

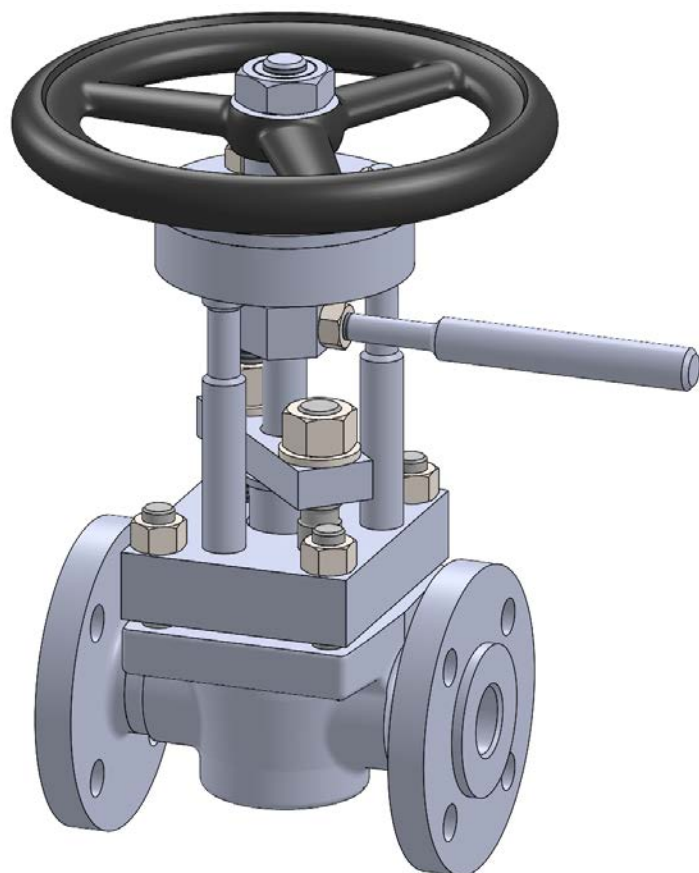


**PHÖNIX**

**STRACK**

**DAUME**  
REGELARMATUREN

**S/P Solent & Pratt**  
Phoenix Ltd



# Liftplug Valve

## Type S50

## PN 16

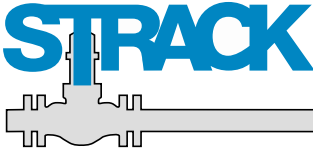
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Metal Seated Liftplug Valve



Model S50

Straight Way

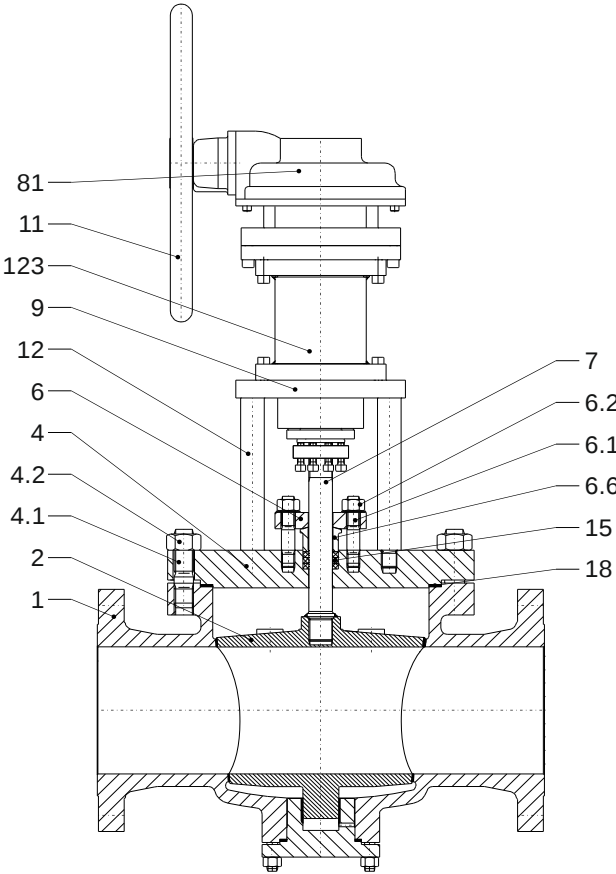
Standard Materials of Construction

Options

Other materials per customer requirements are available!

Notes

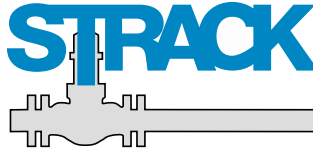
STRACK reserves the right to change product design and specification without notice!



Materials

| Item | Part Name           | Carbon steel                     | Heat resistant carbon steel       |                                   | Stainless steel                   |
|------|---------------------|----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
|      |                     | -10°C up to 400°C<br>up to 750°F | -10°C up to 550°C<br>up to 1020°F | -10°C up to 650°C<br>up to 1200°F | -200°C up to 400°C<br>up to 750°F |
| 1    | Body                | 1.0460 / 1.0619                  | 1.7335 / 1.7357                   | 1.7362 / 1.7363                   | 1.4404 / 1.4408                   |
|      | Seat overlay        | 1.4370                           | 1.4115                            | Stellite 21                       | 1.4115                            |
| 2    | Plug                | 1.4021 / 1.0619                  | 1.7335 / 1.7357                   | 1.7362 / 1.7363                   | 1.4571 / 1.4408                   |
|      | Overlay             | 1.4370                           | 1.4115                            | Stellite 21                       | -                                 |
| 4    | Bonnet              | 1.0460 / 1.0619                  | 1.7335 / 1.7357                   | 1.7362 / 1.7363                   | 1.4404 / 1.4408                   |
| 4.1  | Stud bolt           | 1.7709                           | 1.7709                            | 1.4986                            | A4-70                             |
| 4.2  | Hex. nut            | 1.7218                           | 1.7218                            | 1.4986                            | A4-70                             |
| 6    | Gland follower      | 1.4021                           | 1.4021                            | 1.4922                            | 1.4571                            |
| 6.1  | Stud bolt           | 1.7709                           | 1.7709                            | 1.4986                            | A4-70                             |
| 6.2  | Hex. nut            | 1.7218                           | 1.7218                            | 1.4986                            | A4-70                             |
| 6.6  | Gland flange        | 1.0460                           | 1.0460                            | 1.0460                            | 1.4571                            |
| 7    | Stem                | 1.4021                           | 1.4922                            | 1.4922                            | 1.4571                            |
| 11   | Handwheel           | Cast iron                        | Cast iron                         | Cast iron                         | Cast iron                         |
| 12   | Pillar              | 1.4057                           | 1.4057                            | 1.4057                            | 1.4057                            |
| 15   | Packing             | Graphite                         | Graphite                          | Graphite                          | Graphite                          |
| 18   | Gasket              | Graphite / stainless steel       | Graphite / stainless steel        |                                   | Graphite / stainless steel        |
| 81   | Gear                | Manufacturer standard            | Manufacturer standard             |                                   | Manufacturer standard             |
| 123  | Lifttorque operator | Manufacturer standard            | Manufacturer standard             |                                   | Manufacturer standard             |

Metal Seated Liftplug Valve



Model S50

Straight Way

PN16 Sizes DN15 - DN300

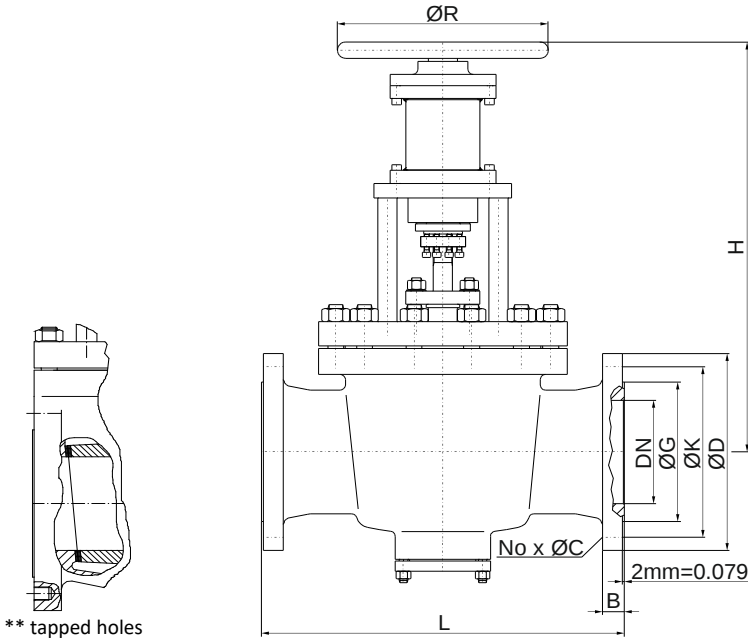
Options

- Other customer specific designs on request

Notes

- Marking acc. to EN19, AD-A4, CE
- Face-to-face dimensions acc. to DIN EN 558-1
- Standard connection flanges acc. to DIN EN 1092-1
- Testing acc. to DIN EN 12266
- Preservation per manufacturer standard

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Dimensions & Weights & Flow Coefficients

| DN  | Unit         | Plug<br>L    | Ball<br>L    | H             | ØR           | Flange facing type B1 |              |                      |              |            | Weight             |
|-----|--------------|--------------|--------------|---------------|--------------|-----------------------|--------------|----------------------|--------------|------------|--------------------|
|     |              |              |              |               |              | ØG                    | ØK           | No x ØC              | ØD           | B          |                    |
| 15  | [mm]<br>[in] | 130<br>5.12  |              | 340<br>13.39  | 150<br>5.91  | 45<br>1.77            | 65<br>2.56   | 4 x 14<br>4 x 0.55   | 95<br>3.74   | 16<br>0.63 | 19 kg<br>42 lbs    |
| 20  | [mm]<br>[in] | 150<br>5.91  |              | 370<br>14.57  | 150<br>5.91  | 58<br>2.28            | 75<br>2.95   | 4 x 14<br>4 x 0.55   | 105<br>4.13  | 18<br>0.71 | 22 kg<br>49 lbs    |
| 25  | [mm]<br>[in] | 160<br>6.30  | 125<br>4.92  | 370<br>14.57  | 200<br>7.87  | 68<br>2.68            | 85<br>3.35   | 4 x 14<br>4 x 0.55   | 115<br>4.53  | 18<br>0.71 | 23 kg<br>51 lbs    |
| 40  | [mm]<br>[in] | 200<br>7.87  | 140<br>5.51  | 400<br>15.75  | 225<br>8.86  | 88<br>3.46            | 110<br>4.33  | 4 x 18<br>4 x 0.71   | 150<br>5.91  | 18<br>0.71 | 30 kg<br>66 lbs    |
| 50  | [mm]<br>[in] | 230<br>9.06  | 150<br>5.91  | 400<br>15.75  | 225<br>8.86  | 102<br>4.02           | 125<br>4.92  | 4 x 18<br>4 x 0.71   | 165<br>6.50  | 18<br>0.71 | 36 kg<br>79 lbs    |
| 80  | [mm]<br>[in] | 310<br>12.20 | 180<br>7.09  | 480<br>18.90  | 250<br>9.84  | 138<br>5.43           | 160<br>6.30  | 8 x 18<br>8 x 0.71   | 200<br>7.87  | 20<br>0.79 | 65 kg<br>143 lbs   |
| 100 | [mm]<br>[in] | 350<br>13.78 | 190<br>7.48  | 560<br>22.05  | 300<br>11.81 | 158<br>6.22           | 180<br>7.09  | 8 x 18<br>8 x 0.71   | 220<br>8.66  | 20<br>0.79 | 106 kg<br>234 lbs  |
| 150 | [mm]<br>[in] | 480<br>18.90 | 350<br>13.78 | 630<br>24.80  | 400<br>15.75 | 212<br>8.35           | 240<br>9.45  | 8 x 22<br>8 x 0.87   | 285<br>11.22 | 22<br>0.87 | 185 kg<br>408 lbs  |
| 200 | [mm]<br>[in] | 600<br>23.62 | 400<br>15.75 | 790<br>31.10  | 500<br>19.69 | 268<br>10.55          | 295<br>11.61 | 12 x 22<br>12 x 0.87 | 340<br>13.39 | 24<br>0.94 | 340 kg<br>750 lbs  |
| 250 | [mm]<br>[in] | 730<br>28.74 | 450<br>17.72 | 900<br>35.43  | 600<br>23.62 | 320<br>12.60          | 355<br>13.98 | 12 x 26<br>12 x 1.02 | 405<br>15.94 | 26<br>1.02 | 450 kg<br>992 lbs  |
| 300 | [mm]<br>[in] | 850<br>33.46 | 500<br>19.69 | 1030<br>40.55 | 800<br>31.50 | 378<br>14.88          | 410<br>16.14 | 12 x 26<br>12 x 1.02 | 460<br>18.11 | 28<br>1.10 | 670 kg<br>1477 lbs |

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