

DSS / FE.DSS



LOAD ANGLE CHART

β max : 60°
L : Load

5:1

MTRIC THREADS	1		2		1		2		2		3 → 4	
	Number of rings	Lifting angle β	0°	90°	0°	90°	0° → 45°	46° → 60°	Asymmetric	0° → 45°	46° → 60°	Asymmetric
DSS M 24 UP / FE.DSS M 24 UP			9,00	4,50	18,00	9,00	6,30	4,50	4,50	9,45	4,50	4,50
FE.DSS M 27 UP			10,00	5,20	20,00	10,40	7,28	5,20	5,20	10,92	5,20	5,20
DSS M 30 UP / FE.DSS M 30 UP			14,00/12,00	7,70 / 7,50	28,00 / 24,00	15,40 / 15,00	10,78 / 10,50	7,70 / 7,50	7,70 / 7,50	16,17 / 15,75	7,70 / 7,50	7,70 / 7,50
DSS M 33 UP / FE.DSS M 33 UP			14,50	8,50 / 8,00	29,00	17,00 / 16,00	11,90 / 11,20	8,50 / 8,00	8,50 / 8,00	17,85 / 16,80	8,50 / 8,00	8,50 / 8,00
DSS M 36 UP / FE.DSS M 36 UP			15,00	11,00 / 10,00	30,00	22,00 / 20,00	15,40 / 14,00	11,00 / 10,00	11,00 / 10,00	23,10 / 21,00	11,00 / 10,00	11,00 / 10,00
DSS M 36X3 UP			3,20	11,00	30,00	22,00	15,40	11,00	11,00	23,10	11,00	11,00
DSS M 39 UP / FE.DSS M 39 UP			15,00	12,00	30,00	24,00	16,80	12,00	12,00	25,20	12,00	12,00
DSS M 42 UP / FE.DSS M 42 UP			15,00	13,00	30,00	26,00	18,20	13,00	13,00	27,30	13,00	13,00
DSS M 42X3 UP			15,00	13,00	30,00	26,00	18,20	13,00	13,00	27,30	13,00	13,00
DSS M 45 UP / FE.DSS M 45 UP			15,00	14,50	30,00	29,00	20,30	14,50	14,50	30,45	14,50	14,50
DSS M 48 UP / FE.DSS M 48 UP			22,00	17,00	44,00	34,00	23,80	17,00	17,00	35,70	17,00	17,00
DSS M 48X3 UP			6,00	17,00	44,00	34,00	23,80	17,00	17,00	35,70	17,00	17,00
DSS M 48X4 UP			22,00	17,00	44,00	34,00	23,80	17,00	17,00	35,70	17,00	17,00
DSS M 52 UP / FE.DSS M 52 UP			23,00	19,00	46,00	38,00	26,60	19,00	19,00	39,90	19,00	19,00
DSS M 56 UP			25,00	22,00	50,00	44,00	30,80	22,00	22,00	46,20	22,00	22,00
DSS M 56X4 UP			6,00	22,00	50,00	44,00	30,80	22,00	22,00	46,20	22,00	22,00
DSS M 64 UP			25,00	25,00	50,00	50,00	35,00	25,00	25,00	52,50	25,00	25,00
DSS M 64X4 UP			6,00	25,00	50,00	50,00	35,00	25,00	25,00	52,50	25,00	25,00
DSS M 72 UP			25,00	22,00	50,00	44,00	30,80	22,00	22,00	46,20	22,00	22,00
DSS M 72X4 UP			6,00	22,00	50,00	44,00	30,80	22,00	22,00	46,20	22,00	22,00
DSS M 80 UP			25,00	25,00	50,00	50,00	35,00	25,00	25,00	52,50	25,00	25,00
DSS M 90 UP			25,00	25,00	50,00	50,00	35,00	25,00	25,00	52,50	25,00	25,00
DSS M 100 UP			25,00	25,00	50,00	50,00	35,00	25,00	25,00	52,50	25,00	25,00

max. load in t

5:1

UNC THREADS	1		2		1		2		2		3 → 4	
	Number of rings	Lifting angle β	0°	90°	0°	90°	0° → 45°	46° → 60°	Asymmetric	0° → 45°	46° → 60°	Asymmetric
DSS U 100 UP / FE.DSS U 100 UP			19,000	10,000	38,000	20,000	14,000	10,000	10,000	21,000	10,000	10,000
DSS U 125 UP / FE.DSS U 125 UP			30,000	15,000	60,000	30,000	21,000	15,000	15,000	31,500	15,000	15,000
DSS U 138 UP / FE.DSS U 138 UP			31,000	21,000	62,000	42,000	29,400	21,000	21,000	44,100	21,000	21,000
DSS U 150 UP / FE.DSS U 150 UP			31,000	22,000	62,000	44,000	30,800	22,000	22,000	46,200	22,000	22,000
DSS U 175 UP			33,000	27,000	66,000	54,000	37,800	27,000	27,000	56,700	27,000	27,000
DSS U 200 UP / FE.DSS U 200 UP			50,000	38,000	100,000	76,000	53,200	38,000	38,000	79,800	38,000	38,000
DSS U 250 UP			55,000	48,500	110,000	97,000	67,900	48,500	48,500	101,850	48,500	48,500

max. load in lbs

MEGA.DSS



LOAD ANGLE CHART

β max : 60°
L : Load

4:1

METRIC THREADS

Number of rings Lifting angle β	1		2		2		2		2		3 → 4	
	0°	90°	0°	90°	0° → 45°	46° → 60°	Asymmetric	0° → 45°	46° → 60°	Asymmetric	0° → 45°	46° → 60°
MEGA.DSS M 64 UP	33,00	33,00	66,00	66,00	46,20	33,00	33,00	69,30	33,00	33,00	69,30	33,00
MEGA.DSS M 72 UP	35,00	35,00	70,00	70,00	49,00	35,00	35,00	73,50	35,00	35,00	73,50	35,00
MEGA.DSS M 72x4 UP	35,00	35,00	70,00	70,00	49,00	35,00	35,00	73,50	35,00	35,00	73,50	35,00
MEGA.DSS M 80 UP	40,00	40,00	80,00	80,00	56,00	40,00	40,00	84,00	40,00	40,00	84,00	40,00
MEGA.DSS M 90 UP	45,00	45,00	90,00	90,00	63,00	45,00	45,00	94,50	45,00	45,00	94,50	45,00
MEGA.DSS M 100 UP	60,00	60,00	120,00	120,00	84,00	60,00	60,00	126,00	60,00	60,00	126,00	60,00

max. load in t



4:1

UNC THREADS

Number of rings Lifting angle β	1		2		2		2		2		3 → 4	
	0°	90°	0°	90°	0° → 45°	46° → 60°	Asymmetric	0° → 45°	46° → 60°	Asymmetric	0° → 45°	46° → 60°
MEGA.DSS U 275 UP	75,000	75,000	150,000	150,000	105,000	75,000	75,000	157,500	75,000	75,000	157,500	75,000
MEGA.DSS U 300 UP	80,000	80,000	160,000	160,000	112,000	80,000	80,000	168,000	80,000	80,000	168,000	80,000
MEGA.DSS U 325 UP	90,000	90,000	180,000	180,000	126,000	90,000	90,000	189,000	90,000	90,000	189,000	90,000
MEGA.DSS U 350 UP	95,000	95,000	190,000	190,000	133,000	95,000	95,000	199,500	95,000	95,000	199,500	95,000
MEGA.DSS U 375 UP	100,000	100,000	200,000	200,000	140,000	100,000	100,000	210,000	100,000	100,000	210,000	100,000
MEGA.DSS U 400 UP	110,000	110,000	220,000	220,000	154,000	110,000	110,000	231,000	110,000	110,000	231,000	110,000

max. load in lbs



MEGA.DSS / GIGA.DSS



LOAD ANGLE CHART

β max : 60°
L : Load

5:1

METRIC THREADS

Number of rings	1		2		2		2		2		3 → 4	
	0°	90°	0°	90°	0° → 45°	46° → 60°	Asymmetric	0° → 45°	46° → 60°	Asymmetric	0° → 45°	46° → 60°
Lifting angle β												
MEGA.DSS M 64 UP	26,00	26,00	52,00	52,00	36,40	26,00	26,00	54,60	26,00	26,00	54,60	26,00
MEGA.DSS M 72 UP	28,00	28,00	56,00	56,00	39,20	28,00	28,00	58,80	28,00	28,00	58,80	28,00
MEGA.DSS M 72x4 UP	28,00	28,00	56,00	56,00	39,20	28,00	28,00	58,80	28,00	28,00	58,80	28,00
MEGA.DSS M 80 UP	32,00	32,00	64,00	64,00	44,80	32,00	32,00	67,20	32,00	32,00	67,20	32,00
MEGA.DSS M 90 UP	36,00	36,00	72,00	72,00	50,40	36,00	36,00	75,60	36,00	36,00	75,60	36,00
MEGA.DSS M 100 UP	48,00	48,00	96,00	96,00	67,20	48,00	48,00	100,80	48,00	48,00	100,80	48,00
GIGA.DSS M 150 UP	125,00	125,00	250,00	250,00	175,00	125,00	125,00	262,50	125,00	125,00	262,50	125,00
GIGA.DSS+Q M 150 UP	125,00	125,00	250,00	250,00	175,00	125,00	125,00	262,50	125,00	125,00	262,50	125,00

max. load in t

5:1

UNC THREADS

Number of rings	1		2		2		2		2		3 → 4	
	0°	90°	0°	90°	0° → 45°	46° → 60°	Asymmetric	0° → 45°	46° → 60°	Asymmetric	0° → 45°	46° → 60°
Lifting angle β												
MEGA.DSS U 275 UP	60,000	60,000	120,000	120,000	84,000	60,000	60,000	126,000	60,000	60,000	126,000	60,000
MEGA.DSS U 300 UP	64,000	64,000	128,000	128,000	89,600	64,000	64,000	134,400	64,000	64,000	134,400	64,000
MEGA.DSS U 325 UP	72,000	72,000	144,000	144,000	100,800	72,000	72,000	151,200	72,000	72,000	151,200	72,000
MEGA.DSS U 350 UP	76,000	76,000	152,000	152,000	106,400	76,000	76,000	159,600	76,000	76,000	159,600	76,000
MEGA.DSS U 375 UP	80,000	80,000	160,000	160,000	112,000	80,000	80,000	168,000	80,000	80,000	168,000	80,000
MEGA.DSS U 400 UP	88,000	88,000	176,000	176,000	123,200	88,000	88,000	184,800	88,000	88,000	184,800	88,000

Max. load in lbs

SEB / FE.SEB



LOAD ANGLE CHART

β max : 60°
L : Load

4:1

METRIC THREADS

Number of rings	1		2		1		2		2		3 → 4		
	0°		0°		90°		90°		90°		Asymmetric		
	0°	90°	0°	90°	0°	90°	0° → 45°	46° → 60°	Asymmetric	0° → 45°	46° → 60°	Asymmetric	
SEB M 8 UP / FE.SEB M 8 UP	6	0,80	1,60	0,50	1,00	0,50	0,70	0,50	0,50	1,05	0,50	0,50	
SEB M 10 UP / FE.SEB M 10 UP	10	1,60	3,20	0,70	1,40	0,70	0,98	0,70	0,70	1,47	0,70	0,70	
SEB M 12 UP / FE.SEB M 12 UP	15	1,90	3,80	0,90	1,80	0,90	1,26	0,90	0,90	1,89	0,90	0,90	
SEB M 16 UP / FE.SEB M 16 UP	50	3,20	6,40	1,80	3,60	1,80	2,52	1,80	1,80	3,78	1,80	1,80	
SEB M 20 UP / FE.SEB M 20 UP	100	6,50	13,00	2,70	5,40	2,70	3,78	2,70	2,70	5,67	2,70	2,70	
SEB M 24 3t8 UP	160	8,00	16,00	3,80	7,60	3,80	5,32	3,80	3,80	7,98	3,80	3,80	
SEB M 24 4t2 UP / FE.SEB M 24 UP	160	7,00	14,00	4,20	8,40	4,20	5,88	4,20	4,20	8,82	4,20	4,20	
SEB M 30 UP / FE.SEB M 30 UP	250	10,00	20,00	6,30	12,60	6,30	8,82	6,30	6,30	13,23	6,30	6,30	
SEB M 36 UP / FE.SEB M 36 UP	320	12,00	24,00	11,00	22,00	11,00	15,40	11,00	11,00	23,10	11,00	11,00	
SEB M 42 UP	400	15,00	30,00	15,00	30,00	15,00	21,00	15,00	15,00	31,50	15,00	15,00	
SEB M 48 UP	600	18,00	36,00	16,00	32,00	16,00	22,40	16,00	16,00	33,60	16,00	16,00	

max. load in t

4:1

UNC THREADS

Number of rings	1		2		1		2		2		3 → 4		
	0°		0°		90°		90°		90°		Asymmetric		
	0°	90°	0°	90°	0° → 45°	46° → 60°	Asymmetric	0° → 45°	46° → 60°	Asymmetric			
SEB U 038 UP / FE.SEB U 038 UP	8	3,500	7,000	1,500	3,000	1,500	2,100	1,500	1,500	3,150	1,500	1,500	
SEB U 050 UP / FE.SEB U 050 UP	12	4,200	8,400	1,950	3,900	1,950	2,730	1,950	1,950	4,095	1,950	1,950	
SEB U 058 UP / FE.SEB U 058 UP	40	7,000	14,000	4,000	8,000	4,000	5,600	4,000	4,000	8,400	4,000	4,000	
SEB U 075 UP / FE.SEB U 075 UP	80	15,000	30,000	9,000	18,000	9,000	12,600	9,000	9,000	23,390	9,000	9,000	
SEB U 100 UP / FE.SEB U 100 UP	125	15,000	30,000	9,300	18,600	9,300	13,020	9,300	9,300	19,530	9,300	9,300	
SEB U 125 UP / FE.SEB U 125 UP	200	22,000	44,000	13,800	27,600	13,800	19,320	13,800	13,800	28,980	13,800	13,800	
SEB U 150 UP	240	25,000	50,000	15,000	30,000	15,000	21,000	15,000	15,000	33,600	15,000	15,000	

max. load in lbs

SEB / FE.SEB



LOAD ANGLE CHART

β max : 60°
L : Load

5:1

METRIC THREADS

Number of rings	1		2		1		2		2		3 → 4	
	0°	90°	0°	90°	0° → 45°	46° → 60°	Asymmetric	90°	0° → 45°	46° → 60°	Asymmetric	Asymmetric
SEB M 8 UP / FE.SEB M 8 UP	0,70	0,40	1,40	0,80	0,56	0,40	0,40	0,80	0,56	0,40	0,40	0,40
SEB M 10 UP / FE.SEB M 10 UP	1,20	0,50	2,40	1,00	0,70	0,50	0,50	1,00	0,70	0,50	0,50	0,50
SEB M 12 UP / FE.SEB M 12 UP	1,70	0,80	3,40	1,60	1,12	0,80	0,80	1,60	1,12	0,80	0,80	0,80
SEB M 16 UP / FE.SEB M 16 UP	3,20	1,40	6,40	2,80	1,96	1,40	1,40	2,80	1,96	1,40	1,40	1,40
SEB M 20 UP / FE.SEB M 20 UP	5,00	2,00	10,00	4,00	2,80	2,00	2,00	4,00	2,80	2,00	2,00	2,00
SEB M 24 3t8 UP	6,30	3,20	12,60	6,40	4,48	3,20	3,20	6,40	4,48	3,20	3,20	3,20
SEB M 24 4t2 UP / FE.SEB M 24 UP	7,00	3,40	14,00	6,80	4,76	3,40	3,40	6,80	4,76	3,40	3,40	3,40
SEB M 30 UP / FE.SEB M 30 UP	8,50	5,50	17,00	11,00	7,70	5,50	5,50	11,00	7,70	5,50	5,50	5,50
SEB M 36 UP / FE.SEB M 36 UP	12,00	9,00	24,00	18,00	12,60	9,00	9,00	18,00	12,60	9,00	9,00	9,00
SEB M 42 UP	12,00	12,00	24,00	24,00	16,80	12,00	12,00	24,00	16,80	12,00	12,00	12,00
SEB M 48 UP	15,00	15,00	30,00	30,00	21,00	15,00	15,00	30,00	21,00	15,00	15,00	15,00

max. load in t

5:1

UNC THREADS

Number of rings	1		2		1		2		2		3 → 4	
	0°	90°	0°	90°	0° → 45°	46° → 60°	Asymmetric	90°	0° → 45°	46° → 60°	Asymmetric	Asymmetric
SEB U 038 UP / FE.SEB U 038 UP	2,800	1,200	5,600	2,400	1,680	1,200	1,200	2,400	1,680	1,200	1,200	1,200
SEB U 050 UP / FE.SEB U 050 UP	3,800	1,800	7,600	3,600	2,520	1,800	1,800	3,600	2,520	1,800	1,800	1,800
SEB U 058 UP / FE.SEB U 058 UP	7,000	3,200	14,000	6,400	4,480	3,200	3,200	6,400	4,480	3,200	3,200	3,200
SEB U 075 UP / FE.SEB U 075 UP	12,000	4,750	24,000	9,500	6,650	4,750	4,750	9,500	6,650	4,750	4,750	4,750
SEB U 100 UP / FE.SEB U 100 UP	15,000	7,500	30,000	15,000	10,500	7,500	7,500	15,000	10,500	7,500	7,500	7,500
SEB U 125 UP / FE.SEB U 125 UP	19,000	12,200	38,000	24,400	17,080	12,200	12,200	24,400	17,080	12,200	12,200	12,200
SEB U 150 UP	25,000	20,000	50,000	40,000	28,000	20,000	20,000	40,000	28,000	20,000	20,000	20,000

max. load in lbs

SS.DSR / SS.FE.DSR

LOAD ANGLE CHART

β max : 60°
L : Load



4:1

METRIC THREADS	1		2		1		2		2		3 → 4			
	Number of rings		Lifting angle β		90°	90°	90°	90°	0° → 45°	46° → 60°	Asymmetric	0° → 45°	46° → 60°	Asymmetric
	0°	0,25	0,50	1,00	0,15	0,30	0,60	1,00	0,21	0,15	0,15	0,31	0,15	0,15
SS.DSR M 6	4	0,50	1,00	1,80	0,30	0,60	1,00	1,60	0,42	0,30	0,30	0,63	0,30	0,30
SS.DSR M 8 / SS.FE.DSR M 8	6	0,90	1,80	2,00	0,50	1,00	1,60	2,00	0,70	0,50	0,50	1,05	0,50	0,50
SS.DSR M 10 / SS.FE.DSR M 10	10	1,60	3,20	3,80	0,80	1,60	2,00	3,00	1,12	0,80	0,80	1,68	0,80	0,80
SS.DSR M 12 / SS.FE.DSR M 12	15	1,90	3,80	3,80	1,00	2,00	3,00	3,00	1,40	1,00	1,00	2,10	1,00	1,00
SS.DSR M 14 / SS.FE.DSR M 14	30	1,90	3,80	3,80	1,50	3,00	3,00	3,00	2,10	1,50	1,50	3,15	1,50	1,50
SS.DSR M 16 / SS.FE.DSR M 16	50	1,90	3,80	3,80	1,50	3,00	3,00	3,00	2,10	1,50	1,50	3,15	1,50	1,50
SS.DSR M 18 / SS.FE.DSR M 18	70	1,90	3,80	3,80	1,60	3,20	3,20	3,20	2,24	1,60	1,60	3,36	1,60	1,60
SS.DSR M 20 / SS.FE.DSR M 20	100	3,50	7,00	7,00	2,20	4,40	4,40	4,40	3,08	2,20	2,20	4,62	2,20	2,20
SS.DSR M 22 / SS.FE.DSR M 22	120	3,50	7,00	7,00	2,70	5,40	5,40	5,40	3,78	2,70	2,70	5,67	2,70	2,70
SS.DSR M 24	160	3,60	7,20	7,20	2,90	5,80	5,80	5,80	4,06	2,90	2,90	6,09	2,90	2,90
SS.DSR M 27	200	3,70	7,40	7,40	3,50	7,00	7,00	7,00	4,90	3,50	3,50	7,35	3,50	3,50
SS.DSR M 30	250													

max. load in t

4:1

UNC THREADS	1		2		1		2		2		3 → 4			
	Number of rings		Lifting angle β		90°	90°	90°	90°	0° → 45°	46° → 60°	Asymmetric	0° → 45°	46° → 60°	Asymmetric
	0°	850	1,700	2,200	500	1,000	1,300	2,000	700	500	500	1,050	500	500
SS.DSR U 025	3	1,100	2,200 <td>3,600 <td>650</td> <td>1,300</td> <td>2,000</td> <td>3,000</td> <td>910</td> <td>650</td> <td>650</td> <td>1,365</td> <td>650</td> <td>650</td> </td>	3,600 <td>650</td> <td>1,300</td> <td>2,000</td> <td>3,000</td> <td>910</td> <td>650</td> <td>650</td> <td>1,365</td> <td>650</td> <td>650</td>	650	1,300	2,000	3,000	910	650	650	1,365	650	650
SS.DSR U 516 / SS.FE.DSR U 516	5	1,800	3,600 <td>5,000 <td>1,000</td> <td>2,000</td> <td>3,000</td> <td>4,000</td> <td>1,400</td> <td>1,000</td> <td>1,000</td> <td>2,100</td> <td>1,000</td> <td>1,000</td> </td>	5,000 <td>1,000</td> <td>2,000</td> <td>3,000</td> <td>4,000</td> <td>1,400</td> <td>1,000</td> <td>1,000</td> <td>2,100</td> <td>1,000</td> <td>1,000</td>	1,000	2,000	3,000	4,000	1,400	1,000	1,000	2,100	1,000	1,000
SS.DSR U 038 / SS.FE.DSR U 038	8	2,500	5,000 <td>9,000 / 8,800 <td>1,800</td> <td>3,600</td> <td>5,400 <td>7,200</td> <td>2,520</td> <td>1,800</td> <td>1,800</td> <td>3,780</td> <td>1,800</td> <td>1,800</td> </td></td>	9,000 / 8,800 <td>1,800</td> <td>3,600</td> <td>5,400 <td>7,200</td> <td>2,520</td> <td>1,800</td> <td>1,800</td> <td>3,780</td> <td>1,800</td> <td>1,800</td> </td>	1,800	3,600	5,400 <td>7,200</td> <td>2,520</td> <td>1,800</td> <td>1,800</td> <td>3,780</td> <td>1,800</td> <td>1,800</td>	7,200	2,520	1,800	1,800	3,780	1,800	1,800
SS.DSR U 050 / SS.FE.DSR U 050	12	4,500 / 4,400 <td>9,000 / 8,800 <td>17,000 <td>3,000</td> <td>6,000</td> <td>9,000 <td>12,000</td> <td>4,200</td> <td>3,000</td> <td>3,000</td> <td>6,300</td> <td>3,000</td> <td>3,000</td> </td></td></td>	9,000 / 8,800 <td>17,000 <td>3,000</td> <td>6,000</td> <td>9,000 <td>12,000</td> <td>4,200</td> <td>3,000</td> <td>3,000</td> <td>6,300</td> <td>3,000</td> <td>3,000</td> </td></td>	17,000 <td>3,000</td> <td>6,000</td> <td>9,000 <td>12,000</td> <td>4,200</td> <td>3,000</td> <td>3,000</td> <td>6,300</td> <td>3,000</td> <td>3,000</td> </td>	3,000	6,000	9,000 <td>12,000</td> <td>4,200</td> <td>3,000</td> <td>3,000</td> <td>6,300</td> <td>3,000</td> <td>3,000</td>	12,000	4,200	3,000	3,000	6,300	3,000	3,000
SS.DSR U 058 / SS.FE.DSR U 058	40	4,500	9,000 <td>17,000 <td>3,800</td> <td>7,600</td> <td>11,400 <td>15,200</td> <td>5,320</td> <td>3,800</td> <td>3,800</td> <td>7,980</td> <td>3,800</td> <td>3,800</td> </td></td>	17,000 <td>3,800</td> <td>7,600</td> <td>11,400 <td>15,200</td> <td>5,320</td> <td>3,800</td> <td>3,800</td> <td>7,980</td> <td>3,800</td> <td>3,800</td> </td>	3,800	7,600	11,400 <td>15,200</td> <td>5,320</td> <td>3,800</td> <td>3,800</td> <td>7,980</td> <td>3,800</td> <td>3,800</td>	15,200	5,320	3,800	3,800	7,980	3,800	3,800
SS.DSR U 075 / SS.FE.DSR U 075	80	8,500	17,000 <td>34,000 <td>5,100</td> <td>10,200</td> <td>15,300 <td>20,400</td> <td>7,140</td> <td>5,100</td> <td>5,100</td> <td>10,710</td> <td>5,100</td> <td>5,100</td> </td></td>	34,000 <td>5,100</td> <td>10,200</td> <td>15,300 <td>20,400</td> <td>7,140</td> <td>5,100</td> <td>5,100</td> <td>10,710</td> <td>5,100</td> <td>5,100</td> </td>	5,100	10,200	15,300 <td>20,400</td> <td>7,140</td> <td>5,100</td> <td>5,100</td> <td>10,710</td> <td>5,100</td> <td>5,100</td>	20,400	7,140	5,100	5,100	10,710	5,100	5,100
SS.DSR U 078 / SS.FE.DSR U 078	90	8,500	17,000 <td>34,000 <td>6,000</td> <td>12,000</td> <td>18,000 <td>24,000</td> <td>8,400</td> <td>6,000</td> <td>6,000</td> <td>12,600</td> <td>6,000</td> <td>6,000</td> </td></td>	34,000 <td>6,000</td> <td>12,000</td> <td>18,000 <td>24,000</td> <td>8,400</td> <td>6,000</td> <td>6,000</td> <td>12,600</td> <td>6,000</td> <td>6,000</td> </td>	6,000	12,000	18,000 <td>24,000</td> <td>8,400</td> <td>6,000</td> <td>6,000</td> <td>12,600</td> <td>6,000</td> <td>6,000</td>	24,000	8,400	6,000	6,000	12,600	6,000	6,000
SS.DSR U 100	125	8,500	17,000 <td>34,000 <td>6,000</td> <td>12,000</td> <td>18,000 <td>24,000</td> <td>8,400</td> <td>6,000</td> <td>6,000</td> <td>12,600</td> <td>6,000</td> <td>6,000</td> </td></td>	34,000 <td>6,000</td> <td>12,000</td> <td>18,000 <td>24,000</td> <td>8,400</td> <td>6,000</td> <td>6,000</td> <td>12,600</td> <td>6,000</td> <td>6,000</td> </td>	6,000	12,000	18,000 <td>24,000</td> <td>8,400</td> <td>6,000</td> <td>6,000</td> <td>12,600</td> <td>6,000</td> <td>6,000</td>	24,000	8,400	6,000	6,000	12,600	6,000	6,000

max. load in lbs

SS.DSR / SS.FE.DSR

LOAD ANGLE CHART

β max : 60°
L : Load



5:1

METRIC THREADS	1		2		1		2		2		3 → 4						
	0°		90°		90°		0° → 45°		46° → 60°		0° → 45°		46° → 60°		Asymmetric		
	Torque (Nm)	Diagram	Torque (Nm)	Diagram	Torque (Nm)	Diagram	Torque (Nm)	Diagram	Torque (Nm)	Diagram	Torque (Nm)	Diagram	Torque (Nm)	Diagram	Torque (Nm)	Diagram	Torque (Nm)
SS.DSR M 6	4		0,20		0,10		0,20		0,14		0,10		0,21		0,10		0,10
SS.DSR M 8 / SS.FE.DSR M 8	6		0,40		0,30		0,60		0,42		0,30		0,63		0,30		0,30
SS.DSR M 10 / SS.FE.DSR M 10	10		0,70		0,50		1,00		0,70		0,50		1,05		0,50		0,50
SS.DSR M 12 / SS.FE.DSR M 12	15		0,90		0,80		1,60		1,12		0,80		1,68		0,80		0,80
SS.DSR M 14 / SS.FE.DSR M 14	30		1,20		1,00		2,00		1,40		1,00		2,10		1,00		1,00
SS.DSR M 16 / SS.FE.DSR M 16	50		1,50		1,40		2,80		1,96		1,40		2,94		1,40		1,40
SS.DSR M 18 / SS.FE.DSR M 18	70		1,50		1,40		2,80		1,96		1,40		2,94		1,40		1,40
SS.DSR M 20 / SS.FE.DSR M 20	100		1,50		1,40		2,80		1,96		1,40		2,94		1,40		1,40
SS.DSR M 22 / SS.FE.DSR M 22	120		2,80		2,20		4,40		3,08		2,20		4,62		2,20		2,20
SS.DSR M 24	160		2,80		2,70		5,40		3,78		2,70		5,67		2,70		2,70
SS.DSR M 27	200		2,90		2,80		5,60		3,92		2,80		5,88		2,80		2,80
SS.DSR M 30	250		3,00		3,00		6,00		4,20		3,00		6,30		3,00		3,00

max. load in t

5:1

UNC THREADS	1		2		1		2		2		3 → 4						
	0°		90°		90°		0° → 45°		46° → 60°		0° → 45°		46° → 60°		Asymmetric		
	Torque (ft-lb)	Diagram	Torque (ft-lb)	Diagram	Torque (ft-lb)	Diagram	Torque (ft-lb)	Diagram	Torque (ft-lb)	Diagram	Torque (ft-lb)	Diagram	Torque (ft-lb)	Diagram	Torque (ft-lb)	Diagram	Torque (ft-lb)
SS.DSR U 025	3		650		400		800		560		400		840		400		400
SS.DSR U 516 / SS.FE.DSR U 516	5		900		600		1,200		840		600		1,260		600		600
SS.DSR U 038 / SS.FE.DSR U 038	8		1,400		1,000		2,000		1,400		1,000		2,100		1,000		1,000
SS.DSR U 050 / SS.FE.DSR U 050	12		2,000		1,800		3,600		2,520		1,800		3,780		1,800		1,800
SS.DSR U 058 / SS.FE.DSR U 058	40		3,500		2,500		5,000		3,500		2,500		5,250		2,500		2,500
SS.DSR U 075 / SS.FE.DSR U 075	80		3,500		3,600		7,200		5,040		3,600		7,560		3,600		3,600
SS.DSR U 078 / SS.FE.DSR U 078	90		7,000		5,000		10,000		7,000		5,000		10,500		5,000		5,000
SS.DSR U 100	125		7,000		6,000		12,000		8,400		6,000		12,600		6,000		6,000

max. load in lbs

SS.DSS / SS.FE.DSS



LOAD ANGLE CHART

β max : 60°
L : Load

4:1

METRIC THREADS	1		2		1		2		2		3 → 4					
	Number of rings		Lifting angle β		90°		90°		0° → 45°		46° → 60°					
	0°	2,70°	5,40°	7,00°	2,70*	5,40*	7,00*	7,00*	3,78*	4,90*	2,70*	5,67*	2,70*	5,67*	2,70*	5,67*
SS.DSS M 24 / SS.FE.DSS M 24	160	2,70*	5,40*	7,00*	2,70*	5,40*	7,00*	7,00*	3,78*	4,90*	2,70*	5,67*	2,70*	5,67*	2,70*	5,67*
SS.DSS M 30 / SS.FE.DSS M 30	250	3,50*	7,00*	7,00*	3,50*	7,00*	7,00*	7,00*	4,90*	4,90*	3,50*	7,35*	3,50*	7,35*	3,50*	7,35*
SS.DSS M 33 / SS.FE.DSS M 33	250	3,50*	7,00*	7,00*	3,50*	7,00*	7,00*	7,00*	4,90*	4,90*	3,50*	7,35*	3,50*	7,35*	3,50*	7,35*
SS.DSS M 36 / SS.FE.DSS M 36	320	5,00*	10,00*	10,00*	5,00*	10,00*	10,00*	10,00*	7,00*	7,00*	5,00*	10,50*	5,00*	10,50*	5,00*	10,50*
SS.DSS M 36x3	320	5,00*	10,00*	10,00*	5,00*	10,00*	10,00*	10,00*	7,00*	7,00*	5,00*	10,50*	5,00*	10,50*	5,00*	10,50*
SS.DSS M 39	320	5,00*	10,00*	10,00*	5,00*	10,00*	10,00*	10,00*	7,00*	7,00*	5,00*	10,50*	5,00*	10,50*	5,00*	10,50*
SS.DSS M 42	400	6,00*	12,00*	12,00*	6,00*	12,00*	12,00*	12,00*	8,40*	8,40*	6,00*	12,60*	6,00*	12,60*	6,00*	12,60*
SS.DSS M 42x3	400	6,00*	12,00*	12,00*	6,00*	12,00*	12,00*	12,00*	8,40*	8,40*	6,00*	12,60*	6,00*	12,60*	6,00*	12,60*
SS.DSS M 45	400	6,00	12,00	12,00	6,00	12,00	12,00	12,00	8,40	8,40	6,00	12,60	6,00	12,60	6,00	12,60
SS.DSS M 48	600	6,40	12,80	12,80	6,40	12,80	12,80	12,80	8,96	8,96	6,40	13,44	6,40	13,44	6,40	13,44
SS.DSS M 48x3	600	6,40	12,80	12,80	6,40	12,80	12,80	12,80	8,96	8,96	6,40	13,44	6,40	13,44	6,40	13,44
SS.DSS M 48x4	600	6,40	12,80	12,80	6,40	12,80	12,80	12,80	8,96	8,96	6,40	13,44	6,40	13,44	6,40	13,44
SS.DSS M 52	600	6,40	12,80	12,80	6,40	12,80	12,80	12,80	8,96	8,96	6,40	13,44	6,40	13,44	6,40	13,44
SS.DSS M 56	600	8,00	16,00	16,00	8,00	16,00	16,00	16,00	11,20	11,20	8,00	16,80	8,00	16,80	8,00	16,80
SS.DSS M 56x4	600	8,00	16,00	16,00	8,00	16,00	16,00	16,00	11,20	11,20	8,00	16,80	8,00	16,80	8,00	16,80

* In certification process with higher WLL / En cours d'homologation avec CMU plus élevée / In Entwicklungsphase mit höheren Tragfähigkeitswerten / En proceso de homologación con una CMU más elevada

4:1

UNC THREADS	1		2		1		2		2		3 → 4					
	Number of rings		Lifting angle β		90°		90°		0° → 45°		46° → 60°					
	0°	6,000*	12,000*	15,000*	6,000*	12,000*	15,000*	15,000*	8,400*	10,500*	6,000*	12,600*	6,000*	12,600*	6,000*	12,600*
SS.DSS U 100 / SS.FE.DSS U 100	125	6,000*	12,000*	15,000*	6,000*	12,000*	15,000*	15,000*	8,400*	10,500*	6,000*	12,600*	6,000*	12,600*	6,000*	12,600*
SS.DSS U 125 / SS.FE.DSS U 125	200	7,500*	15,000*	15,000*	7,500*	15,000*	15,000*	15,000*	10,500*	10,500*	7,500*	15,750*	7,500*	15,750*	7,500*	15,750*
SS.DSS U 138 / SS.FE.DSS U 138	240	7,500*	15,000*	15,000*	7,500*	15,000*	15,000*	15,000*	10,500*	10,500*	7,500*	15,750*	7,500*	15,750*	7,500*	15,750*
SS.DSS U 150 / SS.FE.DSS U 150	240	11,000*	22,000*	22,000*	11,000*	22,000*	22,000*	22,000*	15,400*	15,400*	11,000*	23,100*	11,000*	23,100*	11,000*	23,100*
SS.DSS U 200	450	14,000	28,000	28,000	14,000	28,000	28,000	28,000	19,600	19,600	14,000	29,400	14,000	29,400	14,000	29,400

* In certification process with higher WLL / En cours d'homologation avec CMU plus élevée / In Entwicklungsphase mit höheren Tragfähigkeitswerten / En proceso de homologación con una CMU más elevada

SS.DSS / SS.FE.DSS



LOAD ANGLE CHART

β max : 60°
L : Load

5:1

METRIC THREADS

Number of rings	1		2		1		2		2		3 → 4				
	0°	90°	0°	90°	0°	90°	0° → 45°	46° → 60°	Asymmetric	0° → 45°	46° → 60°	Asymmetric	0° → 45°	46° → 60°	Asymmetric
SS.DSS M 24 / SS.FE.DSS M 24	2,70	2,70	5,40	5,40	2,70	5,40	3,78	2,70	2,70	5,67	2,70	2,70	5,67	2,70	2,70
SS.DSS M 30 / SS.FE.DSS M 30	3,50	3,50	7,00	7,00	3,50	7,00	4,90	3,50	3,50	7,35	3,50	3,50	7,35	3,50	3,50
SS.DSS M 33 / SS.FE.DSS M 33	3,50	3,50	7,00	7,00	3,50	7,00	4,90	3,50	3,50	7,35	3,50	3,50	7,35	3,50	3,50
SS.DSS M 36 / SS.FE.DSS M 36	5,00	5,00	10,00	10,00	5,00	10,00	7,00	5,00	5,00	10,50	5,00	5,00	10,50	5,00	5,00
SS.DSS M 36X3	5,00	5,00	10,00	10,00	5,00	10,00	7,00	5,00	5,00	10,50	5,00	5,00	10,50	5,00	5,00
SS.DSS M 39	5,00	5,00	10,00	10,00	5,00	10,00	7,00	5,00	5,00	10,50	5,00	5,00	10,50	5,00	5,00
SS.DSS M 42	6,00	6,00	12,00	12,00	6,00	12,00	8,40	6,00	6,00	12,60	6,00	6,00	12,60	6,00	6,00
SS.DSS M 42x3	6,00	6,00	12,00	12,00	6,00	12,00	8,40	6,00	6,00	12,60	6,00	6,00	12,60	6,00	6,00

max. load in t

5:1

UNC THREADS

Number of rings	1		2		1		2		2		3 → 4				
	0°	90°	0°	90°	0°	90°	0° → 45°	46° → 60°	Asymmetric	0° → 45°	46° → 60°	Asymmetric	0° → 45°	46° → 60°	Asymmetric
SS.DSS U 100 / SS.FE.DSS U 100	6,000	6,000	12,000	12,000	6,000	12,000	8,400	6,000	6,000	12,600	6,000	6,000	12,600	6,000	6,000
SS.DSS U 125 / SS.FE.DSS U 125	7,500	7,500	15,000	15,000	7,500	15,000	10,500	7,500	7,500	15,750	7,500	7,500	15,750	7,500	7,500
SS.DSS U 138 / SS.FE.DSS U 138	7,500	7,500	15,000	15,000	7,500	15,000	10,500	7,500	7,500	15,750	7,500	7,500	15,750	7,500	7,500
SS.DSS U 150 / SS.FE.DSS U 150	11,000	11,000	22,000	22,000	11,000	22,000	15,400	11,000	11,000	23,100	11,000	11,000	23,100	11,000	11,000

max. load in lbs

SS.SEB



LOAD ANGLE CHART

β max : 60°
L : Load

5:1

METRIC THREADS

Number of rings	1		2		1		2		2		2		3 → 4	
	0°	90°	0°	90°	0° → 45°	90°	0° → 45°	90°	46° → 60°	90°	0° → 45°	46° → 60°	0° → 45°	46° → 60°
SS.SEB M 12	0,55	1,10	1,10	1,10	0,77	1,10	0,77	1,10	0,55	1,10	0,55	1,10	1,15	0,55
SS.SEB M 16	1,20	2,40	2,40	2,40	1,68	2,40	1,68	2,40	1,20	2,40	1,20	2,40	2,52	1,20
SS.SEB M 20	1,50	3,00	3,00	3,00	2,10	3,00	2,10	3,00	1,50	3,00	1,50	3,00	3,15	1,50
SS.SEB M 24	2,50	5,00	5,00	5,00	3,50	5,00	3,50	5,00	2,50	5,00	2,50	5,00	5,25	2,50



max. load in t

4:1

METRIC THREADS

Number of rings	1		2		1		2		2		2		3 → 4	
	0°	90°	0°	90°	0° → 45°	90°	0° → 45°	90°	46° → 60°	90°	0° → 45°	46° → 60°	0° → 45°	46° → 60°
SS.SEB M 12	0,55*	1,10*	1,10*	1,10*	0,77*	1,10*	0,77*	1,10*	0,55*	1,10*	0,55*	1,10*	1,15*	0,55*
SS.SEB M 16	1,20*	2,40*	2,40*	2,40*	1,68*	2,40*	1,68*	2,40*	1,20*	2,40*	1,20*	2,40*	2,52*	1,20*
SS.SEB M 20	1,50*	3,00*	3,00*	3,00*	2,10*	3,00*	2,10*	3,00*	1,50*	3,00*	1,50*	3,00*	3,15*	1,50*
SS.SEB M 24	2,50*	5,00*	5,00*	5,00*	3,50*	5,00*	3,50*	5,00*	2,50*	5,00*	2,50*	5,00*	5,25*	2,50*



max. load in t

* In certification process with higher WLL / En cours d'homologation avec CMU plus élevée / In Entwicklungsphase mit höheren Tragfähigkeitswerten / En proceso de homologación con una CMU más elevada

DSP



LOAD ANGLE CHART

β max : 60°
L : Load

5:1

METRIC THREADS	Torque (Nm)		2		2		2		3 → 4	
	Number of rings	Lifting angle β	0°	90°	0° → 45°	46° → 60°	Asymmetric	0° → 45°	46° → 60°	Asymmetric
DSP M 8	6	0,30	0,60	0,60	0,42	0,30	0,30	0,63	0,30	0,30
DSP M 10	10	0,60	1,20	1,20	0,88	0,60	0,60	1,26	0,60	0,60
DSP M 12	15	1,00	2,00	2,00	1,40	1,00	1,00	2,10	1,00	1,00
DSP M 14	30	1,30	2,60	2,60	1,82	1,30	1,30	2,73	1,30	1,30
DSP M 16	50	1,60	3,20	3,20	2,24	1,60	1,60	3,36	1,60	1,60
DSP M 18	70	2,00	4,00	4,00	2,80	2,00	2,00	4,20	2,00	2,00
DSP M 20	100	2,50	5,00	5,00	3,50	2,50	2,50	5,25	2,50	2,50

max. load in t

5:1

UNC THREADS	Torque (ft-lb)		2		2		2		3 → 4	
	Number of rings	Lifting angle β	0°	90°	0° → 45°	46° → 60°	Asymmetric	0° → 45°	46° → 60°	Asymmetric
DSP U 516	7	650	1,300	1,300	910	650	650	1,365	650	650
DSP U 038	8	1,200	2,400	2,400	1,680	1,200	1,200	2,520	1,200	1,200
DSP U 050	12	2,200	4,400	4,400	3,080	2,200	2,200	4,620	2,200	2,200
DSP U 058	40	3,800	7,600	7,600	5,320	3,800	3,800	7,980	3,800	3,800
DSP U 075	80	5,500	11,000	11,000	7,700	5,500	5,500	11,550	5,500	5,500

max. load in lbs

DSH



LOAD ANGLE CHART

β max : 60°
L : Load

5:1

METRIC THREADS

Number of rings	1		2		1		2		2		3 → 4			
	0°	90°	0°	90°	0° → 45°	90°	0° → 45°	90°	46° → 60°	Asymmetric	0° → 45°	46° → 60°		
DSH M 8	0,30	0,30	0,60	0,60	0,42	0,60	0,42	0,60	0,30	0,30	0,63	0,30	Asymmetric	0,30
DSH M 10	0,60	0,60	1,20	1,20	0,84	1,20	0,84	1,20	0,60	0,60	1,26	0,60	0,60	0,60
DSH M 12	1,00	1,00	2,00	2,00	1,40	2,00	1,40	2,00	1,00	1,00	2,10	1,00	1,00	1,00
DSH M 14	1,30	1,30	2,60	2,60	1,82	2,60	1,82	2,60	1,30	1,30	2,73	1,30	1,30	1,30
DSH M 16	1,60	1,60	3,20	3,20	2,24	3,20	2,24	3,20	1,60	1,60	3,36	1,60	1,60	1,60
DSH M 18	2,00	2,00	4,00	4,00	2,80	4,00	2,80	4,00	2,00	2,00	4,20	2,00	2,00	2,00
DSH M 20	2,50	2,50	5,00	5,00	3,50	5,00	3,50	5,00	2,50	2,50	5,25	2,50	2,50	2,50

max. load in t

5:1

UNC THREADS

Number of rings	1		2		1		2		2		3 → 4			
	0°	90°	0°	90°	0° → 45°	90°	0° → 45°	90°	46° → 60°	Asymmetric	0° → 45°	46° → 60°		
DSH U 516	650	650	1,300	1,300	910	1,300	910	1,300	650	650	1,365	650	Asymmetric	650
DSH U 038	1,200	1,200	2,400	2,400	1,680	2,400	1,680	2,400	1,200	1,200	2,520	1,200	1,200	1,200
DSH U 050	2,200	2,200	4,400	4,400	3,080	4,400	3,080	4,400	2,200	2,200	4,620	2,200	2,200	2,200
DSH U 058	3,800	3,800	7,600	7,600	5,320	7,600	5,320	7,600	3,800	3,800	7,980	3,800	3,800	3,800
DSH U 075	5,500	5,500	11,000	11,000	7,700	11,000	7,700	11,000	5,500	5,500	11,550	5,500	5,500	5,500

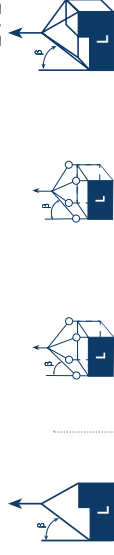
max. load in lbs

TSR



LOAD ANGLE CHART

β max : 60°
L : Load



5:1

METRIC THREADS

Number of rings	1		2		1		2		Asymmetric		3 → 4	
	0°	90°	0°	90°	0° → 45°	46° → 60°	0° → 45°	46° → 60°	0° → 45°	46° → 60°	0° → 45°	46° → 60°
TSR M 8	0,30	0,30	0,60	0,60	0,42	0,30	0,63	0,30	0,30	0,60	0,30	0,30
TSR M 10	0,60	0,60	1,20	1,20	0,84	0,60	1,26	0,60	0,60	1,20	0,60	0,60
TSR M 12	1,00	1,00	2,00	2,00	1,40	1,00	2,10	1,00	1,00	2,00	1,00	1,00
TSR M 14	1,30	1,30	2,60	2,60	1,82	1,30	2,73	1,30	1,30	2,60	1,30	1,30
TSR M 16	1,60	1,60	3,20	3,20	2,24	1,60	3,36	1,60	1,60	3,20	1,60	1,60
TSR M 18	2,00	2,00	4,00	4,00	2,80	2,00	4,20	2,00	2,00	4,00	2,00	2,00
TSR M 20	2,50	2,50	5,00	5,00	3,50	2,50	5,25	2,50	2,50	5,00	2,50	2,50
TSR M 22	3,00	3,00	6,00	6,00	4,20	3,00	6,30	3,00	3,00	6,00	3,00	3,00
TSR M 24	4,00	4,00	8,00	8,00	5,60	4,00	8,40	4,00	4,00	8,00	4,00	4,00
TSR M 27	5,00	5,00	10,00	10,00	7,00	5,00	10,50	5,00	5,00	10,00	5,00	5,00
TSR M 30	6,30	6,30	12,60	12,60	8,82	6,30	13,20	6,30	6,30	12,60	6,30	6,30
TSR M 36	10,00	10,00	20,00	20,00	14,00	10,00	21,00	10,00	10,00	20,00	10,00	10,00
TSR M 42	12,50	12,50	25,00	25,00	17,50	12,50	26,25	12,50	12,50	25,00	12,50	12,50
TSR M 48	20,00	20,00	40,00	40,00	28,00	20,00	42,00	20,00	20,00	40,00	20,00	20,00
TSR M 56	22,00	22,00	44,00	44,00	30,80	22,00	46,20	22,00	22,00	44,00	22,00	22,00

max. load in t

4:1

5:1

UNC THREADS

Number of rings	1		2		1		2		Asymmetric		3 → 4	
	0°	90°	0°	90°	0° → 45°	46° → 60°	0° → 45°	46° → 60°	0° → 45°	46° → 60°	0° → 45°	46° → 60°
TSR U 516	650	650	1,300	1,300	910	650	1,365	650	650	1,200	650	650
TSR U 038	1,200	1,200	2,400	2,400	1,680	1,200	2,520	1,200	1,200	2,400	1,200	1,200
TSR U 050	2,200	2,200	4,400	4,400	3,080	2,200	4,620	2,200	2,200	4,400	2,200	2,200
TSR U 058	3,800	3,800	7,600	7,600	5,320	3,800	7,980	3,800	3,800	7,600	3,800	3,800
TSR U 075	5,500	5,500	11,000	11,000	7,700	5,500	11,550	5,500	5,500	11,000	5,500	5,500
TSR U 078	6,600	6,600	13,200	13,200	9,240	6,600	13,860	6,600	6,600	13,200	6,600	6,600
TSR U 100	10,000	10,000	20,000	20,000	14,000	10,000	21,000	10,000	10,000	20,000	10,000	10,000
TSR U 125	14,000	14,000	28,000	28,000	19,600	14,000	29,400	14,000	14,000	28,000	14,000	14,000
TSR U 150	20,000	20,000	40,000	40,000	28,000	20,000	42,000	20,000	20,000	40,000	20,000	20,000
TSR U 200	50,000	50,000	100,000	100,000	70,000	50,000	105,000	50,000	50,000	100,000	50,000	50,000

max. load in lbs

4:1

OTHER

- SELECTION CHART
- THREAD CHART
- LOAD ANGLE CHART - SUMMARY
- PICTOGRAM LEGEND

ANDERE

- AUSWAHLTABELLE
- GEWINDETABELLE
- HEBEWINKELTABELLE -
INHALTSVERZEICHNIS
- PIKTOGRAMM - LEGENDE

AUTRE

- TABLEAU DE SÉLECTION
- TABLEAU DE FILETAGE
- TABLEAU DE LEVAGE - SOMMAIRE
- LÉGENDE DES PICTOGRAMMES

OTRO

- TABLA RECAPITULATIVA
- TABLA DE ROSCA
- TABLA DE LOS ANGÚLOS
DE ELEVACIÓN - RESUMEN
- LEYENDA DE LOS PICTOGRAMAS

CODIPRO SELECTION CHART - TABLEAU DE SELECTION - AUSWAHLTABELLE - TABLA RECAPITULATIVA

Image	Double Swivel Ring design				Double Swivel Shackles design				Swivel Eye Bolt design			Alternative designs			Central lifting		Fall protection					
	DSR	FE.DSR	WE.DSR	SS.DSR	SS.FE.DSR	DSS	MEGA.DSS	GIGA.DSS	FE.DSS	WE.DSS	SS.DSS	SS.FE.DSS	SEB	FE.SEB	SS.SEB	DSP	DSH	TSR	CSS	SLM	PE.SEB	SS.PE.SEB
	M 5 - M 42	M 8 - M 22	M 6 - M 30	M 8 - M 22	M 8 - M 22	M 24 - M 100	M 64 - M 100	M 150	M 24 - M 52	welding	M 24 - M 56	M 24 - M 36	M 8 - M 48	M 8 - M 20	M 8 - M 56	M 8 - M 20	M 8 - M 20	M 8 - M 56	special	special	M 12 - M 16 - M 20	M 12 - M 16 - M 20 - M 24
	0.07t - 9t	1/4" - 1" / 4	0.4t - 4.5t	0.3t - 2.2t	0.3t - 2.2t	4.5t - 32.1t	26t - 60t	125t	4.5t - 21t	10t	2.7t - 8t	2.7t - 5t	0.4t - 11t	0.3t - 2.5t	0.3t - 2.5t	0.3t - 2.5t	0.3t - 2.5t	0.3t - 2.2t	20t / 32t / 55t	80t	1-2 pers.	1-2 pers.
	330 - 9,800 lbs	1/4" - 7/8"	400 - 6,000 lbs	5/16" - 7/8"	5/16" - 7/8"	10,000 - 55,000 lbs	60,000 - 110,000 lbs	N/A	10,000 - 50,000 lbs	22,000 lbs	6,000 - 14,000 lbs	6,000 - 11,000 lbs	1,200 - 25,000 lbs	1,200 - 13,800 lbs	650 - 5,500 lbs	650 - 5,500 lbs	650 - 5,500 lbs	650 - 50,000 lbs	on request	on request	N/A	N/A
	5:1	5:1	5:1	5:1	5:1	5:1	5:1	5:1	5:1	5:1	5:1	5:1	5:1	5:1	5:1	5:1	5:1	5:1	4:1	4:1	4:1	4:1
	4:1	4:1	4:1	4:1	4:1	4:1	4:1	4:1	4:1	4:1	4:1	4:1	4:1	4:1	4:1	4:1	4:1	4:1	4:1	4:1	4:1	4:1
	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
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★ Optional

☆ On request

N/A: Not Applicable

GRADUP LOAD ANGLE CHART

SUMMARY METRIC

β max : 60°
L : Load

max. load in t

Size	Lifting Type		1		2		1		2		Asymmetric		3 → 4	
	Number of rings	Lifting angle β	0°	90°	0°	90°	0°	90°	0° → 45°	46° → 60°	0° → 45°	46° → 60°	0° → 45°	46° → 60°
		Torque (Nm)												
M 5	3	0,30	0,60	0,10	0,20	0,20	0,14	0,10	0,10	0,21	0,10	0,10	0,10	0,10
M 6	4	0,40	0,80	0,20	0,40	0,28	0,20	0,20	0,20	0,42	0,20	0,20	0,20	0,20
M 8	6	1,00	2,00	0,50	1,00	0,70	0,50	0,50	0,50	1,05	0,50	0,50	0,50	0,50
M 10	10	1,50	3,00	0,90	1,80	1,26	0,90	0,90	0,90	1,89	0,90	0,90	0,90	0,90
M 12	15	2,00	4,00	1,30	2,60	1,82	1,30	1,30	1,30	2,73	1,30	1,30	1,30	1,30
M 14	30	2,60	5,20	1,80	3,60	2,52	1,80	1,80	1,80	3,78	1,80	1,80	1,80	1,80
M 16	50	2,80	5,60	2,30	4,60	3,22	2,30	2,30	2,30	4,83	2,30	2,30	2,30	2,30
M 18	70	2,80	5,60	2,30	4,60	3,22	2,30	2,30	2,30	4,83	2,30	2,30	2,30	2,30
M 20 215	100	3,20	6,40	2,50	5,00	3,50	2,50	2,50	2,50	5,25	2,50	2,50	2,50	2,50
M 20 312	100	3,20	6,40	2,50	5,00	3,50	2,50	2,50	2,50	5,25	2,50	2,50	2,50	2,50
M 22	120	6,00	12,00	4,50	9,00	6,30	4,50	4,50	4,50	10,50	4,50	4,50	4,50	4,50
M 24	160	6,50	13,00	5,50	11,00	7,70	5,50	5,50	5,50	11,55	5,50	5,50	5,50	5,50
M 27	200	6,50	13,00	6,00	12,00	8,40	6,00	6,00	6,00	12,60	6,00	6,00	6,00	6,00
M 30 613	250	9,00	18,00	8,00	16,00	11,20	8,00	8,00	8,00	16,80	8,00	8,00	8,00	8,00
M 30 818	250	9,00	18,00	8,00	16,00	11,20	8,00	8,00	8,00	16,80	8,00	8,00	8,00	8,00
M 36	320	10,00	20,00	10,00	20,00	12,60	10,00	10,00	10,00	18,90	10,00	10,00	10,00	10,00
M 42	400	10,00	20,00	10,00	20,00	12,60	10,00	10,00	10,00	18,90	10,00	10,00	10,00	10,00
M 24	160	9,00	18,00	8,00	16,00	11,20	8,00	8,00	8,00	16,80	8,00	8,00	8,00	8,00
M 30	250	14,00	28,00	11,90	23,80	17,90	11,90	11,90	11,90	27,85	11,90	11,90	11,90	11,90
M 33	250	14,50	29,00	12,00	24,00	18,00	12,00	12,00	12,00	28,05	12,00	12,00	12,00	12,00
M 36	320	15,00	30,00	12,00	24,00	18,00	12,00	12,00	12,00	28,05	12,00	12,00	12,00	12,00
M 36x3	320	15,00	30,00	12,00	24,00	18,00	12,00	12,00	12,00	28,05	12,00	12,00	12,00	12,00
M 39	320	17,00	34,00	13,00	26,00	19,60	13,00	13,00	13,00	31,50	13,00	13,00	13,00	13,00
M 42	400	15,50	31,00	15,00	30,00	21,00	15,00	15,00	15,00	31,50	15,00	15,00	15,00	15,00
M 42x3	400	15,50	31,00	15,00	30,00	21,00	15,00	15,00	15,00	31,50	15,00	15,00	15,00	15,00
M 45	400	15,00	30,00	16,00	32,00	22,40	16,00	16,00	16,00	33,60	16,00	16,00	16,00	16,00
M 48	600	22,00	44,00	20,00	40,00	28,00	20,00	20,00	20,00	42,00	20,00	20,00	20,00	20,00
M 48x3	600	22,00	44,00	20,00	40,00	28,00	20,00	20,00	20,00	42,00	20,00	20,00	20,00	20,00
M 48x4	600	22,00	44,00	20,00	40,00	28,00	20,00	20,00	20,00	42,00	20,00	20,00	20,00	20,00
M 52	600	23,00	46,00	20,00	40,00	28,00	20,00	20,00	20,00	42,00	20,00	20,00	20,00	20,00
M 56	600	25,00	50,00	25,00	50,00	35,00	25,00	25,00	25,00	52,50	25,00	25,00	25,00	25,00
M 56x4	600	25,00	50,00	25,00	50,00	35,00	25,00	25,00	25,00	52,50	25,00	25,00	25,00	25,00
M 64	600	32,10	64,20	32,10	64,20	44,94	32,10	32,10	32,10	67,41	32,10	32,10	32,10	32,10
M 64x4	600	32,10	64,20	32,10	64,20	44,94	32,10	32,10	32,10	67,41	32,10	32,10	32,10	32,10
M 72	600	25,00	50,00	25,00	50,00	35,00	25,00	25,00	25,00	52,50	25,00	25,00	25,00	25,00
M 72x4	600	25,00	50,00	25,00	50,00	35,00	25,00	25,00	25,00	52,50	25,00	25,00	25,00	25,00
M 80	600	32,10	64,20	32,10	64,20	44,94	32,10	32,10	32,10	67,41	32,10	32,10	32,10	32,10
M 80x4	600	32,10	64,20	32,10	64,20	44,94	32,10	32,10	32,10	67,41	32,10	32,10	32,10	32,10
M 90	600	32,10	64,20	32,10	64,20	44,94	32,10	32,10	32,10	67,41	32,10	32,10	32,10	32,10
M 100	600	32,10	64,20	32,10	64,20	44,94	32,10	32,10	32,10	67,41	32,10	32,10	32,10	32,10
M 64	600	32,00	64,00	32,00	64,00	46,20	32,00	32,00	32,00	69,30	32,00	32,00	32,00	32,00
M 72	700	35,00	70,00	35,00	70,00	49,00	35,00	35,00	35,00	73,50	35,00	35,00	35,00	35,00
M 72x4	700	35,00	70,00	35,00	70,00	49,00	35,00	35,00	35,00	73,50	35,00	35,00	35,00	35,00
M 80	800	40,00	80,00	40,00	80,00	56,00	40,00	40,00	40,00	84,00	40,00	40,00	40,00	40,00
M 90	900	45,00	90,00	45,00	90,00	63,00	45,00	45,00	45,00	94,50	45,00	45,00	45,00	45,00
M 100	1000	60,00	120,00	60,00	120,00	84,00	60,00	60,00	60,00	126,00	60,00	60,00	60,00	60,00
M 8	6	0,80	1,60	0,50	1,00	0,70	0,50	0,50	0,50	1,05	0,50	0,50	0,50	0,50
M 10	10	1,20	2,40	0,70	1,40	0,98	0,70	0,70	0,70	1,47	0,70	0,70	0,70	0,70
M 12	15	1,90	3,80	1,26	2,52	1,80	1,26	1,26	1,26	2,16	1,26	1,26	1,26	1,26
M 16	50	3,20	6,40	2,10	4,20	2,82	2,10	2,10	2,10	3,36	2,10	2,10	2,10	2,10
M 20	100	6,50	13,00	4,30	8,60	5,70	4,30	4,30	4,30	8,58	4,30	4,30	4,30	4,30
M 24 318	160	7,00	14,00	4,60	9,20	6,10	4,60	4,60	4,60	9,16	4,60	4,60	4,60	4,60
M 24 412	160	7,00	14,00	4,60	9,20	6,10	4,60	4,60	4,60	9,16	4,60	4,60	4,60	4,60
M 30	250	10,00	20,00	6,30	12,60	8,40	6,30	6,30	6,30	12,60	6,30	6,30	6,30	6,30
M 36	320	12,00	24,00	7,50	15,00	10,00	7,50	7,50	7,50	15,00	7,50	7,50	7,50	7,50
M 42	400	15,00	30,00	9,00	18,00	12,00	9,00	9,00	9,00	18,00	9,00	9,00	9,00	9,00
M 48	600	18,00	36,00	10,80	21,60	14,40	10,80	10,80	10,80	21,60	10,80	10,80	10,80	10,80

4:1



GRADUP LOAD ANGLE CHART

SUMMARY UNC

β max : 60°
L : Load

max. load in lbs	Lifting Type	1		2		1		2		2		3 → 4											
		0°		0°		90°		90°		0° → 45°		46° → 60°		0° → 45°		46° → 60°		Asymmetric		Asymmetric			
		Size	Torque (ft-lb)	Size	Torque (ft-lb)	Size	Torque (ft-lb)	Size	Torque (ft-lb)	Size	Torque (ft-lb)	Size	Torque (ft-lb)	Size	Torque (ft-lb)	Size	Torque (ft-lb)	Size	Torque (ft-lb)	Size	Torque (ft-lb)	Size	Torque (ft-lb)
DSR	1/4"	3	900	1/4"	1,800	1/4"	450	1/4"	900	1/4"	630	1/4"	450	1/4"	945	1/4"	450	1/4"	450	1/4"	450	1/4"	450
	5/16"	5	2,200	5/16"	4,400	5/16"	1,200	5/16"	2,400	5/16"	1,680	5/16"	1,200	5/16"	2,520	5/16"	1,200	5/16"	1,200	5/16"	1,200	5/16"	1,200
	3/8"	8	3,200	3/8"	6,400	3/8"	1,600	3/8"	3,200	3/8"	2,240	3/8"	1,600	3/8"	3,360	3/8"	1,600	3/8"	1,600	3/8"	1,600	3/8"	1,600
	1/2"	12	3,400	1/2"	6,800	1/2"	2,800	1/2"	5,600	1/2"	3,920	1/2"	2,800	1/2"	5,880	1/2"	2,800	1/2"	2,800	1/2"	2,800	1/2"	2,800
	5/8"	40	5,900	5/8"	11,800	5/8"	4,900	5/8"	9,800	5/8"	6,860	5/8"	4,900	5/8"	10,290	5/8"	4,900	5/8"	4,900	5/8"	4,900	5/8"	4,900
	3/4"	80	6,200	3/4"	12,400	3/4"	5,250	3/4"	10,500	3/4"	7,350	3/4"	5,250	3/4"	11,025	3/4"	5,250	3/4"	5,250	3/4"	5,250	3/4"	5,250
	7/8"	90	13,500	7/8"	27,000	7/8"	9,800	7/8"	19,600	7/8"	13,720	7/8"	9,800	7/8"	20,580	7/8"	9,800	7/8"	9,800	7/8"	9,800	7/8"	9,800
	1"	125	13,500	1"	27,000	1"	12,500	1"	25,000	1"	17,500	1"	12,500	1"	26,250	1"	12,500	1"	12,500	1"	12,500	1"	12,500
	1" 1/8	160	13,500	1" 1/8	27,000	1" 1/8	13,000	1" 1/8	26,000	1" 1/8	18,200	1" 1/8	13,000	1" 1/8	27,300	1" 1/8	13,000	1" 1/8	13,000	1" 1/8	13,000	1" 1/8	13,000
	1" 1/4	200	13,500	1" 1/4	27,000	1" 1/4	13,500	1" 1/4	27,000	1" 1/4	18,900	1" 1/4	13,500	1" 1/4	28,350	1" 1/4	13,500	1" 1/4	13,500	1" 1/4	13,500	1" 1/4	13,500
	1"	125	19,000	1"	38,000	1"	13,000	1"	26,000	1"	18,200	1"	13,000	1"	27,300	1"	13,000	1"	13,000	1"	13,000	1"	13,000
	1" 1/4	200	30,000	1" 1/4	60,000	1" 1/4	19,000	1" 1/4	38,000	1" 1/4	26,600	1" 1/4	19,000	1" 1/4	39,900	1" 1/4	19,000	1" 1/4	19,000	1" 1/4	19,000	1" 1/4	19,000
	1" 3/8	240	32,000	1" 3/8	64,000	1" 3/8	22,000	1" 3/8	44,000	1" 3/8	30,800	1" 3/8	22,000	1" 3/8	46,200	1" 3/8	22,000	1" 3/8	22,000	1" 3/8	22,000	1" 3/8	22,000
	1" 1/2	240	33,000	1" 1/2	66,000	1" 1/2	27,000	1" 1/2	54,000	1" 1/2	37,800	1" 1/2	27,000	1" 1/2	56,700	1" 1/2	27,000	1" 1/2	27,000	1" 1/2	27,000	1" 1/2	27,000
	1" 3/4	300	33,000	1" 3/4	66,000	1" 3/4	33,000	1" 3/4	66,000	1" 3/4	46,200	1" 3/4	33,000	1" 3/4	69,300	1" 3/4	33,000	1" 3/4	33,000	1" 3/4	33,000	1" 3/4	33,000
	2"	450	50,000	2"	100,000	2"	50,000	2"	100,000	2"	70,000	2"	50,000	2"	105,000	2"	50,000	2"	50,000	2"	50,000	2"	50,000
	2" 1/2	450	55,000	2" 1/2	110,000	2" 1/2	55,000	2" 1/2	110,000	2" 1/2	77,000	2" 1/2	55,000	2" 1/2	115,500	2" 1/2	55,000	2" 1/2	55,000	2" 1/2	55,000	2" 1/2	55,000
	2" 3/4	520	75,000	2" 3/4	150,000	2" 3/4	75,000	2" 3/4	150,000	2" 3/4	105,000	2" 3/4	75,000	2" 3/4	157,500	2" 3/4	75,000	2" 3/4	75,000	2" 3/4	75,000	2" 3/4	75,000
	3"	520	80,000	3"	160,000	3"	80,000	3"	160,000	3"	112,000	3"	80,000	3"	168,000	3"	80,000	3"	80,000	3"	80,000	3"	80,000
	3" 1/4	590	90,000	3" 1/4	180,000	3" 1/4	90,000	3" 1/4	180,000	3" 1/4	126,000	3" 1/4	90,000	3" 1/4	189,000	3" 1/4	90,000	3" 1/4	90,000	3" 1/4	90,000	3" 1/4	90,000
	3" 1/2	665	95,000	3" 1/2	190,000	3" 1/2	95,000	3" 1/2	190,000	3" 1/2	133,000	3" 1/2	95,000	3" 1/2	199,500	3" 1/2	95,000	3" 1/2	95,000	3" 1/2	95,000	3" 1/2	95,000
	3" 3/4	740	100,000	3" 3/4	200,000	3" 3/4	100,000	3" 3/4	200,000	3" 3/4	140,000	3" 3/4	100,000	3" 3/4	210,000	3" 3/4	100,000	3" 3/4	100,000	3" 3/4	100,000	3" 3/4	100,000
	4"	740	110,000	4"	220,000	4"	110,000	4"	220,000	4"	154,000	4"	110,000	4"	231,000	4"	110,000	4"	110,000	4"	110,000	4"	110,000
	3/8"	8	3,500	3/8"	7,000	3/8"	1,500	3/8"	3,000	3/8"	2,100	3/8"	1,500	3/8"	3,150	3/8"	1,500	3/8"	1,500	3/8"	1,500	3/8"	1,500
	1/2"	12	4,200	1/2"	8,400	1/2"	1,950	1/2"	3,900	1/2"	2,730	1/2"	1,950	1/2"	4,095	1/2"	1,950	1/2"	1,950	1/2"	1,950	1/2"	1,950
	5/8"	40	7,000	5/8"	14,000	5/8"	4,000	5/8"	8,000	5/8"	5,600	5/8"	4,000	5/8"	8,400	5/8"	4,000	5/8"	4,000	5/8"	4,000	5/8"	4,000
	3/4"	80	15,000	3/4"	30,000	3/4"	5,900	3/4"	11,800	3/4"	8,260	3/4"	5,900	3/4"	12,390	3/4"	5,900	3/4"	5,900	3/4"	5,900	3/4"	5,900
	1"	125	15,000	1"	30,000	1"	9,300	1"	18,600	1"	13,020	1"	9,300	1"	19,530	1"	9,300	1"	9,300	1"	9,300	1"	9,300
	1" 1/4	200	22,000	1" 1/4	44,000	1" 1/4	13,800	1" 1/4	27,600	1" 1/4	19,320	1" 1/4	13,800	1" 1/4	28,980	1" 1/4	13,800	1" 1/4	13,800	1" 1/4	13,800	1" 1/4	13,800
	1" 1/2	240	25,000	1" 1/2	50,000	1" 1/2	25,000	1" 1/2	50,000	1" 1/2	35,000	1" 1/2	25,000	1" 1/2	52,500	1" 1/2	25,000	1" 1/2	25,000	1" 1/2	25,000	1" 1/2	25,000

4:1



SUMMARY METRIC

β max : 60°
L : Load

GRADUP LOAD ANGLE CHART

max. load in t

Lifting Type	1		2		1		2		Asymmetric		Asymmetric	
	Lifting angle β		Lifting angle β		Lifting angle β		Lifting angle β		Lifting angle β		Lifting angle β	
	0°	90°	0°	90°	0° → 45°	46° → 60°	0° → 45°	46° → 60°	0° → 45°	46° → 60°	0° → 45°	46° → 60°
DSR	M 5 3	0,20	0,07	0,14	0,10	0,07	0,15	0,07	0,15	0,07	0,15	0,07
	M 6 4	0,30	0,15	0,30	0,21	0,15	0,32	0,15	0,32	0,15	0,32	0,15
	M 8 6	0,80	0,40	0,80	0,56	0,40	0,84	0,40	0,84	0,40	0,84	0,40
	M 10 10	1,30	0,70	1,40	0,98	0,70	1,47	0,70	1,47	0,70	1,47	0,70
	M 12 15	1,50	1,05	2,10	1,47	1,05	2,21	1,05	2,21	1,05	2,21	1,05
	M 14 30	2,50	1,40	2,80	1,96	1,40	2,94	1,40	2,94	1,40	2,94	1,40
	M 16 50	2,70	2,00	4,00	2,80	2,00	4,20	2,00	4,20	2,00	4,20	2,00
	M 18 70	2,50	5,40	4,60	3,22	2,30	4,85	2,30	4,85	2,30	4,85	2,30
	M 20 2t15 100	2,80	5,60	5,00	3,50	2,50	5,25	2,50	5,25	2,50	5,25	2,50
	M 20 3t2 100	3,20	6,40	5,80	4,06	2,90	6,09	2,90	6,09	2,90	6,09	2,90
	M 22 120	5,50	11,00	7,00	7,35	3,50	9,24	3,50	9,24	3,50	9,24	3,50
	M 24 160	6,00	12,00	8,80	6,16	4,40	9,24	4,40	9,24	4,40	9,24	4,40
	M 27 200	6,00	12,00	11,40	7,98	5,70	11,97	5,70	11,97	5,70	11,97	5,70
	M 30 6t3 250	6,30	12,60	12,00	8,40	6,00	12,60	6,00	12,60	6,00	12,60	6,00
	M 30 8t 250	9,00	18,00	13,40	9,38	6,70	14,07	6,70	14,07	6,70	14,07	6,70
	M 36 320	9,00	18,00	16,00	11,20	8,00	16,80	8,00	16,80	8,00	16,80	8,00
	M 42 400	9,50	19,00	17,00	11,90	8,50	17,85	8,50	17,85	8,50	17,85	8,50
	M 24 160	9,00	18,00	9,00	6,50	4,50	9,45	4,50	9,45	4,50	9,45	4,50
	M 30 250	14,00	28,00	15,40	10,78	7,70	16,17	7,70	16,17	7,70	16,17	7,70
	M 33 250	14,50	29,00	15,00	11,90	8,50	17,85	8,50	17,85	8,50	17,85	8,50
	M 36 320	15,00	30,00	15,40	11,00	8,00	19,00	8,00	19,00	8,00	19,00	8,00
	M 36x3 320	15,00	30,00	15,40	11,00	8,00	19,00	8,00	19,00	8,00	19,00	8,00
	M 39 320	15,00	30,00	15,40	11,00	8,00	19,00	8,00	19,00	8,00	19,00	8,00
	M 42 400	15,00	30,00	15,40	11,00	8,00	19,00	8,00	19,00	8,00	19,00	8,00
	M 42x3 400	15,00	30,00	15,40	11,00	8,00	19,00	8,00	19,00	8,00	19,00	8,00
	M 45 400	15,00	30,00	15,40	11,00	8,00	19,00	8,00	19,00	8,00	19,00	8,00
	M 48 600	22,00	44,00	23,00	17,00	12,00	23,80	12,00	23,80	12,00	23,80	12,00
	M 48x3 600	22,00	44,00	23,00	17,00	12,00	23,80	12,00	23,80	12,00	23,80	12,00
	M 48x4 600	22,00	44,00	23,00	17,00	12,00	23,80	12,00	23,80	12,00	23,80	12,00
	M 52 600	23,00	46,00	24,00	18,00	13,00	25,00	13,00	25,00	13,00	25,00	13,00
	M 56 600	25,00	50,00	26,00	19,00	14,00	26,60	14,00	26,60	14,00	26,60	14,00
	M 56x4 600	25,00	50,00	26,00	19,00	14,00	26,60	14,00	26,60	14,00	26,60	14,00
	M 64 600	25,00	50,00	26,00	19,00	14,00	26,60	14,00	26,60	14,00	26,60	14,00
	M 64x4 600	25,00	50,00	26,00	19,00	14,00	26,60	14,00	26,60	14,00	26,60	14,00
	M 72 600	25,00	50,00	26,00	19,00	14,00	26,60	14,00	26,60	14,00	26,60	14,00
	M 72x4 600	25,00	50,00	26,00	19,00	14,00	26,60	14,00	26,60	14,00	26,60	14,00
	M 80 600	25,00	50,00	26,00	19,00	14,00	26,60	14,00	26,60	14,00	26,60	14,00
	M 90 600	25,00	50,00	26,00	19,00	14,00	26,60	14,00	26,60	14,00	26,60	14,00
	M 100 600	25,00	50,00	26,00	19,00	14,00	26,60	14,00	26,60	14,00	26,60	14,00
	M 100 1000	48,00	96,00	48,00	36,00	26,00	50,00	26,00	50,00	26,00	50,00	26,00
	M 150 2000	125,00	250,00	125,00	93,75	66,25	175,00	66,25	175,00	66,25	175,00	66,25
	M 8 6	0,70	1,40	0,80	0,56	0,40	0,84	0,40	0,84	0,40	0,84	0,40
	M 10 10	1,20	2,40	1,00	0,70	0,50	1,05	0,50	1,05	0,50	1,05	0,50
	M 12 15	1,70	3,40	1,60	1,12	0,80	1,68	0,80	1,68	0,80	1,68	0,80
	M 16 50	3,20	6,40	2,80	1,96	1,40	2,94	1,40	2,94	1,40	2,94	1,40
	M 20 100	5,00	10,00	4,00	2,80	2,00	4,20	2,00	4,20	2,00	4,20	2,00
	M 24 3t8 160	6,30	12,60	6,40	4,48	3,20	6,72	3,20	6,72	3,20	6,72	3,20
	M 24 4t2 160	7,00	14,00	6,80	4,76	3,40	7,14	3,40	7,14	3,40	7,14	3,40
	M 30 250	8,50	17,00	8,00	5,60	4,00	8,40	4,00	8,40	4,00	8,40	4,00
	M 36 320	12,00	24,00	11,00	7,70	5,50	11,55	5,50	11,55	5,50	11,55	5,50
	M 42 400	12,00	24,00	11,00	7,70	5,50	11,55	5,50	11,55	5,50	11,55	5,50
	M 48 600	15,00	30,00	14,00	9,80	7,00	14,70	7,00	14,70	7,00	14,70	7,00
	M 48 600	15,00	30,00	14,00	9,80	7,00	14,70	7,00	14,70	7,00	14,70	7,00

GRADUP LOAD ANGLE CHART

SUMMARY UNC

β max : 60°
L : Load

max. load in lbs	Lifting Type	1		2		1		2		2		3		3 → 4		
		0°	90°	0°	90°	90°	90°	0° → 45°	46° → 60°	Asymmetric	0° → 45°	46° → 60°	Asymmetric	0° → 45°	46° → 60°	Asymmetric
Size	Torque (ft-lb)															
1/4"	3	650	1,300	330	660	462	330	330	693	330	330	330	693	330	330	
5/16"	5	1,800	3,600	1,000	2,000	1,400	1,000	1,000	2,100	1,000	1,000	1,000	2,100	1,000	1,000	
3/8"	8	2,500	5,000	1,300	2,600	1,820	1,300	1,300	2,730	1,300	1,300	1,300	2,730	1,300	1,300	
1/2"	12	3,000	6,000	2,400	4,800	3,360	2,400	2,400	5,040	2,400	2,400	2,400	5,040	2,400	2,400	
5/8"	40	5,900	11,800	3,900	7,800	5,460	3,900	3,900	8,190	3,900	3,900	3,900	8,190	3,900	3,900	
3/4"	80	5,900	11,800	5,250	10,500	7,350	5,250	5,250	11,025	5,250	5,250	5,250	11,025	5,250	5,250	
7/8"	90	13,500	27,000	7,900	15,800	11,060	7,900	7,900	16,590	7,900	7,900	7,900	16,590	7,900	7,900	
1"	125	13,500	27,000	11,200	22,400	15,680	11,200	11,200	23,520	11,200	11,200	11,200	23,520	11,200	11,200	
1" 1/8	160	13,500	27,000	11,500	23,000	16,100	11,500	11,500	24,150	11,500	11,500	11,500	24,150	11,500	11,500	
1" 1/4	200	13,500	27,000	13,500	27,000	18,900	13,500	13,500	28,350	13,500	13,500	13,500	28,350	13,500	13,500	
1"	125	19,000	38,000	10,000	20,000	14,000	10,000	10,000	21,000	10,000	10,000	10,000	21,000	10,000	10,000	
1" 1/4	200	30,000	60,000	15,000	30,000	21,000	15,000	15,000	31,500	15,000	15,000	15,000	31,500	15,000	15,000	
1" 3/8	240	31,000	62,000	21,000	42,000	29,400	21,000	21,000	44,100	21,000	21,000	21,000	44,100	21,000	21,000	
1" 1/2	240	31,000	62,000	22,000	44,000	30,800	22,000	22,000	46,200	22,000	22,000	22,000	46,200	22,000	22,000	
1" 3/4	300	33,000	66,000	27,000	54,000	37,800	27,000	27,000	56,700	27,000	27,000	27,000	56,700	27,000	27,000	
2"	450	50,000	100,000	38,000	76,000	53,200	38,000	38,000	79,800	38,000	38,000	38,000	79,800	38,000	38,000	
2" 1/2	450	55,000	110,000	48,500	97,000	67,900	48,500	48,500	101,850	48,500	48,500	48,500	101,850	48,500	48,500	
2" 3/4	520	60,000	120,000	60,000	120,000	84,000	60,000	60,000	126,000	60,000	60,000	60,000	126,000	60,000	60,000	
3"	520	64,000	128,000	64,000	128,000	89,600	64,000	64,000	134,400	64,000	64,000	64,000	134,400	64,000	64,000	
3" 1/4	590	72,000	144,000	72,000	144,000	100,800	72,000	72,000	151,200	72,000	72,000	72,000	151,200	72,000	72,000	
3" 1/2	665	76,000	152,000	76,000	152,000	106,400	76,000	76,000	159,600	76,000	76,000	76,000	159,600	76,000	76,000	
3" 3/4	740	80,000	160,000	80,000	160,000	112,000	80,000	80,000	168,000	80,000	80,000	80,000	168,000	80,000	80,000	
4"	740	88,000	176,000	88,500	176,000	123,200	88,500	88,000	184,800	88,000	88,000	88,000	184,800	88,000	88,000	
3/8"	8	2,800	5,600	1,200	2,400	1,680	1,200	1,200	2,520	1,200	1,200	1,200	2,520	1,200	1,200	
1/2"	12	3,800	7,600	1,800	3,600	2,520	1,800	1,800	3,780	1,800	1,800	1,800	3,780	1,800	1,800	
5/8"	40	7,000	14,000	3,200	6,400	4,480	3,200	3,200	6,720	3,200	3,200	3,200	6,720	3,200	3,200	
3/4"	80	12,000	24,000	4,750	9,500	6,650	4,750	4,750	9,975	4,750	4,750	4,750	9,975	4,750	4,750	
1"	125	15,000	30,000	7,500	15,000	10,500	7,500	7,500	15,750	7,500	7,500	7,500	15,750	7,500	7,500	
1" 1/4	200	19,000	38,000	12,200	24,400	17,080	12,200	12,200	25,620	12,200	12,200	12,200	25,620	12,200	12,200	
1" 1/2	240	25,000	50,000	20,000	40,000	28,000	20,000	20,000	42,000	20,000	20,000	20,000	42,000	20,000	20,000	

5:1



DSR



DSS



MEGA.DSS



SEB

LOAD ANGLE CHART

SUMMARY METRIC

β max : 60°
L : Load

max. load in t

Lifting Type	1		2		1		2		2		3 → 4			
	0°	90°	0°	90°	0°	90°	0° → 45°	46° → 60°	Asymmetric	0° → 45°	46° → 60°	Asymmetric		
Number of rings	1		2		1		2		2		3 → 4			
Lifting angle β	0°		0°		90°		90°		0° → 45°		46° → 60°		Asymmetric	
Size	Torque (Nm)													
M 6	0,25	0,50	0,50	0,50	0,15	0,30	0,21	0,15	0,15	0,31	0,15	0,15	0,15	0,15
M 8	0,50	1,00	1,00	0,60	0,30	0,60	0,42	0,30	0,30	0,63	0,30	0,30	0,30	0,30
M 10	0,90	1,80	1,80	1,00	0,50	1,00	0,70	0,50	0,50	1,05	0,50	0,50	0,50	0,50
M 12	1,00	2,00	2,00	1,60	0,80	1,60	1,12	0,80	0,80	1,68	0,80	0,80	0,80	0,80
M 14	1,60	3,20	3,20	2,00	1,00	2,00	1,40	1,00	1,00	2,10	1,00	1,00	1,00	1,00
M 16	1,90	3,80	3,80	3,00	1,50	3,00	2,10	1,50	1,50	3,15	1,50	1,50	1,50	1,50
M 18	1,90	3,80	3,80	3,00	1,50	3,00	2,10	1,50	1,50	3,15	1,50	1,50	1,50	1,50
M 20	1,90	3,80	3,80	3,20	1,60	3,20	2,24	1,60	1,60	3,36	1,60	1,60	1,60	1,60
M 22	3,50	7,00	7,00	4,40	2,20	4,40	3,08	2,20	2,20	4,62	2,20	2,20	2,20	2,20
M 24	3,50	7,00	7,00	5,40	2,70	5,40	3,78	2,70	2,70	5,67	2,70	2,70	2,70	2,70
M 27	3,60	7,20	7,20	5,80	2,90	5,80	4,06	2,90	2,90	6,09	2,90	2,90	2,90	2,90
M 30	3,70	7,40	7,40	7,00	3,50	7,00	4,90	3,50	3,50	7,35	3,50	3,50	3,50	3,50
M 24	2,70*	5,40*	5,40*	5,40*	2,70*	5,40*	3,78*	2,70*	2,70*	5,67*	2,70*	2,70*	2,70*	2,70*
M 30	3,50*	7,00*	7,00*	7,00*	3,50*	7,00*	4,90*	3,50*	3,50*	7,35*	3,50*	3,50*	3,50*	3,50*
M 33	3,50*	7,00*	7,00*	7,00*	3,50*	7,00*	4,90*	3,50*	3,50*	7,35*	3,50*	3,50*	3,50*	3,50*
M 36	5,00*	10,00*	10,00*	10,00*	5,00*	10,00*	7,00*	5,00*	5,00*	10,50*	5,00*	5,00*	5,00*	5,00*
M 36x3	5,00*	10,00*	10,00*	10,00*	5,00*	10,00*	7,00*	5,00*	5,00*	10,50*	5,00*	5,00*	5,00*	5,00*
M 39	5,00*	10,00*	10,00*	10,00*	5,00*	10,00*	7,00*	5,00*	5,00*	10,50*	5,00*	5,00*	5,00*	5,00*
M 42	6,00*	12,00*	12,00*	12,00*	6,00*	12,00*	8,40*	6,00*	6,00*	12,60*	6,00*	6,00*	6,00*	6,00*
M 42x3	6,00*	12,00*	12,00*	12,00*	6,00*	12,00*	8,40*	6,00*	6,00*	12,60*	6,00*	6,00*	6,00*	6,00*
M 45	6,00	12,00	12,00	12,00	6,00	12,00	8,40	6,00	6,00	12,60	6,00	6,00	6,00	6,00
M 48	6,40	12,80	12,80	12,80	6,40	12,80	8,96	6,40	6,40	13,44	6,40	6,40	6,40	6,40
M 48x3	6,40	12,80	12,80	12,80	6,40	12,80	8,96	6,40	6,40	13,44	6,40	6,40	6,40	6,40
M 48x4	6,40	12,80	12,80	12,80	6,40	12,80	8,96	6,40	6,40	13,44	6,40	6,40	6,40	6,40
M 52	6,40	12,80	12,80	12,80	6,40	12,80	8,96	6,40	6,40	13,44	6,40	6,40	6,40	6,40
M 56	8,00	16,00	16,00	16,00	8,00	16,00	11,20	8,00	8,00	16,80	8,00	8,00	8,00	8,00
M 56x4	8,00	16,00	16,00	16,00	8,00	16,00	11,20	8,00	8,00	16,80	8,00	8,00	8,00	8,00
M 12	0,55*	1,10*	1,10*	1,10*	0,55*	1,10*	0,77*	0,55*	0,55*	1,16*	0,55*	0,55*	0,55*	0,55*
M 16	1,20*	2,40*	2,40*	2,40*	1,20*	2,40*	1,68*	1,20*	1,20*	2,52*	1,20*	1,20*	1,20*	1,20*
M 20	1,50*	3,00*	3,00*	3,00*	1,50*	3,00*	2,10*	1,50*	1,50*	3,15*	1,50*	1,50*	1,50*	1,50*
M 24	2,50*	5,00*	5,00*	5,00*	2,50*	5,00*	3,50*	2,50*	2,50*	5,25*	2,50*	2,50*	2,50*	2,50*

4:1



SS.DSR

SS.DSS

SS.SEB

* In certification process with higher WLL / En cours d'homologation avec CMU plus élevée / In Entwicklungsphase mit höheren Tragfähigkeitswerten / En proceso de homologación con una CMU más elevada

LOAD ANGLE CHART

SUMMARY UNC

β max : 60°
L : Load

max. load in lbs	Lifting Type	1		2		1		2		2		3 → 4	
		0°	90°	0°	90°	90°	0° → 45°	46° → 60°	Asymmetric	0° → 45°	46° → 60°	Asymmetric	
Size	Lifting angle β	Torque (ft-lb)											
1/4"	3	850	1,700	500	1,000	700	500	500	1,050	500	500	1,050	500
5/16"	5	1,100	2,200	650	1,300	910	650	650	1,365	650	650	1,365	650
3/8"	8	1,800	3,600	1,000	2,000	1,400	1,000	1,000	2,100	1,000	1,000	2,100	1,000
1/2"	12	2,500	5,000	1,800	3,600	2,520	1,800	1,800	3,780	1,800	1,800	3,780	1,800
5/8"	40	4,500	9,000	3,000	6,000	4,200	3,000	3,000	6,300	3,000	3,000	6,300	3,000
3/4"	80	4,500	9,000	3,800	7,600	5,320	3,800	3,800	7,980	3,800	3,800	7,980	3,800
7/8"	90	8,500	17,000	5,100	10,200	7,140	5,100	5,100	10,710	5,100	5,100	10,710	5,100
1"	125	8,500	17,000	6,000	12,000	8,400	6,000	6,000	12,600	6,000	6,000	12,600	6,000
1"	125	6,000*	12,000*	6,000*	12,000*	8,400*	6,000*	6,000*	12,600*	6,000*	6,000*	12,600*	6,000*
1" 1/4	200	7,500*	15,000*	7,500*	15,000*	10,500*	7,500*	7,500*	15,750*	7,500*	7,500*	15,750*	7,500*
1" 3/8	240	7,500*	15,000*	7,500*	15,000*	10,500*	7,500*	7,500*	15,750*	7,500*	7,500*	15,750*	7,500*
1" 1/2	240	11,000*	22,000*	11,000*	22,000*	15,400*	11,000*	11,000*	23,100*	11,000*	11,000*	23,100*	11,000*
2"	450	14,000	28,000	14,000	28,000	19,600	14,000	14,000	29,400	14,000	14,000	29,400	14,000

4:1



SS.DSR



SS.DSS

* In certification process with higher WLL / En cours d'homologation avec CMU plus élevée / In Entwicklungsphase mit höheren Tragfähigkeitswerten / En proceso de homologación con una CMU más elevada

LOAD ANGLE CHART

SUMMARY METRIC

β max : 60°
L : Load

max. load in t	Lifting Type	1		2		1		2		2		3 → 4	
		0°	90°	0°	90°	0° → 45°	90°	0° → 45°	Asymmetric	0° → 45°	Asymmetric	46° → 60°	Asymmetric
Size	Torque (Nm)												
M 6	4	0,20	0,10	0,40	0,20	0,14	0,10	0,10	0,10	0,21	0,10	0,10	0,10
M 8	6	0,40	0,30	0,80	0,60	0,42	0,30	0,30	0,30	0,63	0,30	0,30	0,30
M 10	10	0,70	0,50	1,40	1,00	0,70	0,50	0,50	0,50	1,05	0,50	0,50	0,50
M 12	15	0,90	0,80	1,80	1,60	1,12	0,80	0,80	0,80	1,68	0,80	0,80	0,80
M 14	30	1,20	1,00	2,40	2,00	1,40	1,00	1,00	1,00	2,10	1,00	1,00	1,00
M 16	50	1,50	1,40	3,00	2,80	1,96	1,40	1,40	1,40	2,94	1,40	1,40	1,40
M 18	70	1,50	1,40	3,00	2,80	1,96	1,40	1,40	1,40	2,94	1,40	1,40	1,40
M 20	100	1,50	1,40	3,00	2,80	1,96	1,40	1,40	1,40	2,94	1,40	1,40	1,40
M 22	120	2,80	2,20	5,60	4,40	3,08	2,20	2,20	2,20	4,62	2,20	2,20	2,20
M 24	160	2,80	2,70	5,60	5,40	3,78	2,70	2,70	2,70	5,67	2,70	2,70	2,70
M 27	200	2,90	2,80	5,80	5,60	3,92	2,80	2,80	2,80	5,88	2,80	2,80	2,80
M 30	250	3,00	3,00	6,00	6,00	4,20	3,00	3,00	3,00	6,30	3,00	3,00	3,00
M 24	160	2,70	2,70	5,40	5,40	3,78	2,70	2,70	2,70	5,67	2,70	2,70	2,70
M 30	250	3,50	3,50	7,00	7,00	4,90	3,50	3,50	3,50	7,35	3,50	3,50	3,50
M 33	250	3,50	3,50	7,00	7,00	4,90	3,50	3,50	3,50	7,35	3,50	3,50	3,50
M 36	320	5,00	5,00	10,00	10,00	7,00	5,00	5,00	5,00	10,50	5,00	5,00	5,00
M 36x3	320	5,00	5,00	10,00	10,00	7,00	5,00	5,00	5,00	10,50	5,00	5,00	5,00
M 39	320	5,00	5,00	10,00	10,00	7,00	5,00	5,00	5,00	10,50	5,00	5,00	5,00
M 42	400	6,00	6,00	12,00	12,00	8,40	6,00	6,00	6,00	12,60	6,00	6,00	6,00
M 42x3	400	6,00	6,00	12,00	12,00	8,40	6,00	6,00	6,00	12,60	6,00	6,00	6,00
M 12	15	0,55	0,55	1,10	1,10	0,77	0,55	0,55	0,55	1,15	0,55	0,55	0,55
M 16	50	1,20	1,20	2,40	2,40	1,68	1,20	1,20	1,20	2,52	1,20	1,20	1,20
M 20	100	1,50	1,50	3,00	3,00	2,10	1,50	1,50	1,50	3,15	1,50	1,50	1,50
M 24	100	2,50	2,50	5,00	5,00	3,50	2,50	2,50	2,50	5,25	2,50	2,50	2,50

5:1



SS.DSR



SS.DSS



SS.SEB

LOAD ANGLE CHART

SUMMARY UNC

β max : 60°
L : Load



max. load in lbs

Lifting Type	1		2		1		2		2		3 → 4	
	0°	90°	0°	90°	0° → 45°	46° → 60°	Asymmetric	0° → 45°	46° → 60°	Asymmetric	0° → 45°	46° → 60°
Number of rings	1	2	1	2	1	2	2	2	2	2	2	2
Lifting angle β	0°	0°	90°	90°	0° → 45°	46° → 60°	Asymmetric	0° → 45°	46° → 60°	Asymmetric	0° → 45°	46° → 60°
Size	Torque (ft-lb)											
1/4"	650	1,300	400	800	560	400	400	840	400	400	840	400
5/16"	900	1,800	600	1,200	840	600	600	1,260	600	600	1,260	600
3/8"	1,400	2,800	1,000	2,000	1,400	1,000	1,000	2,100	1,000	1,000	2,100	1,000
1/2"	2,000	4,000	1,800	3,600	2,520	1,800	1,800	3,780	1,800	1,800	3,780	1,800
5/8"	3,500	7,000	2,500	5,000	3,500	2,500	2,500	5,250	2,500	2,500	5,250	2,500
3/4"	3,500	7,000	3,600	7,200	5,040	3,600	3,600	7,560	3,600	3,600	7,560	3,600
7/8"	7,000	14,000	5,000	10,000	7,000	5,000	5,000	10,500	5,000	5,000	10,500	5,000
1"	7,000	14,000	6,000	12,000	8,400	6,000	6,000	12,600	6,000	6,000	12,600	6,000
1"	6,000	12,000	6,000	12,000	8,400	6,000	6,000	12,600	6,000	6,000	12,600	6,000
1" 1/4	7,500	15,000	7,500	15,000	10,500	7,500	7,500	15,750	7,500	7,500	15,750	7,500
1" 3/8	7,500	15,000	7,500	15,000	10,500	7,500	7,500	15,750	7,500	7,500	15,750	7,500
1" 1/2	11,000	22,000	11,000	22,000	15,400	11,000	11,000	23,100	11,000	11,000	23,100	11,000

5:1



SS.DSR



SS.DSS

THREAD CHART - TABLEAU DE FILETAGE - GEWINDETABELLE - TABLA DE ROSCA

METRIC THREADS				OTHER THREADS										ROUND THREADS			CYLINDRICAL GAS THREADS (G or BSPP)		
SIZE	NOMINAL DIAMETER (in mm)	DISTANCE BETWEEN 2 THREADS (IN MM)		SIZE	NOMINAL DIAMETER		NUMBER OF THREADS PER INCH					THREAD PITCH	SIZE	NOMINAL DIAMETER (mm)	NUMBER OF THREADS PER INCH				
		STANDARD	FINER		UNC	UNF	UNJF	BSW	BSF	8 UN									
M 4	4	0.7	0.5													1/16" G	7,72	28	
M 5	5	0.8	0.5													1/8" G	9,73	28	
M 6	6	1	0.75	1/4"	0.25	6.35	20	28	28	20	26					1/4" G	13.16	19	
M 7	7	1	0.75																
M 8	8	1.25	0.75	9/32"	0.28	7.14	18	24	24	18	22					Rd8			
M 9	9	1.25	0.75	5/16"	0.31	7.95	18	24	24	18	22					Rd9			
M 10	10	1.5	1	3/8"	0.38	9.56	16	24	24	16	20					Rd10	16.66	19	
M 11	11	1.5	1	7/16"	0.43	10.92	14	20	20	14	18					Rd11			
M 12	12	1.75	1	1/2"	0.50	12.70	13	20	20	12	16					Rd12	20.96	14	
M 14	14	2	1	9/16"	0.56	14.22	12	18	18	12	16					Rd14			
M 15	15	2	1	5/8"	0.63	15.88	11	18	18	11	14					5/8" G	22.91	14	
M 16	16	2	1	11/16"	0.69	17.48	11	16	16	10	12					Rd16			
M 17	17	2.5	1	3/4"	0.75	19.05	10	16	16	10	12					3/4" G	26.44	14	
M 18	18	2.5	1	7/8"	0.81	20.65	9	14	14	9	11					Rd18			
M 20	20	2.5	1	1"	0.88	22.23	8	12/14	12	8	10					Rd20	30.2	14	
M 22	22	3	1	1 1/8"	1.00	25.40	8	12	12	8	10					Rd22	33.25	11	
M 24	24	3	1	1 1/4"	1.13	28.58	7	12	12	7	9					1" G	37.9	11	
M 25	25	3	1	1 1/4"	1.26	31.75	7	12	12	7	9					1 1/8 G	41.91	11	
M 27	27	3	1	1 3/8"	1.38	34.93	6	12	12	6	8					1 1/4 G	44.32	11	
M 28	28	3.5	1	1 1/2"	1.50	38.10	6	12	12	6	8					1 1/2 G	47.8	11	
M 30	30	3.5	1	1 5/8"	1.63	41.28	5	8	8	5	8					Rd30			
M 32	32	3.5	1	1 3/4"	1.75	44.45	5	7	7	5	7					Rd32	53.75	11	
M 33	33	3.5	1	1 7/8"	1.88	47.63	4.5	8	8	4.5	8					1 3/4 G			
M 35	35	4	1.5	2"	2.00	50.80	4.5	7	7	4.5	8					Rd34			
M 36	36	4	1.5	2 1/4"	2.25	57.15	4.5	6	6	4	6					2" G	59.61	11	
M 39	39	4	1.5	2 1/2"	2.50	63.50	4	6	6	4	6					2 1/4 G	65.71	11	
M 40	40	4.5	1.5	2 3/4"	2.75	69.85	4	6	6	3.5	6					2 1/2 G	75.18	11	
M 42	42	4.5	2	3"	3.00	76.20	4	5	5	3.5	5					2 3/4 G	81.53	11	
M 45	45	4.5	2	3 1/4"	3.25	82.55	4	5	5	3.25	5					3" G	87.88	11	
M 48	48	5	2	3 1/2"	3.50	88.90	4	4.5	4.5	3.25	4.5					3 1/4 G	93.98	11	
M 50	50	5	2	3 3/4"	3.75	95.25	4	4	4	3.25	4.5					3 1/2 G	100.33	11	
M 52	52	5	2	4"	4		4			3	4.5					Rd48			
M 55	55	5.5	2							3	4.5					Rd50			
M 56	56	5.5	2													Rd52			
M 58	58	5.5	2													Rd55			
M 60	60	6	2													Rd58			
M 62	62	6	2													Rd60			
M 64	64	6	2													Rd62			
M 65	65	6	2																
M 68	68	6	2																
M 70	70	6	2																
M 72	72	6	2																
M 75	75	6	2																
M 76	76	6	2																
M 80	80	6	2																
M 85	85	6	2																
M 90	90	6	2																
M 95	95	6	2																
M 100	100	6	2																



1	In stock / En stock / Auf Lager / En stock
1	Lead Time: max. 5 days - delivery time excluded / Délai max. 5 jours hors transport / Lieferzeit: 5 Werktage ohne Transport / Plazo max. 5 días laborales sin transporte
✓	Different threads pitch available / Plusieurs pas disponibles / Mehrere Gewindesteigungen erhältlich / Varios pasos disponibles

Non-exhaustive list ; for the feasibility of a thread type not included in this table do not hesitate to contact CODIPRO
 Liste non exhaustive ; pour la faisabilité d'un filetage non repris dans ce tableau, n'hésitez pas à contacter CODIPRO
 Liste nicht vollständig ; bei Gewindearten, die nicht aufgeführt sind, kontaktieren Sie CODIPRO
 Para una rosca que no figura en la tabla, por favor, contáctenos ya que la lista retoma solo una parte de las rosca posibles.

LEGENDE

1. Technische Informationen

2. Qualität und Zertifizierung

3. Service

LEGEND

1. Technical Information

2. Quality & certification

3. Service

	GRADUP-Stahl Wirbelingschraube			GRADUP steel ring	
	Drehbar unter Last			Swiveling under load	
	360° drehbar			360° rotation	
	180° schwenkbar			180° articulation	
	Sicherheitsfaktor 5			Safety factor of 5:1	
	Sicherheitsfaktor 4			Safety factor of 4:1	
	Verzinkung			Zinc-coating	
	100% rissgeprüfte Wirbelingschrauben			Control anti-crack on 100% of products	
	Lastwechseltest			Fatigue test	
	Edelstahl			Stainless Steel	
	PSA-Anschlagpunkt			Ring for fall protection	
	Zwei Verschraubungsmöglichkeiten			Two ways of tightening	
	Zulässiger Temperaturbereich von -20°C bis +200°C			Material developed for temperature between -20°C and +200°C	
	Innengewinde			Female version	
	Außengewinde			Male version	
	Höchstbelastung bis zu 125 Tonnen			WLL up to 125 tons	
	Metrisches Gewinde			Metrical thread	
	Zollgewinde			UNC thread	
	Schmiedeteile			Forging production	
	Einsatz als Zurrpunkt möglich			Possible use for lashing	
	Kontrolle			Visual control	
	Langzeitfettung			Permanent lubrication	
	Zentrierung auf Wunsch			Centring version available on request	
	Individueller Rückverfolgbarkeitscode			Individual traceability number	

LEYENDA

● 1. Información técnica

● 2. Calidad y certificación

● 3. Servicio

LÉGENDE

● 1. Information technique

● 2. Qualité & certification

● 3. Service

	Cáncamo de acero GRADUP		Otras opciones disponibles bajo solicitud		Anillo d'acier GRADUP		Autres variantes disponibles sur demande
	Rotación bajo carga		Producción por unidad		Retournement sous charge		Production possible à l'unité
	Rotación a 360°		Garantía de plazo de entrega corto		Rotation à 360°		Livraison rapide garantie
	Articulación a 180°		Control y reparaciones posibles por Codipro		Articulation à 180°		Contrôle et remise en état
	Coefficiente de seguridad 5:1		Llave de fijación		Coefficient de sécurité 5:1		Embout de serrage SEB
	Coefficiente de seguridad 4:1		Clips de sujeción disponibles bajo solicitud		Coefficient de sécurité 4:1		Clips de maintien disponibles sur demande
	Galvanización		Herramienta de trazabilidad (propio al izaje) disponible bajo solicitud		Zingage		Outil de gestion de traçabilité (spécialisé pour le levage) disponible sur demande
	100% de nuestros cáncamos están aprobados anti fisuras		Carta comercial		100% des anneaux testés anti-fissures		Charte commerciale
	Prueba de fatiga		Formación tecnico-commercial disponible bajo solicitud		Test de fatigue		Formation technico-commerciale disponible sur demande
	Acero inoxidable		Aplicación disponible en Android		Acier inoxydable		Application disponible sur Android
	Cáncamo anti caídas para seguridad de las personas		Aplicación disponible en Apple		Anillo pour la sécurité des personnes		Application disponible sur Apple
	Doble posibilidad de fijación		Portal distribuidor/Extranet		Double possibilité de serrage		Portail distributeur/Extranet
	Material concebido para temperaturas de uso de -20°C hasta +200°C		Presencia a nivel mundial		Matériel conçu pour une température d'utilisation entre -20°C et +200°C		Présence mondiale
	Versión hembra		Empaque individual		Version femelle		Emballage individuel
	Versión macho		RFID disponible bajo solicitud		Version mâle		RFID disponible sur demande
	CMU hasta 125 toneladas		Fichero 3D disponible para descargar		CMU Jusque 125 tonnes		Téléchargement 3D disponible
	Versión métrica		Cada cáncamo viene con su manual de instrucciones y certificado de conformidad		Version métrique		Chaque anneau est livré avec notice d'instruction et certificat de conformité
	Versión UNC		Entrega con certificado de conformidad		Version UNC		Livraison avec certificat de conformité
	Producción en forja		Certificado ISO 9001		Production en forge		Certifié ISO 9001
	Posibilidad de uso para estibar		Certificado ISO 14001		Utilisation pour arrimage possible		Certifié ISO 14001
	Control visual		Hecho en Luxemburgo		Contrôle visuel		Fabrique au Luxembourg
	Engrase permanente		Puesto a prueba según la norma EN 1677-1		Graissage permanent		Testé selon la norme EN 1677-1
	Versión con centrado disponible bajo solicitud		Conforme a la norma EN 795:2012		Version avec centrage disponible sur demande		Conforme à la norme EN 795:2012
	Codigo de trazabilidad individual		Code de trazabilidad individual				