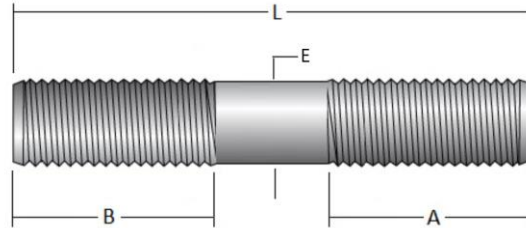


Stud, Double End, SAE J429 Grade 8, Phosphate and Oil

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.



Part Number	E	A		B		Overall Length	Length Tolerance
		Thread Pitch	Thread Length ± 0.045"	Thread Pitch	Thread Length ± 0.045"		
11105067	5/16	24	0.625	18	0.500	1.250	± 0.03
11105068	5/16	24	0.625	18	0.750	1.500	± 0.03
11105069	5/16	24	1.000	18	0.563	2.000	± 0.03
11105070	3/8	24	0.750	16	0.500	1.500	± 0.03
11105071	3/8	24	0.750	16	0.500	1.750	± 0.03
11105072	3/8	24	1.000	16	0.625	2.000	± 0.03
11105075	3/8	24	2.000	16	0.625	3.000	± 0.03
11105076	7/16	20	0.750	14	0.563	1.750	± 0.03
11105077	7/16	20	0.875	14	0.750	2.000	± 0.03
11105078	7/16	20	0.750	14	0.750	2.250	± 0.03
11105079	7/16	20	1.375	14	0.750	2.500	± 0.03
11105081	7/16	20	1.813	14	0.750	3.000	± 0.03
11105082	1/2	20	0.938	13	0.813	2.000	± 0.03
11105083	1/2	20	1.125	13	0.750	2.250	± 0.03
11105085	1/2	20	2.000	13	0.750	3.000	± 0.03
11118313	1/4	28	0.375	20	0.438	1.000	± 0.03
11118314	1/4	28	0.500	20	0.500	1.250	± 0.03
11118315	1/4	28	0.750	20	0.500	1.500	± 0.03
11118318	5/16	24	0.875	18	0.563	1.750	± 0.03
11118319	5/16	18	0.875	18	0.438	1.500	± 0.03
11118320	5/16	18	1.000	18	0.438	2.000	± 0.03
11118322	3/8	16	1.125	16	0.625	2.000	± 0.03
11118323	3/8	16	1.625	16	0.438	3.250	± 0.03
11118324	7/16	14	0.813	14	0.750	1.750	± 0.03
11118329	9/16	18	1.250	12	1.000	3.000	± 0.06
11118330	5/8	18	1.250	11	1.000	3.000	± 0.06
11118331	3/4	10	1.563	10	1.063	2.813	± 0.06
11120658	1/2	20	1.000	13	0.750	2.500	± 0.03
11118333	3/8	16	0.500	16	1.875	2.500	± 0.03
11118332	3/8	16	0.625	16	2.000	3.000	± 0.03
11118334	3/8	16	1.625	16	0.438	2.219	± 0.03

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

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Date: April 5, 2021		STD.DE.GR8.PO

Specification Requirements:

- **Dimensions:** See Table Above
- **Material & Mechanical Properties:** SAE J429 Grade 8
- **Supplier Sampling Plan:** Dimensions: ASME B18.18
Mechanical: ASTM F1470
- **Thread Requirements:** ASME B1.1, UNC & UNF, Class 2A
- **Finish:** Grade D per ASTM F1137/F1137M
- **Product Marking:** Manufacturer ID and grade mark per SAE J429 Grade 8 Studs with nominal diameters 3/8" and less, may have the manufacturer's mark and grade symbol on separate ends.
- **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 Provision:** Category 3 of ASME B18.18

Revision Level Changes to this Document

Document Name	Revision Level	Revision Date	Rationale for Revision
STD.DE.GR8.PO	01	12/18/2018	Revised finish specification.
STD.DE.GR8.PO	02	1/24/2019	Removed marking requirement.
STD.DE.GR8.PO	03	1/30/2019	Added marking requirement.
STD.DE.GR8.PO	04	4/5/2021	Revised image and added Quality Assurance Provision Category 3.

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