

Material	Type thread	Beginning of bending [N]	fracture load [N]	Test and mounting conditions [N]	permissible load [N] in working order, according to AD-A5 appendix. 2									
					68°F 20°C	212°F 100°C	302°F 150°C	392°F 200°C	482°F 250°C	572°F 300°C	662°F 350°C	752°F 400°C	842°F 450°C	932°F 500°C
42CrMo4 / 1.7225 DIN EN 10269 acc. AD 2000-Merkblatt W 7/1	M12-L	64680	84000	19496	14081	13541	13058	12345	11612	10840	9992	9162	8101	7233
	M12-L2	61800	73800	16917	12218	11749	11331	10712	10076	9406	8670	7950	7030	6276
	M16-K	97060	148980	36478	26346	25335	24433	23098	21726	20283	18695	17143	15158	13534
	M16-L	109500	153900	40520	29260	28530	27430	26010	24390	22760	21060	19310	17070	15240
	M16-L2	114900	138900	47060	34600	33270	32090	30330	28530	26640	24550	22510	19900	17770
	M16-LS	101300	144800	38594	27874	26804	25850	24437	22986	21459	19779	18137	16037	14319
	M20-K	180600	239100	75480	53870	51804	49959	47229	44425	41473	38226	35053	30994	27673
	M20-L	136860	230980	60809	43919	42234	40730	38504	36218	33811	31164	28577	25268	22561
	M20-L2	179100	231300	77980	56320	54160	52230	49380	46450	43360	39970	36650	32400	29930
	M24-K	223200	352800	100081	72281	69508	67033	63369	59607	55646	51290	47032	41586	37130
	M24-L	220010	347780	93599	67602	65009	62693	59267	55748	52044	47969	43987	38894	34727
	M24-L2	226800	313200	107440	77492	74520	71866	67939	63905	59659	54988	50423	44585	39808
	M24-LS	228000	326760	102847	74281	71432	68888	65123	61256	57186	52709	48333	42737	38158
	M24-LT	228600	349080	100166	72345	69570	67092	63425	59659	55695	51335	47073	41623	37163
	M24-LX	219740	308420	92024	66464	63915	61639	58270	54810	51168	47162	43247	38240	34142
	M27-K	238200	436200	126798	91579	88067	84930	80289	75522	70503	64984	59589	52689	47044
	M27-L	330000	447600	154870	111850	107560	103720	98060	92230	86100	79360	72770	64350	57450
	M27-L2	291600	428180	134793	97353	93619	90285	85351	80283	74949	69081	63346	56012	50010
	M27-L3	307200	470400	149880	108330	104180	100470	94980	89340	83400	76870	70490	62350	55670
	M27-LS	317400	462000	143077	103333	99370	95831	90593	85214	79552	73324	67237	59452	53082
	M33-K	399340	473260	220065	158940	152844	147401	139345	131071	122362	112782	103420	91445	81647
	M33-L	427640	498540	232472	167901	161461	155711	147201	138461	129261	119141	109251	96601	86251
	M33-L2	389740	617160	208020	147900	142230	137160	129670	121970	113860	104950	96230	85090	75970
	M33-L3	474120	593180	246948	178370	171528	165419	156379	147094	137320	126569	116062	102624	91628
	M33-L4	371000	667200	208595	150600	144820	139665	132030	124190	115940	106860	97990	86660	77380
	M33-LX	462380	699800	238590	169760	165510	159620	150895	141935	132500	122130	111990	99130	88520
	M33-LY	425320	676480	212144	153219	147342	142095	134329	126353	117958	108723	99698	88154	78709
	1 1/4" BUN-L4	430800	655500	232190	167780	161340	155600	147090	138360	129170	119050	109170	96470	86140
X6CrNiMoTi17-12-2 / 1.4571 DIN EN 10222-5 acc. AD 2000-Merkblatt W 7/2	M10-K	14620	31040	2413	1743	1535	1469	1386	1303	1203	1162	1120	1096	1071
	M10-L	14840	32920	2437	1760	1550	1483	1400	1316	1215	1173	1131	1106	1081
	M12-L	37440	57640	5958	4303	3791	3627	3422	3217	2971	2869	2766	2705	2643
	M12-L2	19920	40944	4422	3194	2813	2692	2540	2388	2205	2129	2053	2007	1962
	M16-K	53700	98000	15474	11181	9949	9401	8945	8489	7987	7713	7485	7348	7211
	M16-L	54600	100960	16067	11611	10332	9763	9289	8815	8294	8009	7772	7630	7488
	M16-L2	61100	94020	14110	10191	8978	8589	8104	7619	7037	6794	6551	6406	6260
	M16-LS	62760	102660											
	M20-K	85100	153260											
	M20-L	68060	149220											
	M20-L2	72440	131000	24072	17386	15316	14654	13826	12998	12004	11590	11176	10928	10680
	M24-K	94480	186460	38055	27484	24212	23165	21856	20548	18977	18323	17668	17276	16883
	M24-L	92880	189720											
	M24-L2	97800	196660											
	M24-LS	119300	186600											
	M24-LX	120980	196360	52381	37830	33327	31886	30084	28283	26121	25220	24320	23779	23239
	M27-K	165740	265860											
	M27-L	158220	265600											
	M27-L2	186340	265340											
	M27-L3	134400	241200	59810	43200	38430	36320	34550	32790	30850	29790	28910	28200	27850
C3SE / 1.1181 DIN EN 10269 acc. AD 2000-Merkblatt W 7/1	M10-K	24800	33800	4230	3000	2700	2500	2300	2200	2100	-	-	-	-
	M10-L	17600	35700	4230	3000	2800	2600	2400	2200	2000	-	-	-	-

Note: Values of beginning of bending and fracture load are average values.