

# TSR



## LOAD ANGLE CHART

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

L : Load

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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°				
TSR M 8	6	0,40	0,80	0,40	0,80	0,56	0,40	0,40	0,84	0,60	0,40			
TSR M 10	10	0,70	1,40	0,70	1,40	0,98	0,70	0,70	1,47	1,05	0,70			
TSR M 12	15	1,05	2,10	1,05	2,10	1,47	1,05	1,05	2,21	1,58	1,05			
TSR M 14	30	1,40	2,80	1,40	2,80	1,96	1,40	1,40	2,94	2,10	1,40			
TSR M 16	50	2,00	4,00	2,00	4,00	2,80	2,00	2,00	4,20	3,00	2,00			
TSR M 18	70	2,30	4,60	2,30	4,60	3,22	2,30	2,30	4,83	3,45	2,30			
TSR M 20	100	2,50	5,00	2,50	5,00	3,50	2,50	2,50	5,25	3,75	2,50			
TSR M 22	120	3,00	6,00	3,00	6,00	4,20	3,00	3,00	6,30	4,50	3,00			
TSR M 24	160	4,00	8,00	4,00	8,00	5,60	4,00	4,00	8,40	6,00	4,00			
TSR M 27	200	5,00	10,00	5,00	10,00	7,00	5,00	5,00	10,50	7,50	5,00			
TSR M 30	250	6,30	12,60	6,30	12,60	8,82	6,30	6,30	13,23	9,45	6,30			
TSR M 36	320	10,00	20,00	10,00	20,00	14,00	10,00	10,00	21,00	15,00	10,00			
TSR M 42	400	12,50	25,00	12,50	25,00	17,50	12,50	12,50	26,25	18,75	12,50			
TSR M 48	600	20,00	40,00	20,00	40,00	28,00	20,00	20,00	42,00	30,00	20,00			
TSR M 56	600	22,00	44,00	22,00	44,00	30,80	22,00	22,00	46,20	33,00	22,00			

max. load in t

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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°				
TSR U 516	7	1,000	2,000	1,000	2,000	1,400	1,000	1,000	2,100	1,500	1,000			
TSR U 038	8	1,300	2,600	1,300	2,600	1,820	1,300	1,300	2,730	1,950	1,300			
TSR U 050	12	2,400	4,800	2,400	4,800	3,360	2,400	2,400	5,040	3,600	2,400			
TSR U 058	40	3,900	7,800	3,900	7,800	5,460	3,900	3,900	8,190	5,850	3,900			
TSR U 075	80	5,250	10,500	5,250	10,500	7,350	5,250	5,250	11,025	7,875	5,250			
TSR U 078	90	6,600	13,200	6,600	13,200	9,240	6,600	6,600	13,860	9,900	6,600			
TSR U 100	125	10,000	20,000	10,000	20,000	14,000	10,000	10,000	21,000	15,000	10,000			
TSR U 125	200	14,000	28,000	14,000	28,000	19,600	14,000	14,000	29,400	21,000	14,000			
TSR U 150	240	20,000	40,000	20,000	40,000	28,000	20,000	20,000	42,000	30,000	20,000			
TSR U 200	450	50,000	100,000	50,000	100,000	70,000	50,000	50,000	105,000	75,000	50,000			

max. load in lbs

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