

# Metric Fasteners

Fasteners

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Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
42030	M6 x 1.0	933	20	50
42032	M6 x 1.0	933	25	50
MP42032	M6 x 1.0	933	25	25
42034	M6 x 1.0	933	30	50
MP42034	M6 x 1.0	933	30	25
42036	M6 x 1.0	933	35	50
MP42036	M6 x 1.0	933	35	25
42037	M6 x 1.0	933	40	50
MP42037	M6 x 1.0	933	40	25
42038	M6 x 1.0	931	45	50
MP42038	M6 x 1.0	931	45	25
42039	M6 x 1.0	931	50	50
MP42039	M6 x 1.0	931	50	25
C30952	M6 x 1.0	931	55	25
42041	M6 x 1.0	931	60	50
MP42041	M6 x 1.0	931	60	25
C30953	M6 x 1.0	931	65	25
42043	M6 x 1.0	931	70	50
MP42043	M6 x 1.0	931	70	25
-42043-2	M6 x 1.0	931	80	25
42044	M6 x 1.0	931	90	25
-42044-1	M6 x 1.0	931	100	25

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
42045	M7 x 1.0	933	12	50
MP42045	M7 x 1.0	933	12	25
42046	M7 x 1.0	933	16	50
42047	M7 x 1.0	933	20	50
MP42047	M7 x 1.0	933	20	25
-42047-1	M7 x 1.0	933	25	50
MP42047-1	M7 x 1.0	933	25	25
42048	M7 x 1.0	933	30	50
MP42048	M7 x 1.0	933	30	25
-42048-1	M7 x 1.0	933	35	50
MP42048-1	M7 x 1.0	933	35	25
42049	M7 x 1.0	933	40	50
MP42049	M7 x 1.0	933	40	25
-42049-1	M7 x 1.0	933	45	50
-42049-2	M7 x 1.0	933	50	50
MP42049-2	M7 x 1.0	933	50	10
C86208	M7 x 1.0	931	60	10
C86209	M7 x 1.0	931	70	10

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
42050	M8 x 1.25	933	10	50
42051	M8 x 1.25	933	12	50
MP42051	M8 x 1.25	933	12	25
-42051-14	M8 x 1.25	933	14	50
42052	M8 x 1.25	933	16	50
MP42052	M8 x 1.25	933	16	25
42053	M8 x 1.25	933	18	50
42054	M8 x 1.25	933	20	50
MP42054	M8 x 1.25	933	20	25
42055	M8 x 1.25	933	22	50
42056	M8 x 1.25	933	25	50
MP42056	M8 x 1.25	933	25	25
42058	M8 x 1.25	933	30	50
MP42058	M8 x 1.25	933	30	25
42060	M8 x 1.25	933	35	50
MP42060	M8 x 1.25	933	35	25
42061	M8 x 1.25	933	40	50
MP42061	M8 x 1.25	933	40	25
42062	M8 x 1.25	933	45	50
MP42062	M8 x 1.25	933	45	25
42063	M8 x 1.25	933	50	50
MP42063	M8 x 1.25	933	50	10
42064	M8 x 1.25	931	55	50
42065	M8 x 1.25	931	60	50

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
MP42065	M8 x 1.25	931	60	10
42066	M8 x 1.25	931	65	50
42067	M8 x 1.25	931	70	50
MP42067	M8 x 1.25	931	70	10
42068	M8 x 1.25	931	75	25
MP42068	M8 x 1.25	931	75	10
42069	M8 x 1.25	931	80	25
42070	M8 x 1.25	931	90	25
42071	M8 x 1.25	931	100	10
-42071-1	M8 x 1.25	931	110	25
42072	M8 x 1.25	931	120	10

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
42253	M8 x 1.0	933	10	50
MP42253	M8 x 1.0	933	10	25
KP79552	M8 x 1.0	933	16	25
42258	M8 x 1.0	933	20	50
MP42258	M8 x 1.0	933	20	25
42260	M8 x 1.0	933	25	50
MP42260	M8 x 1.0	933	25	25
42261	M8 x 1.0	933	30	50
MP42261	M8 x 1.0	933	30	25
42262	M8 x 1.0	933	35	50
MP42262	M8 x 1.0	933	35	25
42265	M8 x 1.0	933	40	50
MP42265	M8 x 1.0	933	40	25
KP82047	M8 x 1.0	933	45	25
42267	M8 x 1.0	933	50	50
MP42267	M8 x 1.0	933	50	10
42268	M8 x 1.0	931	60	100
MP42268	M8 x 1.0	933	60	10

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
42075	M10 x 1.5	933	16	50
MP42075	M10 x 1.5	933	16	25
42076	M10 x 1.5	933	20	50
MP42076	M10 x 1.5	933	20	25
42078	M10 x 1.5	933	25	50
MP42078	M10 x 1.5	933	25	25
42080	M10 x 1.5	933	30	50
MP42080	M10 x 1.5	933	30	25
42081	M10 x 1.5	933	35	50
MP42081	M10 x 1.50	933	35	10
42083	M10 x 1.5	933	40	50
MP42083	M10 x 1.5	933	40	10
42084	M10 x 1.5	931	45	50
MP42084	M10 x 1.50	931	45	10
42085	M10 x 1.5	931	50	50
MP42085	M10 x 1.5	931	50	10
42086	M10 x 1.5	931	55	50
MP42086	M10 x 1.50	931	55	10
42087	M10 x 1.5	931	60	50
MP42087	M10 x 1.5	931	60	10
42088	M10 x 1.5	931	65	50
MP42088	M10 x 1.50	931	65	10
42089	M10 x 1.5	931	70	50
MP42089	M10 x 1.5	931	70	10
42090	M10 x 1.5	931	75	50
MP42090	M10 x 1.50	931	75	10
42091	M10 x 1.5	931	80	25
MP42091	M10 x 1.5	931	80	10
42092	M10 x 1.5	931	85	25
42093	M10 x 1.5	931	90	25
MP42093	M10 x 1.50	931	90	10
42095	M10 x 1.5	931	100	25
MP42095	M10 x 1.50	931	100	10
C86214	M10 x 1.5	931	110	25
42097	M10 x 1.5	931	120	25
MP42097	M10 x 1.50	931	120	10

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
42282	M10 x 1.0	933	20	50
MP42282	M10 x 1.0	933	20	10
42284	M10 x 1.0	933	25	50
MP42284	M10 x 1.0	933	25	10
42286	M10 x 1.0	933	30	50
MP42286	M10 x 1.0	933	30	10
42287	M10 x 1.0	933	35	50
MP42287	M10 x 1.0	933	35	10
42289	M10 x 1.0	933	40	50
MP42289	M10 x 1.0	933	40	10
KP82050	M10 x 1.0	931	45	25
42291	M10 x 1.0	931	50	50
MP42291	M10 x 1.0	931	50	10
42293	M10 x 1.0	931	60	50
KP82052	M10 x 1.0	931	70	10
KP82053	M10 x 1.0	931	80	10

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
KP70043	M12 x 1.75	933	16	25
42099	M12 x 1.75	933	20	50
MP42099	M12 x 1.75	933	20	25
42101	M12 x 1.75	933	25	50
MP42101	M12 x 1.75	933	25	25
42103	M12 x 1.75	933	30	50
MP42103	M12 x 1.75	933	30	25
42104	M12 x 1.75	933	35	50
MP42104	M12 x 1.75	933	35	10
42105	M12 x 1.75	933	40	50
MP42105	M12 x 1.75	933	40	10
42106	M12 x 1.75	933	45	50
MP42106	M12 x 1.75	933	45	10
42107	M12 x 1.75	933	50	25
MP42107	M12 x 1.75	933	50	10
42108	M12 x 1.75	931	55	25
MP42108	M12 x 1.75	931	55	10
42109	M12 x 1.75	931	60	25
MP42109	M12 x 1.75	931	60	10
42110	M12 x 1.75	931	65	25
MP42110	M12 x 1.75	931	65	10
42111	M12 x 1.75	931	70	25
MP42111	M12 x 1.75	931	70	10
42112	M12 x 1.75	931	75	25
MP42112	M12 x 1.75	931	75	10
42113	M12 x 1.75	931	80	25
MP42113	M12 x 1.75	931	80	10
42115	M12 x 1.75	931	90	25
MP42115	M12 x 1.75	931	90	10
42116	M12 x 1.75	931	100	10
42117	M12 x 1.75	931	110	10
42118	M12 x 1.75	931	120	10
KP82002	M12 x 1.75	931	140	10
KP82003	M12 x 1.75	931	150	10

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
42305	M12 x 1.5	933	20	25
MP42305	M12 x 1.5	933	20	10
42307	M12 x 1.5	933	25	25
MP42307	M12 x 1.5	933	25	10
42309	M12 x 1.5	933	30	25
MP42309	M12 x 1.5	933	30	10
42311	M12 x 1.5	933	35	25
MP42311	M12 x 1.5	933	35	10
42312	M12 x 1.5	933	40	25
MP42312	M12 x 1.5	933	40	10
42314	M12 x 1.5	933	50	25
MP42314	M12 x 1.5	933	50	5
42315	M12 x 1.5	931	55	25
C30961	M12 x 1.5	931	60	5

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Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
42317	M12 x 1.5	931	65	25
MP42317	M12 x 1.5	931	65	10
C30962	M12 x 1.5	931	70	5
42319	M12 x 1.5	931	75	25
C30963	M12 x 1.5	931	80	5
42321	M12 x 1.5	931	90	25
42323	M12 x 1.5	931	100	10

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
C92254	M14 x 2.0	933	20	5
42134	M14 x 2.0	933	25	50
MP42134	M14 x 2.0	933	25	5
42135	M14 x 2.0	933	30	50
MP42135	M14 x 2.0	933	30	5
42136	M14 x 2.0	933	35	50
MP42136	M14 x 2.0	933	35	5
42137	M14 x 2.0	933	40	50
MP42137	M14 x 2.0	933	40	5
C23120	M14 x 2.0	933	45	5
42139	M14 x 2.0	931	50	25
MP42139	M14 x 2.0	931	50	5
C23122	M14 x 2.0	931	55	5
42141	M14 x 2.0	931	60	25
MP42141	M14 x 2.0	931	60	5
42142	M14 x 2.0	931	65	25
42143	M14 x 2.0	931	70	25
MP42143	M14 x 2.0	931	70	5
42144	M14 x 2.0	931	75	25
42145	M14 x 2.0	931	80	25
MP42145	M14 x 2.0	931	80	5
42147	M14 x 2.0	931	90	25
42149	M14 x 2.0	931	100	10
42151	M14 x 2.0	931	110	10
42153	M14 x 2.0	931	120	10

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
42327	M14 x 1.5	933	30	50
MP42327	M14 x 1.5	933	30	5
42328	M14 x 1.5	933	35	50
MP42328	M14 x 1.5	933	35	5
42329	M14 x 1.5	933	40	50
MP42329	M14 x 1.5	933	40	5
C30968	M14 x 1.5	931	50	5
C30970	M14 x 1.5	931	60	5
C30971	M14 x 1.5	931	70	5
C30972	M14 x 1.5	931	80	5
C30973	M14 x 1.5	931	90	5
C18949	M14 X 1.5	931	100	5

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
42165	M16 x 2.0	933	25	25
42166	M16 x 2.0	933	30	25
MP42166	M16 x 2.0	933	30	5
42167	M16 x 2.0	933	35	25
42168	M16 x 2.0	933	40	25
42169	M16 x 2.0	933	45	25
42170	M16 x 2.0	931	50	25
MP42170	M16 x 2.0	931	50	5
42171	M16 x 2.0	931	55	25
42172	M16 x 2.0	931	60	25
MP42172	M16 x 2.0	931	60	5
42173	M16 x 2.0	931	65	25
42174	M16 x 2.0	931	70	10
KP75039	M16 x 2.0	931	75	15
42176	M16 x 2.0	931	80	10
C86232	M16 x 2.0	931	90	5
42180	M16 x 2.0	931	100	5
C86234	M16 X 2.0	931	110	5
C86235	M16 X 2.0	931	120	5

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
42204	M20 x 2.5	933	30	5
42205	M20 x 2.5	933	40	5
42206	M20 x 2.5	933	50	5
42207	M20 x 2.5	933	55	5
42208	M20 x 2.5	933	60	5
42209	M20 x 2.5	933	65	5
42210	M20 x 2.5	931	70	5
42211	M20 x 2.5	931	75	5
42212	M20 x 2.5	931	80	5
42213	M20 x 2.5	931	90	5
42214	M20 x 2.5	931	100	3
42215	M20 x 2.5	931	110	3
42216	M20 x 2.5	931	120	3
42217	M20 x 2.5	931	130	3
KP82020	M20 x 2.5	931	140	10

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
KP69792	M24 x 3.0	933	50	10
42228	M24 x 3.0	933	60	5
-42228-1	M24 x 3.0	933	70	5
42229	M24 x 3.0	931	80	5
-42229-1	M24 x 3.0	931	90	5
42230	M24 x 3.0	931	100	3
-42231-1	M24 x 3.0	931	130	3

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
42241	M30 x 3.5	933	70	5
42242	M30 x 3.5	933	80	5
42243	M30 x 3.5	931	90	5
42244	M30 x 3.5	931	100	3
42245	M30 x 3.5	931	110	3

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
42183	M16 x 2.0	931	130	5
42184	M16 x 2.0	931	140	5
42185	M16 x 2.0	931	150	5

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
KP82030	M16 x 1.5	933	30	10
KP82031	M16 x 1.5	933	35	10
KP82033	M16 x 1.5	931	45	10
C752991	M16 x 1.5	931	50	5
C752992	M16 x 1.5	931	60	5
KP82036	M16 x 1.5	931	70	10

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
-42186-3	M18 x 2.5	933	30	5
42187	M18 x 2.5	933	40	5
42188	M18 x 2.5	933	50	5
42190	M18 x 2.5	933	60	5
42192	M18 x 2.5	931	70	5
42194	M18 x 2.5	931	80	3
42195	M18 x 2.5	931	90	3
42196	M18 x 2.5	931	100	3
42197	M18 x 2.5	931	110	3
42198	M18 x 2.5	931	120	3
42199	M18 x 2.5	931	130	3

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
42204	M20 x 2.5	933	30	5
42205	M20 x 2.5	933	40	5
42206	M20 x 2.5	933	50	5
42207	M20 x 2.5	933	55	5
42208	M20 x 2.5	933	60	5
42209	M20 x 2.5	933	65	5
42210	M20 x 2.5	931	70	5
42211	M20 x 2.5	931	75	5
42212	M20 x 2.5	931	80	5
42213	M20 x 2.5	931	90	5
42214	M20 x 2.5	931	100	3
42215	M20 x 2.5	931	110	3
42216	M20 x 2.5	931	120	3
42217	M20 x 2.5	931	130	3
KP82020	M20 x 2.5	931	140	10

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
KP69792	M24 x 3.0	933	50	10
42228	M24 x 3.0	933	60	5
-42228-1	M24 x 3.0	933	70	5
42229	M24 x 3.0	931	80	5
-42229-1	M24 x 3.0	931	90	5
42230	M24 x 3.0	931	100	3
-42231-1	M24 x 3.0	931	130	3

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
42241	M30 x 3.5	933	70	5
42242	M30 x 3.5	933	80	5
42243	M30 x 3.5	931	90	5
42244	M30 x 3.5	931	100	3
42245	M30 x 3.5	931	110	3

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
42241	M30 x 3.5	933	70	5
42242	M30 x 3.5	933	80	5
42243	M30 x 3.5	931	90	5
42244	M30 x 3.5	931	100	3
42245	M30 x 3.5	931	110	3

Non stock items are furnished non-plated.  
\*Canada only

## Metric 8.8 Hex Head Cap Screws

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### Canada Only

- Class 8, 116,000 PSI tensile strength
- DIN 933, full thread, coarse
- DIN 931, partial thread, coarse
- DIN 961, full thread, fine
- DIN 960, partial thread, fine
- Plain finish

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
*CD557668	M8X 1.25	933	16	25
*CD557670	M8 X 1.25	933	20	25
*CD557672	M8 X 1.25	933	25	25
*CD557681	M8 X 1.25	931	70	25

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
*CD557690	M10 X 1.50	933	16	25
*CD557691	M10 X 1.50	933	20	25
*CD557692	M10 X 1.50	933	25	25
*CD557693	M10 X 1.50	933	30	25
*CD557694	M10 X 1.50	933	35	25
*CD557695	M10 X 1.50	933	40	25
*CD557696	M10 X 1.50	931	45	25
*CD557697	M10 X 1.50	931	50	25
*CD557699	M10 X 1.50	931	60	25

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
*CD557551	M10 X 1.25	961	20	25
*CD557553	M10 X 1.25	961	25	25
*CD557555	M10 X 1.25	961	30	25
*CD557557	M10 X 1.25	961	35	25
*CD557558	M10 X 1.25	960	40	25
*CD557559	M10 X 1.25	960	50	25

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
*CD557712	M12 X 1.75	933	30	25
*CD557714	M12 X 1.75	933	40	25
*CD557716	M12 X 1.75	931	50	25
*CD557718	M12 X 1.75	931	60	25
*CD557720	M12 X 1.75	931	70	25

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
*CD557570	M12 X 1.25	961	30	25
*CD557566	M12 X 1.50	961	20	25
*CD557569	M12 X 1.50	961	30	25
*CD557571	M12 X 1.50	961	40	25
*CD557573	M12 X 1.50	960	50	10

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
*CD557731	M14 X 2.00	933	40	25
*CD557733	M14 X 2.00	931	50	25
*CD557735	M14 X 2.00	931	60	25
*CD557742	M14 X 2.00	931	120	10

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
*CD557584	M14 X 1.50	961	30	10
*CD557585	M14 X 1.50	961	35	10
*CD557586	M14 X 1.50	961	40	10
*CD557588	M14 X 1.50	960	50	10

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
*CD557744	M16 X 2.00	933	30	10
*CD557745	M16 X 2.00	933	35	10
*CD557746	M16 X 2.00	933	40	10

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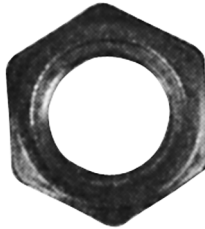
Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
*CD557747	M16 X 2.00	933	50	10
*CD557749	M16 X 2.00	931	60	10
*CD557751	M16 X 2.00	931	70	10

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
*CD557761	M20 X 2.50	933	50	10
*CD557763	M20 X 2.50	933	60	10
*CD557764	M20 X 2.50	931	70	10
*CD557767	M20 X 2.50	931	10	5
*CD557768	M20 X 2.50	931	120	5

\*Canada only

## Metric Hex Nuts - Course - Plain Finish

Canada Only



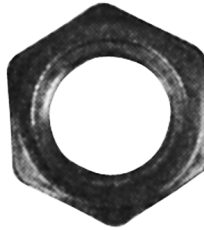
- Class 8
- DIN 934
- For use with Class 8.8 fasteners

Part No.	Dia. (mm)	Thread Pitch	Unit
*CD557603	4	0.70	100
*CD557604	5	.080	100
*CD557605	6	1.00	100
*CD557607	8	1.25	100
*CD557608	10	1.50	50
*CD557609	12	1.75	50
*CD557610	14	2.00	50
*CD557611	16	2.00	25
*CD557613	20	2.50	25
*CD557614	24	3.00	25

\*Canada only

## Metric Hex Nuts - Fine - Plain Finish

Canada Only



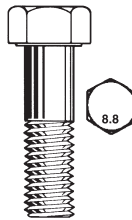
- Class 8
- DIN 934
- For use with Class 8.8 fasteners

Part No.	Dia. (mm)	Thread Pitch	Unit
*CD557521	8	1.00	100
*CD557522	10	1.25	100
*CD557523	12	1.50	50
*CD557475	14	1.50	50

\*Canada only

## Metric 8.8 Hex Head Cap Screws

Japanese fine thread pitch



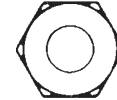
- Medium carbon steel
- For use with:  
Bowman Flat Washers 43981 series  
Bowman Hex Nuts 42415-1 series
- Zinc plated

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
42330	M10 x 1.25	933	20	50
MP42330	M10 x 1.25	933	20	10
42331	M10 x 1.25	933	25	50
MP42331	M10 x 1.25	933	25	10
42332	M10 x 1.25	933	30	50
MP42332	M10 x 1.25	933	30	10
42333	M10 x 1.25	933	35	50
MP42333	M10 x 1.25	933	35	10
42334	M10 x 1.25	933	40	50
MP42334	M10 x 1.25	933	40	10
KP82054	M10 x 1.25	933	45	25
42336	M10 x 1.25	933	50	50
MP42336	M10 x 1.25	933	50	10
42338	M10 x 1.25	931	60	50
MP42338	M10 x 1.25	931	60	10
C30975	M10 x 1.25	931	70	10
C30976	M10 x 1.25	931	80	5
C30977	M10 x 1.25	931	90	5

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
KP78936	M12 x 1.25	933	20	25
42340	M12 x 1.25	933	25	50
MP42340	M12 x 1.25	933	25	10

Part No.	Dia. x Pitch	Thread	Length (mm)	Unit
C30979	M12 x 1.25	933	30	10
42342	M12 x 1.25	933	35	50
MP42342	M12 x 1.25	933	35	10
C86217	M12 x 1.25	933	40	10
42345	M12 x 1.25	931	50	25
MP42345	M12 x 1.25	931	50	5
C30980	M12 x 1.25	931	55	5
C30981	M12 x 1.25	931	60	5
C30983	M12 x 1.25	931	70	5
C30985	M12 x 1.25	931	80	5
C30986	M12 x 1.25	931	90	5

## Metric Hex Nuts



- Meets DIN 934 and ISO property class 8 specifications
- Low carbon steel
- Zinc plated
- For use with Property Class 8.8, 5.8 and 4.8 bolts, screws and studs

## Standard Pitch

Part No.	Dia. x Pitch	Flats (mm)	Thick (mm)	Unit
42430†	M2 x 0.4	5	1.2	100
42431†	M2.5 x 0.45	5	2	100
42432†	M3 x 0.50	5.5	2.4	100
42400	M4 x 0.70	7	3.2	50
42401	M5 x 0.80	8	4	50
42402	M6 x 1.00	10	5	50
42403	M7 x 1.00	11	5.5	50
42404	M8 x 1.25	13	6.5	50
42405	M10 x 1.50	17	8	50
MP42405	M10 x 1.50	17	8	25
42406	M12 x 1.75	19	10	50
MP42406	M12 x 1.75	19	10	25
42407	M14 x 2.00	22	11	25
42408	M16 x 2.00	24	13	25
MP42408	M16 x 2.0	24	13	10
-42409-18	M18 x 2.50	27	15	25
MP42409-18	M18 x 2.5	27	15	10
-42409-20	M20 x 2.50	30	16	25
MP42409-20	M20 X 2.5	30	16	10
42411	M24 x 3.00	36	19	25
42413	M30 x 3.50	46	24	25

† Class 6 Specifications

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# Metric Fasteners

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Fine Pitch

Part No.	Dia. x Pitch	Flats (mm)	Thick (mm)	Unit
42414	M8 x 1.00	13	6.5	50
C18951	M10 x 1.25	17	8	25
42416	M12 x 1.50	19	10	25
C23356	M14 x 1.50	22	11	25
C762124	M16 x 1.50	24	13	10
KP82790	M20 x 1.5	30	16	50

## Extra Fine Pitch

Part No.	Dia. x Pitch	Flats (mm)	Thick (mm)	Unit
42415	M10 x 1.00	17	8	50
MP42415	M10 x 1.00	17	8	25
C18954	M12 x 1.25	19	10	25

## Metric 8.8 Hex Nuts

2789

### Japanese Fine Thread Pitch



- Medium carbon steel
- For use with 8.8 Japanese hex head cap screws
- Zinc plated

Part No.	Dia. x Pitch	Unit
-42415-1	M10 x 1.25	50
-42416-1	M12 x 1.25	50

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## Metric Through-Hardened Flat Washers

2800



- Meets to ANSI B18.22M specifications
- Medium carbon steel
- Zinc plated
- For use with 12.9, 10.9, 9.8 and 8.8 property class fasteners

Part No.	Bolt Size	I.D. (mm)	O.D. (mm)	Thickness (mm)	Unit
C25041	M4	4.3	9	0.80	100
C25042	M5	5.3	10	1.00	100
43981	M6	6.4	12.50	1.6	1 lb.
MP43981	M6	6.4	12.50	1.6	100
C25043	M7	7.4	14	1.6	100
43983	M8	8.4	17	1.6	1 lb.
MP43983	M8	8.4	17	1.6	100
43984	M10	10.5	21	2	1 lb.
MP43984	M10	10.5	21	2	100
43985	M12	13	24	2.50	1 lb.
MP43985	M12	13	24	2.50	50
43986	M14	15	28	2.50	1 lb.
MP43986	M14	15	28	2.50	50
43987	M16	17	30	3	1 lb.
MP43987	M16	17	30	3	25

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Part No.	Bolt Size	I.D. (mm)	O.D. (mm)	Thickness (mm)	Unit
C90634	M18	19	34	3	10
43989	M20	21	37	3	1 lb.
MP43989	M20	21	37	3	25
43990	M24	25	44	4	1 lb.
MP43990	M24	25	44	4	10

## 1 lb. — Pieces Conversion

- Approximate number of pieces per pound

Part No.	Pieces
43981	435
43983	150
43984	145
43985	70
43986	58
43987	35
43989	21
43990	15

## Metric Lock Washers

16100



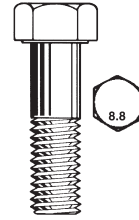
- Meets DIN 127B specifications
- Spring steel
- Heat treated
- Zinc plated
- Non-linking
- For use with 12.9, 10.9 and 8.8 fasteners

Part No.	Bolt Size	Unit
C30990	M3	100
42450	M4	200
MP42450	M4	100
42451	M5	200
MP42451	M5	100
42452	M6	200
MP42452	M6	100
42453	M7	200
MP42453	M7	100
42454	M8	200
MP42454	M8	100
42455	M10	100
MP42455	M10	50
42456	M12	100
MP42456	M12	50
42457	M14	100
MP42457	M14	50
-42458-16	M16	100
MP42458-16	M16	50
-42458-18	M18	50
-42458-20	M20	50
MP42458-20	M20	25
-42459-1	M24	50
MP42459-1	M24	25

## 8.8 Small Head Cap Screws

## Metric 8.8 Small Head Hex Cap Screws

2784



- Meets JIS B1180-7 specifications
- Zinc chromate plated

Part No.	Dia. x Pitch	Thread Length (mm)	Length (mm)	Across Flats (mm)	Unit
C87871	M8 x 1.25	933	12	12	50
4501	M8 x 1.25	933	16	12	50
4502	M8 x 1.25	933	20	12	50
4503	M8 x 1.25	933	25	12	50
4504	M8 x 1.25	933	30	12	50
4505	M8 x 1.25	933	35	12	50
4506	M8 x 1.25	933	40	12	50
C87879	M8 x 1.25	933	45	12	50
4508	M8 x 1.25	931	50	12	50
C87881	M8 x 1.25	931	55	12	10
C87882	M8 x 1.25	931	60	12	25
C87884	M8 x 1.25	931	70	12	25
C87886	M8 x 1.25	931	80	12	25

Part No.	Dia. x Pitch	Thread Length (mm)	Length (mm)	Across Flats (mm)	Unit
4520	M10 x 1.25	933	20	14	50
MP4520	M10 x 1.25	933	20	14	25
4521	M10 x 1.25	933	25	14	50
MP4521	M10 x 1.25	933	25	14	25
4522	M10 x 1.25	933	30	14	50
MP4522	M10 x 1.25	933	30	14	25
4523	M10 x 1.25	933	35	14	50
MP4523	M10 x 1.25	933	35	14	25
4524	M10 x 1.25	933	40	14	50
MP4524	M10 x 1.25	933	40	14	25
4525	M10 x 1.25	933	45	14	50
MP4525	M10 x 1.25	933	45	14	25
4526	M10 x 1.25	933	50	14	50
MP4526	M10 x 1.25	933	50	14	25
C87894	M10 x 1.25	933	55	14	10
4528	M10 x 1.25	931	60	14	50
MP4528	M10 x 1.25	931	60	14	25
C87897	M10 x 1.25	931	70	14	25
C87899	M10 x 1.25	931	80	14	25
C87901	M10 x 1.25	931	90	14	25
C87902	M10 x 1.25	931	100	14	25

Part No.	Dia. x Pitch	Thread Length (mm)	Length (mm)	Across Flats (mm)	Unit
4540	M12 x 1.25	933	20	17	50
MP4540	M12 x 1.25	933	20	17	25
4541	M12 x 1.25	933	25	17	50
MP4541	M12 x 1.25	933	25	17	25
4542	M12 x 1.25	933	30	17	50
MP4542	M12 x 1.25	933	30	17	25

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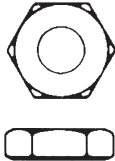
# Metric Fasteners

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Part No.	Dia. x Pitch	Thread	Length (mm)	Across Flats (mm)	Unit
4543	M12 x 1.25	933	40	17	50
C87906	M12 x 1.25	933	40	17	25
4544	M12 x 1.25	931	50	17	50
MP4544	M12 x 1.25	931	50	17	25
C87908	M12 x 1.25	931	60	17	25
C87909	M12 x 1.25	931	70	17	10
C87910	M12 x 1.25	931	80	17	10
C87911	M12 x 1.25	931	90	17	10
C87912	M12 x 1.25	931	100	17	10

## Metric 8.8 Hex Nuts

For Japanese Small Head Cap Screws



- Meets JIS B 1181 specifications
- For awkward applications where small diameter hex is needed
- Use with part numbers 4501 through 4547

Part No.	Dia. x Pitch	Across Flats (mm)	Unit
4548	M8 x 1.25	12	100
MP4548	M8 x 1.25	12	50
4549	M10 x 1.25	14	50
MP4549	M10 x 1.25	14	50
4550	M12 x 1.25	17	100
MP4550	M12 x 1.25	17	50

## Metric Through-Hardened Flat Washers



- Meets to ANSI B18.22M specifications
- Medium carbon steel
- Zinc plated
- For use with 12.9, 10.9, 9.8 and 8.8 property class fasteners

Part No.	Bolt Size	I.D. (mm)	O.D. (mm)	Thickness (mm)	Unit
C25041	M4	4.3	9	0.80	100
C25042	M5	5.3	10	1.00	100
43981	M6	6.4	12.50	1.6	1 lb.
MP43981	M6	6.4	12.50	1.6	100
C25043	M7	7.4	14	1.6	100
43983	M8	8.4	17	1.6	1 lb.
MP43983	M8	8.4	17	1.6	100
43984	M10	10.5	21	2	1 lb.
MP43984	M10	10.5	21	2	100
43985	M12	13	24	2.50	1 lb.
MP43985	M12	13	24	2.50	50
43986	M14	15	28	2.50	1 lb.
MP43986	M14	15	28	2.50	50
43987	M16	17	30	3	1 lb.
MP43987	M16	17	30	3	25

Part No.	Bolt Size	I.D. (mm)	O.D. (mm)	Thickness (mm)	Unit
C90634	M18	19	34	3	10
43989	M20	21	37	3	1 lb.
MP43989	M20	21	37	3	25
43990	M24	25	44	4	1 lb.
MP43990	M24	25	44	4	10

## 1 lb. — Pieces Conversion

- Approximate number of pieces per pound

Part No.	Pieces
43981	435
43983	150
43984	145
43985	70
43986	58
43987	35
43989	21
43990	15

## Metric Lock Washers



- Meets DIN 127B specifications
- Spring steel
- Heat treated
- Zinc plated
- Non-linking
- For use with 12.9, 10.9 and 8.8 fasteners

Part No.	Bolt Size	Unit
C30990	M3	100
42450	M4	200
MP42450	M4	100
42451	M5	200
MP42451	M5	100
42452	M6	200
MP42452	M6	100
42453	M7	200
MP42453	M7	100
42454	M8	200
MP42454	M8	100
42455	M10	100
MP42455	M10	50
42456	M12	100
MP42456	M12	50
42457	M14	100
MP42457	M14	50
-42458-16	M16	100
MP42458-16	M16	50
-42458-18	M18	50
-42458-20	M20	50
MP42458-20	M20	25
-42459-1	M24	50
MP42459-1	M24	25

## Studs

### Metric Studs



- Meets ISO property class 5.8 specifications
- Medium carbon steel
- Non-plated
- Standard thread

### M6 x 1.00 Dia. x Pitch

Part No.	"A" Thread Length (mm)	"B" Shoulder Length (mm)	"C" Thread Length (mm)	Overall Length (mm)	Unit
42601	23	*	*	23	25
42603	14	3	14	31	25

### M8 x 1.25 Dia. x Pitch

Part No.	"A" Thread Length (mm)	"B" Shoulder Length (mm)	"C" Thread Length (mm)	Overall Length (mm)	Unit
C22743	27	*	*	27	25
+CD553265	20		10	30	10
42608	31	*	*	31	25
C11372	35	*	*	35	25
42612	16	6	16	38	25
42614	40	*	*	40	25
42616	16	14	16	46	25
42617	16	18	16	50	25
42619	16	24	16	56	25
42621	16	30	16	62	25

### M10 x 1.50 Dia. x Pitch

Part No.	"A" Thread Length (mm)	"B" Shoulder Length (mm)	"C" Thread Length (mm)	Overall Length (mm)	Unit
42630	32	*	*	32	25
42633	15	5	25	45	25
C22751	15	5	48	48	25
42637	27	30	28	85	25

### M12 x 1.75 Dia. x Pitch

- Plain finish
- Mild steel 5.8

Part No.	Size A	Size B	Size C	Overall Size	Unit
+CD553275	30	-	15	45	5

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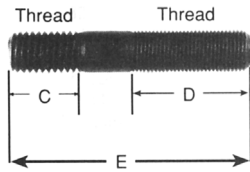
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# Metric Fasteners

## Metric Studs

20470



- DIN 939
- Class 8.8
- Black finish

KAR No.	Dia. x Pitch	Length (mm) C	Length (mm) D	Length (mm) E	Unit
KP83303	M6 X 1.00	7.5	18	32.5	10
KP83305	M6 X 1.00	7.5	18	47.5	10
KP83307	M8 X 1.25	10	22	40	25
KP83308	M8 X 1.25	10	22	45	25
KP83309	M8 X 1.25	10	22	50	25
KP83310	M8 X 1.25	10	22	55	25
KP83311	M8 X 1.25	10	22	60	25
KP83144	M10 X 1.25	10	10	30	25
KP83313	M10 X 1.50	12	26	47	25
KP83314	M10 X 1.50	12	26	52	25
KP83315	M10 X 1.50	12	26	62	25
KP83316	M10 X 1.50	12	26	72	25
KP83317	M10 X 1.50	12	26	82	25

## Double-Ended Studs Class 10.9

21062

### Canada Only

- Medium carbon steel, SAE 1199
- Most are black oil coated, certain special sizes, zinc plated

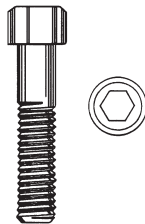
Part No.	Dia.	A Thread Length	B Thread Length	Length OAL	Unit
*CD560551	M8-1.25	21MM	9MM	40MM	10
*CD560552	M8-1.25	23MM	7MM	45MM	10
*CD560555	M8-1.25	24MM	26MM	60MM	10
*CD560563	M10-1.25	21MM	7MM	41MM	10
*CD560558	M10-1.50	12MM	3MM	42MM	10
*CD560560	M10-1.50	27MM	13MM	52MM	10
*CD560562	M10-1.50	28MM	22MM	62MM	10

\*Canada only

## Socket Screws

### Metric 12.9 Socket Head Cap Screws

21779



- Meets ISO 4762 specifications
- Medium carbon alloy steel
- Through-hardened
- 1220 N/mm<sup>2</sup> minimum tensile strength (176,948 psi minimum)
- Non-plated
- Standard thread pitch

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Part No.	Dia. x Pitch	Length (mm)	Unit
42704	M3 x 0.5	4	50
-42704-1	M3 x 0.5	5	50
-42704-2	M3 x 0.5	6	50
-42704-3	M3 x 0.5	8	50
-42704-4	M3 x 0.5	10	50
42705	M3 x 0.5	12	50
-42705-1	M3 x 0.5	14	50
-42705-2	M3 x 0.5	16	50
-42705-4	M3 x 0.5	20	50
42706	M3 x 0.5	25	50
-42706-1	M3 x 0.5	30	50
-42706-2	M3 x 0.5	35	50

Part No.	Dia. x Pitch	Length (mm)	Unit
C755049	M4 x 0.7	5	50
42707	M4 x 0.7	6	50
42708	M4 x 0.7	8	50
42709	M4 x 0.7	10	50
42710	M4 x 0.7	12	50
-42710-1	M4 x 0.7	14	50
42712	M4 x 0.7	16	50
-42712-1	M4 x 0.7	18	50
42713	M4 x 0.7	20	50
42714	M4 x 0.7	25	50
42715	M4 x 0.7	30	50
42716	M4 x 0.7	35	50
42717	M4 x 0.7	40	50
42718	M4 x 0.7	45	50
-42718-1	M4 x 0.7	50	50

Part No.	Dia. x Pitch	Length (mm)	Unit
42719	M5 x 0.8	8	50
42720	M5 x 0.8	10	50
42721	M5 x 0.8	12	50
42722	M5 x 0.8	14	50
42723	M5 x 0.8	16	50
-42723-1	M5 x 0.8	18	50
42724	M5 x 0.8	20	50
42725	M5 x 0.8	25	50
42726	M5 x 0.8	30	50
42727	M5 x 0.8	35	50
42728	M5 x 0.8	40	50
-42728-1	M5 x 0.8	45	50
42729	M5 x 0.8	50	50
-42729-1	M5 x 0.8	55	50
-42729-2	M5 x 0.8	60	50
-42729-3	M5 x 0.8	70	50
-42729-4	M5 x 0.8	80	50

Part No.	Dia. x Pitch	Length (mm)	Unit
42730	M6 x 1.0	8	50
42732	M6 x 1.0	10	50
42733	M6 x 1.0	12	50
42734	M6 x 1.0	14	50
42735	M6 x 1.0	16	50
-42735-1	M6 x 1.0	18	50
42736	M6 x 1.0	20	50
42738	M6 x 1.0	25	50
42739	M6 x 1.0	30	50
MP42739	M6 x 1.0	30	25
42740	M6 x 1.0	35	50
42741	M6 x 1.0	40	50
MP42741	M6 x 1.0	40	25
42742	M6 x 1.0	45	50
MP42742	M6 x 1.0	45	25
42743	M6 x 1.0	50	50
MP42743	M6 x 1.0	50	25
C90692	M6 x 1.0	55	25
42745	M6 x 1.0	60	50
MP42745	M6 x 1.0	60	25

Part No.	Dia. x Pitch	Length (mm)	Unit
-42745-1	M6 x 1.0	65	50
MP42745-1	M6 x 1.0	65	25
-42745-2	M6 x 1.0	70	50
MP42745-2	M6 x 1.0	70	25
-42745-7	M6 x 1.0	75	50
MP42745-7	M6 x 1.0	75	25
-42745-3	M6 x 1.0	80	25
-42745-4	M6 x 1.0	90	25
-42745-5	M6 x 1.0	100	25
-42745-6	M6 x 1.0	110	25

Part No.	Dia. x Pitch	Length (mm)	Unit
42746	M8 x 1.25	12	50
MP42746	M8 x 1.25	12	25
-42746-1	M8 x 1.25	14	50
42747	M8 x 1.25	16	50
MP42747	M8 x 1.25	16	25
C755258	M8 x 1.25	18	50
42749	M8 x 1.25	20	50
MP42749	M8 x 1.25	20	25
42751	M8 x 1.25	25	50
MP42751	M8 x 1.25	25	25
42752	M8 x 1.25	30	50
MP42752	M8 x 1.25	30	25
42753	M8 x 1.25	35	50
42754	M8 x 1.25	40	50
MP42754	M8 x 1.25	40	25
42755	M8 x 1.25	45	50
MP42755	M8 x 1.25	45	25
42756	M8 x 1.25	50	50
MP42756	M8 x 1.25	50	25
-42756-1	M8 x 1.25	55	50
MP42756-1	M8 x 1.25	55	25
42757	M8 x 1.25	60	50
MP42757	M8 x 1.25	60	25
-42757-1	M8 x 1.25	65	50
42758	M8 x 1.25	70	50
MP42758	M8 x 1.25	70	25
-42758-1	M8 x 1.25	75	50
MP42758-1	M8 x 1.25	75	25
42759	M8 x 1.25	80	50
MP42759	M8 x 1.25	80	25
-42759-1	M8 x 1.25	90	25
-42759-2	M8 x 1.25	100	25

Part No.	Dia. x Pitch	Length (mm)	Unit
42762	M10 x 1.5	16	50
42763	M10 x 1.5	20	50
MP42763	M10 x 1.5	20	25
42765	M10 x 1.5	25	50
MP42765	M10 x 1.5	25	25
42766	M10 x 1.5	30	50
MP42766	M10 x 1.5	30	25
42767	M10 x 1.5	35	50
MP42767	M10 x 1.5	35	10
42768	M10 x 1.5	40	50
MP42768	M10 x 1.5	40	10
42769	M10 x 1.5	45	50
42770	M10 x 1.5	50	50
MP42770	M10 x 1.5	50	10
-42770-1	M10 x 1.5	55	50
42771	M10 x 1.5	60	50
MP42771	M10 x 1.50	60	10
-42771-1	M10 x 1.5	65	50
42772	M10 x 1.5	70	50
MP42772	M10 x 1.50	70	10
-42772-1	M10 x 1.5	75	50
42773	M10 x 1.5	80	50

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Part No.	Dia. x Pitch	Length (mm)	Unit
MP42773	M10 x 1.50	80	10
42774	M10 x 1.5	90	25
MP42774	M10 x 1.50	90	10
-42774-1	M10 x 1.5	100	25
42775	M10 x 1.5	110	10
-42775-1	M10 x 1.5	120	10

Part No.	Dia. x Pitch	Length (mm)	Unit
42779	M12 x 1.75	20	25
MP42779	M12 x 1.75	20	10
42780	M12 x 1.75	25	25
MP42780	M12 x 1.75	25	10
42781	M12 x 1.75	30	25
MP42781	M12 x 1.75	30	10
42782	M12 x 1.75	35	25
42783	M12 x 1.75	40	25
MP42783	M12 x 1.75	40	10
42784	M12 x 1.75	45	25
42785	M12 x 1.75	50	25
MP42785	M12 x 1.75	50	5
42786	M12 x 1.75	55	25
42787	M12 x 1.75	60	25
MP42787	M12 x 1.75	60	5
-42787-1	M12 x 1.75	65	25
42788	M12 x 1.75	70	25
MP42788	M12 x 1.75	70	5
42789	M12 x 1.75	75	25
42790	M12 x 1.75	80	25
MP42790	M12 x 1.75	80	5
42791	M12 x 1.75	90	25
42792	M12 x 1.75	100	25
42793	M12 x 1.75	110	10
-42793-1	M12 x 1.75	120	10

Part No.	Dia. x Pitch	Length (mm)	Unit
C90699	M14 x 2.0	25	5
42795	M14 x 2.0	30	25
C31003	M14 x 2.0	35	5
-42795-1	M14 x 2.0	40	25
*CD551483	M14 X 2.00	45	25
-42795-2	M14 x 2.0	50	25
-42795-3	M14 x 2.0	60	25
MP42795-3	M14 x 2.0	60	5
42796	M14 x 2.0	70	25
-42796-1	M14 x 2.0	80	25
-42796-3	M14 x 2.0	100	25

Part No.	Dia. x Pitch	Length (mm)	Unit
*CD551501	M16 X 2.00	25	25
C90708	M16 x 2.0	30	5
KP82152	M16 x 2.0	35	10
42797	M16 x 2.0	40	10
KP82154	M16 x 2.0	45	10
*CD551507	M16 X 2.00	65	25
*CD551508	M16 X 2.00	75	25
-42797-1	M16 x 2.0	50	10
-42797-2	M16 x 2.0	60	10
-42797-3	M16 x 2.0	70	10
42798	M16 x 2.0	80	10
-42798-1	M16 x 2.0	90	10
-42798-2	M16 x 2.0	100	10
-42798-3	M16 x 2.0	120	10

Part No.	Dia. x Pitch	Length (mm)	Unit
42801	M20 x 2.5	40	10
-42801-1	M20 x 2.5	50	10
-42801-2	M20 x 2.5	60	10
-42801-3	M20 x 2.5	70	10
42802	M20 x 2.5	80	10

Part No.	Dia. x Pitch	Length (mm)	Unit
-42802-1	M20 x 2.5	90	5
-42802-2	M20 x 2.5	100	5
-42802-3	M20 x 2.5	110	5
42803	M20 x 2.5	120	5

Part No.	Dia. x Pitch	Length (mm)	Unit
42806	M24 x 3.0	60	5
-42806-1	M24 x 3.0	70	5
-42806-2	M24 x 3.0	80	5
-42806-3	M24 x 3.0	90	5
-42806-4	M24 x 3.0	100	3
-42806-5	M24 x 3.0	110	3
-42806-6	M24 x 3.0	120	3
-42806-7	M24 x 3.0	130	3

Part No.	Dia. x Pitch	Length (mm)	Unit
42808	M30 x 3.5	60	5
-42808-1	M30 x 3.5	70	5
-42808-2	M30 x 3.5	80	5
-42808-3	M30 x 3.5	90	5
-42808-4	M30 x 3.5	100	3
-42808-5	M30 x 3.5	110	3
-42808-6	M30 x 3.5	120	3
-42808-7	M30 x 3.5	130	3

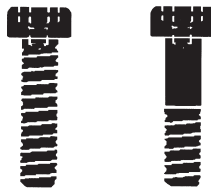
\*Canada only

## Metric Socket Head Cap Screw Chart

Bolt Size	Head Dia. (mm)	Head Height (mm)	Key Size (mm)
M4	7.0	4.0	3.0
M5	8.5	5.0	4.0
M6	10.0	6.0	5.0
M8	13.0	8.0	6.0
M10	16.0	10.0	8.0
M12	18.0	12.0	10.0
M14	21.0	14.0	12.0
M16	24.0	16.0	14.0
M20	30.0	20.0	17.0
M24	36.0	24.0	19.0
M30	45.0	30.0	22.0

## Metric 8.8 Socket Low Head Cap Screws

2786



- Meets DIN 6912 8.8 specifications
- Non-plated
- Pilot recess

Part No.	Dia. x Pitch	Length (mm)	Unit
44300	M4 x 0.7	10	100
44301	M4 x 0.7	12	100
44302	M4 x 0.7	16	100
44303†	M4 x 0.7	20	100
44304†	M4 x 0.7	25	100

Part No.	Dia. x Pitch	Length (mm)	Unit
44310	M5 x 0.8	10	100
44311	M5 x 0.8	12	100
44312	M5 x 0.8	16	100
44313	M5 x 0.8	20	100
44314†	M5 x 0.8	25	50
44315†	M5 x 0.8	30	50

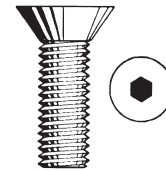
Part No.	Dia. x Pitch	Length (mm)	Unit
44320	M6 x 1.0	10	50
44321	M6 x 1.0	12	50
44322	M6 x 1.0	16	50
44323	M6 x 1.0	20	50
44324	M6 x 1.0	25	50
44325	M6 x 1.0	30	50
44326	M6 x 1.0	40	25
44327	M6 x 1.0	50	25

Part No.	Dia. x Pitch	Length (mm)	Unit
44330	M8 x 1.25	12	100
44331	M8 x 1.25	16	100
44332	M8 x 1.25	20	100
44333	M8 x 1.25	25	50
44334	M8 x 1.25	30	50
44335	M8 x 1.25	40	50
44336	M8 x 1.25	50	50
44338	M8 x 1.25	80	25

†Partially threaded

## Metric 10.9 Socket Flat Head Cap Screws

6412



- Meets DIN 7991 dimensional specifications
- Property class 10.9
- Medium carbon alloy steel quenched and tempered
- Non-plated
- Standard thread

Part No.	Dia. x Pitch	Length (mm)	Unit
KP82185	M3 x 0.5	8	25
KP82186	M3 x 0.5	10	25
KP82187	M3 x 0.5	12	25
KP82188	M3 x 0.5	16	25
KP82189	M3 x 0.5	20	25

Part No.	Dia. x Pitch	Length (mm)	Unit
43127	M4 x 0.7	6	25
43128	M4 x 0.7	8	25
43129	M4 x 0.7	10	25
43130	M4 x 0.7	12	25
43131	M4 x 0.7	16	25
43132	M4 x 0.7	20	25
43133	M4 x 0.7	25	25
43134	M4 x 0.7	30	25
KP88410	M4 x 0.7	40	25

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Part No.	Dia. x Pitch	Length (mm)	Unit
43135	M5 x 0.8	8	25
43136	M5 x 0.8	10	25
43137	M5 x 0.8	12	25
-43137-1	M5 x 0.8	14	25
43138	M5 x 0.8	16	25
43139	M5 x 0.8	20	25
43140	M5 x 0.8	25	25
43141	M5 x 0.8	30	25
43142	M5 x 0.8	35	25
43143	M5 x 0.8	40	25

Part No.	Dia. x Pitch	Length (mm)	Unit
43144	M6 x 1.0	10	25
43145	M6 x 1.0	12	25
-43145-1	M6 x 1.0	14	25
43146	M6 x 1.0	16	25
43147	M6 x 1.0	20	25
43148	M6 x 1.0	25	25
43149	M6 x 1.0	30	25
43150	M6 x 1.0	35	25
43151	M6 x 1.0	40	25
-43151-1	M6 x 1.0	50	25

Part No.	Dia. x Pitch	Length (mm)	Unit
43154	M8 x 1.25	12	25
43155	M8 x 1.25	16	25
43156	M8 x 1.25	20	25
43157	M8 x 1.25	25	25
43158	M8 x 1.25	30	25
43159	M8 x 1.25	35	25
43160	M8 x 1.25	40	25
43162	M8 x 1.25	50	25

Part No.	Dia. x Pitch	Length (mm)	Unit
43165	M10 x 1.5	16	25
43166	M10 x 1.5	20	25
43167	M10 x 1.5	25	25
43168	M10 x 1.5	30	25
43169	M10 x 1.5	35	25
43170	M10 x 1.5	40	25
43172	M10 x 1.5	50	25
43173	M10 x 1.5	60	25
-43173-1	M10 x 1.5	70	25

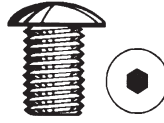
Part No.	Dia. x Pitch	Length (mm)	Unit
43175	M12 x 1.75	20	10
43176	M12 x 1.75	25	10
43177	M12 x 1.75	30	10
43178	M12 x 1.75	35	10
43179	M12 x 1.75	40	10
43180	M12 x 1.75	45	10
43181	M12 x 1.75	50	10

Part No.	Dia. x Pitch	Length (mm)	Unit
-43182-2	M14 x 2.0	50	10
43183	M14 x 2.0	60	10
-43183-1	M14 x 2.0	70	10

Part No.	Dia. x Pitch	Length (mm)	Unit
KP82249	M16 x 2.0	35	10
43185	M16 x 2.0	40	10
-43185-1	M16 x 2.0	50	10
-43185-2	M16 x 2.0	60	10
43186	M16 x 2.0	70	10

Part No.	Dia. x Pitch	Length (mm)	Unit
-43188-1	M20 x 2.5	50	10

## Metric 10.9 Socket Button Head Cap Screws



- Meets ISO 7380 specifications
- Property class 10.9
- Medium carbon alloy steel - quenched and tempered
- Non-plated
- Standard thread

Part No.	Dia. x Pitch	Length (mm)	Unit
KP82293	M3 x 0.50	6	25
KP82294	M3 x 0.50	8	25
KP82295	M3 x 0.50	10	25
KP82296	M3 x 0.50	12	25

Part No.	Dia. x Pitch	Length (mm)	Unit
41906	M4 x 0.7	6	25
41907	M4 x 0.7	8	25
41908	M4 x 0.7	10	25
41909	M4 x 0.7	12	25
41910	M4 x 0.7	16	25
41911	M4 x 0.7	20	25
41912	M4 x 0.7	25	25

Part No.	Dia. x Pitch	Length (mm)	Unit
-41914-1	M5 x 0.8	8	25
41915	M5 x 0.8	10	25
41916	M5 x 0.8	12	25
-41916-1	M5 x 0.8	14	25
41917	M5 x 0.8	16	25
41918	M5 x 0.8	20	25
41919	M5 x 0.8	25	25
41920	M5 x 0.8	30	25

Part No.	Dia. x Pitch	Length (mm)	Unit
41925	M6 x 1.0	10	25
41926	M6 x 1.0	12	25
-41926-1	M6 x 1.0	14	25
41927	M6 x 1.0	16	25
41928	M6 x 1.0	20	25
41929	M6 x 1.0	25	25
41930	M6 x 1.0	30	25

Part No.	Dia. x Pitch	Length (mm)	Unit
41935	M8 x 1.25	10	25
41936	M8 x 1.25	12	25
-41936-1	M8 x 1.25	14	25
41937	M8 x 1.25	16	25
41938	M8 x 1.25	20	25
41939	M8 x 1.25	25	25
41940	M8 x 1.25	30	25
41941	M8 x 1.25	35	25
41942	M8 x 1.25	40	25

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Part No.	Dia. x Pitch	Length (mm)	Unit
41945	M10 x 1.5	16	25
41946	M10 x 1.5	20	25
41947	M10 x 1.5	25	25
41948	M10 x 1.5	30	25
41949	M10 x 1.5	35	25
41950	M10 x 1.5	40	25

Part No.	Dia. x Pitch	Length (mm)	Unit
41955	M12 x 1.75	20	10
41960	M12 x 1.75	25	10
41961	M12 x 1.75	30	10
41964	M12 x 1.75	45	10
41965	M12 x 1.75	50	10

## Metric 12.9 Socket Set Screws

2780



- Meets ANSI B18.3.6M dimensional specifications
- Property class 45H
- Alloy steel
- Black oxide finish
- Cup point
- Standard thread

Part No.	Dia. x Pitch	Length (mm)	Unit
42909	M4 x 0.7	4	50
42910	M4 x 0.7	5	50
42911	M4 x 0.7	6	50
42912	M4 x 0.7	8	50
42913	M4 x 0.7	10	50
42914	M4 x 0.7	12	50
42915	M4 x 0.7	14	50

Part No.	Dia. x Pitch	Length (mm)	Unit
42918	M5 x 0.8	5	50
42919	M5 x 0.8	6	50
42920	M5 x 0.8	8	50
42921	M5 x 0.8	10	50
42922	M5 x 0.8	12	50
42923	M5 x 0.8	14	50
42924	M5 x 0.8	16	50
42925	M5 x 0.8	20	50

Part No.	Dia. x Pitch	Length (mm)	Unit
42928	M6 x 1.0	6	50
42929	M6 x 1.0	8	50
42930	M6 x 1.0	10	50
42931	M6 x 1.0	12	50
42932	M6 x 1.0	14	50
42933	M6 x 1.0	16	50
42934	M6 x 1.0	20	25
42935	M6 x 1.0	25	25
42936	M6 x 1.0	30	25

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Part No.	Dia. x Pitch	Length (mm)	Unit
42938	M8 x 1.25	8	50
42939	M8 x 1.25	10	50
42940	M8 x 1.25	12	50
42941	M8 x 1.25	14	25
42942	M8 x 1.25	16	25
42943	M8 x 1.25	20	25
42944	M8 x 1.25	25	25
42945	M8 x 1.25	30	25

Part No.	Dia. x Pitch	Length (mm)	Unit
42952	M10 x 1.5	10	25
42953	M10 x 1.5	12	25
42954	M10 x 1.5	14	25
42955	M10 x 1.5	16	25
42956	M10 x 1.5	20	10
42957	M10 x 1.5	25	10
42958	M10 x 1.5	30	10
42960	M10 x 1.5	40	10
42962	M10 x 1.5	50	10

Part No.	Dia. x Pitch	Length (mm)	Unit
42965	M12 x 1.75	12	10
42966	M12 x 1.75	14	10
42967	M12 x 1.75	16	10
42968	M12 x 1.75	20	10
42969	M12 x 1.75	25	10
42970	M12 x 1.75	30	10
42972	M12 x 1.75	40	10
42974	M12 x 1.75	50	10

## Machine Screws

### Metric Phillips Pan Head - JIS



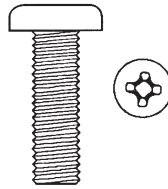
- Meets JIS-1111 specifications
- Zinc plating

Part No.	Dia x Pitch	Length (mm)	Unit
KP75089	M3 X 0.50	6	100
C31050	M3 x 0.50	8	100
C31051	M3 x 0.50	10	100
C87423	M4 x 0.70	8	100
C87424	M4 x 0.70	10	100
C87425	M4 x 0.70	12	100
C87426	M4 x 0.70	16	100
C87427	M4 x 0.70	20	100
C87428	M4 x 0.70	25	50
C31059	M4 x 0.70	35	25
C87432	M5 x 0.80	10	100
C31065	M5 x 0.80	12	100
C87433	M5 x 0.80	16	100
C87434	M5 x 0.80	20	100
C87435	M5 x 0.80	25	50
C87436	M5 x 0.80	30	50

Part No.	Dia x Pitch	Length (mm)	Unit
C87437	M6 x 1.00	10	100
C87438	M6 x 1.00	12	100
C87439	M6 x 1.00	16	100
C87440	M6 x 1.00	18	100
C87441	M6 x 1.00	20	100
C87442	M6 x 1.00	25	50
C87443	M6 x 1.00	30	50
C87444	M6 x 1.00	35	25
C87445	M6 x 1.00	40	25

### Metric Machine Screws

#### Phillips Pan Head - DIN



- Meets DIN 7985A specifications
- Property class 4.8
- Steel
- Zinc plated
- Standard thread
- For use with: Bowman flat washers 42460 series, hex stop nuts 41749 series, hex nuts 42430 series

Part No.	Dia. x Pitch	Length (mm)	Unit
C629303	M2.5 x 0.45	6	100
C629305	M2.5 x 0.45	8	100
C629307	M2.5 x 0.45	12	100

Part No.	Dia. x Pitch	Length (mm)	Unit
C90588	M3 x 0.5	6	100
43581	M3 x 0.5	8	50
43582	M3 x 0.5	10	50
C90591	M3 x 0.5	12	100
43584	M3 x 0.5	16	50
43585	M3 x 0.5	20	50
43586	M3 x 0.5	25	50
KP85865	M3 X 0.50	30	100

Part No.	Dia. x Pitch	Length (mm)	Unit
C85061	M4 x 0.7	6	100
43599	M4 x 0.7	8	50
43600	M4 x 0.7	10	50
C85064	M4 x 0.7	12	100
C85065	M4 x 0.7	16	100
43604	M4 x 0.7	20	50
43605	M4 x 0.7	25	50
43606	M4 x 0.7	30	50
43608	M4 x 0.7	40	50
43610	M4 x 0.7	50	50

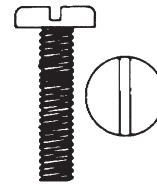
Part No.	Dia. x Pitch	Length (mm)	Unit
43616	M5 x 0.8	8	50
43617	M5 x 0.8	10	50
43618	M5 x 0.8	12	50
43619	M5 x 0.8	16	50
43621	M5 x 0.8	20	50
43622	M5 x 0.8	25	50
43623	M5 x 0.8	30	50
43625	M5 x 0.8	40	50
43627	M5 x 0.8	50	50

Part No.	Dia. x Pitch	Length (mm)	Unit
43631	M6 x 1.0	10	50
43632	M6 x 1.0	12	50
43633	M6 x 1.0	16	50
43634	M6 x 1.0	20	50
43635	M6 x 1.0	25	50
43636	M6 x 1.0	30	50
43637	M6 x 1.0	35	50
43638	M6 x 1.0	40	50
43640	M6 x 1.0	50	50

Part No.	Dia. x Pitch	Length (mm)	Unit
43645	M8 x 1.25	20	25
43646	M8 x 1.25	25	25
43647	M8 x 1.25	30	25

### Metric Machine Screws

#### Slotted Cheese Head



- Meets DIN 84A specifications
- Property class 4.8
- Steel
- Zinc plated
- Standard thread
- For use with: Bowman flat washers 42460 series, hex lock nuts 41749 series, hex nuts 42430 series

Part No.	Dia. x Pitch	Length (mm)	Unit
43203	M3 x 0.5	8	50
43204	M3 x 0.5	10	50
43205	M3 x 0.5	12	50

Part No.	Dia. x Pitch	Length (mm)	Unit
43223	M4 x 0.7	6	50
43224	M4 x 0.7	8	50
43225	M4 x 0.7	10	50
43226	M4 x 0.7	12	50
43227	M4 x 0.7	16	50
43229	M4 x 0.7	20	50
43231	M4 x 0.7	25	50
43233	M4 x 0.7	30	50
43234	M4 x 0.7	35	50
43235	M4 x 0.7	40	50
43237	M4 x 0.7	50	50

Part No.	Dia. x Pitch	Length (mm)	Unit
43239	M5 x 0.8	8	50
43240	M5 x 0.8	10	50
43241	M5 x 0.8	12	50
43242	M5 x 0.8	16	50
43244	M5 x 0.8	20	50
43248	M5 x 0.8	30	50
43249	M5 x 0.8	35	50
C31042	M5 x 0.8	40	50

Part No.	Dia. x Pitch	Length (mm)	Unit
43254	M6 x 1.0	8	50
43255	M6 x 1.0	10	50
43256	M6 x 1.0	12	50
43257	M6 x 1.0	16	50
43259	M6 x 1.0	20	50
43261	M6 x 1.0	25	50

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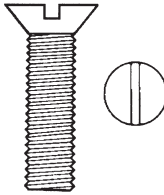
Part No.	Dia. x Pitch	Length (mm)	Unit
43263	M6 x 1.0	30	50
43264	M6 x 1.0	35	50
43265	M6 x 1.0	40	50
43266	M6 x 1.0	45	50
43267	M6 x 1.0	50	50

Part No.	Dia. x Pitch	Length (mm)	Unit
C84283	M8 x 1.25	40	100

Non-stock items furnished non-plated.

**Note:** These items are furnished non-plated.

## Metric Machine Screws Slotted Flat Head



- Meets DIN 963 specifications
- Property class 4.8
- Steel
- Zinc plated
- Standard thread
- For use with: Bowman flat washers 42460 series, hex stop nuts 41749 series, hex nuts 42430 series

Part No.	Dia. x Pitch	Length (mm)	Unit
43309	M4 x 0.7	6	50
43310	M4 x 0.7	8	50
43311	M4 x 0.7	10	50
43312	M4 x 0.7	12	50
43314	M4 x 0.7	16	50
43315	M4 x 0.7	20	50

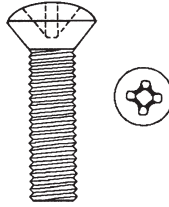
Part No.	Dia. x Pitch	Length (mm)	Unit
43322	M5 x 0.8	16	50
43323	M5 x 0.8	20	50
43324	M5 x 0.8	25	50

Part No.	Dia. x Pitch	Length (mm)	Unit
C84640	M6 x 1.0	8	100
43327	M6 x 1.0	10	50
43330	M6 x 1.0	16	50
43331	M6 x 1.0	20	50
43333	M6 x 1.0	30	50

Part No.	Dia. x Pitch	Length (mm)	Unit
43335	M8 x 1.25	10	25

## Metric Machine Screws

### Phillips Oval head



- Meets DIN 966 specifications
- Property class 4.8
- Steel
- Zinc plated
- Standard thread
- For use with: Bowman flat washers 42460 series, hex stop nuts 41749 series, hex nuts 42430 series

Part No.	Dia. x Pitch	Length (mm)	Unit
43665	M3 x 0.5	6	50
43667	M3 x 0.5	10	50
43669	M3 x 0.5	16	50

Part No.	Dia. x Pitch	Length (mm)	Unit
43681	M4 x 0.7	6	50
43682	M4 x 0.7	8	50
43683	M4 x 0.7	10	50
43685	M4 x 0.7	16	50
43687	M4 x 0.7	20	50
43688	M4 x 0.7	25	50
43689	M4 x 0.7	30	50
43691	M4 x 0.7	40	50

Part No.	Dia. x Pitch	Length (mm)	Unit
43696	M5 x 0.8	8	50
43697	M5 x 0.8	10	50
C85670	M5 x 0.8	12	100
C85671	M5 x 0.8	16	100
43701	M5 x 0.8	20	50
43702	M5 x 0.8	25	50
43703	M5 x 0.8	30	50
43705	M5 x 0.8	40	50

Part No.	Dia. x Pitch	Length (mm)	Unit
43711	M6 x 1.0	10	50
43712	M6 x 1.0	12	50
43713	M6 x 1.0	16	50
43714	M6 x 1.0	20	50
43715	M6 x 1.0	25	50
43716	M6 x 1.0	30	50

Part No.	Dia. x Pitch	Length (mm)	Unit
43728	M8 x 1.25	20	25
C85682	M8 x 1.25	25	25

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## Hex Nuts

### Metric Class 10 Hex Nuts DIN/ANSI

2790



- Meets DIN 934 and ANSI Specifications
- Medium carbon steel
- Multiple heat treated
- Zinc plated
- Standard thread
- For use with Property Class 10.9, 9.8 and 8.8 bolts, screws and studs

Part No.	Dia. x Pitch	Flats (mm)	Thick (mm)	Unit
44183	M4 x 7.0	7	2.2	50
44185	M6 x 1.00	10	5	50
44187	M8 x 1.25	13	6.5	50
44188	M10 x 1.50	17	8	50
MP44188	M10 x 1.5	17	8	25
44197	M10 x 1.50	16 ANSI	8.4	50
44189	M12 x 1.75	19	10	50
MP44189	M12 x 1.75	19	10	10
44198	M12 x 1.75	18 ANSI	10	50
44190	M14 x 2.00	22	11	25
MP44190	M14 x 2.0	22	11	10
44191	M16 x 2.00	24	13	25
MP44191	M16 x 2.00	24	13	10
44192	M18 x 2.50	27	15	25
MP44192	M18 x 2.5	27	15	10
44193	M20 x 2.50	30	16	25
MP44193	M20 x 2.50	30	16	10
44194	M24 x 3.00	36	19	25
MP44194	M24 x 3.00	36	19	10
44196	M30 x 3.50	46	24	25
MP44196	M30 x 3.5	46	24	5

### Metric Small Head Hex Flange Nuts

2805



- Property Class 10
- Meets JIS B 1190 specifications
- Zinc plated
- Spin lock type flange

Part No.	Dia. x Pitch	Across Flats (mm)	Flange Dia. (mm)	Unit
*CD551147	M5 X 0.80	8	11.2	100
4580	M6 x 1.0	10	13	50
4581	M8 x 1.25	12	17	50
4582	M10 x 1.25	14	19	50
*CD551418	M12 X 1.75	19	24	25

\*Canada only

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