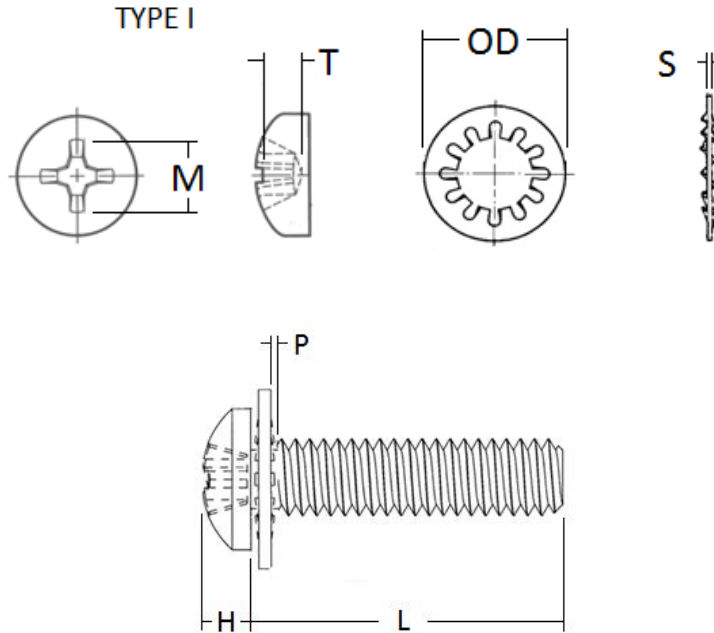


Page 1 of 2	Fastenal Product Standard	REV-08
Date: August 8, 2022	FASTENAL	SEM.PPH.INT.SS

SEM, Pan Cross Recessed, 18-8 Stainless Steel, Internal Tooth Lock Washer made from 410 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	Head Diameter		H		M	S		OD		Drive Size	T		P
			Head		Recess	Washer		Washer			Penetration		Shank
	Max.	Min.	Max.	Min.	Ref.	Max.	Min.	Max.	Min.		Max.	Min.	Max.
#2	.167	.155	.062	.053	.097	.016	.010	.185	.175	1	.052	.034	1 Thread Pitch
#4	.219	.205	.080	.070	.115	.018	.012	.268	.258	1	.071	.053	
#6	.270	.256	.097	.087	.159	.022	.016	.288	.278	2	.080	.055	
#8	.322	.306	.115	.105	.175	.023	.018	.338	.327	2	.097	.071	
#10	.373	.357	.133	.122	.192	.024	.018	.383	.372	2	.113	.089	
1/4	.492	.473	.175	.162	.274	.028	.023	.478	.466	3	.144	.118	

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

Page 2 of 2	Fastenal Product Standard	REV-08
Date: August 8, 2022	<i>FASTENAL</i>	SEM.PPH.INT.SS

Specification Requirements:

- Dimensions: Screw: ASME B18.6.3
Washer: ASME B18.13
- Drive: Cross Recess, Type I
- Material: Screw: 18-8 Stainless Steel meeting the following chemical composition %: C: 0.10 (Max.), Mn 2.00 (Max.), Cr 16.0 - 20.0, Ni 8.0 - 19.0
Washer: 410 Stainless Steel
- Hardness: Washer: HRC 40 – 50
- Threads: ASME B1.1, UNC & UNF, Class 2A
- Finish: ASTM A380/A380M

Revision Level Changes to this Document

Document Name	Revision Level	Revision Date	Rationale for Revision
SEM.PPH.INT.SS	07	6/2/2020	ASME B18.13 replaced ASME B18.13a. Added A380M to finish specification.
SEM.PPH.INT.SS	08	8/8/2022	Added 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.