

TRT™ - RAPID-TORC TENSIONERS & LOAD FOR B7 or L7 STUDS) AT 50% YIELD

API 6A & 17D Weld Neck Flanges - Taper-Lock Weld Neck Flanges -

Stud Diameter		A.F.	A.F.	Load	Load	TENSIONERS RAPID-TORC		Hydraulic Area		Max. Piston Stroke		Weight		Height		O.D.	
in	mm	in	mm	KN	lbf	Bolt Stress - 52.5 ksi or 360 Mpa		in ²	mm ²	in	mm	lbs	kg	in	mm	in	mm
Specification for Wellhead and Christmas Tree Equipment						Stud Yield Point 105 ksi or 720 Mpa											
Source: Api 6-A, 19th Edition Appendix D, Table D1 & D2						Stud Quality B7 - L7											
ANSI - API 6A - ISO 10423:2003 (Modified) Feb 1st, 2005						Recommended TRT Tensioner™											
1"		1 5/8"		141	31802	TRT2 A - 456 Kn - 102.660 lbs		4.72	3045	0.59	15	12.8	5.8	6.34	168	4.23	107
	M27		41mm			TRT2 A - 456 Kn - 102.660 lbs		4.72	3045	0.59	15	12.8	5.8	6.34	168	4.23	107
1 1/8"		1 13/16"		184	41499	TRT2 A - 456 Kn - 102.660 lbs		4.72	3045	0.59	15	12.8	5.8	6.34	168	4.23	107
	M30		46mm			TRT2 A - 456 Kn - 102.660 lbs		4.72	3045	0.59	15	12.8	5.8	6.34	168	4.23	107
1 1/4"		2"		232	52484	TRT2 A - 456 Kn - 102.660 lbs		4.72	3045	0.59	15	12.8	5.8	6.34	168	4.23	107
	M33		50mm			TRT2 B - 456 Kn - 102.660 lbs		4.72	3045	0.59	15	12.8	5.8	6.34	168	4.23	107
1 3/8"		2 3/16"		286	64759	TRT2 B - 456 Kn - 102.660 lbs		4.72	3045	0.59	15	12.8	5.8	6.34	168	4.23	107
	M36		55mm			TRT2 B - 456 Kn - 102.660 lbs		4.72	3045	0.59	15	12.8	5.8	6.34	168	4.23	107

1 1/2"		2 3/8"		346	78322	TRT4 A - 1002 Kn - 225.330 lbs		10.36	6684	0.59	15	21.4	9.7	7.65	179	5.74	146
	M39		60mm			TRT4 A - 1002 Kn - 225.330 lbs		10.36	6684	0.59	15	21.4	9.7	7.65	179	5.74	146
1 5/8"		2 9/16"		412	93173	TRT4 A - 1002 Kn - 225.330 lbs		10.36	6684	0.59	15	21.4	9.7	7.65	179	5.74	146
	M42		65mm			TRT4 A - 1002 Kn - 225.330 lbs		10.36	6684	0.59	15	21.4	9.7	7.65	179	5.74	146
1 3/4"		2 3/4"		484	109313	TRT4 B - 1002 Kn - 225.330 lbs		10.36	6684	0.59	15	21.4	9.7	7.65	179	5.74	146
	M45		70mm			TRT4 B - 1002 Kn - 225.330 lbs		10.36	6684	0.59	15	21.4	9.7	7.65	179	5.74	146
1 7/8"		2 15/16"		561	126741	TRT4 B - 1002 Kn - 225.330 lbs		10.36	6684	0.59	15	21.4	9.7	7.65	179	5.74	146
	M48		75mm			TRT4 B - 1002 Kn - 225.330 lbs		10.36	6684	0.59	15	21.4	9.7	7.65	179	5.74	146
2"		3 1/8"		644	145458	TRT4 B - 1002 Kn - 225.330 lbs		10.36	6684	0.59	15	21.4	9.7	7.65	179	5.74	146

	M52		80mm			TRT6 A - 1515 Kn - 340.605 lbs		15.66	10100	0.59	15	34.7	15.7	7.85	199	7.23	187
	M56		85mm			TRT6 A - 1515 Kn - 340.605 lbs		15.66	10100	0.59	15	34.7	15.7	7.85	199	7.23	187
2 1/4"		3 1/2"		826	186758	TRT6 B - 1515 Kn - 340.605 lbs		15.66	10100	0.59	15	34.7	15.7	7.85	199	7.23	187
	M60		90mm			TRT6 B - 1515 Kn - 340.605 lbs		15.66	10100	0.59	15	34.7	15.7	7.85	199	7.23	187
2 1/2"		3 7/8"		1,032	233212	TRT6 B - 1515 Kn - 340.605 lbs		15.66	10100	0.59	15	34.7	15.7	7.85	199	7.23	187
	M64		95mm			TRT6 B - 1515 Kn - 340.605 lbs		15.66	10100	0.59	15	34.7	15.7	7.85	199	7.23	187
2 5/8"		4 1/16"		1,040	233765	TRT6 B - 1515 Kn - 340.605 lbs		15.66	10100	0.59	15	34.7	15.7	7.85	199	7.23	187
	M68		100mm			TRT6 B - 1515 Kn - 340.605 lbs		15.66	10100	0.59	15	34.7	15.7	7.85	199	7.23	187

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Source: Api 6-A, 19th Edition Appendix D, Table D1 & D2						Stud Quality B7 - L7											
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2 3/4"		4 1/4"		1,146	257694	TRT8 - 2470 Kn - 555.277 lbs		25,53	16470	0.59	15	87,5	39,7	9,02	229	8,75	222
	M72		105mm			TRT8 - 2470 Kn - 555.277 lbs		25,53	16470	0.59	15	87,5	39,7	9,02	229	8,75	222
3"		4 5/8"		1,375	309050	TRT8 - 2470 Kn - 555.277 lbs		25,53	16470	0.59	15	87,5	39,7	9,02	229	8,75	222
3 1/4"		5"		1,624	365070	TRT8 - 2470 Kn - 555.277 lbs		25,53	16470	0.59	15	87,5	39,7	9,02	229	8,75	222
	M85		135mm			TRT8 - 2470 Kn - 555.277 lbs		25,53	16470	0.59	15	87,5	39,7	9,02	229	8,75	222
3 1/2"		5 3/8"		1,899	426891	TRT8 - 2470 Kn - 555.277 lbs		25,53	16470	0.59	15	87,5	39,7	9,02	229	8,75	222
	M90		140mm			TRT8 - 2470 Kn - 555.277 lbs		25,53	16470	0.59	15	87,5	39,7	9,02	229	8,75	222

	M95		145mm			TRT9 - 3304 Kn - 742.760 lbs		34,15	22030	0.59	15	115	52,3	9,53	242	10,25	260
3 3/4"		5 3/4"		2,185	491099	TRT9 - 3304 Kn - 742.760 lbs		34,15	22030	0.59	15	115	52,3	9,53	242	10,25	260
3 7/8"		5 15/16"		2,338	525521	TRT9 - 3304 Kn - 742.760 lbs		34,15	22030	0.59	15	115	52,3	9,53	242	10,25	260
	M100		155mm			TRT9 - 3304 Kn - 742.760 lbs		34,15	22030	0.59	15	115	52,3	9,53	242	10,25	260
4"		6 1/8"		2,496	561108	TRT9 - 3304 Kn - 742.760 lbs		34,15	22030	0.59	15	115	52,3	9,53	242	10,25	260

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