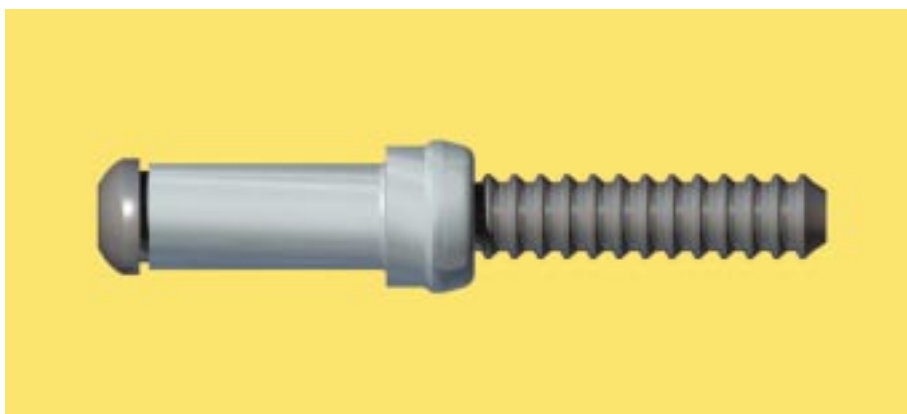
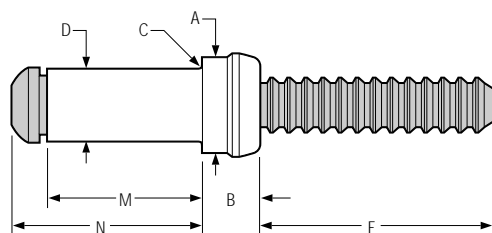


## BOM® LockRite™

High-strength industrial blind bolt. Meets ASTM A307 strength requirements. Use in situations where a two-piece fastener would commonly be used. BOM® fastener install from just one side by a single worker—saving time and reducing cost.

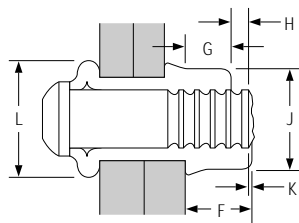


### Dimensional Data



Dia. (No.)	A	B	C max	D	E
<b>3/16</b> (6)	.286 -.276	.152 -.168	.015	.206 -.196	.785
<b>1/4</b> (8)	.380 -.368	.205 -.225	.020	.275 -.262	.860
<b>5/16</b> (10)	.478 -.468	.266 -.278	.025	.346 -.332	1.285
<b>3/8</b> (12)	.563 -.553	.315 -.327	.030	.411 -.393	1.230
<b>1/2</b> (16)	.755 -.745	.415 -.438	.035	.544 -.529	1.530
<b>5/8</b> (20)	.941 -.931	.507 -.545	.040	.685 -.662	1.710
<b>3/4</b> (24)	1.130 -1.120	.637 -.654	.050	.816 -.795	2.150

### Installed Dimensions



Dia.	F nom	G min	H max	J max	K max	L nom
<b>3/16</b>	.177	7/64	3/32	.261	1/32	.306
<b>1/4</b>	.232	5/32	3/32	.346	1/32	.405
<b>5/16</b>	.304	3/16	11/64	.434	3/64	.517
<b>3/8</b>	.357	13/64	11/64	.510	3/64	.605
<b>1/2</b>	.475	19/64	11/64	.686	1/16	.841
<b>5/8</b>	.595	13/32	5/16	.874	5/64	1.038
<b>3/4</b>	.722	7/16	5/16	1.027	5/64	1.267

### Grip Data

**6 (3/16) Dia. Hole Size=.208-.222 (7/32)**

Grip No.	Range	M ref	N max	Grip No.	Range	M ref	N max
2	.093 -.156	.376	.500	2	.093 -.156	.460	.620
3	.157 -.219	.439	.562	3	.157 -.219	.523	.682
4	.220 -.281	.501	.625	4	.220 -.281	.585	.745
5	.282 -.344	.564	.687	5	.282 -.344	.648	.807
6	.345 -.406	.626	.750	6	.345 -.406	.710	.870
7	.407 -.469	.689	.812	7	.407 -.469	.773	.932
8	.470 -.531	.751	.875	8	.470 -.531	.835	.995
9	.532 -.594	.814	.937	9	.532 -.594	.898	1.057
10	.595 -.656	.876	1.000	10	.595 -.656	.960	1.120
11	.657 -.719	.939	1.062	11	.657 -.719	1.023	1.182
12	.720 -.781	1.001	1.125	12	.720 -.781	1.085	1.245

**Grip Data**

<b>10 (5/16) Dia. Hole Size=.348-.368</b>				<b>12 (3/8) Dia. Hole Size=.413-.435</b>			
<b>Grip No.</b>	<b>Range</b>	<b>M ref</b>	<b>N max</b>	<b>Grip No.</b>	<b>Range</b>	<b>M ref</b>	<b>N max</b>
4	.188 -.312	.695	.875	4	.188 -.312	.766	.969
6	.313 -.437	.820	1.000	6	.313 -.437	.891	1.094
8	.438 -.562	.945	1.125	8	.438 -.562	1.016	1.219
10	.563 -.687	1.070	1.250	10	.563 -.687	1.141	1.344
12	.688 -.812	1.195	1.375	12	.688 -.812	1.266	1.469
14	.813 -.937	1.320	1.500	14	.813 -.937	1.391	1.594
16	.938 -1.062	1.445	1.625	16	.938 -1.062	1.516	1.719
18				18	1.063 -1.187	1.641	1.844
20				20	1.188 -1.312	1.766	1.969

**Grip Data**

<b>16 (1/2) Dia. Hole Size=.546-.581 (9/16)</b>				<b>20 (5/8) Dia. Hole Size=.687-.728 (11/16)</b>			
<b>Grip No.</b>	<b>Range</b>	<b>M ref</b>	<b>N max</b>	<b>Grip No.</b>	<b>Range</b>	<b>M ref</b>	<b>N max</b>
4	.251 -.375	1.000	1.266	4	.251 -.500	1.213	1.531
6	.376 -.500	1.125	1.391				
8	.501 -.625	1.250	1.516	8	.501 -.750	1.463	1.781
10	.626 -.750	1.375	1.641				
12	.751 -.875	1.500	1.766	12	.751 -1.000	1.713	2.031
14	.876 -1.000	1.625	1.891				
16	1.001 -1.125	1.750	2.016	16	1.001 -1.250	1.963	2.281
18	1.126 -1.250	1.875	2.141				
20	1.251 -1.375	2.000	2.266	20	1.251 -1.500	2.213	2.531
22	1.376 -1.500	2.125	2.391				
24	1.501 -1.625	2.250	2.516				

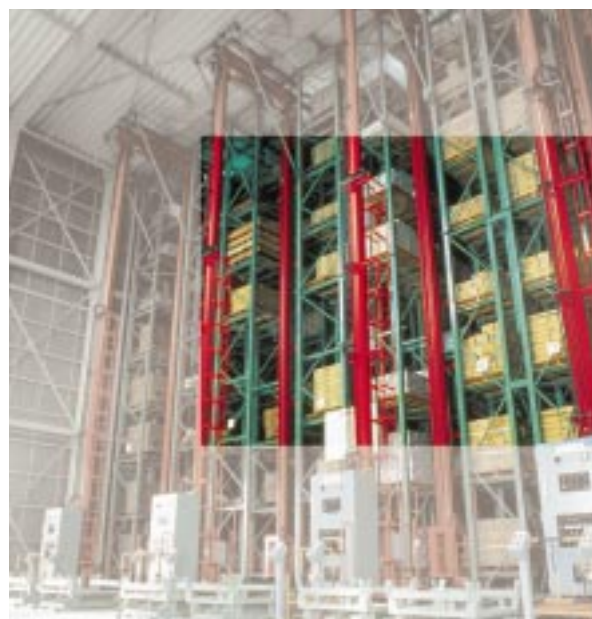
**Grip Data**

<b>24 (3/4) Dia. Hole Size=.828-.873 (13/16)</b>			
<b>Grip No.</b>	<b>Range</b>	<b>M ref</b>	<b>N max</b>
4	.251 -.500	1.380	1.750
8	.501 -.750	1.630	2.000
12	.751 -1.000	1.880	2.250
16	1.001 -1.250	2.130	2.500

**Installed Values in Nominal Grip (lbs.)**

<b>Diameter</b>	<b>Shear</b>	<b>Tensile</b>
<b>3/16</b>	2800	1800
<b>1/4</b>	5100	3250
<b>5/16</b>	8050	5200
<b>3/8</b>	11100	7250
<b>1/2</b>	20150	13000
<b>5/8</b>	31900	20500
<b>3/4</b>	45100	29100

*Note: These are minimum ultimate shear and tensile strengths, in pounds, of installed fastener, when tested in a grip equal to or greater than one and one half the fastener diameter.*



### Material, Finish and Lubrication

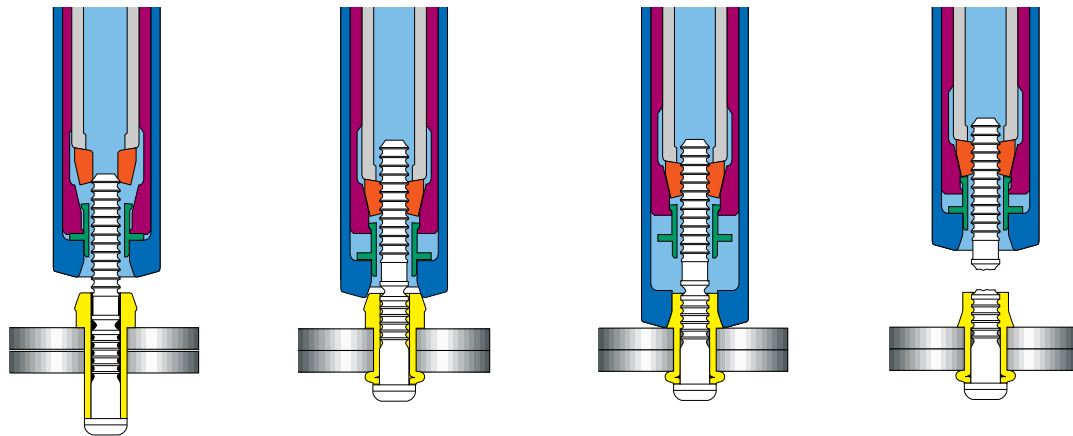
		Material	Finish	Lubrication
<b>Sleeve</b>		Carbon Steel	Zinc plating per specification ASTM B695 or ASTM B633	Wax Film
			Meets specifications of QQ-Z-325 and MIL-C-81562	
<b>Pin</b>	3/16-5/16 Dia.	Carbon Steel	None	Wax Film
	3/8-3/4 Dia.	Alloy Steel	None	Wax Film

### Installation Tooling

Dia.	Installation Tool	Nose Assembly	Type	Use
<b>3/16</b>	230	99-994	Pneudraulic	Maintenance & Repair
	2025	99-994	Pneudraulic	Maintenance & Repair
	212	99-994	Pneudraulic	Production
	245	99-1053 (heavy duty)	Pneudraulic	Production
	246	99-1053 (heavy duty)	Pneudraulic	Production
	2480	99-994	Hydraulic	Production
	2580	99-1053 (heavy duty)	Hydraulic	Production
<b>1/4</b>	245	99-830-1	Pneudraulic	Production
	246	99-830-1	Pneudraulic	Production
	2580	99-830-1	Hydraulic	Production
<b>5/16</b>	246	99-769	Pneudraulic	Production
	2580	99-769	Hydraulic	Production
	2600	99-3119	Hydraulic	Production
<b>3/8</b>	2600	99-3122	Hydraulic	Production
<b>1/2</b>	FE5901	99-5100	Hydraulic	Production
	5901	99-5100	Hydraulic	Production
<b>5/8</b>	585	99-5102	Hydraulic	Production
	586	99-5102	Hydraulic	Production
<b>3/4</b>	586	99-5103	Hydraulic	Production



## Installation Sequence



[Click Here to view animation of installation sequence](#)

## Part Number Identification

**BOM- R 8 - 6**

Grip Range: (See Grip Data Chart)

Diameter: in 1/32" increments

Material: R = steel pin, steel sleeve

**B**lind **O**versize **M**echanical fastener