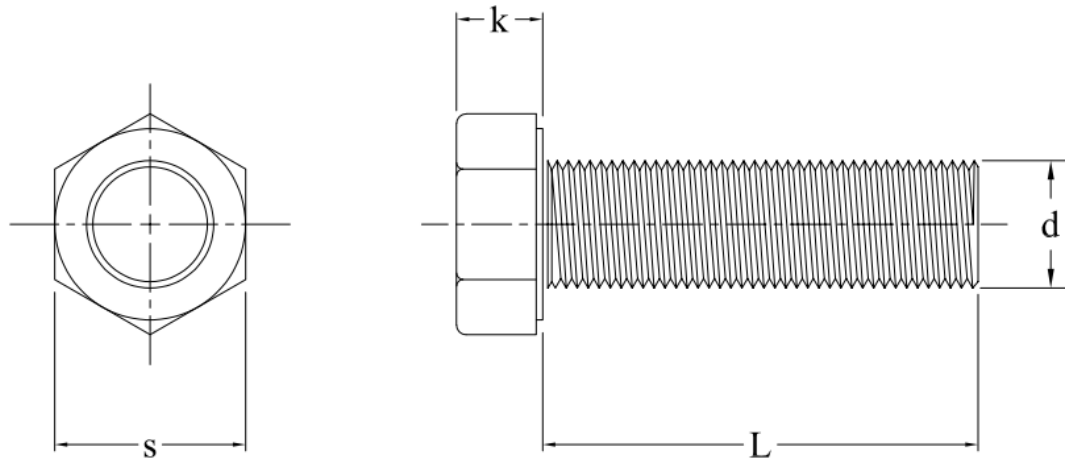


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Metric, Hex Cap Screw, ISO 4017, Fully Threaded, Class 10.9, Zinc

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	d		s			k			
	Major Diameter		Width Across Flats			Head Height			
	Min.	Max.	Max.	Min.		Min.	Max.	Min.	Max.
				Grade A	Grade B	Grade A		Grade B	
M3	2.874	2.980	5.5	5.32	5.20	1.875	2.125	1.80	2.20
M4	3.838	3.978	7.0	6.78	6.64	2.675	2.925	2.60	3.00
M5	4.826	4.976	8.0	7.78	7.64	3.350	3.650	3.26	3.74
M6	5.794	5.974	10.0	9.78	9.64	3.850	4.150	3.76	4.24
M8	7.760	7.972	13.0	12.73	12.57	5.150	5.450	5.06	5.54
M10	9.732	9.968	16.0	15.73	15.57	6.220	6.580	6.11	6.69
M12	11.701	11.966	18.0	17.73	17.57	7.320	7.680	7.21	7.79
M14	13.682	13.962	21.0	20.67	20.16	8.620	8.980	8.51	9.09
M16	15.682	15.962	24.0	23.67	23.16	9.820	10.180	9.71	10.29
M18	17.732	17.968	27.0	26.67	26.16	11.285	11.715	11.15	11.85
M20	19.623	19.958	30.0	29.67	29.16	12.285	12.715	12.15	12.85
M22	21.623	21.958	34.0	33.38	33.00	13.785	14.215	13.65	14.35
M24	23.577	23.952	36.0	35.38	35.00	14.785	15.215	14.65	15.35
M27	26.577	26.952	41.0	-	40.00	-	-	16.65	17.35
M30	29.522	29.947	46.0	-	45.00	-	-	18.28	19.12
M36	35.465	35.940	55.0	-	53.80	-	-	22.08	22.92

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

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Specification Requirements:

- Dimensions: ISO 4017
- Material: ISO 898-1; Class 10.9
- Mechanical: ISO 898-1; Class 10.9
- Threads: 6g per ISO 724; ISO 965-1
- Product Marking: Manufacturer's ID and 10.9
- Finish: ISO 4042/Zn5/An
- Material Test Reports: The MTR must have documented lot traceability, dimensional results, full chemical test results and full mechanical test results to the specification(s) above. In addition, the MTR shall be in full compliance with Fastenal's MTR Requirements.
- Quality Assurance Provisions:

Final inspection per Category 3 of ASME B18.18 shall be performed by an ISO/IEC 17025 accredited laboratory with all test methods within the lab scope. The sample size for Category 3 shall be used, unless the producer has in-process records, in which case, Category 2 sample size may be used. Final inspection shall consist of the following:

 - a) Verifying in-process inspection records for conformity
 - b) Conducting any additional dimensional inspections to meet required sample size
 - c) Conducting all applicable mechanical and performance tests

Resellers shall randomly select fasteners from a verifiable single lot and conduct the final inspection in a facility accredited to the requirements of ISO/IEC 17025 using the Category 3 sample size and attributes of ASME B18.18. The original producers inspection shall accompany the resellers final inspection certification.

Revision Level Changes to this Document

Document Name	Revision Level	Revision Date	Rationale for Revision
M.HCS.4017.10.9.Z	01	3/25/2019	Revised zinc plating designation.
M.HCS.4017.10.9.Z	02	9/4/2019	Added sizes.
M.HCS.4017.10.9.Z	03	11/25/2022	Refined image.
M.HCS.4017.10.9.Z	04	3/4/2025	Added information to CAT 3 requirement.
M.HCS.4017.10.9.Z	05	10/9/2025	Updated CAT 3 requirement.

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