



VDS.

| Code    | Artikelnummer | D   | dh7 | L  | d1 | d2 | d3 | d4 | d5 | l  | h  | h1 | C#<br>[Nm] | L#<br>[J] |  |
|---------|---------------|-----|-----|----|----|----|----|----|----|----|----|----|------------|-----------|-------------------------------------------------------------------------------------|
| 72641-R | VDS.80-A8     | 83  | 8   | 29 | 18 | 16 | 21 | 26 | 19 | 9  | 17 | 8  | 34         | 6         | 84                                                                                  |
| 72642-R | VDS.80-A10    | 83  | 10  | 29 | 18 | 16 | 21 | 26 | 19 | 9  | 17 | 8  | 34         | 6         | 86                                                                                  |
| 72660-R | VDS.100-A8    | 102 | 8   | 34 | 22 | 20 | 27 | 30 | 25 | 10 | 22 | 9  | 60         | 13        | 145                                                                                 |
| 72661-R | VDS.100-A10   | 102 | 10  | 34 | 22 | 20 | 27 | 30 | 25 | 10 | 22 | 9  | 60         | 13        | 140                                                                                 |
| 72662-R | VDS.100-A12   | 102 | 12  | 34 | 22 | 20 | 27 | 30 | 25 | 10 | 22 | 9  | 60         | 13        | 135                                                                                 |
| 72740-R | VDS.150-A8    | 150 | 8   | 44 | 26 | 24 | 34 | 38 | 30 | 12 | 30 | 10 | 180        | 26        | 335                                                                                 |
| 72741-R | VDS.150-A14   | 150 | 14  | 44 | 26 | 24 | 34 | 38 | 30 | 12 | 30 | 10 | 180        | 26        | 315                                                                                 |
| 72840-R | VDS.200-A8    | 200 | 8   | 53 | 40 | 38 | 44 | 50 | 40 | 14 | 36 | 13 | 320        | 27        | 620                                                                                 |
| 72841-R | VDS.200-A20   | 200 | 20  | 53 | 40 | 38 | 44 | 50 | 40 | 14 | 36 | 13 | 320        | 27        | 590                                                                                 |

VDS-SST

STAINLESS STEEL

| Code    | Artikelnummer  | D   | dh7 | L  | d1 | d2 | d3 | d4 | d5 | l  | h  | h1 | C#<br>[Nm] | L#<br>[J] |  |
|---------|----------------|-----|-----|----|----|----|----|----|----|----|----|----|------------|-----------|-------------------------------------------------------------------------------------|
| 72665-R | VDS.100-SST-10 | 102 | 10  | 34 | 22 | 20 | 27 | 30 | 25 | 10 | 22 | 9  | 60         | 13        | 141                                                                                 |
| 72745-R | VDS.150-SST-14 | 150 | 14  | 44 | 26 | 24 | 34 | 38 | 30 | 12 | 30 | 10 | 180        | 26        | 318                                                                                 |
| 72845-R | VDS.200-SST-20 | 200 | 20  | 53 | 40 | 38 | 44 | 50 | 40 | 14 | 36 | 13 | 320        | 27        | 596                                                                                 |

VDS+I

| Code    | Artikelnummer | D   | dh7 | L    | d1 | d2   | d3   | d4 | d5 | l  | h  | h1 | H  | m   | R    | C#<br>[Nm] | L#<br>[J] |  |
|---------|---------------|-----|-----|------|----|------|------|----|----|----|----|----|----|-----|------|------------|-----------|-------------------------------------------------------------------------------------|
| 72651-R | VDS.80+I-A8   | 83  | 8   | 29   | 18 | 16   | 21   | 26 | 19 | 9  | 17 | 8  | 45 | M6  | 30.5 | 34         | 6         | 106                                                                                 |
| 72652-R | VDS.80+I-A10  | 83  | 10  | 29   | 18 | 16   | 21   | 26 | 19 | 9  | 17 | 8  | 45 | M6  | 30.5 | 34         | 6         | 108                                                                                 |
| 72670-R | VDS.100+I-A8  | 102 | 8   | 34   | 22 | 20   | 27   | 30 | 25 | 10 | 22 | 9  | 60 | M6  | 38   | 60         | 13        | 180                                                                                 |
| 72671-R | VDS.100+I-A10 | 102 | 10  | 34   | 22 | 20   | 27   | 30 | 25 | 10 | 22 | 9  | 60 | M6  | 38   | 60         | 13        | 174                                                                                 |
| 72672-R | VDS.100+I-A12 | 102 | 12  | 34   | 22 | 20   | 27   | 30 | 25 | 10 | 22 | 9  | 60 | M6  | 38   | 60         | 13        | 168                                                                                 |
| 72700-R | VDS.125+I-A8  | 125 | 8   | 39.5 | 26 | 24   | 31   | 35 | 28 | 11 | 27 | 11 | 60 | M6  | 49   | 125        | 25        | 282                                                                                 |
| 72701-R | VDS.125+I-A12 | 125 | 12  | 39.5 | 26 | 24   | 31   | 35 | 28 | 11 | 27 | 11 | 60 | M6  | 49   | 125        | 25        | 270                                                                                 |
| 72702-R | VDS.125+I-A14 | 125 | 14  | 39.5 | 26 | 24   | 31   | 35 | 28 | 11 | 27 | 11 | 60 | M6  | 49   | 125        | 25        | 258                                                                                 |
| 72750-R | VDS.150+I-A8  | 150 | 8   | 44   | 26 | 24   | 34   | 38 | 30 | 12 | 30 | 10 | 65 | M8  | 56.5 | 180        | 26        | 399                                                                                 |
| 72751-R | VDS.150+I-A14 | 150 | 14  | 44   | 26 | 24   | 34   | 38 | 30 | 12 | 30 | 10 | 65 | M8  | 56.5 | 180        | 26        | 379                                                                                 |
| 72752-R | VDS.150+I-A16 | 150 | 16  | 44   | 26 | 24   | 34   | 38 | 30 | 12 | 30 | 10 | 65 | M8  | 56.5 | 180        | 26        | 359                                                                                 |
| 72800-R | VDS.175+I-A8  | 176 | 8   | 49   | 35 | 33   | 39   | 44 | 35 | 12 | 28 | 16 | 80 | M10 | 70   | 195        | 26        | 530                                                                                 |
| 72801-R | VDS.175+I-A16 | 176 | 16  | 49   | 35 | 33   | 39   | 44 | 35 | 12 | 28 | 16 | 80 | M10 | 70   | 195        | 26        | 500                                                                                 |
| 72802-R | VDS.175+I-A20 | 176 | 20  | 49   | 35 | 33   | 39   | 44 | 35 | 12 | 28 | 16 | 80 | M10 | 70   | 195        | 26        | 470                                                                                 |
| 72850-R | VDS.200+I-A8  | 200 | 8   | 53   | 40 | 38   | 44   | 50 | 40 | 14 | 36 | 13 | 90 | M10 | 81   | 320        | 27        | 714                                                                                 |
| 72851-R | VDS.200+I-A20 | 200 | 20  | 53   | 40 | 38   | 44   | 50 | 40 | 14 | 36 | 13 | 90 | M10 | 81   | 320        | 27        | 674                                                                                 |
| 72852-R | VDS.200+I-A24 | 200 | 24  | 53   | 40 | 38   | 44   | 50 | 40 | 14 | 36 | 13 | 90 | M10 | 81   | 320        | 27        | 634                                                                                 |
| 72911-R | VDS.250+I-A20 | 250 | 20  | 60   | 40 | 38   | 50   | 57 | 48 | 17 | 36 | 19 | 90 | M10 | 104  | 500        | 30        | 934                                                                                 |
| 72961-R | VDS.300+I-A20 | 300 | 20  | 66   | 40 | 36.5 | 68.5 | 72 | 66 | 20 | 44 | 20 | 90 | M10 | 124  | 500        | 30        | 1260                                                                                |

VDS+I-SST

STAINLESS STEEL

| Code    | Artikelnummer    | D   | dh7 | L  | d1 | d2 | d3 | d4 | d5 | l  | h  | h1 | H  | m   | R    | C#<br>[Nm] | L#<br>[J] |  |
|---------|------------------|-----|-----|----|----|----|----|----|----|----|----|----|----|-----|------|------------|-----------|---------------------------------------------------------------------------------------|
| 72675-R | VDS.100+I-SST-10 | 102 | 10  | 34 | 22 | 20 | 27 | 30 | 25 | 10 | 22 | 9  | 60 | M6  | 38   | 60         | 13        | 175                                                                                   |
| 72705-R | VDS.125+I-SST-12 | 125 | 12  | 42 | 26 | 24 | 31 | 35 | 28 | 11 | 27 | 11 | 60 | M6  | 49   | 125        | 25        | 273                                                                                   |
| 72755-R | VDS.150+I-SST-14 | 150 | 14  | 44 | 26 | 24 | 34 | 38 | 30 | 12 | 30 | 10 | 65 | M8  | 56.5 | 180        | 26        | 383                                                                                   |
| 72855-R | VDS.200+I-SST-20 | 200 | 20  | 53 | 40 | 38 | 44 | 50 | 40 | 14 | 36 | 13 | 90 | M10 | 81   | 320        | 27        | 681                                                                                   |

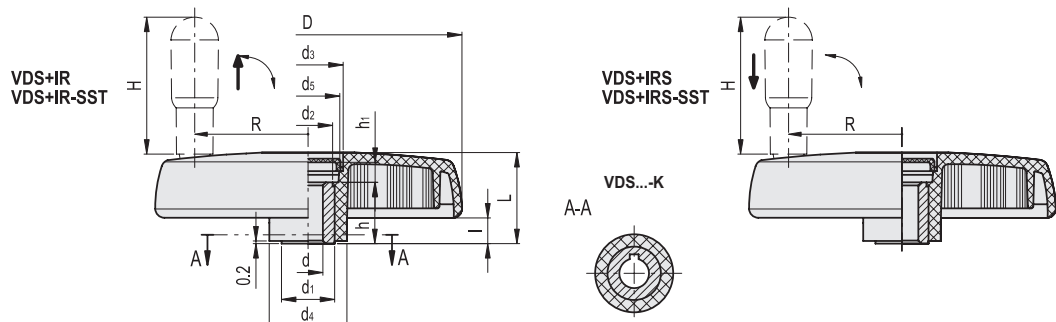
VDS+IEL

| Code    | Artikelnummer    | D    | dh7 | L  | d1 | d2   | d3   | d4 | d5 | l  | h  | h1 | H  | m   | R   | C#<br>[Nm] | L#<br>[J] |  |
|---------|------------------|------|-----|----|----|------|------|----|----|----|----|----|----|-----|-----|------------|-----------|---------------------------------------------------------------------------------------|
| 72966-R | VDS.300+IEL-A-20 | 3000 | 20  | 66 | 40 | 36.5 | 68.5 | 72 | 66 | 20 | 44 | 20 | 65 | M10 | 124 | 500        | 30        | 1270                                                                                  |

\* Um die Ausführung mit Bohrung und Nabenut zu bestellen, fügen Sie -K nach der Norm und Artikelnummer hinzu (z.B.: 72641-R-K VDS.80-A-8-K).

# Im Anhang ist die Ermittlung der Werte C - Bruchmoment und L - Schlagfestigkeit erklärt Technische Daten auf Seite A3.





VDS+IR

| Code    | Artikelnummer  | D   | dH7 | L    | d1 | d2   | d3   | d4 | d5   | l    | h  | h1  | H  | R    | C#<br>[Nm] | L#<br>[J] | △    |
|---------|----------------|-----|-----|------|----|------|------|----|------|------|----|-----|----|------|------------|-----------|------|
| 72656-R | VDS.80+IR-A8   | 83  | 8   | 38   | 18 | 16   | 16.5 | 25 | 13.5 | 18.5 | 17 | 3.5 | 45 | 28   | 34         | 6         | 133  |
| 72657-R | VDS.80+IR-A10  | 83  | 10  | 38   | 18 | 16   | 16.5 | 25 | 13.5 | 18.5 | 17 | 3.5 | 45 | 28   | 34         | 6         | 129  |
| 72680-R | VDS.100+IR-A8  | 102 | 8   | 34   | 22 | 20   | 27   | 30 | 25   | 10   | 22 | 9   | 45 | 38   | 60         | 14        | 177  |
| 72681-R | VDS.100+IR-A10 | 102 | 10  | 34   | 22 | 20   | 27   | 30 | 25   | 10   | 22 | 9   | 45 | 38   | 60         | 14        | 170  |
| 72682-R | VDS.100+IR-A12 | 102 | 12  | 34   | 22 | 20   | 27   | 30 | 25   | 10   | 22 | 9   | 45 | 38   | 60         | 14        | 163  |
| 72683-R | VDS.100+IR-A14 | 102 | 14  | 34   | 22 | 20   | 27   | 30 | 25   | 10   | 22 | 9   | 45 | 38   | 60         | 14        | 158  |
| 72710-R | VDS.125+IR-A8  | 125 | 8   | 39.5 | 26 | 24   | 31   | 35 | 28   | 11   | 27 | 11  | 60 | 49   | 125        | 14        | 311  |
| 72711-R | VDS.125+IR-A12 | 125 | 12  | 39.5 | 26 | 24   | 31   | 35 | 28   | 11   | 27 | 11  | 60 | 49   | 125        | 14        | 307  |
| 72712-R | VDS.125+IR-A14 | 125 | 14  | 39.5 | 26 | 24   | 31   | 35 | 28   | 11   | 27 | 11  | 60 | 49   | 125        | 14        | 303  |
| 72760-R | VDS.150+IR-A8  | 150 | 8   | 44   | 26 | 24   | 34   | 38 | 30   | 12   | 30 | 10  | 65 | 56.5 | 180        | 15        | 450  |
| 72761-R | VDS.150+IR-A14 | 150 | 14  | 44   | 26 | 24   | 34   | 38 | 30   | 12   | 30 | 10  | 65 | 56.5 | 180        | 15        | 432  |
| 72762-R | VDS.150+IR-A16 | 150 | 16  | 44   | 26 | 24   | 34   | 38 | 30   | 12   | 30 | 10  | 65 | 56.5 | 180        | 15        | 415  |
| 72810-R | VDS.175+IR-A8  | 176 | 8   | 49   | 35 | 33   | 39   | 44 | 35   | 12   | 28 | 16  | 80 | 70   | 195        | 20        | 588  |
| 72811-R | VDS.175+IR-A16 | 176 | 16  | 49   | 35 | 33   | 39   | 44 | 35   | 12   | 28 | 16  | 80 | 70   | 195        | 20        | 577  |
| 72812-R | VDS.175+IR-A20 | 176 | 20  | 49   | 35 | 33   | 39   | 44 | 35   | 12   | 28 | 16  | 80 | 70   | 195        | 20        | 565  |
| 72860-R | VDS.200+IR-A8  | 200 | 8   | 53   | 40 | 38   | 44   | 50 | 40   | 14   | 36 | 13  | 90 | 81   | 320        | 27        | 750  |
| 72861-R | VDS.200+IR-A20 | 200 | 20  | 53   | 40 | 38   | 44   | 50 | 40   | 14   | 36 | 13  | 90 | 81   | 320        | 27        | 710  |
| 72862-R | VDS.200+IR-A24 | 200 | 24  | 53   | 40 | 38   | 44   | 50 | 40   | 14   | 36 | 13  | 90 | 81   | 320        | 27        | 670  |
| 72921-R | VDS.250+IR-A20 | 250 | 20  | 60   | 40 | 38   | 50   | 57 | 48   | 17   | 36 | 19  | 90 | 104  | 500        | 30        | 997  |
| 72971-R | VDS.300+IR-A20 | 300 | 20  | 66   | 40 | 36.5 | 68.5 | 72 | 66   | 20   | 44 | 20  | 90 | 124  | 500        | 30        | 1375 |

VDS+IR-SST

STAINLESS STEEL

| Code    | Artikelnummer     | D   | dH7 | L  | d1 | d2 | d3 | d4 | d5 | l  | h  | h1 | H  | R    | C#<br>[Nm] | L#<br>[J] | △   |
|---------|-------------------|-----|-----|----|----|----|----|----|----|----|----|----|----|------|------------|-----------|-----|
| 72685-R | VDS.100+IR-SST-10 | 102 | 10  | 34 | 22 | 20 | 27 | 30 | 25 | 10 | 22 | 9  | 45 | 38   | 60         | 14        | 171 |
| 72715-R | VDS.125+IR-SST-12 | 125 | 12  | 42 | 26 | 24 | 31 | 35 | 28 | 11 | 27 | 11 | 60 | 49   | 125        | 14        | 310 |
| 72765-R | VDS.150+IR-SST-14 | 150 | 14  | 44 | 26 | 24 | 34 | 38 | 30 | 12 | 30 | 10 | 65 | 56.5 | 180        | 15        | 436 |
| 72865-R | VDS.200+IR-SST-20 | 200 | 20  | 53 | 40 | 38 | 44 | 50 | 40 | 14 | 36 | 13 | 90 | 81   | 320        | 27        | 717 |

VDS+IRS

| Code    | Artikelnummer   | D   | dH7 | L  | d1 | d2   | d3   | d4 | d5 | l  | h  | h1 | H  | R    | C#<br>[Nm] | L#<br>[J] | △    |
|---------|-----------------|-----|-----|----|----|------|------|----|----|----|----|----|----|------|------------|-----------|------|
| 72770-R | VDS.150+IRS-A8  | 150 | 8   | 44 | 26 | 24   | 34   | 38 | 30 | 12 | 30 | 10 | 65 | 56.5 | 180        | 15        | 455  |
| 72771-R | VDS.150+IRS-A14 | 150 | 14  | 44 | 26 | 24   | 34   | 38 | 30 | 12 | 30 | 10 | 65 | 56.5 | 180        | 15        | 445  |
| 72772-R | VDS.150+IRS-A16 | 150 | 16  | 44 | 26 | 24   | 34   | 38 | 30 | 12 | 30 | 10 | 65 | 56.5 | 180        | 15        | 435  |
| 72820-R | VDS.175+IRS-A8  | 176 | 8   | 49 | 35 | 33   | 39   | 44 | 35 | 12 | 28 | 16 | 80 | 70   | 195        | 20        | 590  |
| 72821-R | VDS.175+IRS-A16 | 176 | 16  | 49 | 35 | 33   | 39   | 44 | 35 | 12 | 28 | 16 | 80 | 70   | 195        | 20        | 580  |
| 72822-R | VDS.175+IRS-A20 | 176 | 20  | 49 | 35 | 33   | 39   | 44 | 35 | 12 | 28 | 16 | 80 | 70   | 195        | 20        | 570  |
| 72870-R | VDS.200+IRS-A8  | 200 | 8   | 53 | 40 | 38   | 44   | 50 | 40 | 14 | 36 | 13 | 90 | 81   | 320        | 27        | 770  |
| 72871-R | VDS.200+IRS-A20 | 200 | 20  | 53 | 40 | 38   | 44   | 50 | 40 | 14 | 36 | 13 | 90 | 81   | 320        | 27        | 730  |
| 72872-R | VDS.200+IRS-A24 | 200 | 24  | 53 | 40 | 38   | 44   | 50 | 40 | 14 | 36 | 13 | 90 | 81   | 320        | 27        | 690  |
| 72931-R | VDS.250+IRS-A20 | 250 | 20  | 60 | 40 | 38   | 50   | 57 | 48 | 17 | 36 | 19 | 90 | 104  | 500        | 30        | 955  |
| 72981-R | VDS.300+IRS-A20 | 300 | 20  | 66 | 40 | 36.5 | 68.5 | 72 | 66 | 20 | 44 | 20 | 90 | 124  | 500        | 30        | 1285 |

VDS+IRS-SST

STAINLESS STEEL

| Code    | Artikelnummer      | D   | dH7 | L  | d1 | d2 | d3 | d4 | d5 | l  | h  | h1 | H  | R    | C#<br>[Nm] | L#<br>[J] | △   |
|---------|--------------------|-----|-----|----|----|----|----|----|----|----|----|----|----|------|------------|-----------|-----|
| 72775-R | VDS.150+IRS-SST-14 | 150 | 14  | 44 | 26 | 24 | 34 | 38 | 30 | 12 | 30 | 10 | 65 | 56.5 | 180        | 15        | 450 |
| 72875-R | VDS.200+IRS-SST-20 | 200 | 20  | 53 | 40 | 38 | 44 | 50 | 40 | 14 | 36 | 13 | 90 | 81   | 320        | 27        | 737 |

\* Um die Ausführung mit Bohrung und Nabenut zu bestellen, fügen Sie -K nach der Norm und Artikelnummer hinzu (z.B.: 72641-R-K VDS.80-A-8-K).

# Im Anhang ist die Ermittlung der Werte C - Bruchmoment und L - Schlagfestigkeit erklärt Technische Daten auf Seite A3.