

DSR / FE.DSR / OS.DSR



LOAD ANGLE CHART

α max : 90° / β max : 60°

L : Load

4:1

| METRIC THREADS | | Torque (Nm) | | | | | | | | | | |
|-------------------------------|------------------------|-------------|-------|------|-------|-------|----------|------------|----------|------------|------------|--|
| Number of rings | Lifting angle β | | 1 | 2 | 1 | 2 | 2 | Asymmetric | 3 → 4 | Asymmetric | | |
| | Loading angle α | | 0° | 0° | 90° | 90° | 0° → 45° | 45° → 60° | 0° → 45° | 45° → 60° | Asymmetric | |
| DSR M 5 UP | 3 | 0,30 | 0,60 | 0,10 | 0,20 | 0,14 | 0,10 | 0,10 | 0,21 | 0,15 | 0,10 | |
| DSR M 6 UP | 4 | 0,40 | 0,80 | 0,20 | 0,40 | 0,28 | 0,20 | 0,20 | 0,42 | 0,30 | 0,20 | |
| DSR / FE.DSR M 8 UP | 6 | 1,00 | 2,00 | 0,50 | 1,00 | 0,70 | 0,50 | 0,50 | 1,05 | 0,75 | 0,50 | |
| DSR / FE.DSR / OS.DSR M 10 UP | 10 | 1,50 | 3,00 | 0,90 | 1,80 | 1,26 | 0,90 | 0,90 | 1,89 | 1,35 | 0,90 | |
| DSR / FE.DSR / OS.DSR M 12 UP | 15 | 1,50 | 3,00 | 1,30 | 2,60 | 1,82 | 1,30 | 1,30 | 2,73 | 1,95 | 1,30 | |
| DSR / FE.DSR M 14 UP | 30 | 2,60 | 5,20 | 1,80 | 3,60 | 2,52 | 1,80 | 1,80 | 3,78 | 2,70 | 1,80 | |
| DSR / FE.DSR / OS.DSR M 16 UP | 50 | 2,80 | 5,60 | 2,30 | 4,60 | 3,22 | 2,30 | 2,30 | 4,83 | 3,45 | 2,30 | |
| DSR / FE.DSR M 18 UP | 70 | 2,50 | 5,00 | 2,30 | 4,60 | 3,22 | 2,30 | 2,30 | 4,83 | 3,45 | 2,30 | |
| DSR / FE.DSR M 20 UP 2t5 | 100 | 2,80 | 5,60 | 2,50 | 5,00 | 3,50 | 2,50 | 2,50 | 5,25 | 3,75 | 2,50 | |
| DSR / OS.DSR M 20 3t2 UP | 100 | 3,20 | 6,40 | 3,20 | 6,40 | 4,48 | 3,20 | 3,20 | 6,72 | 4,80 | 3,20 | |
| DSR / FE.DSR M 22 UP | 120 | 6,00 | 12,00 | 4,50 | 9,00 | 6,30 | 4,50 | 4,50 | 9,45 | 6,75 | 4,50 | |
| DSR / OS.DSR M 24 UP | 160 | 6,50 | 13,00 | 5,50 | 11,00 | 7,70 | 5,50 | 5,50 | 11,55 | 8,25 | 5,50 | |
| DSR M 27 UP | 200 | 6,50 | 13,00 | 6,00 | 12,00 | 8,40 | 6,00 | 6,00 | 12,60 | 9,00 | 6,00 | |
| DSR / OS.DSR M 30 6t3 UP | 250 | 6,50 | 13,00 | 6,30 | 12,60 | 8,82 | 6,30 | 6,30 | 13,23 | 9,45 | 6,30 | |
| DSR M 30 8t UP | 250 | 9,00 | 18,00 | 8,00 | 16,00 | 11,20 | 8,00 | 8,00 | 16,80 | 12,00 | 8,00 | |
| DSR M 36 UP | 320 | 10,00 | 20,00 | 8,50 | 17,00 | 11,90 | 8,50 | 8,50 | 17,85 | 12,75 | 8,50 | |
| DSR M 42 UP | 400 | 10,00 | 20,00 | 9,00 | 18,00 | 12,60 | 9,00 | 9,00 | 18,90 | 13,50 | 9,00 | |

max. load in t

4:1

| UNC THREADS | | Torque (ft-lb) | | | | | | | | | | |
|--------------------------------|------------------------|----------------|-----------------|--------|--------|--------|----------|------------|----------|------------|------------|--|
| Number of rings | Lifting angle β | | 1 | 2 | 1 | 2 | 2 | Asymmetric | 3 > 4 | Asymmetric | | |
| | Loading angle α | | 0° | 0° | 90° | 90° | 0° → 45° | 45° → 60° | 0° → 45° | 45° → 60° | Asymmetric | |
| DSR / FE.DSR U 025 UP | 3 | 900 | 1,800 | 450 | 900 | 630 | 450 | 450 | 945 | 675 | 450 | |
| DSR / FE.DSR U 516 UP | 5 | 2,200 | 4,400 | 1,200 | 2,400 | 1,680 | 1,200 | 1,200 | 2,520 | 1,800 | 1,200 | |
| DSR / FE.DSR / OS.DSR U 038 UP | 8 | 3,200 | 6,400 | 1,600 | 3,200 | 2,240 | 1,600 | 1,600 | 3,360 | 2,400 | 1,600 | |
| DSR / FE.DSR / OS.DSR U 050 UP | 12 | 3,400 | 6,800 | 2,800 | 5,600 | 3,920 | 2,800 | 2,800 | 5,880 | 4,200 | 2,800 | |
| DSR / FE.DSR / OS.DSR U 058 UP | 40 | 5,900 / 6,200 | 11,800 / 12,400 | 4,900 | 9,800 | 6,860 | 4,900 | 4,900 | 10,290 | 7,350 | 4,900 | |
| DSR / FE.DSR / OS.DSR U 075 UP | 80 | 6,200 | 12,400 | 5,250 | 10,500 | 7,350 | 5,250 | 5,250 | 11,025 | 7,875 | 5,250 | |
| DSR / FE.DSR U 078 UP | 90 | 13,500 | 27,000 | 9,800 | 19,600 | 13,720 | 9,800 | 9,800 | 20,580 | 14,700 | 9,800 | |
| DSR / OS.DSR U 100 UP | 125 | 13,500 | 27,000 | 12,500 | 25,000 | 17,500 | 12,500 | 12,500 | 26,250 | 18,750 | 12,500 | |
| DSR U 118 UP | 160 | 13,500 | 27,000 | 13,000 | 26,000 | 18,200 | 13,000 | 13,000 | 27,300 | 19,500 | 13,000 | |
| DSR / OS.DSR U 125 UP | 200 | 13,500 | 27,000 | 13,500 | 27,000 | 18,900 | 13,500 | 13,500 | 28,350 | 20,250 | 13,500 | |

max. load in lbs

DSR / FE.DSR / OS.DSR



LOAD ANGLE CHART

α max : 90° / β max : 60°

L : Load

5:1

| METRIC THREADS | | Torque (Nm) | | | | | | | | | | |
|-------------------------------|-----------------------|-------------|------|-------|------|-------|----------|-----------|------------|----------|-----------|------------|
| Number of rings | Lifting angle β | | 1 | 2 | 1 | 2 | 2 | 2 | Asymmetric | 3 → 4 | 3 → 4 | Asymmetric |
| Loading angle α | | | 0° | 0° | 90° | 90° | 0° → 45° | 45° → 60° | | 0° → 45° | 45° → 60° | |
| DSR M 5 UP | 3 | | 0,20 | 0,40 | 0,07 | 0,14 | 0,10 | 0,07 | 0,07 | 0,15 | 0,11 | 0,07 |
| DSR M 6 UP | 4 | | 0,30 | 0,60 | 0,15 | 0,30 | 0,21 | 0,15 | 0,15 | 0,32 | 0,23 | 0,15 |
| DSR / FE.DSR M 8 UP | 6 | | 0,80 | 1,60 | 0,40 | 0,80 | 0,56 | 0,40 | 0,40 | 0,84 | 0,60 | 0,40 |
| DSR / FE.DSR / OS.DSR M 10 UP | 10 | | 1,30 | 2,60 | 0,70 | 1,40 | 0,98 | 0,70 | 0,70 | 1,47 | 1,05 | 0,70 |
| DSR / FE.DSR / OS.DSR M 12 UP | 15 | | 1,50 | 3,00 | 1,05 | 2,10 | 1,47 | 1,05 | 1,05 | 2,21 | 1,58 | 1,05 |
| DSR / FE.DSR M 14 UP | 30 | | 2,50 | 5,00 | 1,40 | 2,80 | 1,96 | 1,40 | 1,40 | 2,94 | 2,10 | 1,40 |
| DSR / FE.DSR / OS.DSR M 16 UP | 50 | | 2,70 | 5,40 | 2,00 | 4,00 | 2,80 | 2,00 | 2,00 | 4,20 | 3,00 | 2,00 |
| DSR / FE.DSR M 18 UP | 70 | | 2,50 | 5,00 | 2,30 | 4,60 | 3,22 | 2,30 | 2,30 | 4,83 | 3,45 | 2,30 |
| DSR / FE.DSR M 20 2t5 UP | 100 | | 2,80 | 5,60 | 2,50 | 5,00 | 3,50 | 2,50 | 2,50 | 5,25 | 3,75 | 2,50 |
| DSR / OS.DSR M 20 3t2 UP | 100 | | 3,20 | 6,40 | 2,90 | 5,80 | 4,06 | 2,90 | 2,90 | 6,09 | 4,35 | 2,90 |
| DSR / FE.DSR M 22 UP | 120 | | 5,50 | 11,00 | 3,50 | 7,00 | 4,90 | 3,50 | 3,50 | 7,35 | 5,25 | 3,50 |
| DSR / OS.DSR M 24 UP | 160 | | 6,00 | 12,00 | 4,40 | 8,80 | 6,16 | 4,40 | 4,40 | 9,24 | 6,60 | 4,40 |
| DSR M 27 UP | 200 | | 6,00 | 12,00 | 5,70 | 11,40 | 7,98 | 5,70 | 5,70 | 11,97 | 8,55 | 5,70 |
| DSR / OS.DSR M 30 6t3 UP | 250 | | 6,30 | 12,60 | 6,00 | 12,00 | 8,40 | 6,00 | 6,00 | 12,60 | 9,00 | 6,00 |
| DSR M 30 8t UP | 250 | | 9,00 | 18,00 | 6,70 | 13,40 | 9,38 | 6,70 | 6,70 | 14,07 | 10,05 | 6,70 |
| DSR M 36 UP | 320 | | 9,00 | 18,00 | 8,00 | 16,00 | 11,20 | 8,00 | 8,00 | 16,80 | 12,00 | 8,00 |
| DSR M 42 UP | 400 | | 9,50 | 19,00 | 8,50 | 17,00 | 11,90 | 8,50 | 8,50 | 17,85 | 12,75 | 8,50 |

max. load in t

5:1

| UNC THREADS | | Torque (ft-lb) | | | | | | | | | | |
|--------------------------------|-----------------------|----------------|--------|--------|--------|--------|----------|-----------|------------|----------|-----------|------------|
| Number of rings | Lifting angle β | | 1 | 2 | 1 | 2 | 2 | 2 | Asymmetric | 3 → 4 | 3 → 4 | Asymmetric |
| Loading angle α | | | 0° | 0° | 90° | 90° | 0° → 45° | 45° → 60° | | 0° → 45° | 45° → 60° | |
| DSR / FE.DSR U 025 UP | 3 | | 650 | 1,300 | 330 | 660 | 462 | 330 | 330 | 693 | 495 | 330 |
| DSR / FE.DSR U 516 UP | 5 | | 1,800 | 3,600 | 1,000 | 2,000 | 1,400 | 1,000 | 1,000 | 2,100 | 1,500 | 1,000 |
| DSR / FE.DSR / OS.DSR U 038 UP | 8 | | 2,500 | 5,000 | 1,300 | 2,600 | 1,820 | 1,300 | 1,300 | 2,730 | 1,950 | 1,300 |
| DSR / FE.DSR / OS.DSR U 050 UP | 12 | | 3,000 | 6,000 | 2,400 | 4,800 | 3,360 | 2,400 | 2,400 | 5,040 | 3,600 | 2,400 |
| DSR / FE.DSR / OS.DSR U 058 UP | 40 | | 5,900 | 11,800 | 3,900 | 7,800 | 5,460 | 3,900 | 3,900 | 8,190 | 5,850 | 3,900 |
| DSR / FE.DSR / OS.DSR U 075 UP | 80 | | 5,900 | 11,800 | 5,250 | 10,500 | 7,350 | 5,250 | 5,250 | 11,025 | 7,875 | 5,250 |
| DSR / FE.DSR U 078 UP | 90 | | 13,500 | 27,000 | 7,900 | 15,800 | 11,060 | 7,900 | 7,900 | 16,590 | 11,850 | 7,900 |
| DSR / OS.DSR U 100 UP | 125 | | 13,500 | 27,000 | 11,200 | 22,400 | 15,680 | 11,200 | 11,200 | 23,520 | 16,800 | 11,200 |
| DSR U 118 UP | 160 | | 13,500 | 27,000 | 11,500 | 23,000 | 16,100 | 11,500 | 11,500 | 24,150 | 17,250 | 11,500 |
| DSR / OS.DSR U 125 UP | 200 | | 13,500 | 27,000 | 13,500 | 27,000 | 18,900 | 13,500 | 13,500 | 28,350 | 20,250 | 13,500 |

max. load in lbs