

# L32

## L32.7/007-01.1114 PN25 DN50-DN350 Butterfly valve wafer

L32.7/007-01.1114

### STAINLESS STEEL DOUBLE OFFSET WAFER BUTTERFLY VALVE PN25 FIRE SAFE

Stainless steel double offset butterfly valve wafer for steam, heating, geothermics, industrial cold, shipbuilding and petrochemical.

PTFE filled with 15% graphite packing and seat for a temperature up to +210°C.

Valve with firesafe certificate ISO 10497 to reduce risks in case of fire.

Compatible with explosive atmosphere, ATEX Zone 1&21 and Zone 2&22.

Handle up to DN150, gearbox over.

Thanks to the ISO 5211 plate, an actuator can be installed directly on the valve.



**Size :** DN50 to DN600

**Connection :** Between flanges PN25

**Min Temperature :** -50°C

**Max Temperature :** +210°C

**Max Pressure :** 25 Bars

**Specifications :** Full crossing stem  
ISO 5211 mounting pad  
Wafer type

**Materials :** Stainless steel ASTM A351 CF8M

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## L32.7/007-01.1114 PN25 DN50-DN350 Butterfly valve wafer

STAINLESS STEEL DOUBLE OFFSET WAFER BUTTERFLY VALVE PN25 FIRE SAFE

### SPECIFICATIONS :

- 100% tightness
- Wafer type
- Between PN25 flanges
- Double offset
- Bidirectional with preferential flow direction indicated by the arrow
- Fire safe according to ISO 10497 : 2010
- ISO 5211 mounting pad
- Stainless steel CF8M disc
- Full crossing stem
- 10 positions ductile iron handle, with locking device up to DN150
- Gear box from DN 200 to DN600
- Ductile iron EN GJS-400-15 handle with silver painting 1504 color

### USE :

- Heating, geothermics, industrial cold, shipbuilding, petrochemical
- Steam : 10 bars maximum
- Min and max Temperature Ts : - 50°C to + 210°C
- Max Pressure Ps : 25 bars ( see graph )
- Vacuum :  $10^{-3}$  torr
- When using at dead end of pipeline, reverse preferential flow direction

### RANGE :

- Wafer type with stainless steel body , and handle Ref. 1114 DN 50 to DN 150
- Wafer type with stainless steel body , and gear box Ref. 1114 DN 200 to DN 600
- Gear box Ref. 1193 from DN 50 to DN 350

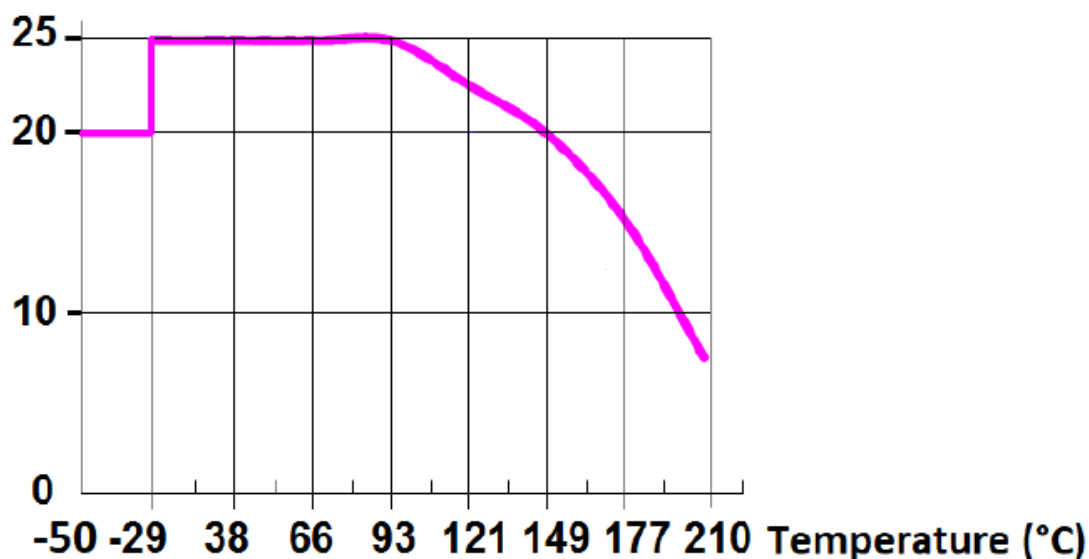
### CONNECTION :

- Between PN25 flanges

### PRESSURE / TEMPERATURE GRAPH :

PRESSURE

(Bar)



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## L32.7/007-01.1114 PN25 DN50-DN350 Butterfly valve wafer

### STAINLESS STEEL DOUBLE OFFSET WAFER BUTTERFLY VALVE PN25 FIRE SAFE

TORQUE VALUE ( in Nm with safety coefficient of 30 % included ) :

| DN                      | 50 | 65 | 80  | 100 | 125 | 150 | 200 | 250 | 300  | 350  | 400  | 450  | 500  | 600  |
|-------------------------|----|----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|
| Torque ( Nm ) at 0 Bar  | 29 | 37 | 50  | 76  | 118 | 147 | 176 | 255 | 333  | 461  | 657  | 843  | 1078 | 1274 |
| Torque ( Nm ) at 5 Bar  | 32 | 46 | 61  | 88  | 137 | 196 | 235 | 323 | 470  | 725  | 960  | 1058 | 1382 | 1617 |
| Torque ( Nm ) at 10 Bar | 39 | 61 | 76  | 103 | 170 | 225 | 294 | 421 | 549  | 833  | 1264 | 1362 | 1803 | 2225 |
| Torque ( Nm ) at 15 Bar | 43 | 69 | 92  | 118 | 194 | 265 | 353 | 480 | 686  | 990  | 1509 | 1705 | 2166 | 2783 |
| Torque ( Nm ) at 20 Bar | 49 | 83 | 107 | 140 | 223 | 294 | 421 | 568 | 862  | 1196 | 1686 | 2087 | 2920 | 3783 |
| Torque ( Nm ) at 25 Bar | 59 | 97 | 127 | 162 | 242 | 333 | 480 | 647 | 1009 | 1421 | 1882 | 2646 | 3410 | 4704 |

MAX TORQUE MAST ( in Nm ) :

| DN   | 50  | 65  | 80  | 100 | 125  | 150  | 200  | 250   | 300 | 350 | 400 | 450 | 500 | 600 |
|------|-----|-----|-----|-----|------|------|------|-------|-----|-----|-----|-----|-----|-----|
| MAST | 163 | 324 | 647 | 906 | 1295 | 2589 | 5179 | 10357 |     |     |     |     |     |     |

FLOW COEFFICIENT Kv ( m3 / h ) :

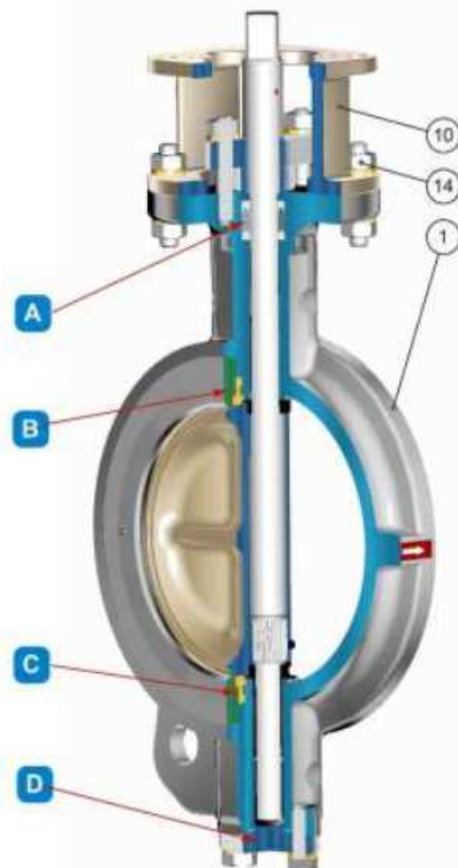
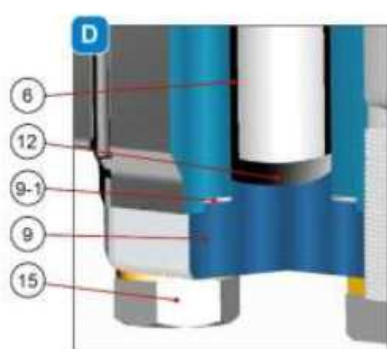
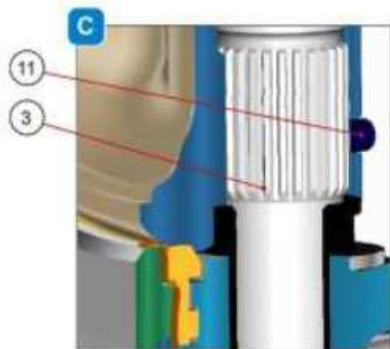
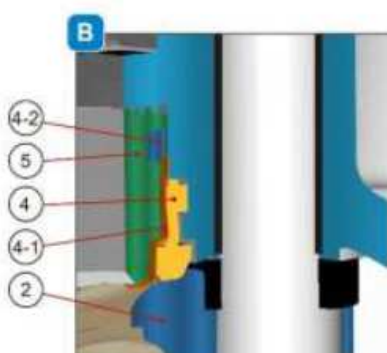
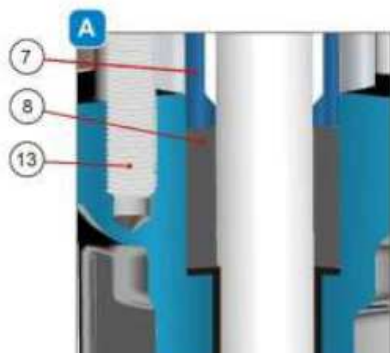
| DN  | Percent of Rated Travel |        |        |        |        |        |        |         |         |         |
|-----|-------------------------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
|     | 10%                     | 20%    | 30%    | 40%    | 50%    | 60%    | 70%    | 80%     | 90%     | 100%    |
| 50  | 0,9                     | 1,7    | 4,3    | 8,6    | 12,9   | 19,8   | 30,2   | 45,7    | 55,2    | 56,9    |
| 65  | 4,3                     | 7,8    | 19,0   | 27,6   | 44,0   | 60,3   | 79,3   | 96,6    | 117,2   | 120,7   |
| 80  | 7,8                     | 13,8   | 35,3   | 50,9   | 79,3   | 110,3  | 146,6  | 182,8   | 220,7   | 224,1   |
| 100 | 12,1                    | 22,4   | 56,0   | 83,6   | 131,0  | 181,0  | 237,9  | 292,2   | 353,4   | 362,1   |
| 125 | 21,6                    | 38,8   | 97,4   | 139,7  | 218,1  | 301,7  | 408,6  | 501,7   | 600,9   | 620,7   |
| 150 | 21,6                    | 66,4   | 131,0  | 194,8  | 359,5  | 627,6  | 758,6  | 1013,8  | 1155,2  | 1185,3  |
| 200 | 36,2                    | 118,1  | 233,6  | 346,6  | 470,7  | 659,5  | 848,3  | 1123,3  | 1250,0  | 1508,6  |
| 250 | 107,8                   | 262,9  | 424,1  | 502,6  | 795,7  | 1086,2 | 1422,4 | 1775,9  | 2103,4  | 2299,1  |
| 300 | 146,6                   | 357,8  | 576,7  | 831,9  | 1120,7 | 1512,9 | 2637,1 | 2977,6  | 3318,1  | 3763,8  |
| 350 | 191,4                   | 436,2  | 686,2  | 1004,3 | 1391,4 | 1931,9 | 2691,4 | 3646,6  | 4620,7  | 5141,4  |
| 400 | 271,6                   | 462,9  | 777,6  | 1141,4 | 1641,4 | 2142,2 | 3192,2 | 4650,9  | 5937,1  | 6691,4  |
| 450 | 337,9                   | 815,5  | 1255,2 | 1758,6 | 2427,6 | 3377,6 | 4669,0 | 6087,1  | 7357,8  | 8063,8  |
| 500 | 442,2                   | 1031,9 | 1581,0 | 2205,2 | 3021,6 | 4261,2 | 6196,6 | 7842,2  | 9492,2  | 10193,1 |
| 600 | 728,4                   | 1604,3 | 2372,4 | 3371,6 | 4742,2 | 6606,9 | 9344,8 | 12434,5 | 15816,4 | 17122,4 |

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## L32.7/007-01.1114 PN25 DN50-DN350 Butterfly valve wafer

STAINLESS STEEL DOUBLE OFFSET WAFER BUTTERFLY VALVE PN25 FIRE SAFE

### MATERIALS VALVES :



( \* : Included in gaskets kit )

| Item | Designation         | Materials                     |
|------|---------------------|-------------------------------|
| 1    | Body                | ASTM A351 CF8M                |
| 2    | Disc                | ASTM A351 CF8M                |
| 3    | Shaft               | ASTM A564 630                 |
| 4*   | Seat                | PTFE filled with 15% graphite |
| 4-1* | Metal seat          | Inconel 718                   |
| 4-2* | Gasket              | Graphite                      |
| 5    | Retainer            | ASTM A351 CF8                 |
| 6*   | Bushing             | RPTFE + AISI 316              |
| 7    | Gland               | ASTM A351 CF8                 |
| 8*   | Gland packing       | Graphite                      |
| 9    | Bottom cover        | ASTM A351 CF8M                |
| 9-1* | Bottom cover gasket | Graphite                      |
| 10   | Yoke                | ASTM A351 CF8                 |
| 11*  | Stop stud           | ASTM A193 Gr. B8M             |
| 12*  | Lock plate          | RPTFE + AISI 316              |
| 13   | Stud                | ASTM A193 Gr. B8              |
| 14   | Nut                 | ASTM A194 Gr. 8               |
| 15   | Bolt                | ASTM A193 Gr. B8              |

### Repairability :



| *Gaskets kit<br>(Items 4, 4-1, 4-2, 6, 8, 9-1, 11 et 12) |         |
|----------------------------------------------------------|---------|
| DN50                                                     | 9865290 |
| DN65                                                     | 9865291 |
| DN80                                                     | 9865292 |
| DN100                                                    | 9865293 |
| DN125                                                    | 9865294 |
| DN150                                                    | 9865295 |
| DN200                                                    | 9865296 |
| DN250                                                    | 9865297 |
| DN300                                                    | 9865298 |
| DN350                                                    | 9865299 |

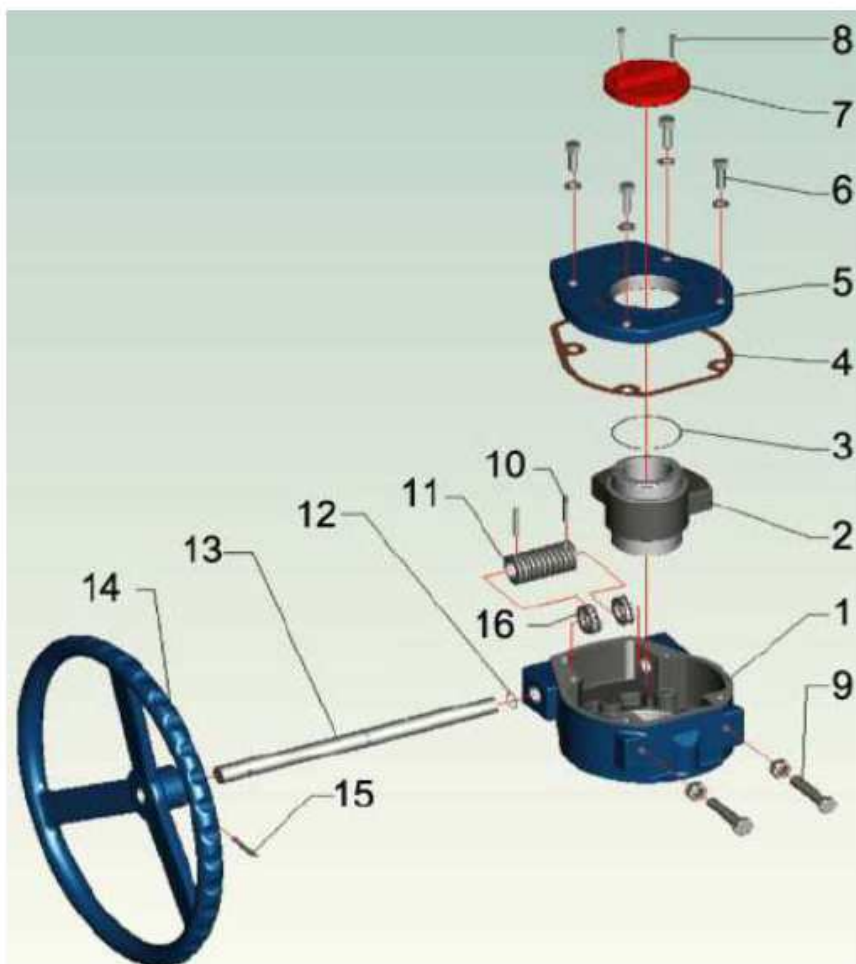


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## L32.7/007-01.1114 PN25 DN50-DN350 Butterfly valve wafer

STAINLESS STEEL DOUBLE OFFSET WAFER BUTTERFLY VALVE PN25 FIRE SAFE

MATERIALS GEARBOX DN50 - 350 :



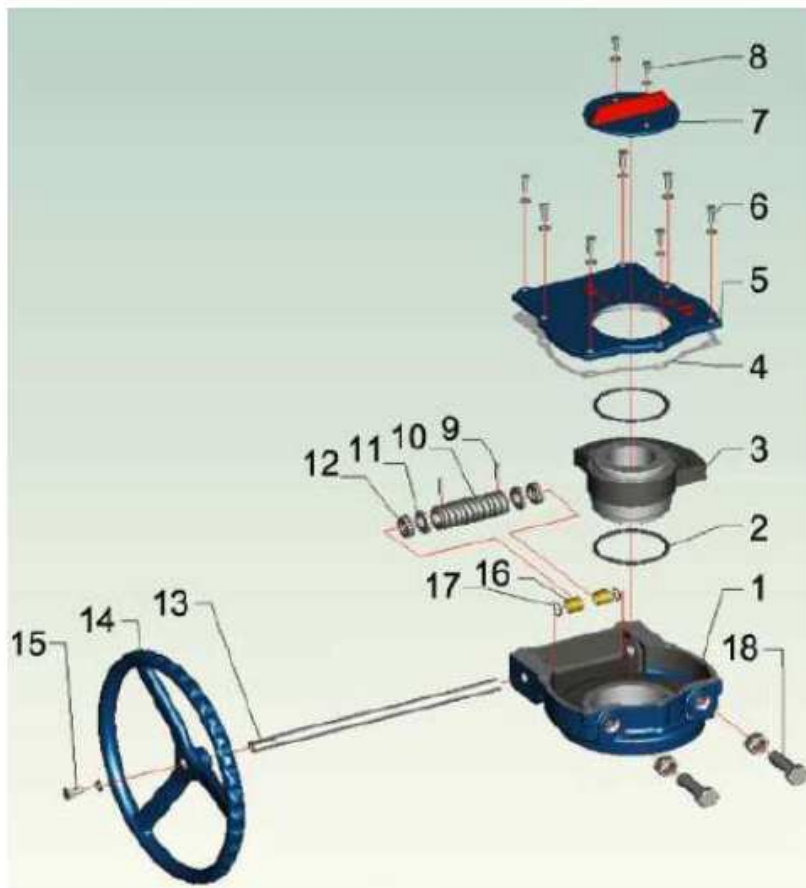
| Item | Designation | Materials    |
|------|-------------|--------------|
| 1    | Body        | Cast iron    |
| 2    | Worm gear   | Ductile iron |
| 3    | O ring      | NBR          |
| 4    | Gasket      | Paper        |
| 5    | Cover       | Cast iron    |
| 6    | Screw       | Steel        |
| 7    | Indicator   | Cast iron    |
| 8    | Screw       | Steel        |
| 9    | Stop bolt   | Steel        |
| 10   | Pin         | Steel        |
| 11   | Worm        | Steel        |
| 12   | O ring      | NBR          |
| 13   | Worm shaft  | Steel        |
| 14   | Handwheel   | Cast iron    |
| 15   | Pin         | Steel        |
| 16   | Bearing     | Steel        |

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## L32.7/007-01.1114 PN25 DN50-DN350 Butterfly valve wafer

STAINLESS STEEL DOUBLE OFFSET WAFER BUTTERFLY VALVE PN25 FIRE SAFE

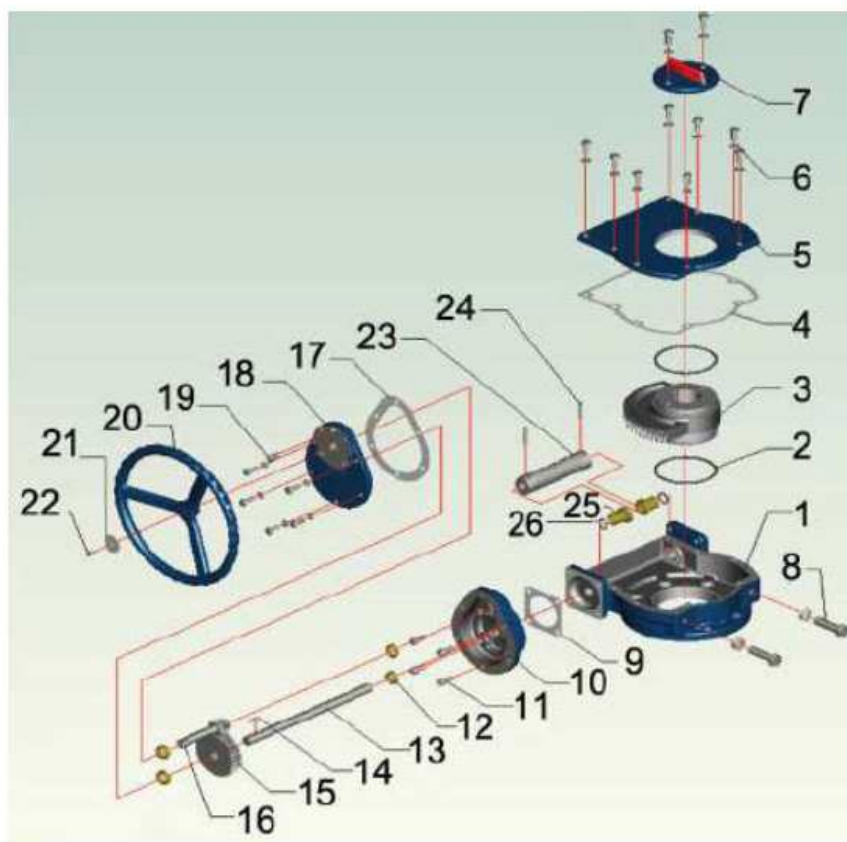
MATERIALS GEARBOX DN400 - 500 :



| Item | Designation | Materials    |
|------|-------------|--------------|
| 1    | Body        | Cast iron    |
| 2    | O ring      | NBR          |
| 3    | Worm gear   | Ductile iron |
| 4    | Gasket      | Paper        |
| 5    | Cover       | Cast iron    |
| 6    | Screw       | Steel        |
| 7    | Indicator   | Cast iron    |
| 8    | Screw       | Steel        |
| 9    | Pin         | Steel        |
| 10   | Worm        | Steel        |
| 11   | Ring        | Steel        |
| 12   | Bearing     | Steel        |
| 13   | Worm shaft  | Steel        |
| 14   | Handwheel   | Cast iron    |
| 15   | Screw       | Steel        |
| 16   | Bushing     | Copper       |
| 17   | O ring      | NBR          |
| 18   | Stop bolt   | Steel        |

STAINLESS STEEL DOUBLE OFFSET WAFER BUTTERFLY VALVE PN25 FIRE SAFE

MATERIALS GEARBOX DN600 :



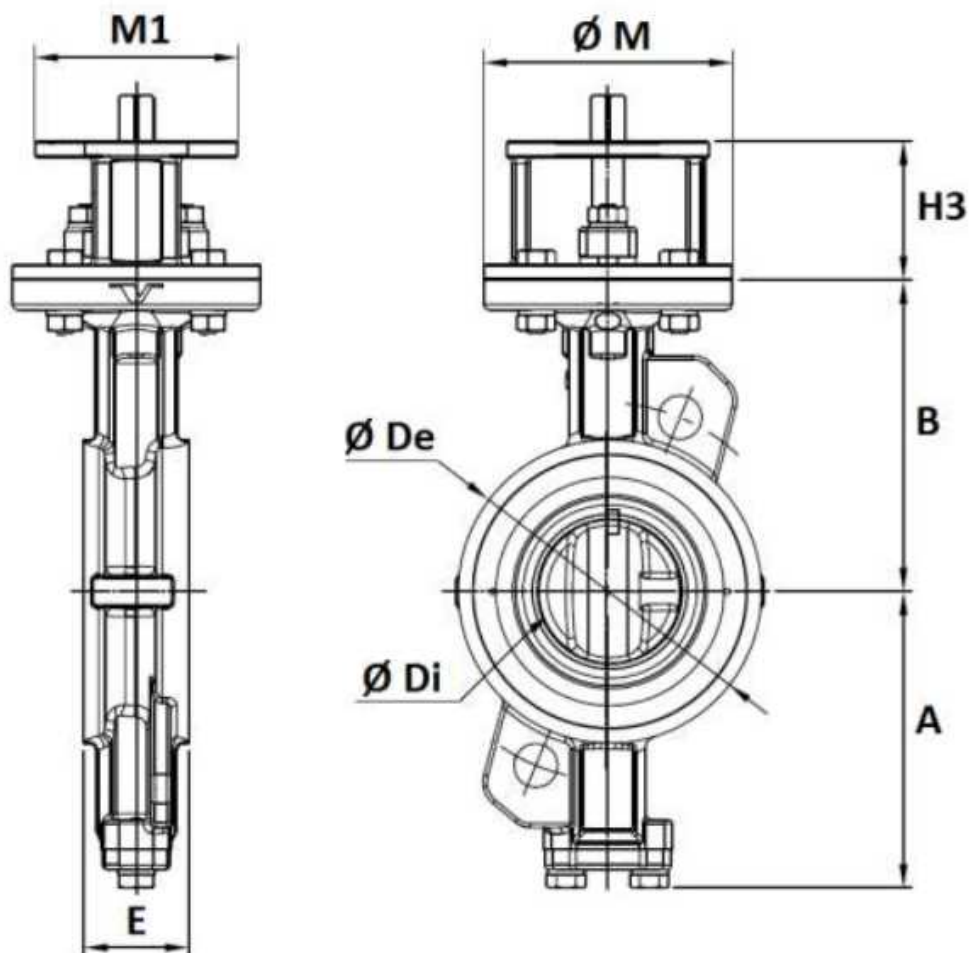
| Item | Designation     | Materials    |
|------|-----------------|--------------|
| 1    | Body            | Cast iron    |
| 2    | O ring          | NBR          |
| 3    | Worm gear       | Ductile iron |
| 4    | Gasket          | Paper        |
| 5    | Cover           | Cast iron    |
| 6    | Screw           | Steel        |
| 7    | Indicator       | Cast iron    |
| 8    | Stop bolt       | Steel        |
| 9    | Gasket          | Paper        |
| 10   | Spur gear body  | Cast iron    |
| 11   | Screw           | Steel        |
| 12   | Bearing         | Steel        |
| 13   | Worm shaft      | Steel        |
| 14   | Key             | Steel        |
| 15   | Spur gear       | Steel        |
| 16   | Spur gear shaft | Steel        |
| 17   | Gasket          | Paper        |
| 18   | Cover           | Cast iron    |
| 19   | Screw           | Steel        |
| 20   | Handwheel       | Cast iron    |
| 21   | Washer          | Steel        |
| 22   | Screw           | Steel        |
| 23   | Worm            | Steel        |
| 24   | Pin             | Steel        |
| 25   | Bushing         | Copper       |
| 26   | O ring          | NBR          |

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## L32.7/007-01.1114 PN25 DN50-DN350 Butterfly valve wafer

STAINLESS STEEL DOUBLE OFFSET WAFER BUTTERFLY VALVE PN25 FIRE SAFE

VALVE SIZE DN50 - 150 ( in mm ) :



| DN                | 50      | 65      | 80      | 100     | 125     | 150     |
|-------------------|---------|---------|---------|---------|---------|---------|
| E                 | 43      | 46      | 47      | 53      | 57      | 56      |
| A                 | 99      | 110     | 128     | 150     | 163     | 176     |
| B                 | 118     | 125     | 140     | 157     | 170     | 185     |
| H3                | 60      | 60      | 70      | 70      | 70      | 70      |
| Ø M               | 90      | 90      | 125     | 125     | 125     | 125     |
| M1                | 70      | 70      | 102     | 102     | 102     | 102     |
| Ø De              | 92      | 108     | 126     | 153     | 184     | 212     |
| Ø Di              | 38      | 63      | 78      | 95      | 118     | 143     |
| Min pipe diameter | 49      | 62      | 78      | 93      | 120     | 149     |
| Weight (in Kg)    | 3.9     | 4.5     | 7       | 9       | 12      | 13.5    |
| Ref.              | 1114050 | 1114065 | 1114080 | 1114100 | 1114125 | 1114150 |

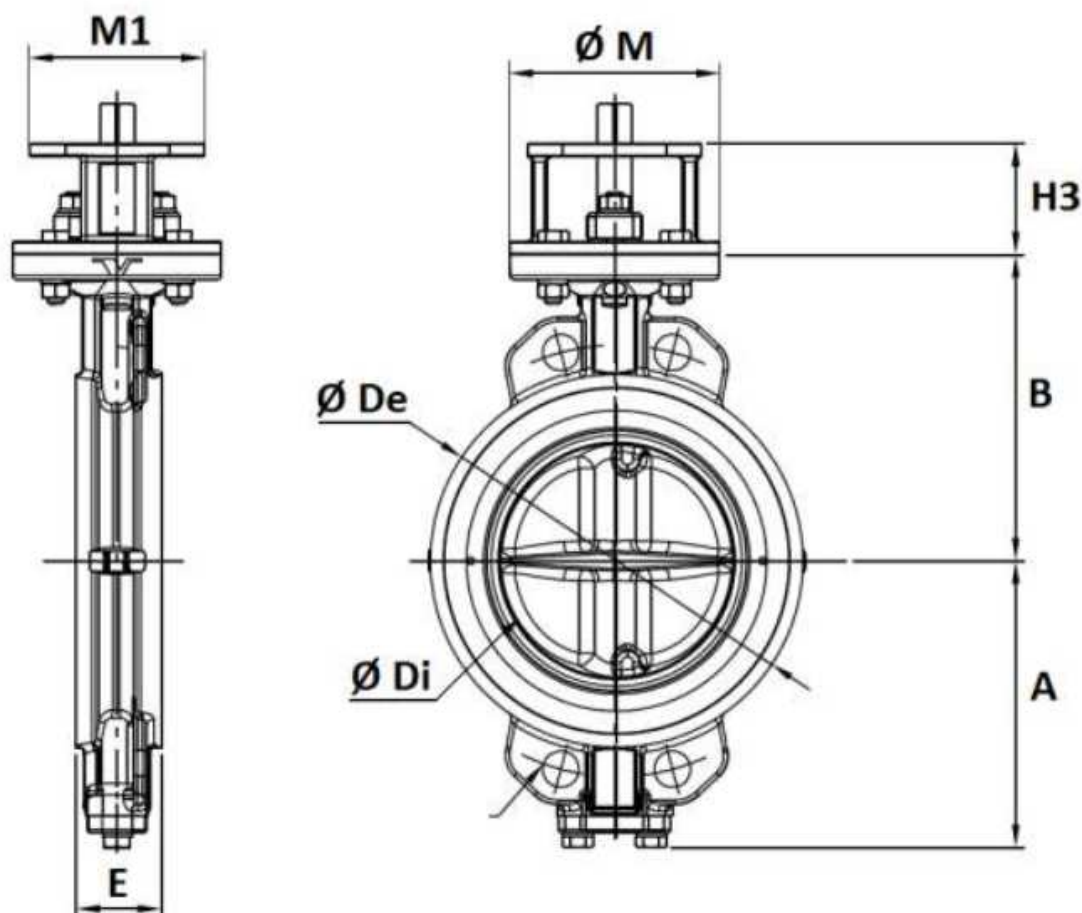


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## L32.7/007-01.1114 PN25 DN50-DN350 Butterfly valve wafer

STAINLESS STEEL DOUBLE OFFSET WAFER BUTTERFLY VALVE PN25 FIRE SAFE

VALVE SIZE DN200 - 400 ( in mm ) :



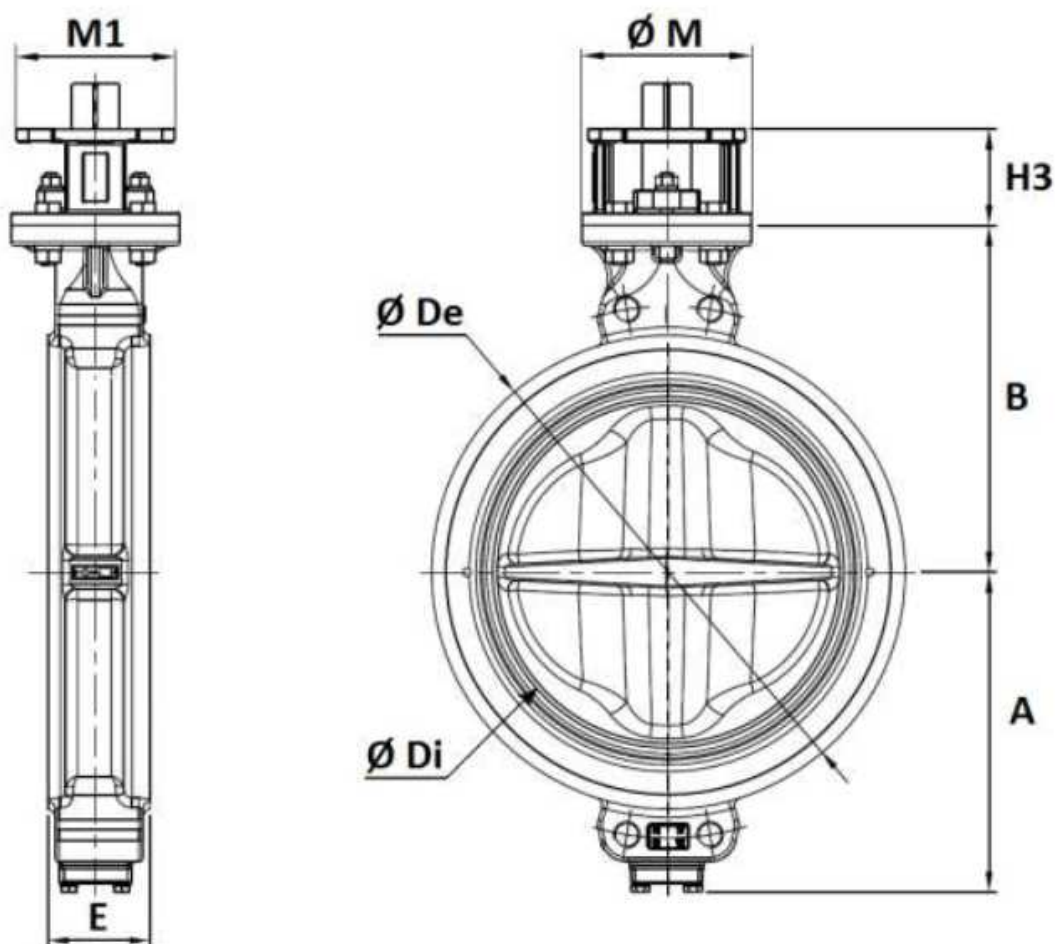
| DN                | 200     | 250     | 300     | 350     | 400     |
|-------------------|---------|---------|---------|---------|---------|
| E                 | 62      | 68      | 78      | 78      | 102     |
| A                 | 206     | 238     | 269     | 306     | 342     |
| B                 | 220     | 260     | 290     | 326     | 370     |
| H3                | 80      | 80      | 100     | 100     | 120     |
| Ø M               | 150     | 150     | 175     | 175     | 210     |
| M1                | 125     | 125     | 160     | 160     | 195     |
| Ø De              | 268     | 326     | 375     | 416     | 476     |
| Ø Di              | 187.6   | 235.5   | 282     | 322     | 371     |
| Min pipe diameter | 196     | 243     | 289     | 329     | 377     |
| Weight (in Kg)    | 22      | 32      | 48      | 66      | 107     |
| Ref.              | 1114200 | 1114250 | 1114300 | 1114350 | 1114400 |

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## L32.7/007-01.1114 PN25 DN50-DN350 Butterfly valve wafer

STAINLESS STEEL DOUBLE OFFSET WAFER BUTTERFLY VALVE PN25 FIRE SAFE

VALVE SIZE DN450 - 600 ( in mm ) :



| DN                | 450     | 500     | 600     |
|-------------------|---------|---------|---------|
| E                 | 114     | 127     | 154     |
| A                 | 370     | 399     | 455     |
| B                 | 395     | 430     | 490     |
| H3                | 120     | 120     | 150     |
| Ø M               | 210     | 210     | 300     |
| M1                | 195     | 195     | 300     |
| Ø De              | 534     | 588     | 692     |
| Ø Di              | 418     | 466     | 570     |
| Min pipe diameter | 423     | 471     | 572     |
| Weight (in Kg)    | 130     | 163     | 278     |
| Ref.              | 1114450 | 1114500 | 1114600 |

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## L32.7/007-01.1114 PN25 DN50-DN350 Butterfly valve wafer

STAINLESS STEEL DOUBLE OFFSET WAFER BUTTERFLY VALVE PN25 FIRE SAFE

HANDLE SIZE :



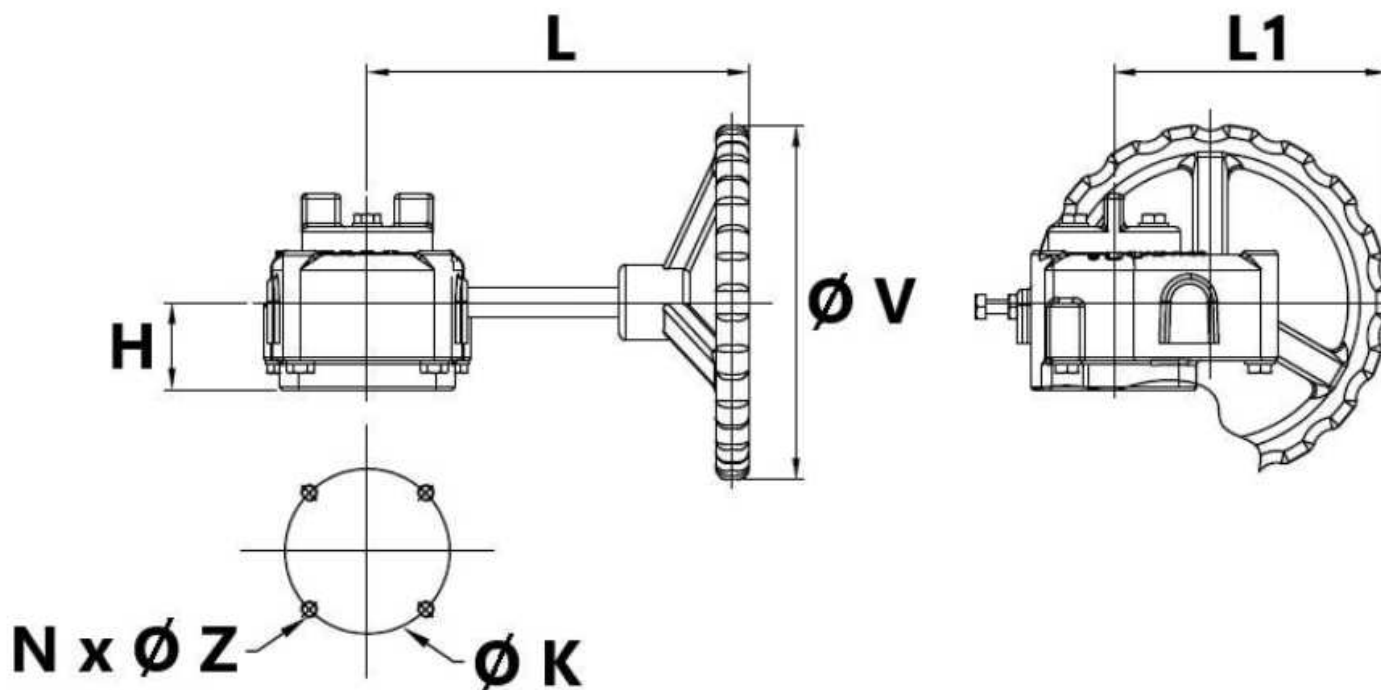
| DN          | 50  | 65  | 80  | 100 | 125 | 150 |
|-------------|-----|-----|-----|-----|-----|-----|
| L           | 200 | 200 | 250 | 250 | 355 | 355 |
| Weight (Kg) | 0.7 | 0.7 | 0.8 | 0.8 | 1.6 | 1.6 |

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## L32.7/007-01.1114 PN25 DN50-DN350 Butterfly valve wafer

STAINLESS STEEL DOUBLE OFFSET WAFER BUTTERFLY VALVE PN25 FIRE SAFE

GEARBOX SIZE DN 50-350 :



| DN          | 50-65   | 80      | 100     | 125-150 | 200     | 250     | 300-350 |
|-------------|---------|---------|---------|---------|---------|---------|---------|
| L           | 162     |         | 202     |         | 265     |         | 340     |
| L1          | 116     |         | 163     |         | 216     |         | 281     |
| H           | 37      |         | 42      |         | 41      |         | 52      |
| Ø V         | 150     |         | 200     |         | 310     |         | 400     |
| Ø K         | 70      |         | 102     |         | 125     |         | 140     |
| ISO         | F07     |         | F10     |         | F12     |         | F14     |
| N x Ø Z     | 4 x M8  |         | 4 x M10 |         | 4 x M12 |         | 4 x M16 |
| Weight (Kg) | 3.3     |         | 7.5     |         | 9       |         | 22      |
| Ref.        | 1193001 | 1193002 | 1193003 | 1193004 | 1193005 | 1193006 | 1193007 |

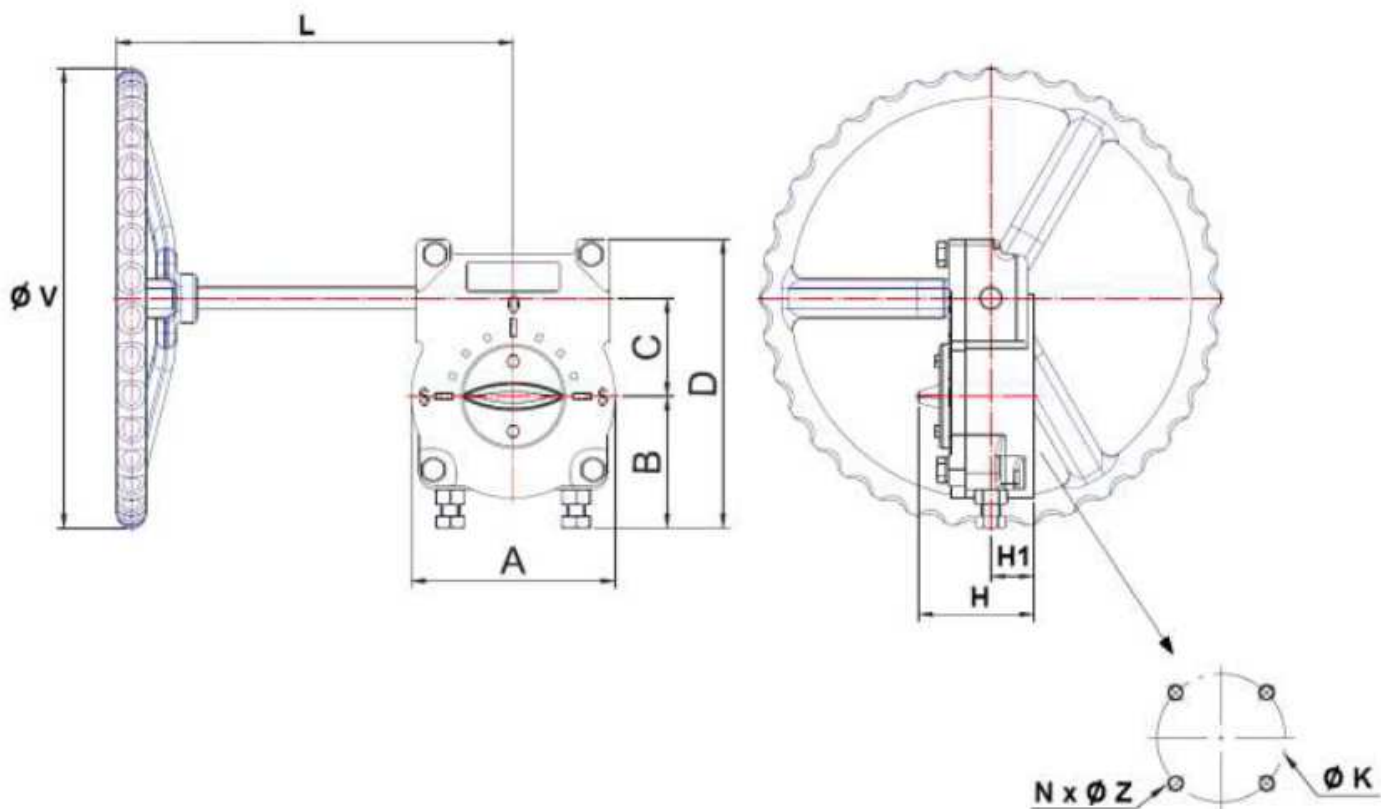


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## L32.7/007-01.1114 PN25 DN50-DN350 Butterfly valve wafer

STAINLESS STEEL DOUBLE OFFSET WAFER BUTTERFLY VALVE PN25 FIRE SAFE

GEARBOX SIZE DN 400-500 :



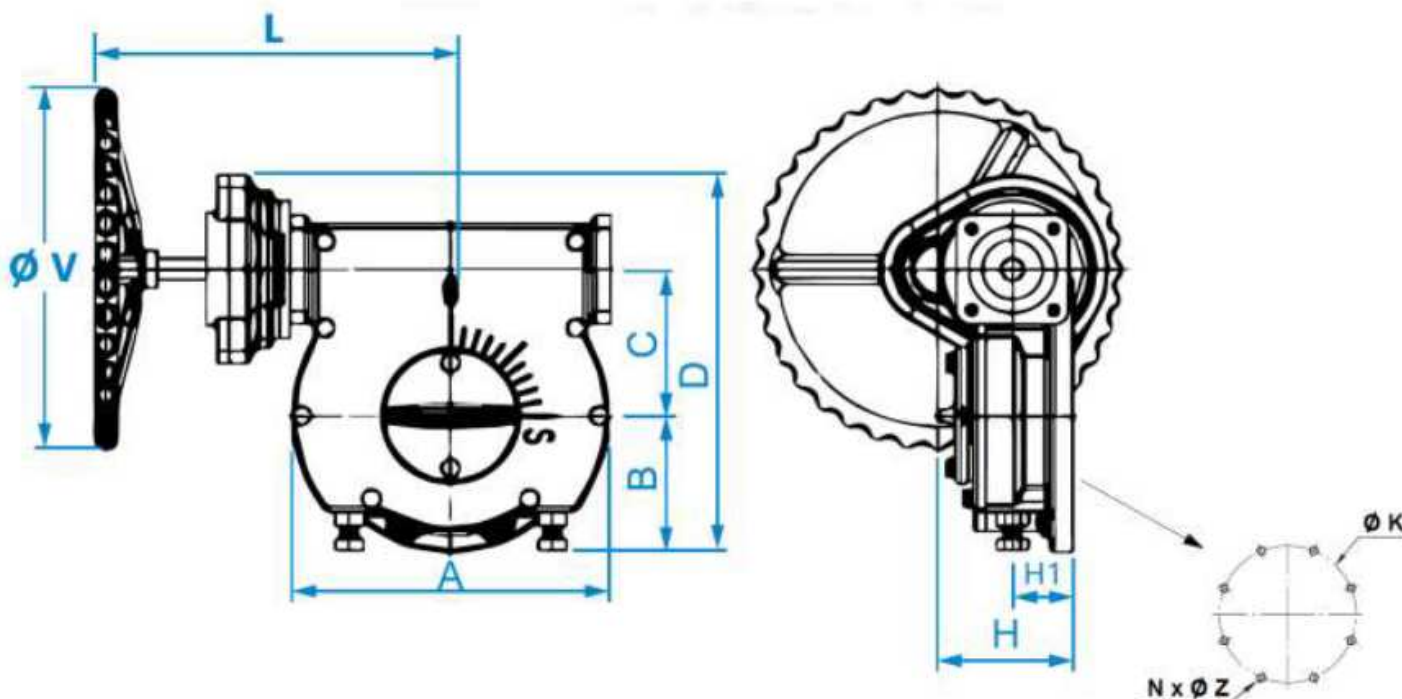
| DN             | 400-500 |
|----------------|---------|
| L              | 319     |
| A              | 251     |
| B              | 113     |
| C              | 123     |
| D              | 293     |
| H              | 127     |
| H1             | 56      |
| Ø V            | 400     |
| Ø K            | 165     |
| ISO            | F16     |
| N x Ø Z        | 4 x M20 |
| Weight (in Kg) | 35      |

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## L32.7/007-01.1114 PN25 DN50-DN350 Butterfly valve wafer

STAINLESS STEEL DOUBLE OFFSET WAFER BUTTERFLY VALVE PN25 FIRE SAFE

GEARBOX SIZE DN 600 :



| DN             | 600     |
|----------------|---------|
| L              | 383     |
| A              | 341     |
| B              | 148     |
| C              | 160     |
| D              | 411     |
| H              | 145     |
| H1             | 65      |
| Ø V            | 400     |
| Ø K            | 254     |
| ISO            | F25     |
| N x Ø Z        | 8 x M16 |
| Weight (in Kg) | 109     |

**L32****L32.7/007-01.1114 PN25 DN50-DN350**  
**Butterfly valve wafer****STAINLESS STEEL DOUBLE OFFSET WAFER BUTTERFLY VALVE PN25 FIRE SAFE****GEARBOX SPECIFICATIONS :**

| <b>DN</b>                                      | <b>50-65</b>   | <b>80</b>      | <b>100</b>     | <b>125-150</b> | <b>200-250</b> | <b>300-350</b> | <b>400-500</b> | <b>600</b>    |
|------------------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|
| <b>Ref.</b>                                    | <b>1193001</b> | <b>1193002</b> | <b>1193003</b> | <b>1193004</b> | <b>-</b>       | <b>-</b>       | <b>-</b>       | <b>-</b>      |
| <b>Ratio factor</b>                            | <b>40 :1</b>   | <b>40 :1</b>   | <b>36 :1</b>   | <b>36 :1</b>   | <b>36 :1</b>   | <b>52 :1</b>   | <b>70 :1</b>   | <b>207 :1</b> |
| <b>Number of cycles for opening or closing</b> | <b>10</b>      | <b>10</b>      | <b>9</b>       | <b>9</b>       | <b>9</b>       | <b>13</b>      | <b>17.5</b>    | <b>52</b>     |
| <b>Input torque ( Nm )</b>                     | <b>24.5</b>    | <b>24.5</b>    | <b>54</b>      | <b>54</b>      | <b>109</b>     | <b>150</b>     | <b>225</b>     | <b>451</b>    |
| <b>Output torque ( Nm )</b>                    | <b>245</b>     | <b>245</b>     | <b>490</b>     | <b>490</b>     | <b>980</b>     | <b>1960</b>    | <b>3922</b>    | <b>7845</b>   |

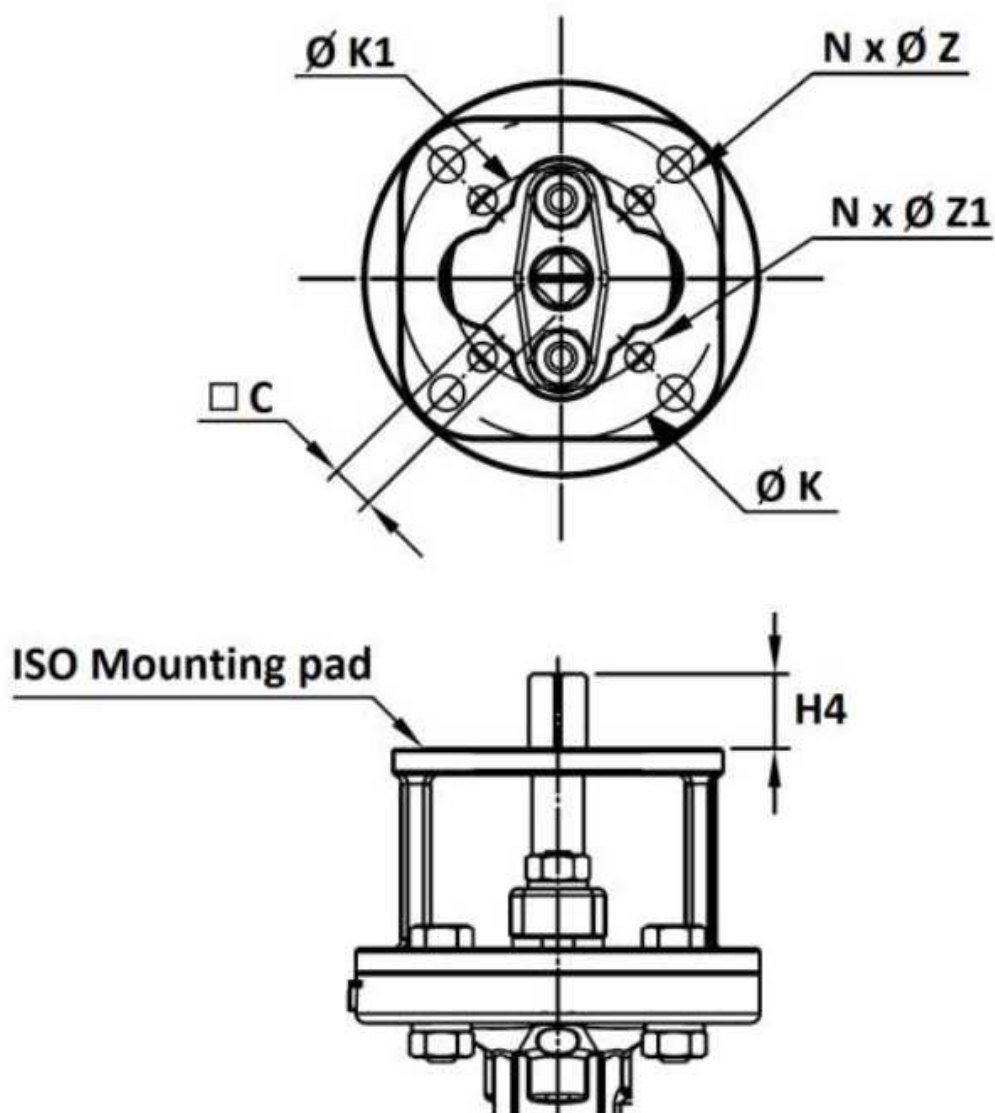
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## L32.7/007-01.1114 PN25 DN50-DN350

### Butterfly valve wafer

STAINLESS STEEL DOUBLE OFFSET WAFER BUTTERFLY VALVE PN25 FIRE SAFE

ISO MOUNTING PAD AND STEM SIZE (in mm) :



| DN     | 50     | 65 | 80 | 100    | 125 | 150 | 200    | 250 | 300    | 350 | 400    | 450 | 500    | 600    |
|--------|--------|----|----|--------|-----|-----|--------|-----|--------|-----|--------|-----|--------|--------|
| C      | 11     |    | 14 |        | 17  |     | 19     |     | 27     |     | 36     |     | 46     | 46     |
| H4     | 18     |    |    | 23     |     |     | 28     |     | 37     |     | 47     |     | 56     | 56     |
| Ø K    | 70     |    |    | 102    |     |     | 125    |     | 140    |     | 165    |     | 165    | 254    |
| ISO    | F07    |    |    | F10    |     |     | F12    |     | F14    |     | F16    |     | F16    | F25    |
| N x ØZ | 4 x 10 |    |    | 4 x 12 |     |     | 4 x 14 |     | 4 x 18 |     | 4 x 22 |     | 4 x 22 | 8 x 17 |
| Ø K1   | 50     |    |    | 70     |     |     | 102    |     | 125    |     | 140    |     | 140    | -      |
| ISO1   | F05    |    |    | F07    |     |     | F10    |     | F12    |     | F14    |     | F14    | -      |
| NxØZ1  | 4 x 8  |    |    | 4 x 10 |     |     | 4 x 12 |     | 4 x 14 |     | 4 x 18 |     | 4 x 18 | -      |



# L32

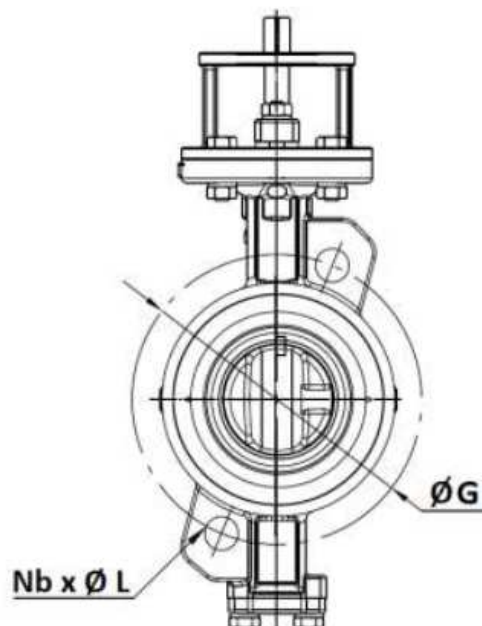
## L32.7/007-01.1114 PN25 DN50-DN350

### Butterfly valve wafer

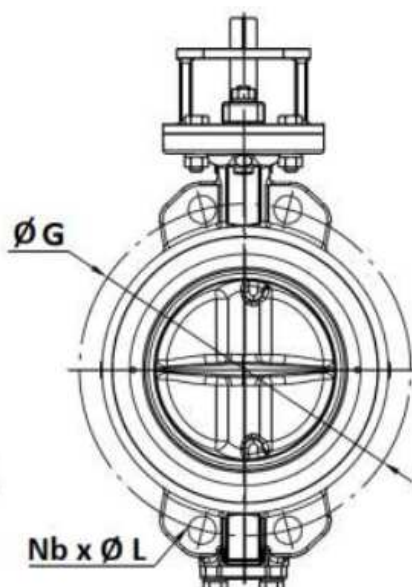
STAINLESS STEEL DOUBLE OFFSET WAFER BUTTERFLY VALVE PN25 FIRE SAFE

*BETWEEN FLANGES PN25 SIZE ( in mm ) :*

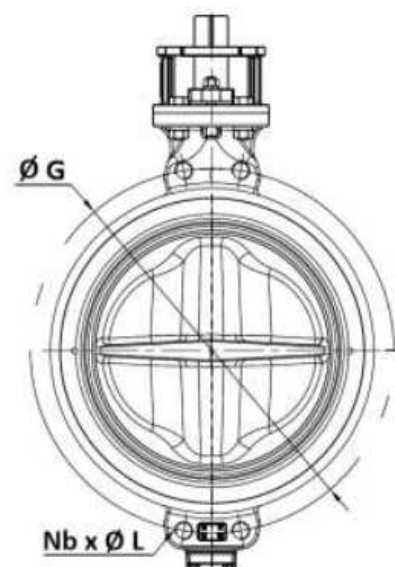
DN 50 – 150



DN 200 - 400



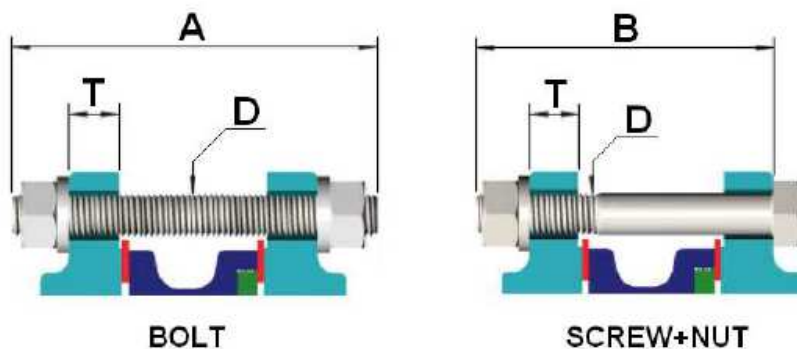
DN 450 - 600



| DN       | 50      | 65      | 80      | 100     | 125     | 150     | 200     | 250     | 300     | 350     | 400     | 450     | 500     | 600     |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Ø G      | 125     | 145     | 160     | 190     | 220     | 250     | 310     | 370     | 430     | 490     | 550     | 600     | 660     | 770     |
| Nb x Ø L | 2 x 18  | 2 x 18  | 2 x 18  | 2 x 22  | 2 x 26  | 2 x 26  | 4 x 26  | 4 x 30  | 4 x 30  | 4 x 33  | 4 x 36  | 4x M33  | 4x M33  | 4x M36  |
| Ref.     | 1114050 | 1114065 | 1114080 | 1114100 | 1114125 | 1114150 | 1114200 | 1114250 | 1114300 | 1114350 | 1114400 | 1114450 | 1114500 | 1114600 |

#### STAINLESS STEEL DOUBLE OFFSET WAFER BUTTERFLY VALVE PN25 FIRE SAFE

*BOLTING SIZE PN25 ( in mm, not included with valves ) :*



| PN25 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DN   | 50  | 65  | 80  | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 600 |
| A    | 130 | 140 | 145 | 160 | 180 | 180 | 190 | 210 | 220 | 235 | 270 | 300 | 310 | 370 |
| B    | 125 | 125 | 130 | 140 | 155 | 155 | 165 | 180 | 195 | 205 | 240 | 265 | 280 | 330 |
| D    | M16 | M16 | M16 | M20 | M24 | M24 | M24 | M27 | M27 | M30 | M33 | M33 | M33 | M36 |
| T    | 22  | 22  | 24  | 24  | 26  | 28  | 30  | 32  | 34  | 38  | 40  | 48  | 48  | 58  |

*BOLTING TIGHTENING TORQUE :*

| Bolting size | Max torque (Nm) |
|--------------|-----------------|
| M16          | 150             |
| M20          | 270             |
| M22          | 434             |
| M24          | 450             |
| M26          | 650             |
| M27          | 700             |
| M28          | 815             |
| M30          | 950             |
| M32          | 1140            |
| M33          | 1300            |
| M36          | 1700            |

# L32

## L32.7/007-01.1114 PN25 DN50-DN350 Butterfly valve wafer

STAINLESS STEEL DOUBLE OFFSET WAFER BUTTERFLY VALVE PN25 FIRE SAFE

### STANDARDS :

- Manufacturer certified ISO 9001:2015
- DIRECTIVE 2014/68/EU : For liquids and gas of Group 1
  - DN50-125 : Risk Category II, CE0035 marking
  - DN150-600 : Risk Category III, CE0035 marking
- Designing according to API 609
- Marking according to MSS SP-25
- Tightness tests according to ISO 5208, Rate A
- Between flanges according to EN 1092-1 PN25
- ISO 5211 mounting pad
- Length according to EN 558 series 20 ( ISO 5752 series 20 )
- Fire safe according to ISO 10497 : 2010
- ATEX Group II Category 2 G/2D Zone 1 & 21 Zone 2 & 22 according to directive 2014/34/EU (Optional marking)
- SIL2 according to IEC/EN 61508, SIL 3 possible according to installation