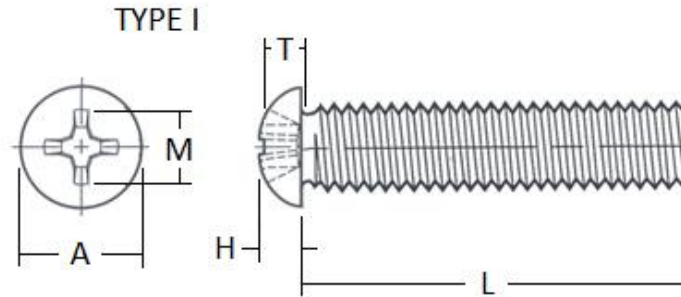


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Machine Screw, Round Head Cross Recessed, 18-8 Stainless Steel

This product standard contains the required dimensional, mechanical, performance, and chemical characteristics of the products shown in this purchase order (as applicable to the product). Unless specified below, current revisions of national or international standards shall be applicable as of the date of Fastenal's purchase order and must be adhered to in their entirety. If the order received does not meet these requirements, corrective action may be issued which could jeopardize your status as an approved supplier to Fastenal.



Nominal Size or Basic Screw Diameter		A		H		M	Driver Size	T	
		Head Diameter		Head Height		Recess Diameter		Recess Penetration Gaging Depth	
		Max.	Min.	Max.	Min.	Ref.		Max.	Min.
#0	0.0600	0.113	0.099	0.053	0.043	0.066	0	0.035	0.015
#1	0.0730	0.138	0.122	0.061	0.051	0.075	0	0.045	0.026
#2	0.0860	0.162	0.146	0.069	0.059	0.093	1	0.046	0.027
#3	0.0990	0.187	0.169	0.078	0.067	0.102	1	0.055	0.035
#4	0.1120	0.211	0.193	0.086	0.075	0.111	1	0.065	0.046
#5	0.1250	0.236	0.217	0.095	0.083	0.147	2	0.063	0.035
#6	0.1380	0.260	0.240	0.103	0.091	0.155	2	0.073	0.045
#8	0.1640	0.309	0.287	0.120	0.107	0.171	2	0.090	0.064
#10	0.1900	0.359	0.334	0.137	0.123	0.188	2	0.108	0.082
#12	0.2160	0.408	0.382	0.153	0.139	0.242	3	0.108	0.082
1/4	0.2500	0.472	0.443	0.175	0.160	0.261	3	0.130	0.104
5/16	0.3125	0.590	0.557	0.216	0.198	0.301	3	0.170	0.144
3/8	0.3750	0.708	0.670	0.256	0.237	0.380	4	0.208	0.182

Specification Requirements: Unless otherwise specified, all applicable requirements shall be in accordance with ASME B18.6.3

- Dimensions: ASME B18.6.3
**Exception: screws 6 inches and shorter are fully threaded
- Material: 18-8 Stainless Steel meeting the following chemical composition %:
C: 0.10 (Max.), Mn 2.00 (Max.), Cr^A: 16.0 – 20.0, Ni: 8.0 – 19.0,
P: 0.045 (Max.), S: 0.030 (Max.), Cu: 4.0 (Max.)
A. If chromium content is below 17.0%, the minimum nickel content shall be 12.0%.
- Drive: Cross Recess, Type I
- Threads: ASME B1.1, UNC & UNF, Class 2A
(Fastenal will inspect and accept parts with a 1A no-go gauge)
- Finish: ASTM A380/A380M

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**RECORD OF REVISION CHANGES TO THIS DOCUMENT ARE LOCATED ON THE
LAST PAGE**

Revision Level Changes to this Document

Document Name	Revision Level	Revision Date	Rationale for Revision
MS.RPH.SS	04	12/20/2021	Updated format.
MS.RPH.SS	05	7/25/2022	Added chemical composition.
MS.RPH.SS	06	9/22/2025	Revised chemical composition.

The rationale above may not include all of the changes within each revision. A complete review of the Fastenal Product Standard is required.