

# WEY PLATTENSCHIEBER DBA-GK

## WEY KNIFE GATE VALVE DBA-GK

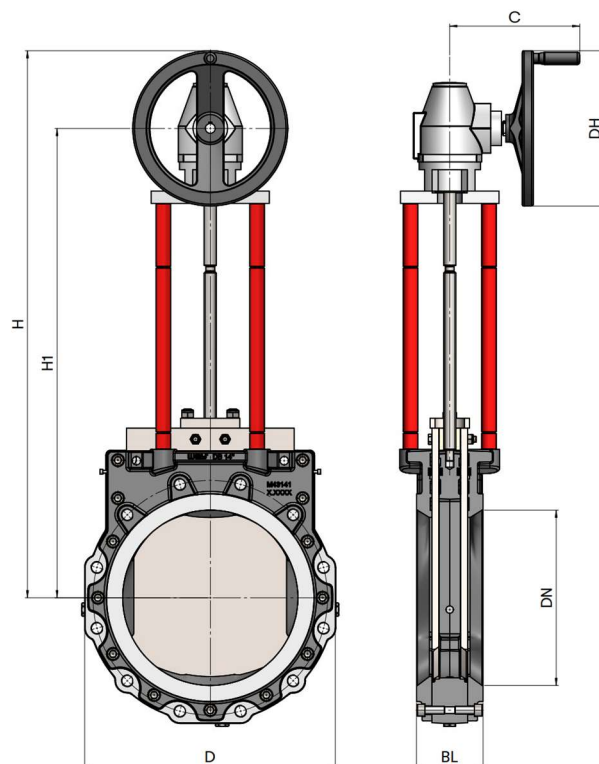


### Datenblatt / Data sheet

2.54.25.0200\_d\_e

#### DN 350 – 600 / NPS 14" – 24"

- Antrieb / Actuation: Kegelradgetriebe und Handrad / Bevel gearbox and handwheel
- Flanschbohrung / Flange drilling: ANSI B16.5-150
- Baulänge / Face-to-Face: Sonder / Special
- Nenndruck / Nominal pressure: 6 bar / 90 psi
- Dichtheitsprüfung gemäss: EN 12266-1, Leckrate A
- Leak test acc. to: EN 12266-1, leak rate A



#### Generelle Abmessungen / General dimensions [mm]

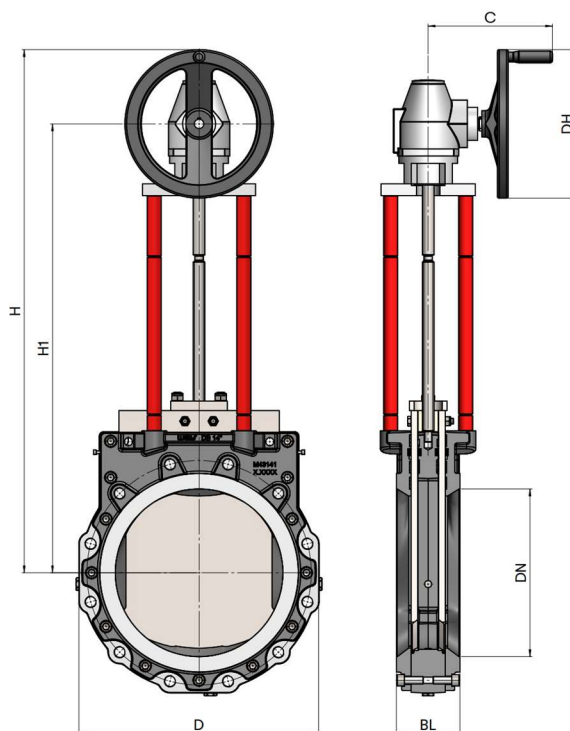
| DN   | NPS  | D    | BL   | GK          | H    | H1   | DH   | C    | Gew. / lb. |
|------|------|------|------|-------------|------|------|------|------|------------|
| [mm] | [in] | [mm] | [mm] | [-]         | [mm] | [mm] | [mm] | [mm] | [kg]       |
| 350  | 14"  | 509  | 135  | <b>10.2</b> | 1110 | 952  | 400  | 264  | 186        |
|      |      |      |      | 14.2        | 1190 | 990  | 315  | 290  | 201        |
| 400  | 16"  | 580  | 148  | <b>10.2</b> | 1197 | 1039 | 315  | 264  | 231        |
|      |      |      |      | <b>14.2</b> | 1277 | 1077 | 400  | 290  | 245        |
| 450  | 18"  | 623  | 157  | <b>10.2</b> | 1297 | 1139 | 315  | 264  | 307        |
|      |      |      |      | <b>14.2</b> | 1377 | 1177 | 400  | 290  | 321        |
|      |      |      |      | 14.6        | 1427 | 1177 | 500  | 311  | 324        |
| 500  | 20"  | 683  | 184  | <b>10.2</b> | 1376 | 1219 | 315  | 264  | 398        |
|      |      |      |      | <b>14.2</b> | 1457 | 1257 | 400  | 290  | 409        |
|      |      |      |      | <b>14.6</b> | 1572 | 1257 | 630  | 314  | 415        |
| 600  | 24"  | 796  | 192  | <b>10.2</b> | 1573 | 1415 | 315  | 264  | 595        |
|      |      |      |      | <b>14.2</b> | 1703 | 1453 | 500  | 311  | 608        |
|      |      |      |      | <b>14.6</b> | 1768 | 1453 | 630  | 314  | 613        |

Maximaler Arbeitsdruck ist abhängig von Mediumskategorie. Fett markierte Antriebe für max. Arbeitsdruck 6 bar bei Medium 1.  
Masse gem. Tabelle. Alle Angaben unverbindlich. Änderungen vorbehalten.

Maximum working pressure depends on the medium category. Actuators marked in bold for max. working pressure 6 bar for medium 1.

All dimensions acc. to table. All information non-binding.

## Generelle Abmessungen / General dimensions [in]

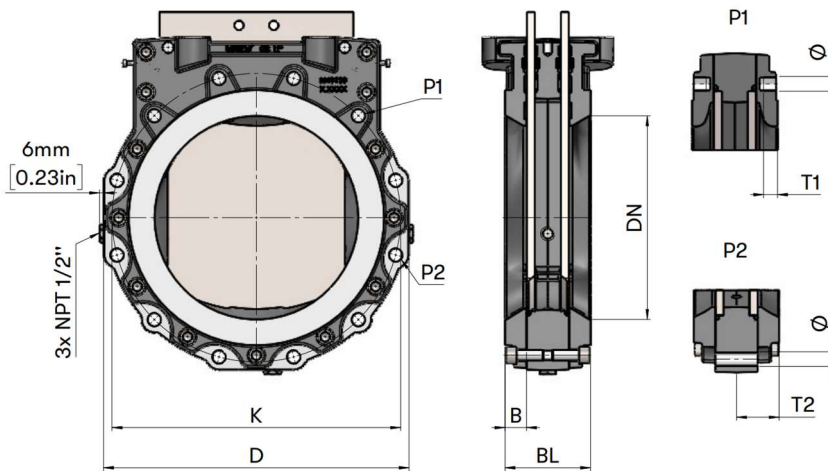


| DN   | NPS  | D     | BL   | GK          | H     | H1    | DH    | C     | Gew. / lb. |
|------|------|-------|------|-------------|-------|-------|-------|-------|------------|
| [mm] | [in] | [in]  | [in] | [-]         | [in]  | [in]  | [in]  | [in]  | [lbs]      |
| 350  | 14"  | 20.04 | 5.31 | <b>10.2</b> | 43.7  | 37.48 | 15.75 | 10.39 | 410        |
|      |      |       |      | 14.2        | 46.85 | 38.98 | 12.4  | 11.42 | 443        |
| 400  | 16"  | 22.83 | 5.83 | 10.2        | 47.13 | 40.91 | 12.4  | 10.39 | 509        |
|      |      |       |      | <b>14.2</b> | 50.28 | 42.4  | 15.75 | 11.42 | 540        |
| 450  | 18"  | 24.53 | 6.18 | 10.2        | 51.06 | 44.84 | 12.4  | 10.39 | 677        |
|      |      |       |      | <b>14.2</b> | 54.21 | 46.34 | 15.75 | 11.42 | 708        |
|      |      |       |      | 14.6        | 56.18 | 46.34 | 19.69 | 12.24 | 714        |
| 500  | 20"  | 26.89 | 7.24 | 10.2        | 54.17 | 47.99 | 12.4  | 10.39 | 877        |
|      |      |       |      | 14.2        | 57.36 | 49.49 | 15.75 | 11.42 | 902        |
|      |      |       |      | <b>14.6</b> | 61.89 | 49.49 | 24.8  | 12.36 | 915        |
| 600  | 24"  | 31.34 | 7.56 | 10.2        | 61.93 | 55.71 | 12.4  | 10.39 | 1312       |
|      |      |       |      | 14.2        | 67.05 | 57.2  | 19.69 | 12.24 | 1340       |
|      |      |       |      | <b>14.6</b> | 69.61 | 57.2  | 24.8  | 12.36 | 1351       |

Maximaler Arbeitsdruck ist abhängig von Mediumskategorie.  
Fett markierte Antriebe für max. Arbeitsdruck 6 bar bei  
Medium 1.  
Masse gem. Tabelle. Alle Angaben unverbindlich. Änderungen  
vorbehalten.

Maximum working pressure depends on the medium category.  
Actuators marked in bold for max. working pressure 6 bar for  
medium 1.

All dimensions acc. to table. All information non-binding.



### Flanschabmessungen / Flange dimensions [mm/in]

| ANSI B16.5-150 |      |      |      |       |       |       |         |             |         |             |
|----------------|------|------|------|-------|-------|-------|---------|-------------|---------|-------------|
| DN / NPS       |      | D    | BL   | B     | K     | Ø     | T1 (P1) |             | T2 (P2) |             |
| [mm]           | [in] | [mm] | [mm] | [mm]  | [mm]  | UNC   | [mm]    | [Anz./Qty.] | [mm]    | [Anz./Qty.] |
| 80             | 3"   | 162  | 82   | 22.75 | 152.4 | 5/8   | -       | -           | 40      | 4           |
| 100            | 4"   | 208  | 87   | 22.75 | 190.5 | 5/8   | 21      | 2           | 43      | 6           |
| 150            | 6"   | 263  | 100  | 24.75 | 241.3 | 3/4   | 24.5    | 2           | 49      | 6           |
| 200            | 8"   | 316  | 113  | 31.25 | 298.5 | 3/4   | 31      | 2           | 56      | 6           |
| 250            | 10"  | 390  | 120  | 30.25 | 362   | 7/8   | 30      | 4           | 59      | 8           |
| 300            | 12"  | 457  | 128  | 32.25 | 431.8 | 7/8   | 21      | 4           | 63      | 8           |
| 350            | 14"  | 509  | 135  | 31.25 | 476.3 | 1     | 19      | 4           | 67      | 8           |
| 400            | 16"  | 579  | 148  | 37.75 | 539.8 | 1     | 22      | 4           | 73      | 12          |
| 450            | 18"  | 623  | 157  | 35.75 | 577.9 | 1 1/8 | 25      | 6           | 78      | 10          |
| 500            | 20"  | 683  | 184  | 47.25 | 635   | 1 1/8 | 33      | 6           | 92      | 14          |
| 600            | 24"  | 796  | 192  | 43.25 | 749.3 | 1 1/4 | 30      | 8           | 95      | 14          |

| ANSI B16.5-150 |      |       |      |      |       |       |         |             |         |             |
|----------------|------|-------|------|------|-------|-------|---------|-------------|---------|-------------|
| DN / NPS       |      | D     | BL   | B    | K     | Ø     | T1 (P1) |             | T2 (P2) |             |
| [mm]           | [in] | [in]  | [in] | [in] | [in]  | UNC   | [in]    | [Anz./Qty.] | [in]    | [Anz./Qty.] |
| 80             | 3"   | 6.38  | 3.23 | 0.9  | 6     | 5/8   | -       | -           | 1.57    | 4           |
| 100            | 4"   | 8.19  | 3.43 | 0.9  | 7.5   | 5/8   | 0.83    | 2           | 1.69    | 6           |
| 150            | 6"   | 10.35 | 3.94 | 0.97 | 9.5   | 3/4   | 0.97    | 2           | 1.93    | 6           |
| 200            | 8"   | 12.44 | 4.45 | 1.23 | 11.75 | 3/4   | 1.22    | 2           | 2.2     | 6           |
| 250            | 10"  | 15.35 | 4.72 | 1.18 | 14.25 | 7/8   | 1.18    | 4           | 2.32    | 8           |
| 300            | 12"  | 17.99 | 5.04 | 1.27 | 17    | 7/8   | 0.83    | 4           | 2.48    | 8           |
| 350            | 14"  | 20.04 | 5.31 | 1.23 | 18.75 | 1     | 0.75    | 4           | 2.64    | 8           |
| 400            | 16"  | 22.36 | 5.83 | 1.49 | 21.25 | 1     | 0.87    | 4           | 2.87    | 12          |
| 450            | 18"  | 24.53 | 6.18 | 1.41 | 22.75 | 1 1/8 | 0.98    | 6           | 3.07    | 10          |
| 500            | 20"  | 26.89 | 7.27 | 1.86 | 6     | 1 1/8 | 1.3     | 6           | 3.62    | 14          |
| 600            | 24"  | 31.34 | 7.56 | 1.7  | 7.5   | 1 1/4 | 1.18    | 8           | 3.74    | 14          |

P1 Position Flanschbohrungen im Brustbereich / Position flange holes in chest area

P2 Position Flanschbohrungen **ausserhalb** Brustbereich / Position flange holes **outside of** chestarea