

# SLEEVE-ALL® Sleeve Anchors



Sleeve-All® sleeve anchors are pre-assembled expanding sleeve anchors for use in all types of solid base materials. These anchors are available in acorn, hex, rod coupler, flat or round head styles for a wide range of applications.

**MATERIAL:** Carbon and stainless steel

**FINISH:** Carbon Steel: Zinc plated

**INSTALLATION:** Caution: Oversized holes will make it difficult to set the anchor and will reduce the anchor's load capacity.

- Drill a hole in the base material using a carbide drill bit the same diameter as the nominal diameter of the anchor to be installed. Drill the hole to the specified embedment depth and blow it clean using compressed air. Overhead installations need not be blown clean. Alternatively, drill the hole deep enough to accommodate embedment depth and dust from drilling.
- Place the anchor in the fixture and drive into the hole until the washer and nut are tight against fixture.
- Tighten to required installation torque.

**CODES:** Factory Mutual 3017082, 3026805 and 3029959, 3/8"-3/4" dia.; Underwriters Laboratories File Ex3605, 3/8"-3/4" dia. Meets requirements of Federal Specifications A-A-1922A.

The load tables list values based upon results from the most recent testing and may not reflect those in the current code reports. Where code jurisdictions apply, consult the current reports for applicable load values.

**SUGGESTED SPECIFICATIONS:**

Sleeve anchors shall be zinc plated studs having a minimum 50,000 psi tensile strength with an expansion sleeve meeting AISI 1008 cold rolled steel or type 304 stainless steel stud with a type 304 stainless-steel expansion sleeve, as called for on the drawings. Sleeve anchors shall meet Federal Specifications A-A-1922A. Anchors shall be Sleeve-All® expanding sleeve anchors from Simpson Strong-Tie, Pleasanton, CA. Anchors shall be installed following the Simpson Strong-Tie instructions for Sleeve-All expanding sleeve anchors.

## SLEEVE-ALL ANCHORS



Acorn



Hex



Flat (Phillips Head)

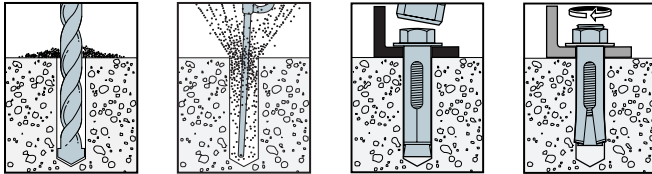


Round



Rod Coupler

### Sleeve-All Anchor Installation Sequence



### Material Specifications

Anchor Component	Zinc Plated Carbon Steel	304 Stainless Steel
Anchor Body	Material meets minimum 50,000 psi tensile	Type 304
Sleeve	SAE J403, Grade 1008 Cold Rolled Steel	Type 304
Nut	Commercial Grade, meets requirements of ASTM A563 Grade A	Type 304
Washer	SAE J403, Grade 1008/1010 Cold Rolled Steel	Type 304

### Sleeve-All® Anchor Installation Data

Sleeve-All Dia. (in.)	1/4	5/16	3/8	1/2	5/8	3/4
Bit Size (in.)	1/4	5/16	3/8	1/2	5/8	3/4
Wrench Size <sup>1</sup> (in.)	3/8	7/16	1/2	9/16	3/4	15/16
Wrench Size for Coupler Nut (in.)			1/2	5/8	3/4	-

1. Applies to Acorn and Hex head configurations only.

### Length Identification Head Marks on Sleeve-All Anchors (corresponds to length of anchor – inches).

Mark	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
From	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2	8	8 1/2	9	9 1/2	10	11	12	13	14	15	16	17	18
Up To But Not Including	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2	8	8 1/2	9	9 1/2	10	11	12	13	14	15	16	17	18	19