



LAG SCREW EXPANSION SHIELDS				FF-S-325, Group II, Type 1
Anchor Size	L	Recommended Size of Hole		Proof Test Loads*
	Minimum Anchor Length	Diameter	Depth	Lbs.
1/4 Short	1	1/2	1	400
1/4 Long	1-1/2	1/2	1-1/2	500
5/16 Short	1	1/2	1-1/4	800
5/16 Long	1-3/4	1/2	1-3/4	1000
3/8 Short	1-3/4	5/8	1-3/4	1300
3/8 Long	2-1/2	5/8	2-1/2	1600
1/2 Short	2	3/4	2	2100
1/2 Long	3	3/4	3	2800

\* Recommended safe working load is one-fourth of the proof test load.

<b>Description</b>	A two-piece assembly made of two semi-cylindrical hollow sections interlocked at the top, allowing the shield to expand when in place. The bore of the shield is tapered, has an internal thread for about 2/3 of the length from the bottom, and a ribbed outer surface which resists "backing out" of the hole into which it is inserted.
<b>Applications/ Advantages</b>	Lag Shields are medium-duty anchors which expand to fill the area of the pre-drilled hole when a lag screw is tightened into the shield. Extra-long sizes are for use in mortar or brick. Standard lengths are intended for use in concrete. They can be used in solid or hollow base materials and are more resistant to temperature fluctuations and rust than other light-duty anchors.
<b>Material</b>	Die-cast zinc
<b>Pullout Values</b>	Shields shall meet the proof test loads as noted in the above table. When tested, they shall not be removable when set in concrete of 3000 p.s.i. comprehensive strength and subjected to these specific test loads in an axial direction.
<b>Plating</b>	Lag shields are usually supplied without any additional finishes.