

Product Image



Lag Shields

Lag shields are a two piece die cast anchor that allows for lag screws to be used in materials such as mortar joints, poured concrete, brick and concrete blocks. After drilling the hole the anchor installs with finger pressure or light taps. The lag shield is manufactured in two different lengths; long and short. The shorter style is utilized for harder masonry materials that reduce drilling time, whereas the longer version is used for increased strength in softer or weaker masonry materials.

Product Attributes

PN#	Screw Size	TPI	Drill Size	Length	Max Tightening Torque (ft. lbs)
Short					
HLS14	1/4"	20	1/2"	1"	5
HLS516	5/16"	18	1/2"	1-1/4"	7
HLS38	3/8"	16	5/8"	1-3/4"	10
HLS12	1/2"	13	3/4"	2"	20
Long					
SLS14	1/4"	-	1/2"	1-1/2"	5
SLS516	5/16"	-	1/2"	1-3/4"	7
SLS38	3/8"	-	5/8"	2-1/2"	10
SLS12	1/2"	-	3/4"	3"	20

Ultimate Load Capacities for Lag Shield in Normal-Weight Concrete

PN#	Screw Size	Embedment	Concrete 2.000 psi		Concrete 4.000 psi		Block	
			Tension/lbs	Shear/lbs	Tension/lbs	Shear/lbs	Tension/lbs	Shear/lbs
Short								
HLS14	1/4"	1"	200	790	280	1,005	230	720
HLS516	5/16"	1-1/4"	315	995	515	1,115	360	1,025
HLS38	3/8"	1-3/4"	590	1,175	855	1,450	795	1,125
HLS12	1/2"	2"	800	1,335	1,190	1,600	1,025	1,600
Long								
SLS14	1/4"	1-1/2"	300	790	345	1,005	-	-
SLS516	5/16"	1-3/4"	375	990	550	1,115	-	-
SLS38	3/8"	2-1/2"	740	1,175	1,080	1,450	-	-
SLS12	1/2"	3"	1,460	1,335	2,110	1,600	-	-

PRODUCT SPECIFICATIONS



Allowable Load capacities for Lag Shield in Normal-Weight Concrete

PN#	Screw Size	Embedment	Concrete 2.000 psi		Concrete 4.000 psi		Block	
			Tension/lbs	Shear/lbs	Tension/lbs	Shear/lbs	Tension/lbs	Shear/lbs
Short								
HLS14	1/4"	1"	50	200	70	250	45	145
HLS516	5/16"	1-1/4"	80	245	130	275	70	205
HLS38	3/8"	1-3/4"	145	290	210	360	160	225
HLS12	1/2"	2"	200	330	300	400	205	320
Long								
SLS14	1/4"	1-1/2"	75	200	85	250	-	-
SLS516	5/16"	1-3/4"	90	245	135	275	-	-
SLS38	3/8"	2-1/2"	185	290	270	360	-	-
SLS12	1/2"	3"	365	330	525	400	-	-