

Thread Size		1/4 - 20		5/16 - 18		3/8 - 16		7/16 - 14	
Bolt Length (mm)	Bolt Length (in)	Zn Plate	Phos&Oil	Zn Plate	Phos&Oil	Zn Plate	Phos&Oil	Zn Plate	Phos&Oil
12.7	1/2	5S-7349	0S-1614	8T-5391	1C-0569	8T-9371	4F-4879	----	----
15.88	5/8	8T-9364	2A-0762	5K-0906	2H-3755	5P-8167	0T-0102	----	----
19.05	3/4	4M-5281	0S-1615	4M-0061	0S-1617	5M-3062	0S-0509	7X-0307	5P-0060
22.22	7/8	1H-3337	4F-7957	8T-9043	2B-2695	5S-7379	0L-1351	7X-0272	3L-0526
25.4	1	8T-8908	0S-1616	4M-6425	0S-1618	4L-6454	0S-1594	8T-9380	0T-0318
28.58	1 1/8	6D-2928	9F-6580	6V-5782	4B-3388	8T-2502	1A-2029	8T-6973	4F-8965
31.75	1 1/4	7X-2501	7B-2742	6V-8918	1B-7182	9B-7237	0S-1588	8T-9382	0T-0320
34.92	1 3/8	8C-0617	2A-5546	8C-6561	1B-2790	5S-7382	3B-1915	7X-0308	3H-5368
38.1	1 1/2	4M-5282	9F-7022	8C-3121	1A-9579	4L-9337	0S-1591	8T-8916	0T-0772
44.45	1 3/4	5P-2675	1B-2713	7X-0440	1B-9575	5S-7383	0S-1571	8C-6877	0T-0768
50.8	2	8T-9367	8B-2377	8T-8911	2B-2694	8T-2501	0S-1590	7X-0310	0T-0319
57.15	2 1/4	8T-9368	1D-4533	8T-8912	1D-4538	8T-9377	0L-2070	7X-0311	1D-4707
63.5	2 1/2	7X-0264	1B-2714	5P-2955	1D-4539	4L-6459	0L-1143	7X-0312	1D-4703
69.85	2 3/4	7X-0265	2A-4781	7X-0274	1D-4540	8T-9101	0T-0573	7X-0313	1D-4556
76.2	3	7X-0266	4B-9365	4M-6424	1D-4541	8T-7008	0S-1619	7X-0314	4F-5192
82.55	3 1/4	7X-0267	8F-8178	7X-0275	1F-5842	8T-8915	0L-1352	7X-0315	3B-8428
88.9	3 1/2	7X-0268	3B-8695	7X-0276	1F-4111	7X-0290	0T-0065	7X-0316	7F-8698
95.25	3 3/4	8C-3793	8F-6302	7X-0277	4B-0831	7X-0291	0S-1608	7X-0317	9F-2491
101.6	4	7X-0269	8S-4710	7X-0278	4B-3903	8T-9378	8S-9191	7X-0318	4F-7226
107.95	4 1/4	----	----	7X-3351	8H-8769	8T-9379	0T-0055	7X-0319	2J-5907
114.3	4 1/2	----	8S-4711	7X-0473	3H-5932	7X-0292	1A-5964	7X-0456	4B-7220
120.65	4 3/4	----	4L-3776	7X-0279	3H-3243	7X-0293	1A-5183	7H-3472	----
127	5	8T-8909	1B-2716	7X-0280	1F-6296	7X-0294	5B-9603	7X-0320	5B-5059
139.7	5 1/2	7X-0271	1B-2717	7X-0281	5L-1761	7X-0296	5F-4899	7X-0321	8F-4197
152.4	6	----	1B-2718	5P-0059	----	8C-7323	1D-4706	7X-0322	8F-6419
165.1	6 1/2	----	4N-1761	7X-0282	4F-3508	7X-0300	4F-0411	3L-0742	----
177.8	7	113-4201	----	----	----	7X-0301	9F-8999	----	----
190.5	7 1/2	----	----	----	----	7X-0302	6B-1557	----	----
203.2	8	----	----	----	----	7X-0303	8F-6350	----	----
215.9	8 1/2	----	----	----	----	7X-0304	9F-2773	----	----
228.6	9	----	----	----	----	7X-0305	5F-6044	----	----
241.3	9 1/2	----	----	----	----	4H-3283	----	----	----
Washer-Hard OD / THK (mm)		8T-4205	5P-0537	8T-4224	9M-1974	8T-4896	5M-2894	8T-5360	5P-8244
		14.5 / 2		16 / 2		18.5 / 2.5		22.5 / 2.5	
Washer-Hard Oversize OD OD / THK (mm)		5P-4115	----	5P-4116	3E-4352	5P-1075	9X-6458	7X-0589	2S-0932
		19 / 2		20.5 / 2	20.5 / 2.5	22.5 / 3		28.5 / 5	
Nut		6V-8185	9S-8750	6V-8189	5S-0003	6V-8801	9S-8752	7X-0447	3S-1546
Locknut Metal		2D-6235	----	031-4155	----	2K-4973	----	6V-5729	----
Locknut Nylon		3E-9865	----	3E-9860	----	3K-6060	----	9M-5048	----
Nut-Weld Pilot Hole DIA (mm)		9F-6445	----	4K-9097	----	1F-0750	----	8K-7186	----
		10.5		12.5		13.8		17	

Thread Size		1/2 - 13		5/8 - 11		3/4 - 10		7/8 - 9	
Bolt Length (mm)	Bolt Length (in)	Zn Plate	Phos&Oil	Zn Plate	Phos&Oil	Zn Plate	Phos&Oil	Zn Plate	Phos&Oil
12.7	1/2	7X-0323	1K-6705	----	----	----	----	----	----
15.88	5/8	----	----	----	----	----	----	----	----
19.05	3/4	8T-9383	0S-1620	7X-0342	1H-9456	----	----	----	----
22.22	7/8	8T-9384	2H-3855	----	----	----	----	----	----
25.4	1	5P-2228	0S-1621	5C-6266	0S-1624	5C-7886	7H-2069	----	----
28.58	1 1/8	5C-6565	6H-1717	----	----	----	----	----	----
31.75	1 1/4	8T-8917	0S-1595	7X-0343	0S-1592	8T-9397	0S-1583	----	----
34.92	1 3/8	8C-4436	7B-3235	7X-0344	4B-4043	----	----	----	----
38.1	1 1/2	5P-2566	0S-1585	8T-9393	9X-6380	7X-0365	0S-1626	7X-0379	0T-0690
44.45	1 3/4	8T-8919	0S-1587	7X-0345	0S-1589	8T-9398	1A-0458	7X-0380	2H-3757
50.8	2	8T-4835	1A-1460	7X-0346	9X-8880	7X-0366	0L-1178	7X-0381	0S-1973
57.15	2 1/4	5P-2424	9X-8873	7X-0347	8S-9092	201-2184	2A-1538	7X-0382	9F-9522
63.5	2 1/2	7X-0325	9S-1366	201-7354	0S-1625	8T-8924	1A-8063	8T-9400	1D-4625
69.85	2 3/4	8T-9389	1A-5822	8C-6362	1A-8537	8C-6857	9X-8886	7X-0383	1D-4626
76.2	3	7X-0326	9X-8874	7X-0349	1B-4367	7X-0368	1D-4609	7X-0384	1D-4627
82.55	3 1/4	8T-8920	0V-0375	8T-9396	1D-4585	7X-0369	1D-4610	7X-0385	1D-4628
88.9	3 1/2	7X-0328	1D-4566	7X-0350	1D-4586	7X-0370	9X-8889	299-3436	1D-4629
95.25	3 3/4	8T-9391	1B-2886	7X-0351	0L-1169	7X-0371	7F-5227	7X-0453	9X-8894
101.6	4	6V-4432	0S-1573	7X-0352	0S-1569	8C-8842	1D-4612	7X-0387	1D-4630
107.95	4 1/4	7X-0331	1D-4569	7X-0353	1D-4588	7X-0372	0S-1756	7X-0455	1D-4631
114.3	4 1/2	7X-0332	8S-9089	7X-0354	1A-8651	8T-9311	0S-1627	7X-0388	1A-5576
120.65	4 3/4	7X-0333	9X-8876	7X-0355	1D-4590	8T-8925	3B-6753	7X-0389	4J-8622
127	5	7X-0334	9X-8877	7X-0356	1A-5405	7X-0375	1D-4614	7X-0390	9S-1351
139.7	5 1/2	7X-0336	1D-4572	7X-0358	1D-4593	7X-0373	1D-4615	7X-0391	1D-4634
152.4	6	7X-0338	1D-4574	7X-0359	1D-4595	8T-9312	1D-4616	7X-0392	9S-1322
165.1	6 1/2	7X-0340	231-4471	7X-0361	1D-4597	7X-0377	2B-1015	7X-0393	6J-1536
177.8	7	7X-0341	1A-7669	7X-0362	1D-4599	8T-9313	1D-4620	7X-0394	1D-5976
190.5	7 1/2	8T-9392	1A-0168	----	----	1J-8930	1D-4621	----	----
203.2	8	7X-0481	9S-1374	7X-0363	1B-7709	5P-4135	1D-4622	7X-0395	1D-6259
215.9	8 1/2	7X-0471	----	7X-0364	1D-4601	299-3399	1D-4623	7X-0396	3K-7127
228.6	9	7X-3189	6M-9613	7X-3184	2H-3756	7X-3179	1D-4624	7X-0397	6K-8739
241.3	9 1/2	----	----	7X-7890	1D-4602	----	----	----	----
254	10	----	----	----	6V-9608	8F-4225	----	7X-0398	2B-2391
Washer-Hard OD / THK (mm)		8T-4223	5P-8245	8T-4122	5P-8247	8T-4994	5P-8248	8C-6913	5P-8249
		25.5 / 3		32 / 3.5		36.5 / 3.5		41.5 / 4	
Washer-Hard Oversize OD OD / THK (mm)		5P-1076	7D-1649	7X-0515	2S-7593	7X-0582	5P-6652	----	----
		30 / 4		35 / 5		44.5 / 6		44.5 / 6	
Nut		6V-8188	1F-7958	7X-0448	4K-0367	6V-8182	2J-3506	7X-0449	2J-3505
Locknut Metal		1K-6872	----	3K-2889	----	1K-6870	----	6K-0545	----
Locknut Nylon		9X-0941	----	3E-9861	----	3E-9862	----	3E-9863	----
Nut-Weld Pilot Hole DIA (mm)		1F-0748	----	3J-5169	----	----	----	----	----
		18.5		20.5					

Thread Size		1 - 8		1-1/8 - 7		1-1/4 - 7		1-1/2 - 6	
Bolt Length (mm)	Bolt Length (in)	Zn Plate	Phos&Oil	Zn Plate	Phos&Oil	Zn Plate	Phos&Oil	Zn Plate	Phos&Oil
12.7	1/2	----	----	----	----	----	----	----	----
15.88	5/8	----	----	----	----	----	----	----	----
19.05	3/4	----	----	----	----	----	----	----	----
22.22	7/8	----	----	----	----	----	----	----	----
25.4	1	----	----	----	----	----	----	----	----
28.58	1 1/8	----	----	----	----	----	----	----	----
31.75	1 1/4	7X-0399	8S-4767	----	----	----	----	----	----
34.92	1 3/8	----	----	----	----	----	----	----	----
38.1	1 1/2	7X-0400	0V-0450	----	----	----	----	----	----
44.45	1 3/4	7X-0401	1J-7370	----	----	----	----	----	----
50.8	2	7X-0402	1J-5257	7X-0420	3J-8281	----	----	----	----
57.15	2 1/4	7X-0403	8S-9093	----	----	----	----	----	----
63.5	2 1/2	7X-0404	1D-4635	----	7J-7222	----	----	----	----
69.85	2 3/4	7X-0405	9S-1363	----	2K-2037	----	----	----	----
76.2	3	7X-0406	1D-4709	7X-0421	1J-2814	----	----	----	----
82.55	3 1/4	7X-0407	1D-4637	----	----	----	----	----	----
88.9	3 1/2	7X-0408	1D-4638	7X-0422	1J-2175	7X-0427	2B-1955	7X-0438	3J-1805
95.25	3 3/4	8T-8927	8H-5772	----	----	----	----	----	----
101.6	4	6C-3212	1D-4639	----	----	7X-0428	2H-3758	----	----
107.95	4 1/4	6C-3213	1D-4640	----	----	1S-6560	----	----	----
114.3	4 1/2	6C-3214	1D-4641	7X-0423	5M-0544	7X-0429	3R-2300	----	----
120.65	4 3/4	7X-0412	2A-1420	----	----	----	8F-1156	----	----
127	5	8C-8844	1D-4642	----	----	7X-0445	136-4188	7X-0439	1K-9414
139.7	5 1/2	7X-0443	1D-4643	----	----	7X-0430	1B-2721	----	----
152.4	6	1J-5929	9F-6936	7X-0425	8H-5727	7X-0431	2H-1537	288-8101	----
165.1	6 1/2	7X-0444	5B-5473	7X-0426	8T-4934	7X-0432	6H-1628	----	----
177.8	7	7X-0413	5F-9338	----	262-7250	7X-0433	----	----	----
190.5	7 1/2	7X-0414	2B-7218	127-4835	----	----	----	----	----
203.2	8	7X-0415	1D-4644	----	----	7X-0434	3F-9025	----	----
215.9	8 1/2	7X-0416	1D-4645	----	----	7X-0435	1J-6775	----	----
228.6	9	7X-0417	1D-4646	----	----	7X-0436	1K-9418	----	----
241.3	9 1/2	7X-0418	1D-4647	----	----	7X-0437	1K-9420	----	----
254	10	7X-0419	2J-8348	----	----	1D-4649	----	----	----
Washer-Hard OD / THK (mm)		8T-5361	5P-8250	7X-0531	3S-1349	7X-0533	4K-0684	7X-0537	3S-6162
		49 / 5		52.5 / 6		55 / 6		67 / 6	
Nut-Hex		6V-8190	2J-3507	329-3710	4J-5977	7X-0451	3K-9770	7X-0452	9S-8216
Locknut Metal		6K-3632	----	----	8D-9513	2J-5997	----	----	----
Locknut Nylon		3E-9864	----	----	----	----	----	----	----

Zn Flake



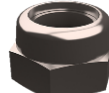
Phos & Oil



Hex Nut



Locknut



Weld Nut

