

# DSS / FE.DSS / OS.DSS



## LOAD ANGLE CHART

$\alpha$  max : 90° /  $\beta$  max : 60°  
L : Load

4:1

METRIC THREADS		Torque (Nm)											
Number of rings	Lifting angle $\beta$		1	2	1	2	0° → 45°	45° → 60°	Asymmetric	0° → 45°	45° → 60°	Asymmetric	
	Loading angle $\alpha$		0°	0°	90°	90°	0° → 45°	45° → 60°		0° → 45°	45° → 60°		
DSS / FE.DSS / OS.DSS M 24 UP	160	9,00	18,00	5,50	11,00	7,70	5,50	5,50	5,50	11,55	8,25	5,50	
FE.DSS M 27 UP	200	10,00	20,00	6,50	13,00	9,10	6,50	6,50	6,50	13,65	9,75	6,50	
DSS / FE.DSS / OS.DSS M 30 UP	250	14,00 / 12,00	28,00 / 24,00	8,50	17,00	11,90	8,50	8,50	8,50	17,85	12,75	8,50	
DSS / FE.DSS M 33 UP	250	14,50	29,00	10,50	21,00	14,70	10,50	10,50	10,50	22,05	15,75	10,50	
DSS / FE.DSS / OS.DSS M 36 UP	320	15,00	30,00	12,00	24,00	16,80	12,00	12,00	12,00	25,20	18,00	12,00	
DSS M 36X3 UP	320	15,00	30,00	12,00	24,00	16,80	12,00	12,00	12,00	25,20	18,00	12,00	
DSS / FE.DSS M 39 UP	320	17,00	34,00	14,00	28,00	19,60	14,00	14,00	14,00	29,40	21,00	14,00	
DSS / FE.DSS / OS.DSS M 42 UP	400	15,50 / 19,00	31,00 / 38,00	15,00	30,00	21,00	15,00	15,00	15,00	31,50	22,50	15,00	
DSS M 42x3 UP	400	15,50	31,00	15,00	30,00	21,00	15,00	15,00	15,00	31,50	22,50	15,00	
DSS / FE.DSS M 45 UP	400	15,00	30,00	16,00	32,00	22,40	16,00	16,00	16,00	33,60	24,00	16,00	
DSS / FE.DSS M 48 UP	600	22,00	44,00	20,00	40,00	28,00	20,00	20,00	20,00	42,00	30,00	20,00	
DSS M 48x3 UP	600	22,00	44,00	20,00	40,00	28,00	20,00	20,00	20,00	42,00	30,00	20,00	
DSS M 48x4 UP	600	22,00	44,00	20,00	40,00	28,00	20,00	20,00	20,00	42,00	30,00	20,00	
DSS / FE.DSS M 52 UP	600	23,00	46,00	21,00	42,00	29,40	21,00	21,00	21,00	44,10	31,50	21,00	
DSS M 56 UP	600	25,00	50,00	25,00	50,00	35,00	25,00	25,00	25,00	52,50	37,50	25,00	
DSS M 56x4 UP	600	25,00	50,00	25,00	50,00	35,00	25,00	25,00	25,00	52,50	37,50	25,00	
DSS M 64 UP	600	32,10	64,20	32,10	64,20	44,94	32,10	32,10	32,10	67,41	48,15	32,10	
DSS M 64x4 UP	600	32,10	64,20	32,10	64,20	44,94	32,10	32,10	32,10	67,41	48,15	32,10	
DSS M 72 UP	600	25,00	50,00	25,00	50,00	35,00	25,00	25,00	25,00	52,50	37,50	25,00	
DSS M 72x4 UP	600	25,00	50,00	25,00	50,00	35,00	25,00	25,00	25,00	52,50	37,50	25,00	
DSS M 80 UP	600	32,10	64,20	32,10	64,20	44,94	32,10	32,10	32,10	67,41	48,15	32,10	
DSS M 90 UP	600	32,10	64,20	32,10	64,20	44,94	32,10	32,10	32,10	67,41	48,15	32,10	
DSS M 100 UP	600	32,10	64,20	32,10	64,20	44,94	32,10	32,10	32,10	67,41	48,15	32,10	

max. load in t

4:1

UNC THREADS		Torque (ft-lb)											
Number of rings	Lifting angle $\beta$		1	2	1	2	0° → 45°	45° → 60°	Asymmetric	0° → 45°	45° → 60°	Asymmetric	
	Loading angle $\alpha$		0°	0°	90°	90°	0° → 45°	45° → 60°		0° → 45°	45° → 60°		
DSS / FE.DSS / OS.DSS U 100 UP	125	19,000	38,000	13,000	26,000	18,200	13,000	13,000	13,000	27,300	19,500	13,000	
DSS / FE.DSS / OS.DSS U 125 UP	200	30,000	60,000	19,000	38,000	26,600	19,000	19,000	19,000	39,900	28,500	19,000	
DSS / FE.DSS U 138 UP	240	32,000	64,000	22,000	44,000	30,800	22,000	22,000	22,000	46,200	33,000	22,000	
DSS / FE.DSS / OS.DSS U 150 UP	240	33,000	66,000	27,000	54,000	37,800	27,000	27,000	27,000	56,700	40,500	27,000	
DSS / OS.DSS U 175 UP	300	33,000	66,000	33,000	66,000	46,200	33,000	33,000	33,000	69,300	49,500	33,000	
DSS / FE.DSS U 200 UP	450	50,000	100,000	50,000	100,000	70,000	50,000	50,000	50,000	105,000	75,000	50,000	
DSS U 250 UP	450	55,000	110,000	55,000	110,000	77,000	55,000	55,000	55,000	115,500	82,500	55,000	

max. load in lbs

# DSS / FE.DSS / OS.DSS



## LOAD ANGLE CHART

$\alpha$  max : 90° /  $\beta$  max : 60°  
L : Load

5:1

METRIC THREADS		Torque (Nm)										
Number of rings	Lifting angle $\beta$		1	2	1	2	2	Asymmetric	3 → 4	Asymmetric		
Loading angle $\alpha$			0°	0°	90°	90°	0° → 45°	45° → 60°	0° → 45°	45° → 60°	Asymmetric	
DSS / FE.DSS / OS.DSS M 24 UP	160	9,00	18,00	4,50	9,00	6,30	4,50	4,50	9,45	6,75	4,50	
FE.DSS M 27 UP	200	10,00	20,00	5,20	10,40	7,28	5,20	5,20	10,92	7,80	5,20	
DSS / FE.DSS / OS.DSS M 30 UP	250	14,00 / 12,00	28,00 / 24,00	7,70 / 7,50	15,40 / 15,00	10,78 / 10,50	7,70 / 7,50	7,70 / 7,50	16,17 / 15,75	11,55 / 11,25	7,70 / 7,50	
DSS / FE.DSS M 33 UP	250	14,50	29,00	8,50 / 8,00	17,00 / 16,00	11,90 / 11,20	8,50 / 8,00	8,50 / 8,00	17,85 / 16,80	12,75 / 12,00	8,50 / 8,00	
DSS / FE.DSS / OS.DSS M 36 UP	320	15,00	30,00	11,00 / 10,00	22,00 / 20,00	15,40 / 14,00	11,00 / 10,00	11,00 / 10,00	23,10 / 21,00	16,50 / 15,00	11,00 / 10,00	
DSS M 36X3 UP	320	15,00	30,00	11,00	22,00	15,40	11,00	11,00	23,10	16,50	11,00	
DSS / FE.DSS M 39 UP	320	15,00	30,00	12,00	24,00	16,80	12,00	12,00	25,20	18,00	12,00	
DSS / FE.DSS / OS.DSS M 42 UP	400	15,00	30,00	13,00	26,00	18,20	13,00	13,00	27,30	19,50	13,00	
DSS M 42x3 UP	400	15,00	30,00	13,00	26,00	18,20	13,00	13,00	27,30	19,50	13,00	
DSS / FE.DSS M 45 UP	400	15,00	30,00	14,50	29,00	20,30	14,50	14,50	30,45	21,75	14,50	
DSS / FE.DSS M 48 UP	600	22,00	44,00	17,00	34,00	23,80	17,00	17,00	35,70	25,50	17,00	
DSS M 48x3 UP	600	22,00	44,00	17,00	34,00	23,80	17,00	17,00	35,70	25,50	17,00	
DSS M 48x4 UP	600	22,00	44,00	17,00	34,00	23,80	17,00	17,00	35,70	25,50	17,00	
DSS / FE.DSS M 52 UP	600	23,00	46,00	19,00	38,00	26,60	19,00	19,00	39,90	28,50	19,00	
DSS M 56 UP	600	25,00	50,00	22,00	44,00	30,80	22,00	22,00	46,20	33,00	22,00	
DSS M 56x4 UP	600	25,00	50,00	22,00	44,00	30,80	22,00	22,00	46,20	33,00	22,00	
DSS M 64 UP	600	25,00	50,00	25,00	50,00	35,00	25,00	25,00	52,50	37,50	25,00	
DSS M 64x4 UP	600	25,00	50,00	25,00	50,00	35,00	25,00	25,00	52,50	37,50	25,00	
DSS M 72 UP	600	25,00	50,00	22,00	44,00	30,80	22,00	22,00	46,20	33,00	22,00	
DSS M 72x4 UP	600	25,00	50,00	22,00	44,00	30,80	22,00	22,00	46,20	33,00	22,00	
DSS M 80 UP	600	25,00	50,00	25,00	50,00	35,00	25,00	25,00	52,50	37,50	25,00	
DSS M 90 UP	600	25,00	50,00	25,00	50,00	35,00	25,00	25,00	52,50	37,50	25,00	
DSS M 100 UP	600	25,00	50,00	25,00	50,00	35,00	25,00	25,00	52,50	37,50	25,00	

max. load in t

5:1

UNC THREADS		Torque (ft-lb)										
Number of rings	Lifting angle $\beta$		1	2	1	2	2	Asymmetric	3 → 4	Asymmetric		
Loading angle $\alpha$			0°	0°	90°	90°	0° → 45°	45° → 60°	0° → 45°	45° → 60°	Asymmetric	
DSS / FE.DSS / OS.DSS U 100 UP	125	19,000	38,000	10,000	20,000	14,000	10,000	10,000	21,000	15,000	10,000	
DSS / FE.DSS / OS.DSS U 125 UP	200	30,000	60,000	15,000	30,000	21,000	15,000	15,000	31,500	22,500	15,000	
DSS / FE.DSS U 138 UP	240	31,000	62,000	21,000	42,000	29,400	21,000	21,000	44,100	31,500	21,000	
DSS / FE.DSS / OS.DSS U 150 UP	240	31,000	62,000	22,000	44,000	30,800	22,000	22,000	46,200	33,000	22,000	
DSS / OS.DSS U 175 UP	300	33,000	66,000	27,000	54,000	37,800	27,000	27,000	56,700	40,500	27,000	
DSS / FE.DSS U 200 UP	450	50,000	100,000	38,000	76,000	53,200	38,000	38,000	79,800	57,000	38,000	
DSS U 250 UP	450	55,000	110,000	48,500	97,000	67,900	48,500	48,500	101,850	72,750	48,500	

max. load in lbs