163.09.12V.0015
40	o 163.10.12E.0015	o 163.10.12H.0015	o 163.10.12S.0015	o 163.10.12V.0015
50	o 163.11.12E.0015	o 163.11.12H.0015	o 163.11.12S.0015	o 163.11.12V.0015
65	o 163.12.12E.0015	o 163.12.12H.0015	o 163.12.12S.0015	o 163.12.12V.0015
80	o 163.14.12E.0015	o 163.14.12H.0015	o 163.14.12S.0015	o 163.14.12V.0015
100	o 163.15.12E.0015	o 163.15.12H.0015	o 163.15.12S.0015	o 163.15.12V.0015

matt finish: at 6th position use a digit 2 in the ident number

butterfly valve t-combi. DIN 11851 male, straight action, air/spring (NC)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
25	o 164.08.11E.0015	o 164.08.11H.0015	o 164.08.11S.0015	o 164.08.11V.0015
32	o 164.09.11E.0015	o 164.09.11H.0015	o 164.09.11S.0015	o 164.09.11V.0015
40	o 164.10.11E.0015	o 164.10.11H.0015	o 164.10.11S.0015	o 164.10.11V.0015
50	o 164.11.11E.0015	o 164.11.11H.0015	o 164.11.11S.0015	o 164.11.11V.0015
65	o 164.12.11E.0015	o 164.12.11H.0015	o 164.12.11S.0015	o 164.12.11V.0015
80	o 164.14.11E.0015	o 164.14.11H.0015	o 164.14.11S.0015	o 164.14.11V.0015
100	o 164.15.11E.0015	o 164.15.11H.0015	o 164.15.11S.0015	o 164.15.11V.0015

matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

butterfly valve t-combi. DIN 11851 male, straight action, air/spring (NC)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
25	o 164.08.12E.0015	o 164.08.12H.0015	o 164.08.12S.0015	o 164.08.12V.0015
32	o 164.09.12E.0015	o 164.09.12H.0015	o 164.09.12S.0015	o 164.09.12V.0015
40	o 164.10.12E.0015	o 164.10.12H.0015	o 164.10.12S.0015	o 164.10.12V.0015
50	o 164.11.12E.0015	o 164.11.12H.0015	o 164.11.12S.0015	o 164.11.12V.0015
65	o 164.12.12E.0015	o 164.12.12H.0015	o 164.12.12S.0015	o 164.12.12V.0015
80	o 164.14.12E.0015	o 164.14.12H.0015	o 164.14.12S.0015	o 164.14.12V.0015
100	o 164.15.12E.0015	o 164.15.12H.0015	o 164.15.12S.0015	o 164.15.12V.0015

matt finish: at 6th position use a digit 2 in the ident number - version FL (NO) and LL (air/air) available

Leakage butterfly valves

Application

- Wherever reliable separation of media is required and where the increased switching leakage compared to double seat mixproof valves and double seat valves can be compensated by the more economical price of the leakage butterfly valve.

Features

- In the basic version, two butterfly valves and one leakage valve are always switched simultaneously. As an extra option, leakage butterfly valves are available with rinsing valve.

When both butterfly flaps are closed, the leakage valve is open. If leakage occurs in one of the butterfly valves, e.g. because a foreign body got stuck, the leakage can flow out under atmospheric pressure.

Besides the mechanical restricted guidance, a restricted guidance can also be obtained by the control unit. This reduces the switching losses at comparable investment costs.

- Hygienic
- Extremely sturdy, reliable in operation
- Available in nominal sizes from DN 25 to DN 125
- Always produced of forged or hot-rolled material

Design

- Manually actuated
- Pneumatically actuated
 - spring opening
 - spring closing
 - air/air
- For welding on
- As intermediate flange version
- With pipe connections from the Nocado lines
- End position feedback with
 - proximity initiators (also Namur)
 - mechanical limit switches
- Control head also with bus
- Sealing materials according to FDA directive
 - Silicone (also transparent version)
 - HNBR
 - EPDM
 - Viton

	nocanorm	nocaplus
Material:	AISI 304/304 L* AISI 316L**	AISI 316 L**, special stainless steel or titanium on request
Surface:	matt, machine-finished in contact with product $R_a < 1.6 \mu\text{m}$	electro-polished, matt blasted, other surfaces on request in contact with product $R_a < 0.8 \mu\text{m}$
Documentation:		specific test report 2.2 according to EN 10204, e.g. material certificate inspection certificate 3.1 according to EN 10204, e.g. material traceability from melting to finished product operating instructions and spare parts lists
Pressure:	PN 10	PN 10, higher pressures available on request

*AISI 304/304 L similar to 1.4301/1.4307

** AISI 316 L similar to 1.4404/1.4435

Leakage butterfly valves

Planning instructions

It is necessary to perform and document a risk analysis for each new installation to refute the reproach of negligence in the event of damage.

In certain areas, e.g. the separation of the operating or service water network from the public water supply, mixproof shut-off systems are required.

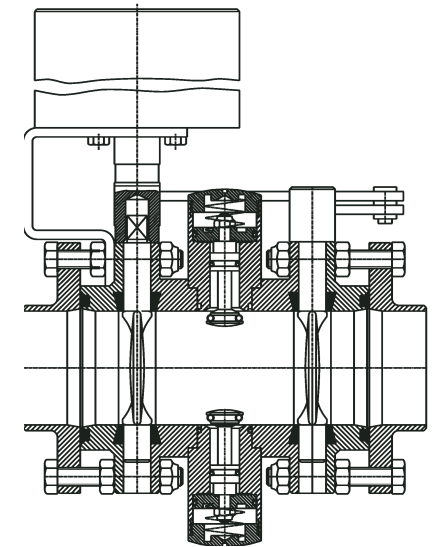
When analysing the risk, it is necessary to decide for each individual component the probability of component failure and the possible consequences in such cases. It is also necessary to consider the operating states that could occur in the event of a malfunction in which a component can no longer fulfill its function (e.g. "shut-off"), e.g. in the case of pressure increase resulting from thermal expansion.

If a hazard exists for employees or customers, suitable measures must be taken to prevent such hazard.

Since gaskets are subject to wear, it is never possible to exclude the possibility of a gasket failure. Usually, it is also not possible to exclude the possibility of a foreign body sticking in a valve.

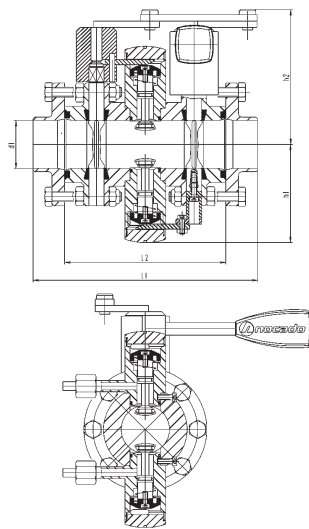
Generally, it is necessary to avoid mixing two different mediums. Frequently, contamination is not detected by tests performed by quality assurance,

because tests for disinfectants or heat-carrying agents in the product are not performed regularly.



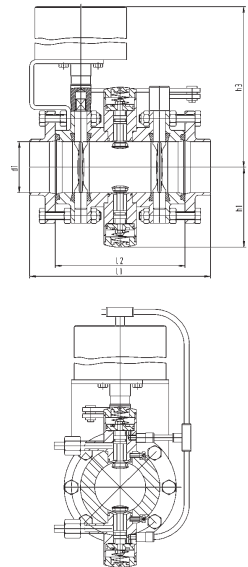
Nocado leakage butterfly valves are used preferably for all applications where reliable and hygienically perfect separation of the mediums is required and where the magnitude of the switching leakage is secondary, e.g. for CIP liquids, water and beverages.

leak.-bv, betw. fl. w. rinsing-con. (for tubing acc. DIN 11850 line 2) (661Z)



DN	dI	hI	h2	II	I2	weight (kg)
25	26	72	102	167	127	-
32	32	75	104	167	127	-
40	38	79	107	177	127	-
50	50	84	113	177	127	-
65	66	92	122	177	127	-
80	81	100	133	226	166	-
100	100	109	144	246	186	-

leak.-bv, betw. fl. air/spr. (NC), w. rinsing-con. (for tub. acc. DIN 11850 line 2) (661)



DN	dI	hI	h3	II	I2	weight (kg)
25	26	68	256	167	127	-
32	32	71	259	167	127	-
40	38	74	261	177	127	-
50	50	80	267	177	127	-
65	66	88	307	177	127	-
80	81	96	316	226	166	-
100	100	105	326	246	186	-

leak.-bv, betw. fl. w. rinsing-con. (for tubing acc. DIN 11850 line 2) (661Z)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
25	161.08.11E.0064	161.08.11H.0064	161.08.11S.0064	161.08.11V.0064
32	161.09.11E.0064	161.09.11H.0064	161.09.11S.0064	161.09.11V.0064
40	161.10.11E.0064	161.10.11H.0064	161.10.11S.0064	161.10.11V.0064
50	161.11.11E.0064	161.11.11H.0064	161.11.11S.0064	161.11.11V.0064
65	161.12.11E.0064	161.12.11H.0064	161.12.11S.0064	161.12.11V.0064
80	161.14.11E.0064	161.14.11H.0064	161.14.11S.0064	161.14.11V.0064
100	161.15.11E.0064	161.15.11H.0064	161.15.11S.0064	161.15.11V.0064

matt finish: at 6th position use a digit 2 in the ident number

leak.-bv, betw. fl. w. rinsing-con. (for tubing acc. DIN 11850 line 2) (661Z)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
25	161.08.12E.0064	161.08.12H.0064	161.08.12S.0064	161.08.12V.0064
32	161.09.12E.0064	161.09.12H.0064	161.09.12S.0064	161.09.12V.0064
40	161.10.12E.0064	161.10.12H.0064	161.10.12S.0064	161.10.12V.0064
50	161.11.12E.0064	161.11.12H.0064	161.11.12S.0064	161.11.12V.0064
65	161.12.12E.0064	161.12.12H.0064	161.12.12S.0064	161.12.12V.0064
80	161.14.12E.0064	161.14.12H.0064	161.14.12S.0064	161.14.12V.0064
100	161.15.12E.0064	161.15.12H.0064	161.15.12S.0064	161.15.12V.0064

matt finish: at 6th position use a digit 2 in the ident number

leak.-bv, betw. fl. air/spr. (NC), w. rinsing-con. (for tub. acc. DIN 11850 line 2) (661)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
25	162.08.11E.0064	162.08.11H.0064	162.08.11S.0064	162.08.11V.0064
32	162.09.11E.0064	162.09.11H.0064	162.09.11S.0064	162.09.11V.0064
40	162.10.11E.0064	162.10.11H.0064	162.10.11S.0064	162.10.11V.0064
50	162.11.11E.0064	162.11.11H.0064	162.11.11S.0064	162.11.11V.0064
65	162.12.11E.0064	162.12.11H.0064	162.12.11S.0064	162.12.11V.0064
80	162.14.11E.0064	162.14.11H.0064	162.14.11S.0064	162.14.11V.0064
100	162.15.11E.0064	162.15.11H.0064	162.15.11S.0064	162.15.11V.0064

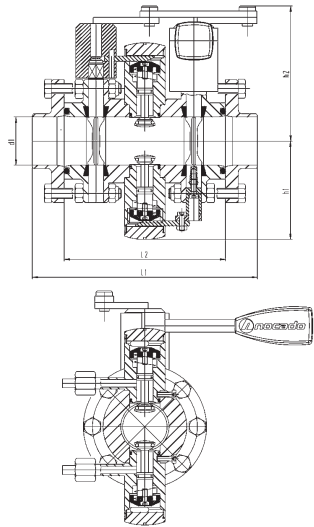
matt finish: at 6th position use a digit 2 in the ident number

leak.-bv, betw. fl. air/spr. (NC), w. rinsing-con. (for tub. acc. DIN 11850 line 2) (661)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
25	162.08.12E.0064	162.08.12H.0064	162.08.12S.0064	162.08.12V.0064
32	162.09.12E.0064	162.09.12H.0064	162.09.12S.0064	162.09.12V.0064
40	162.10.12E.0064	162.10.12H.0064	162.10.12S.0064	162.10.12V.0064
50	162.11.12E.0064	162.11.12H.0064	162.11.12S.0064	162.11.12V.0064
65	162.12.12E.0064	162.12.12H.0064	162.12.12S.0064	162.12.12V.0064
80	162.14.12E.0064	162.14.12H.0064	162.14.12S.0064	162.14.12V.0064
100	162.15.12E.0064	162.15.12H.0064	162.15.12S.0064	162.15.12V.0064

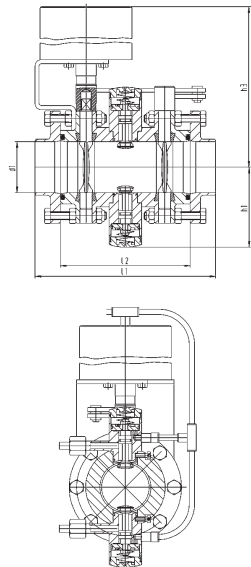
matt finish: at 6th position use a digit 2 in the ident number

leakage-bv, betw. fl. with rinsing-connection, inch OD (661Z)



DN	dI	hI	h2	II	I2	weight (kg)
1"	22.1	72	102	167	127	-
1 1/2"	34.8	79	107	177	127	-
2"	47.5	84	113	177	127	-
2 1/2"	60.2	92	122	177	127	-
3"	72.9	100	133	226	166	-
4"	97.4	109	144	246	186	-

leak.-bv, betw. fl. air/spr. (NC), with rinsing-connection, inch OD (661Z)



DN	dI	hI	h3	II	I2	weight (kg)
1"	22.1	68	256	167	127	-
1 1/2"	34.8	74	261	177	127	-
2"	47.5	80	267	177	127	-
2 1/2"	60.2	88	307	177	127	-
3"	72.9	96	316	226	166	-
4"	97.4	105	326	246	186	-

leakage-bv, betw. fl. with rinsing-connection, inch OD (661Z)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
1"	161.08.11E.0066	161.08.11H.0066	161.08.11S.0066	161.08.11V.0066
1 1/2"	161.10.11E.0066	161.10.11H.0066	161.10.11S.0066	161.10.11V.0066
2"	161.11.11E.0066	161.11.11H.0066	161.11.11S.0066	161.11.11V.0066
2 1/2"	161.12.11E.0066	161.12.11H.0066	161.12.11S.0066	161.12.11V.0066
3"	161.13.11E.0066	161.13.11H.0066	161.13.11S.0066	161.13.11V.0066
4"	161.15.11E.0066	161.15.11H.0066	161.15.11S.0066	161.15.11V.0066

matt finish: at 6th position use a digit 2 in the ident number

leakage-bv, betw. fl. with rinsing-connection, inch OD (661Z)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
1"	161.08.12E.0066	161.08.12H.0066	161.08.12S.0066	161.08.12V.0066
1 1/2"	161.10.12E.0066	161.10.12H.0066	161.10.12S.0066	161.10.12V.0066
2"	161.11.12E.0066	161.11.12H.0066	161.11.12S.0066	161.11.12V.0066
2 1/2"	161.12.12E.0066	161.12.12H.0066	161.12.12S.0066	161.12.12V.0066
3"	161.13.12E.0066	161.13.12H.0066	161.13.12S.0066	161.13.12V.0066
4"	161.15.12E.0066	161.15.12H.0066	161.15.12S.0066	161.15.12V.0066

matt finish: at 6th position use a digit 2 in the ident number

leak.-bv, betw. fl. air/spr. (NC), with rinsing-connection, inch OD (661Z)

DN	304 EPDM polished Ident number	304 HNBR polished Ident number	304 MVQ polished Ident number	304 FPM polished Ident number
1"	162.08.11E.0066	162.08.11H.0066	162.08.11S.0066	162.08.11V.0066
1 1/2"	162.10.11E.0066	162.10.11H.0066	162.10.11S.0066	162.10.11V.0066
2"	162.11.11E.0066	162.11.11H.0066	162.11.11S.0066	162.11.11V.0066
2 1/2"	162.12.11E.0066	162.12.11H.0066	162.12.11S.0066	162.12.11V.0066
3"	162.13.11E.0066	162.13.11H.0066	162.13.11S.0066	162.13.11V.0066
4"	162.15.11E.0066	162.15.11H.0066	162.15.11S.0066	162.15.11V.0066

matt finish: at 6th position use a digit 2 in the ident number

leak.-bv, betw. fl. air/spr. (NC), with rinsing-connection, inch OD (661Z)

DN	316 L EPDM polished Ident number	316 L HNBR polished Ident number	316 L MVQ polished Ident number	316 L FPM polished Ident number
1"	162.08.12E.0066	162.08.12H.0066	162.08.12S.0066	162.08.12V.0066
1 1/2"	162.10.12E.0066	162.10.12H.0066	162.10.12S.0066	162.10.12V.0066
2"	162.11.12E.0066	162.11.12H.0066	162.11.12S.0066	162.11.12V.0066
2 1/2"	162.12.12E.0066	162.12.12H.0066	162.12.12S.0066	162.12.12V.0066
3"	162.13.12E.0066	162.13.12H.0066	162.13.12S.0066	162.13.12V.0066
4"	162.15.12E.0066	162.15.12H.0066	162.15.12S.0066	162.15.12V.0066

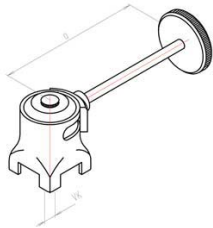
matt finish: at 6th position use a digit 2 in the ident number

handle for butterfly and ball valve (standard) (667)



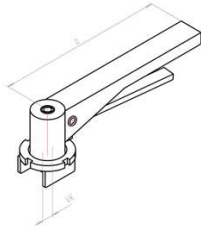
DN	DN	a	squarebare	weight (kg)
15	15-65	132	9	0,400
20	15-65	132	9	0,400
25	15-65	132	9	0,400
32	15-65	132	9	0,400
40	15-65	132	9	0,400
50	15-65	132	9	0,400
65	15-65	132	9	0,400
80	3"-100	165	9	0,850
100	3"-100	165	9	0,850
125	125-150	216	14	1,830
150	125-150	216	14	1,830
200	200	276	14	1,910
MIN	3"-100	165	11	0,850

bv-handle, infinitely variable (668)



DN	a	squarebare	weight (kg)
15 - 65	126	9	0,400
3" - 100	145	9	0,850
125 - 200	233	14	1,830
	MIN	MIN	
3" - 100	145	11	0,850

bv-handle, lockable (669)



DN	a	squarebare	weight (kg)
15-65	145	9	0,290
3"-100	145	9	0,290

handle for butterfly and ball valve (standard) (667)

DN	304 brushed, bv Ident number	304 brushed, w. bore Ident number	304 brushed, ball - v. Ident number
15	● 265.08.131.0000	● 265.08.131.0001	
20	● 265.08.131.0000	● 265.08.131.0001	
25	● 265.08.131.0000	● 265.08.131.0001	● 265.08.131.0000
32	● 265.08.131.0000	● 265.08.131.0001	● 265.08.131.0000
40	● 265.08.131.0000	● 265.08.131.0001	● 265.08.131.0000
50	● 265.08.131.0000	● 265.08.131.0001	● 265.08.131.0000
65	● 265.08.131.0000	● 265.08.131.0001	● 265.08.131.0000
80	● 265.13.131.0000	● 265.13.131.0001	● 265.13.131.0053
100	● 265.13.131.0000	● 265.13.131.0001	● 265.13.131.0053
125	● 265.16.131.0000	○ 265.16.131.0001	
150	● 265.16.131.0000	○ 265.16.131.0001	
200	● 265.18.131.0000	○ 265.18.131.0001	
MIN	● 265.13.131.0053	○ 265.13.131.0054	

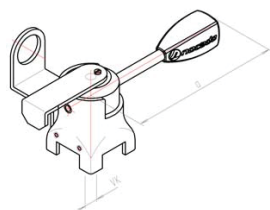
bv-handle, infinitely variable (668)

DN	304 brushed Ident number
15 - 65	○ 265.08.131.0002
3" - 100	○ 265.13.131.0002
125 - 200	○ 265.16.131.0002
3" - 100	○ 265.13.131.0071

bv-handle, lockable (669)

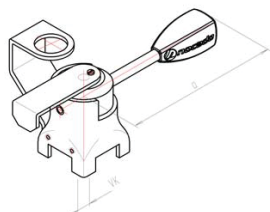
DN	304 brushed Ident number
15-65	○ 265.08.131.0003
3"-100	○ 265.13.131.0003

bv-handle for prox. switch, horizontal fixing (67I)



DN	a	squarebare	weight (kg)
15-32	132	9	0,620
40-65	132	9	0,630
3"-100	165	9	1,060
125-150	216	14	2,040
200	276	14	2,120
3"-100	165	11	1,060

bv-handle for prox. switch, vertical fixing (67I)



DN	a	squarebare	weight (kg)
15-32	132	9	0,470
40-65	132	9	0,480
3"-100	165	9	0,910
125-150	216	14	1,890
200	276	14	1,970
3"-100	165	11	0,910

Rohr nach DIN 11850 Reihe 2

DN	304 brushed, 12mm, o/c Ident number	304 brushed, 12mm, open Ident number	304 brushed, 12mm, open Ident number	304 brushed, 18mm, o/c Ident number
15-32	○ 265.08.131.0141	○ 265.08.131.0142	○ 265.08.131.0143	○ 265.08.131.0147
40-65	○ 265.08.131.0141	○ 265.08.131.0142	○ 265.08.131.0143	○ 265.08.131.0147
3"-100	○ 265.13.131.0141	○ 265.13.131.0142	○ 265.13.131.0143	○ 265.13.131.0147
125-150	○ 265.16.131.0141	○ 265.16.131.0142	○ 265.16.131.0143	○ 265.16.131.0147
200	○ 265.18.131.0141	○ 265.18.131.0142	○ 265.18.131.0143	○ 265.18.131.0147
3"-100	○ 265.13.131.0144	○ 265.13.131.0145	○ 265.13.131.0146	○ 265.13.131.0150

Rohr nach DIN 11850 Reihe 2

DN	304 brushed, 18mm, open Ident number	304 brushed, 18mm, open Ident number
15-32	○ 265.08.131.0148	○ 265.08.131.0149
40-65	○ 265.08.131.0148	○ 265.08.131.0149
3"-100	○ 265.13.131.0148	○ 265.13.131.0149
125-150	○ 265.16.131.0148	○ 265.16.131.0149
200	○ 265.18.131.0148	○ 265.18.131.0149
3"-100	○ 265.13.131.0151	○ 265.13.131.0152

Rohr nach DIN 11850 Reihe 2

DN	304 brushed, 12mm, o/c Ident number	304 brushed, 12mm, open Ident number	304 brushed, 12mm, open Ident number	304 brushed, 18mm, o/c Ident number
15-32	○ 265.08.131.0153	○ 265.08.131.0154	○ 265.08.131.0155	○ 265.08.131.0159
40-65	○ 265.08.131.0153	○ 265.08.131.0154	○ 265.08.131.0155	○ 265.08.131.0159
3"-100	○ 265.13.131.0153	○ 265.13.131.0154	○ 265.13.131.0155	○ 265.13.131.0159
125-150	○ 265.16.131.0153	○ 265.16.131.0154	○ 265.16.131.0155	○ 265.16.131.0159
200	○ 265.18.131.0153	○ 265.18.131.0154	○ 265.18.131.0155	○ 265.18.131.0159
3"-100	○ 265.13.131.0156	○ 265.13.131.0157	○ 265.13.131.0158	○ 265.13.131.0162

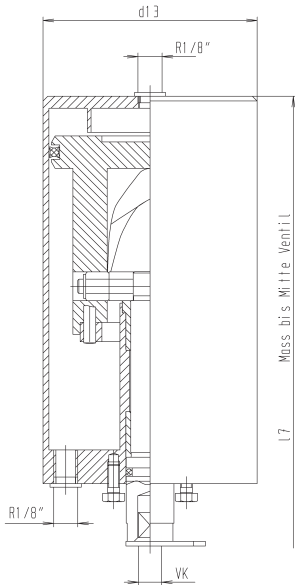
o/c = open/closed

Rohr nach DIN 11850 Reihe 2

DN	304 brushed, 18mm, open Ident number	304 brushed, 18mm, open Ident number
15-32	○ 265.08.131.0160	○ 265.08.131.0161
40-65	○ 265.08.131.0160	○ 265.08.131.0161
3"-100	○ 265.13.131.0160	○ 265.13.131.0161
125-150	○ 265.16.131.0160	○ 265.16.131.0161
200	○ 265.18.131.0160	○ 265.18.131.0161
3"-100	○ 265.13.131.0163	○ 265.13.131.0164

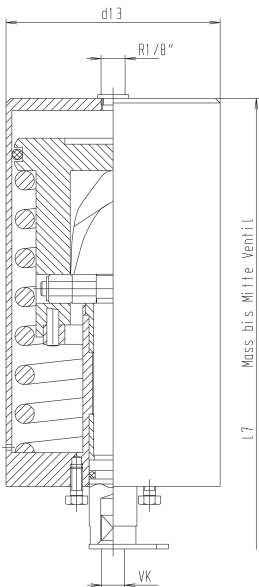
o/c = open/closed

pneumatic actuator, air/air for butterfly valves (677)



DN	d13	I7	squarebare	weight (kg)
15	89	231	9,5	2,480
20	89	231	9,5	2,480
25	89	231	9,5	2,480
32	89	234	9,5	2,480
40	89	236	9,5	2,480
50	89	242	9,5	2,480
65	89	251	9,5	2,480
80	89	260	9,5	2,480
100	89	270	9,5	2,480
125	133	369	14	7,200
150	133	384	14	7,200
200	133	428	14	7,200

pneumatic actuator, air/spring (NC) for butterfly valves (678)



DN	d13	I7	squarebare	weight (kg)
15-25	89	231	9,5	3,130
32	89	234	9,5	3,130
40	89	236	9,5	3,130
50	89	242	9,5	3,130
65	89	251	9,5	3,130
75/3"	89	260	9,5	3,130
80	89	260	9,5	3,130
100	89	270	9,5	3,130
125	133	369	14	9,310
150	133	384	14	9,310
200	133	428	14	9,310
75/3"-80	108	291	11,5	4,750
100	108	301	11,5	4,750

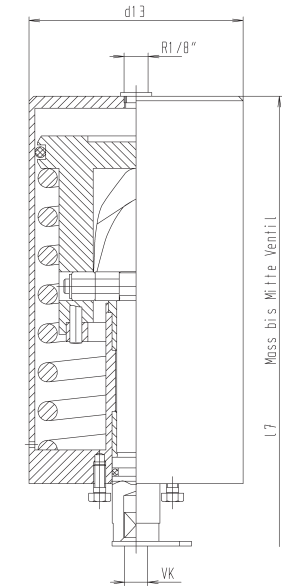
pneumatic actuator, air/air for butterfly valves (677)

DN	304 brushed Ident number
15	○ 165.08.310.0000
20	○ 165.08.310.0000
25	○ 165.08.310.0000
32	○ 165.08.310.0000
40	○ 165.08.310.0000
50	○ 165.08.310.0000
65	○ 165.08.310.0000
80	○ 165.08.310.0000
100	○ 165.08.310.0000
125	○ 165.16.310.0000
150	○ 165.16.310.0000
200	○ 165.16.310.0000

pneumatic actuator, air/spring (NC) for butterfly valves (678)

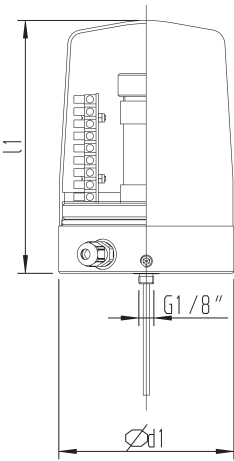
DN	304 brushed Ident number
15-25	● 165.08.310.0003
32	● 165.08.310.0003
40	● 165.08.310.0003
50	● 165.08.310.0003
65	● 165.08.310.0003
75/3"	● 165.08.310.0003
80	● 165.08.310.0003
100	● 165.08.310.0003
125	● 165.16.310.0003
150	● 165.16.310.0003
200	● 165.16.310.0003
75/3"-80	● 165.14.310.0004
100	● 165.14.310.0004

pneumatic actuator, spring/air (NO) for butterfly valves (678)



DN	d13	l7	squarebare	weight (kg)
15-25	89	231	9.5	3,130
32	89	234	9.5	3,130
40	89	236	9.5	3,130
50	89	242	9.5	3,130
65	89	251	9.5	3,130
75/3"-80	89	260	9.5	3,130
100	89	270	9.5	3,130
125	133	369	14	9,310
150	133	384	14	9,310
200	133	428	14	9,310
75/3"-80	108	291	11.5	4,750
100	108	301	11.5	4,750

controlhead for actuator A/S



DN	l1	weight (kg)
25 - 200	166	-

pneumatic actuator, spring/air (NO) for butterfly valves (678)

304 EPDM polished	
DN	Ident number
15-25	o 165.08.310.0010
32	o 165.08.310.0010
40	o 165.08.310.0010
50	o 165.08.310.0010
65	o 165.08.310.0010
75/3"-80	o 165.08.310.0010
100	o 165.08.310.0010
125	o 165.16.310.0010
150	o 165.16.310.0010
200	o 165.16.310.0010
75/3"-80	o 165.14.310.0010
100	o 165.14.310.0010

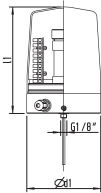
controlhead for actuator A/S

metal cap, terminal block		plastic cap, terminal block		metal cap with plug		plastic cap with plug	
DN	Ident number	Ident number	Ident number	Ident number	Ident number	Ident number	Ident number
25 - 200	o 165.08.6y0.0050	o 165.08.6y0.0049	o 165.08.6y0.0051	o 165.08.6y0.0052			

2 x prox.sw, 1 x m-valve, 24 VDC, version air/air on request

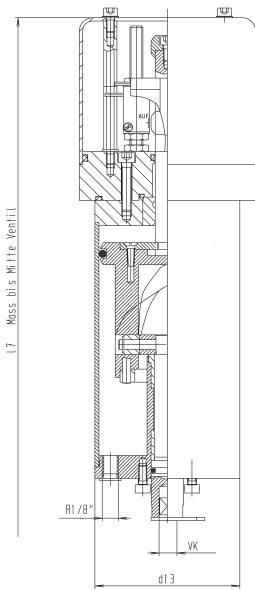


revertive signal top



DN	II	weight (kg)
25 - 200	166	-

actuator pneumatic air/air with top



DN	d13	I7	squarebare	weight (kg)
25	89	353	9.5	-
32	89	356	9.5	-
40	89	358	9.5	-
50	89	364	9.5	-
65	89	373	9.5	-
75/3"-80	89	382	9.5	-
100	89	392	9.5	-
125	133	521	14	-
150	133	536	14	-
200	133	580	14	-
75/3"-80	108	443	11.5	-
100	108	453	11.5	-



t-pieces, short, DIN 11852 (for tubing acc. DIN 11850 line 2) (311N)

DN	metal cap, terminal block Ident number	plastic cap, terminal block Ident number	metal cap with plug Ident number	plastic cap with plug Ident number
25 - 200	o 165.08.6y0.0057	o 165.08.6y0.0058	o 165.08.6y0.0059	o 165.08.6y0.0060

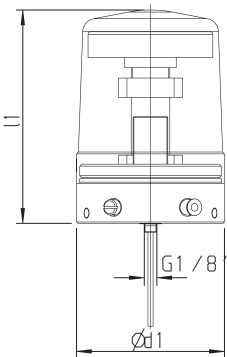
2 x prox.sw., 24 VDC, version air/air on request

actuator pneumatic air/air with top

DN	2 x prox.sw., 24 VDC Ident number	2 x m-valve, 24 VDC Ident number	2 x prox.-switch, 24 VDC Ident number	2 x m-switch, 24 VDC Ident number
25	o 165.08.310.0022	o 165.08.310.0023	o 165.08.310.0025	o 165.08.310.0027
32	o 165.08.310.0022	o 165.08.310.0023	o 165.08.310.0025	o 165.08.310.0027
40	o 165.08.310.0022	o 165.08.310.0023	o 165.08.310.0025	o 165.08.310.0027
50	o 165.08.310.0022	o 165.08.310.0023	o 165.08.310.0025	o 165.08.310.0027
65	o 165.08.310.0022	o 165.08.310.0023	o 165.08.310.0025	o 165.08.310.0027
75/3"-80	o 165.08.310.0022	o 165.08.310.0023	o 165.08.310.0025	o 165.08.310.0027
100	o 165.08.310.0022	o 165.08.310.0023	o 165.08.310.0025	o 165.08.310.0027
125	o 165.16.310.0022	o 165.16.310.0023	o 165.16.310.0025	o 165.16.310.0027
150	o 165.16.310.0022	o 165.16.310.0023	o 165.16.310.0025	o 165.16.310.0027
200	o 165.16.310.0022	o 165.16.310.0023	o 165.16.310.0025	o 165.16.310.0027
75/3"-80	o 165.14.310.0022	o 165.14.310.0023	o 165.14.310.0025	o 165.14.310.0027
100	o 165.14.310.0022	o 165.14.310.0023	o 165.14.310.0025	o 165.14.310.0027

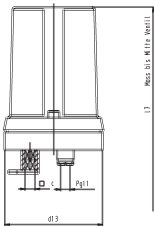


ASI top for actuator A/S



DN	dI	II	weight (kg)
25 - 200	115	166	-

electrical actuator for butterfly valves (679)



DN	dI3	I7/24 V DC	I7/230 V AC	squarebare	weight (kg)
25	116	238	279	9.5	-
32	116	242	282	9.5	-
40	116	244	284	9.5	-
50	116	250	290	9.5	-
65	116	259	299	9.5	-
75/3"-80"	116	268	308	9.5	-
100	116	270	318	9.5	-
125	149	416	416	14	-
150	149	460	460	14	-
200	149	-	-	14	-



ASI top for actuator A/S

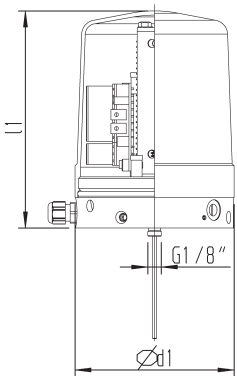
DN	Ident number
25 - 200	o 165.08.6Y0.0033

further control versions are possible, version air/air on request

t-pieces, short, DIN 11852 (for tubing acc. DIN 11850 line 2) (5111N)

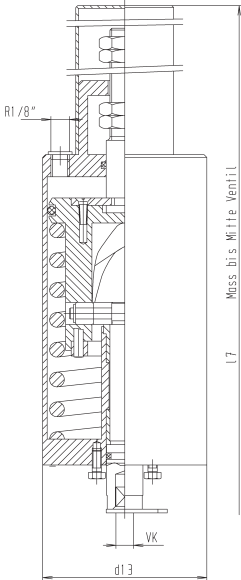
DN	AL varnished, 24VDC Ident number	AL varnished, 230VAC Ident number
25	o 165.08.6Y0.0034	o 165.08.6Y0.0035
32	o 165.08.6Y0.0034	o 165.08.6Y0.0035
40	o 165.08.6Y0.0034	o 165.08.6Y0.0035
50	o 165.08.6Y0.0034	o 165.08.6Y0.0035
65	o 165.08.6Y0.0034	o 165.08.6Y0.0035
75/3"-80"	o 165.08.6Y0.0034	o 165.08.6Y0.0035
100	o 165.08.6Y0.0034	o 165.08.6Y0.0035
125	o 165.16.6Y0.0034	o 165.16.6Y0.0035
150	o 165.16.6Y0.0034	o 165.16.6Y0.0035
200	o 165.16.6Y0.0034	o 165.16.6Y0.0035

actuator with electric pneum. adjuster



DN	d1	l1	weight (kg)
25 - 100	114	157	-
125 - 200	114	250	-

pneu. actuator, air/spring with man. adj. mech.stop for butterfly valves (678E)



DN	d13	l7	squarebare	weight (kg)
25	89	386	9.5	4,300
32	89	389	9.5	4,300
40	89	391	9.5	4,300
50	89	397	9.5	4,300
65	89	406	9.5	4,300
75/3*-80	89	415	9.5	4,300
100	89	425	9.5	4,300
125	133	576	14	10,800
150	133	591	14	10,800
200	133	635	14	10,800
75/3*-80	108	469	11.5	6,100
100	108	479	11.5	6,100

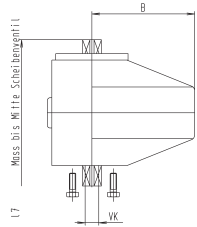
actuator with electric pneum. adjuster

DN	Ident number	Ident number
25 - 100	o 165.08.6Y0.0044	o 165.08.6Y0.0046
125 - 200	o 165.16.6Y0.0044	o 165.16.6Y0.0046

pneu. actuator, air/spring with man. adj. mech.stop for butterfly valves (678E)

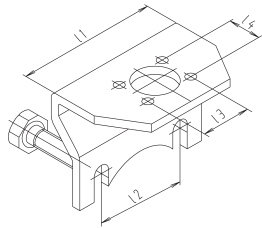
DN	304 brushed Ident number
25	o 165.08.310.0008
32	o 165.08.310.0008
40	o 165.08.310.0008
50	o 165.08.310.0008
65	o 165.08.310.0008
75/3*-80	o 165.08.310.0008
100	o 165.08.310.0008
125	o 165.16.310.0008
150	o 165.16.310.0008
200	o 165.16.310.0008
75/3*-80	o 165.14.310.0008
100	o 165.14.310.0008

pneu. actuator, low height flap action, air/air for butterfly valves (680)



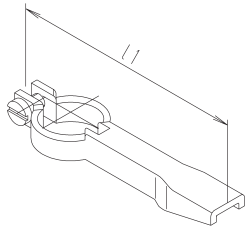
DN	B	I7	squarebare	type	weight (kg)
25	78	153	9.5	050 - 100	1,300
32	78	156	9.5	050 - 100	1,300
40	78	158	9.5	050 - 100	1,300
50	78	165	9.5	050 - 100	1,300
65	78	174	9.5	050 - 100	1,300
75/3*-80	78	181	9.5	050 - 100	1,300
100	78	192	9.5	050 - 100	1,300
125	114	254	14	080 - 100	3,200
150	114	269	14	080 - 100	3,200
200	114	-	14	080 - 100	3,200

holding device for butterfly and ball valves (681)



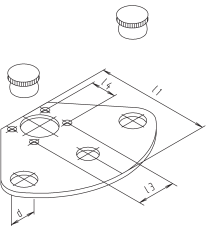
DN	I1	I2	I3	I4	weight (kg)
15	79.5	51.5	30.3	17.6	0,220
20	79.5	51.5	30.3	17.6	0,220
25	79.5	51.5	30.3	17.6	0,220
32	83	55	30.3	17.6	0,240
40	86	58	30.3	17.6	0,240
50	95.5	67.5	30.3	17.6	0,270
65	107.5	79.5	30.3	17.6	0,310
80	118	90	30.3	17.6	0,380
100	132	104	30.3	17.6	0,410
125	118	90	44	25.4	0,460
150	132	105	44	25.4	0,520
200	132	105	44	25.4	0,520

signal contact arm (684)



DN	I1	weight (kg)
15-100	100	0,030
125-200	117	0,040
3*-100	100	0,030

holding device for proximity switch (683A)



DN	for actuator	I1	I3	I4	weight (kg)
15-100	L/F	103	30.3	17.6	0,140
15-100	L/L	103	30.3	17.6	0,140
125-200	L/F	130	44	25.4	0,180
3*-100	L/F	112	30.3	17.6	0,140

304 EPDM polished

DN	Ident number
25	○ 896.08.6X0.0001
32	○ 896.08.6X0.0001
40	○ 896.08.6X0.0001
50	○ 896.08.6X0.0001
65	○ 896.08.6X0.0001
75/3*-80	○ 896.08.6X0.0001
100	○ 896.08.6X0.0001
125	○ 896.16.6X0.0001
150	○ 896.16.6X0.0001
200	○ 896.16.6X0.0001

t-pieces, short, DIN 11852 (for tubing acc. DIN 11850 line 2) (311IN)

304 polished, sv

DN	Ident number	304 matt, sv Ident number	304 polished, ball-v. Ident number	304 matt, ball-v. Ident number
15	● 265.08.111.0010	● 265.08.211.0010	● 265.09.111.0010	● 265.09.211.0010
20	● 265.08.111.0010	● 265.08.211.0010	● 265.09.111.0010	● 265.09.211.0010
25	● 265.08.111.0010	● 265.08.211.0010	● 265.09.111.0010	● 265.09.211.0010
32	● 265.09.111.0010	● 265.09.211.0010	● 265.10.111.0010	● 265.10.211.0010
40	● 265.10.111.0010	● 265.10.211.0010	● 265.11.111.0010	● 265.11.211.0010
50	● 265.11.111.0010	● 265.11.211.0010	● 265.12.111.0010	● 265.12.211.0010
65	● 265.12.111.0010	● 265.12.211.0010	● 265.14.111.0010	● 265.14.211.0010
80	● 265.14.111.0010	● 265.14.211.0010	● 265.15.111.0010	● 265.15.211.0010
100	● 265.15.111.0010	● 265.15.211.0010	● 265.16.111.0010	○ 265.16.211.0010
125	● 265.16.111.0010	○ 265.16.211.0010	-	-
150	● 265.17.111.0010	○ 265.17.211.0010	-	-
200	● 265.18.111.0010	● 265.18.211.0010	-	-

t-pieces, short, DIN 11852 (for tubing acc. DIN 11850 line 2) (311IN)

304 polished

DN	Ident number	304 matt Ident number
15-100	● 265.08.110.0015	● 265.08.210.0015
125-200	● 265.16.110.0015	● 265.16.210.0015
3*-100	● 265.14.110.0015	○ 265.14.210.0015

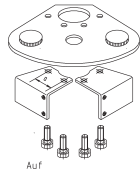
t-pieces, short, DIN 11852 (for tubing acc. DIN 11850 line 2) (311IN)

304 polished, d=18mm

DN	Ident number	Ident number	Ident number	Ident number
15-100	● 265.08.11Y0094	● 265.08.11Y0107	● 265.08.21Y0094	● 265.08.21Y0107
15-100	○ 265.08.11Y0095	○ 265.08.11Y0108	● 265.08.21Y0095	○ 265.08.21Y0108
125-200	○ 265.16.11Y0094	● 265.16.11Y0107	○ 265.16.21Y0094	○ 265.16.21Y0107
3*-100	● 265.14.11Y0094	○ 265.14.11Y0107	○ 265.14.21Y0094	○ 265.14.21Y0107

t-pieces, short, DIN 11852 (for tubing acc. DIN 11850 line 2) (311IN)

holding device for limit switch (682)

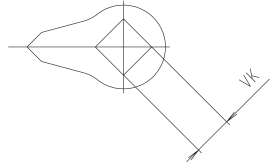


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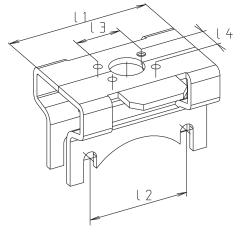
position indicator for actuators



4K

[illegible]

holding device for double sensor



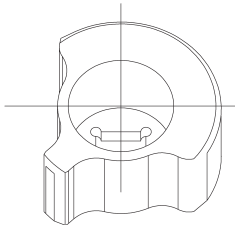
14

14

14

DN	I1	I2	I3	I4	weight (kg)
25	79.5	51.5	30.3	17.6	-
32	83	55	30.3	17.6	-
40	86	58	30.3	17.6	-
50	95.5	67.5	30.3	17.6	-
65	107.5	79.5	30.3	17.6	-
75/3*	118	90	30.3	17.6	-
80	118	90	30.3	17.6	-
100	132	104	30.3	17.6	-

switch cam for double sensor

[illegible][illegible]

t-pieces, short, DIN 11852 (for tubing acc. DIN 11850

[illegible]

t-pieces, short, DIN 11852 (for tubing acc. DIN 11850

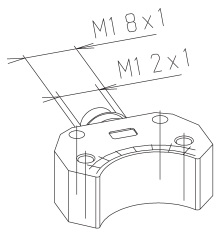
DN	304 polished Ident number
25	○ 265.08.111.0135
32	○ 265.09.111.0135
40	○ 265.10.111.0135
50	○ 265.11.111.0135
65	○ 265.12.111.0135
75/3*	○ 265.13.111.0135
80	○ 265.14.111.0135
100	○ 265.15.111.0135

pieces, short, DIN 11852 (for tubing acc. DIN 11850

[illegible]

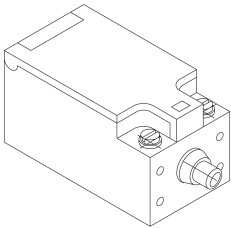
t-pieces, short, DIN 11852 (for tubing acc. DIN 11850

inductive proximity double sensor, type NBN 3-F25-E8-VI



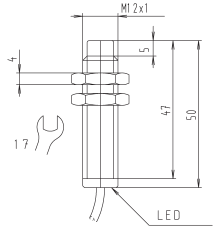
DN	type	weight (kg)
25-100	NBN3-F25-E8-VI	-
25-100	NCN3-F25-N4-VI	-

limit switch with bolts (690)



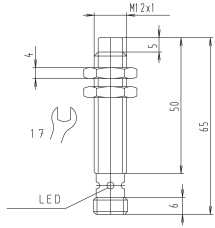
DN	type	weight (kg)
25-200	protection class : IP 65	0,040
-	switchsystem: jump circuit	-
-	forced closing contact	-
-	nominal voltage Ui : 500V, 25-60 HZ	-
-	switching range Ie : 2,5 A	-
-	Ue : 380 V	-
-	short circuit protection : 10 A (slow blow)	-

proximity switch, inductive type NBN 4-I2 GM50-E2 (686)



DN	techn. Data	weight (kg)
25-200	version M12x1	-
-	sn = 4 mm, not flush	-
-	Ub = 10 - 30 VDC	-
-	operating current 0...200mA	-
-	PNP / normally open contact	-
-	housing MS nickelized	-
-	LED - indicator yellow	-
-	cable 2m, PVC	-

proximity switch, inductive type NBN 4-I2 GM50-E2-VI (686)



DN	techn. Data	weight (kg)
25-200	version M12x1	-
-	sn = 2 mm, flush	-
-	Ub = 10 - 30 VDC	-
-	operating current 0...200mA	-
-	PNP / normally open contact	-
-	housing MS - nickelized	-
-	LED - indicator yellow	-
-	with plug connection M12 x 1	-

t-pieces, short, DIN 11852 (for tubing acc. DIN 11850 line 2) (311IN)

DN	Ident number
25-100	○ 896.00.690.0063
25-100	○ 896.00.690.0064

t-pieces, short, DIN 11852 (for tubing acc. DIN 11850 line 2) (311IN)

DN	plastic Ident number
25-200	○ 899.00.6X1.0000
-	-

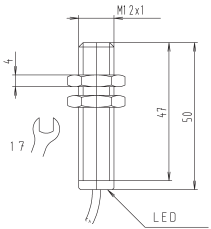
t-pieces, short, DIN 11852 (for tubing acc. DIN 11850 line 2) (311IN)

DN	MS nickelized Ident number
25-200	○ 899.12.6X0.0162
-	-

t-pieces, short, DIN 11852 (for tubing acc. DIN 11850 line 2) (311IN)

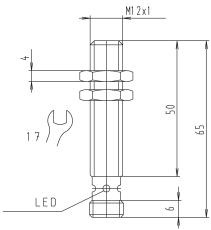
DN	MS nickelized Ident number
25-200	○ 899.12.6X0.0163
-	-

proximity switch, inductive type NBB 2-I2 GM50-E2 (686)



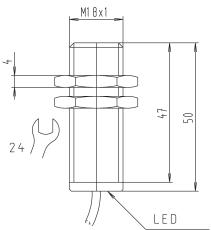
DN	techn. Data	weight (kg)
25-200	version M12x1	-
-	sn = 4 mm, not flush	-
-	Ub = 10 - 30 VDC	-
-	operating current	-
-	PNP / normally open contact	-
-	housing MS - nickelized	-
-	LED - indicator yellow	-
-	cable 2m PVC	-
-		-
-		-
-		-

proximity switch, inductive type NBB 2-I2 GM50-E2-VI (686)



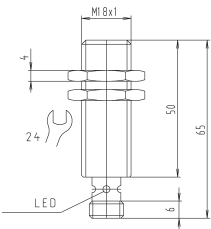
DN	techn. Data	Infodatei	weight (kg)
25-200	version M12 x 1	Info	-
-	sn = 2 mm, flush	-	-
-	Ub = 10 - 30 VDC	-	-
-	operating current 0...200mA	-	-
-	PNP / normally open contact	-	-
-	housing MS - nickelized	-	-
-	LED - indicator yellow	-	-
-	with plug connection M 12 x1	-	-
-		-	-
-		-	-
-		-	-

proximity switch, inductive type NBB 5-I8 GM50-E2 (686)



DN	techn. Data	weight (kg)
25-200	version M18 x 1	-
-	sn = 5 mm, flush	-
-	Ub = 10 - 30 VDC	-
-	operating current 0...200mA	-
-	PNP / normally open contact	-
-	housing MS - nickelized	-
-	LED - indicator yellow	-
-	cable 2m PVC	-
-		-
-		-
-		-

proximity switch, inductive type NBB 5-I8 GM50-E2-VI(686)



DN	techn. Data	weight (kg)
25-200	Bauform M 18 x 1	-
-	sn = 5 mm, flush	-
-	Ub = 10 - 30 VDC	-
-	operating current 0...200mA	-
-	PNP / normally open contact	-
-	housing MS - nickelized	-
-	LED - indicator yellow	-
-	with plug connection M12 x1	-
-		-
-		-
-		-

t-pieces, short, DIN 11852 (for tubing acc. DIN 11850 line 2) (311IN)

DN	MS nickelized Ident number
25-200	○ 899.12.6X0.0160
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

t-pieces, short, DIN 11852 (for tubing acc. DIN 11850 line 2) (311IN)

DN	MS nickelized Ident number
25-200	○ 899.12.6X0.0161
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

t-pieces, short, DIN 11852 (for tubing acc. DIN 11850 line 2) (311IN)

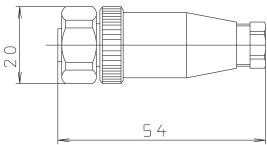
DN	MS nickelized Ident number
25-200	○ 899.18.6X0.0160
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

t-pieces, short, DIN 11852 (for tubing acc. DIN 11850 line 2) (311IN)

DN	MS nickelized Ident number
25-200	○ 899.18.6X0.0161
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

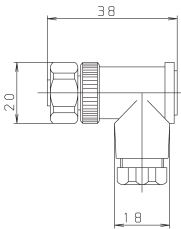


plug, straight with terminal



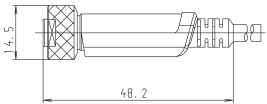
DN	techn. Data	weight (kg)
25-200	Typ VI-G	-

plug, angled, with cord



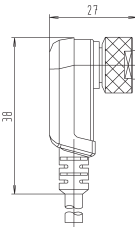
DN	techn. Data	weight (kg)
25-200	Typ VI-W	-

plug, straight, with cord



DN	type	cable length	weight (kg)
25-200	VI-G-2M-PVC	2 m	-
25-200	VI-G-5M-PVC	5 m	-
25-200	VI-G-10M-PVC	10 m	-

plug, angled, with cord



DN	type	cable length	weight (kg)
25-200	VI-W-2M-PVC	2 m	-
25-200	VI-W-5M-PVC	5 m	-
25-200	VI-W-10-PVC	10 m	-



t-pieces, short, DIN 11852 (for tubing acc. DIN 11850 line 2) (311IN)

DN	plastic Ident number
25-200	○ 899.00.6X0.0164

t-pieces, short, DIN 11852 (for tubing acc. DIN 11850 line 2) (311IN)

DN	plastic Ident number
25-200	○ 899.00.6X0.0165

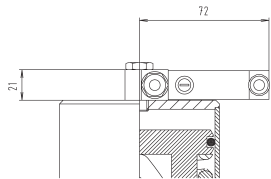
t-pieces, short, DIN 11852 (for tubing acc. DIN 11850 line 2) (311IN)

DN	plastic Ident number
25-200	○ 899.02.6X0.0166
25-200	○ 899.05.6X0.0166
25-200	○ 899.10.6X0.0166

DN	plastic Ident number
25-200	○ 899.02.6X0.0167
25-200	○ 899.05.6X0.0167
25-200	○ 899.10.6X0.0167



3/2 way solenoid valve with base



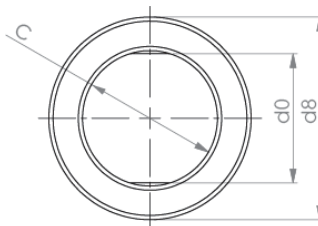
DN	techn. Data	weight (kg)
25-200	24V AC/DC 2W	0,115



t-pieces, short, DIN 11852 (for tubing acc. DIN 11850 line 2) (311N)

DN	plastic Ident number
25-200	○ 896.00.6Y0.0020

Gasket for BV, DIN (676) / Inch (676Z)



DN	d0	d8	c	weight (kg)
15	22	36	19	0,015
20	22	36	19	0,015
25	26	40	19.5	0,017
32	32	48	20	0,024
40	37	54	20.5	0,028
50	51	67	21	0,038
65	67	85	22	0,057
80	83	101	24	0,078
100	101	116	26	0,082
125	126	152	30	0,172
150	151	176	30	0,228
200	203	230	37	0,280
1"	22	36	19	0,015
1½"	32	48	20	0,024
1½"	34	52	20	0,028
2"	51	67	21	0,038
2½"	61	79	22	0,045
3"	73	92	23.5	0,070
4"	101	116	26	0,082

DN	EPDM Ident number	MVQ Ident number	HNBR Ident number	FPM Ident number
15	C821086E00002	C821086S00002	C821086HN0002	C821086V00002
20	C821086E00002	C821086S00002	C821086HN0002	C821086V00002
25	C821086E00000	C821086S00000	C821086HN0000	C821086V00000
32	C821096E00000	C821096S00000	C821096HN0000	C821096V00000
40	C821106E00000	C821106S00000	C821106HN0000	C821106V00000
50	C821116E00000	C821116S00000	C821116HN0000	C821116V00000
65	C821126E00000	C821126S00000	C821126HN0000	C821126V00000
80	C821146E00000	C821146S00000	C821146HN0000	C821146V00000
100	C821156E00000	C821156S00000	C821156HN0000	C821156V00000
125	C821166E00000	C821166S00000	C821166HN0000	C821166V00000
150	C821176E00000	C821176S00000	C821176HN0000	C821176V00000
200	C821186E00000	C821186S00000	C821186HN0000	C821186V00000
1"	C821086E00002	C821086S00002	C821086HN0002	C821086V00002
1½"	C821096E00000	C821096S00000	C821096HN0000	C821096V00000
1½"	C821106E00002	C821106S00002	C821106HN0002	C821106V00002
2"	C821116E00000	C821116S00000	C821116HN0000	C821116V00000
2½"	C821126E00002	C821126S00002	C821126HN0002	C821126V00002
3"	C821136E00000	C821136S00000	C821136HN0000	C821136V00000
4"	C821156E00000	C821156S00000	C821156HN0000	C821156V00000

Seal set for Leakage BV DIN / Inch



DN	weight (kg)
25	-
32	-
40	-
50	-
65	-
80	-
100	-
1"	-
¼"	-
1¼"	-
2"	-
2½"	-
3"	-
4"	-

DN	EPDM Ident number	MVQ Ident number	HNBR Ident number	FPM Ident number
25	C269086E00172	C269086S00172	C269086HN0172	C269086V00172
32	C269096E00172	C269096S00172	C269096HN0172	C269096V00172
40	C269106E00172	C269106S00172	C269106HN0172	C269106V00172
50	C269116E00172	C269116S00172	C269116HN0172	C269116V00172
65	C269126E00172	C269126S00172	C269126HN0172	C269126V00172
80	C269146E00172	C269146S00172	C269146HN0172	C269146V00172
100	C269156E00172	C269156S00172	C269156HN0172	C269156V00172
1"	C269086E00175	C269086S00175	C269086HN0175	C269086V00175
¼"	C269096E00175	C269096S00175	C269096HN0175	C269096V00175
1¼"	C269106E00175	C269106S00175	C269106HN0175	C269106V00175
2"	C269116E00175	C269116S00175	C269116HN0175	C269116V00175
2½"	C269126E00175	C269126S00175	C269126HN0175	C269126V00175
3"	C269136E00175	C269136S00175	C269136HN0175	C269136V00175
4"	C269156E00175	C269156S00175	C269156HN0172	C269156V00175

1.1.5 BV • Spare parts



Seal set for BV between flanges DIN



DN	weight (kg)
20	0,021
25	0,023
32	0,032
40	0,038
50	0,050
65	0,071
80	0,096
100	0,108
125	0,216
150	0,282
200	0,376

Seal set for BV between flanges O-form DIN/Inch



DN	weight (kg)
20	0,019
25	0,021
32	0,030
40	0,036
50	0,036
65	0,067
80	0,092
100	0,104
125	0,212
150	0,278
1"	0,021
1¼"	0,030
1½"	0,036
2"	0,036
2½"	0,067
3"	0,092
4"	0,104

Disk for BV DIN (607)



DN	d1	VK	weight (kg)
15-20	22.6	9.5	0,035
25	26	9.5	0,050
32	32	9.5	0,060
40	38	9.5	0,090
50	50	9.5	0,135
65	66	9.5	0,225
80	81	9.5	0,325
100	100	9.5	0,620
125	125	14	1,370
150	150	14	1,820
200	200	14	4,200

1.1.5 BV • Spare parts



DN	EPDM Ident number	MVQ Ident number	HNBR Ident number	FPM Ident number
20	C269076E00168	C269076S00168	C269076HN0168	C269076V00168
25	C269086E00168	C269086S00168	C269086HN0168	C269086V00168
32	C269096E00168	C269096S00168	C269096HN0168	C269096V00168
40	C269106E00168	C269106S00168	C269106HN0168	C269106V00168
50	C269116E00168	C269116S00168	C269116HN0168	C269116V00168
65	C269126E00168	C269126S00168	C269126HN0168	C269126V00168
80	C269146E00168	C269146S00168	C269146HN0168	C269146V00168
100	C269156E00168	C269156S00168	C269156HN0168	C269156V00168
125	C269166E00168	C269166S00168	C269166HN0168	C269166V00168
150	C269176E00168	C269176S00168	C269176HN0168	C269176V00168
200	C269186E00168	C269186S00168	C269186HN0168	C269186V00168

DN	EPDM Ident number	MVQ Ident number	HNBR Ident number	FPM Ident number
20	C269076E00169	C269076S00169	C269076HN0169	C269076V00169
25	C269086E00169	C269086S00169	C269086HN0169	C269086V00169
32	C269096E00169	C269096S00169	C269096HN0169	C269096V00169
40	C269106E00169	C269106S00169	C269106HN0169	C269106V00169
50	C269116E00169	C269116S00169	C269116HN0169	C269116V00169
65	C269126E00169	C269126S00169	C269126HN0169	C269126V00169
80	C269146E00169	C269146S00169	C269146HN0169	C269146V00169
100	C269156E00169	C269156S00169	C269156HN0169	C269156V00169
125	C269166E00169	C269166S00169	C269166HN0169	C269166V00169
150	C269176E00169	C269176S00169	C269176HN0169	C269176V00169
1"	C269086E00170	C269086S00170	C269086HN0170	C269086V00170
1¼"	C269096E00170	C269096S00170	C269096HN0170	C269096V00170
1½"	C269106E00170	C269106S00170	C269106HN0170	C269106V00170
2"	C269116E00170	C269116S00170	C269116HN0170	C269116V00170
2½"	C269126E00170	C269126S00170	C269126HN0170	C269126V00170
3"	C269136E00170	C269136S00170	C269136HN0170	C269136V00170
4"	C269156E00170	C269156S00170	C269156HN0170	C269156V00170

DN	304 polished Ident number	316 L polished Ident number
15-20		C2690812000100
25	C269081100010	C2690812000010
32	C269091100010	C2690912000010
40	C269101100010	C2691012000010
50	C269111100010	C2691112000010
65	C269121100010	C2691212000010
80	C269141100010	C2691412000010
100	C269151100010	C2691512000010
125	C269161100010	C2691612000010
150		C2691712000010
200	C269181100010	C2691812000010



Disk for BV DIN/Inch (607Z)



DN	d1	VK	weight (kg)
3"	72	11.5	0,285
80	81	11.5	0,325
100/4"	100	11.5	0,620

Disk for BV Inch (607Z)



DN	d1	VK	weight (kg)
1"	22.6	9.5	0,040
1¼"	32	9.5	0,060
1½"	35.4	9.5	0,085
2"	50	9.5	0,135
2½"	60.2	9.5	0,210
3"	72	9.5	0,285
4"	100	9.5	0,620

Clip-on Bushes for BV (2 pieces)



DN	D1	L1	weight (kg)
40 - 65	14	10	-
3" - 100	16	10	-



DN	316 L polished Ident number
3"	C269131200032
80	C269141200032
100/4"	C269151200032

DN	304 polished Ident number	316 L polished Ident number
1"	-	C269081200100
1¼"	C269091100010	C269091200010
1½"	-	C269101200100
2"	C269111100010	C269111200010
2½"	-	C269121200100
3"	C269131100010	C269131200010
4"	C269151100010	C269151200010

DN	plastic Ident number
40 - 65	C895106Y00516
3" - 100	C895136Y00516