

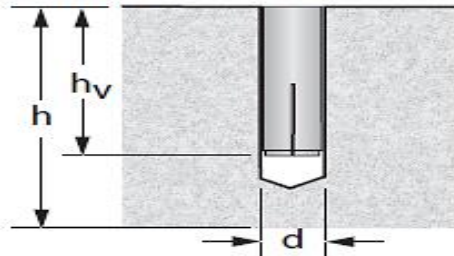
Mini Drop In Anchors

Product Specifications



PRODUCT FEATURES

Length Selection



h_v : Minimum embedment depth
 h : Base material thickness
 d : Anchor diameter
 Note: Anchor diameter = drill bit diameter

Part No	Anchor Thread Dia. and Pitch	Drill Bit Diameter (d)	Anchor Length & Minimum Embedment (h_v)	Allowable Load Capacities (4:1 Safety Factor Applied)					
				2000 psi		4000 psi		6000 psi	
				Shear	Tension	Shear	Tension	Shear	Tension
6335J	1/4-20	3/8"	5/8"	283	248	385	285	405	303
ML6322J	3/8-16	1/2"	3/4"	608	445	945	543	1043	583
6323J	1/2-13	5/8"	1"	990	755	1188	820	1198	920

Part No	Anchor Thread Dia. and Pitch	Thread Depth	Install Torque (ft-lb.)	Ultimate Load Capacities					
				2000 psi		4000 psi		6000 psi	
				Shear	Tension	Shear	Tension	Shear	Tension
6335J	1/4-20	3/8"	3	1130	990	1540	1140	1620	1210
ML6322J	3/8-16	7/16"	5	2430	1780	3780	2170	4170	2330
6323J	1/2-13	5/8"	10	3960	3020	4750	3280	4790	3680

Part No	Anchor Thread Dia. and Pitch	Critical Edge Distance	Minimum Edge Distance	Critical Spacing Distance	Minimum Spacing Distance
6335J	1/4-20	3"	1-1/2"	1-7/8"	15/16"
ML6322J	3/8-16	4-1/2"	2-1/4"	2-1/4"	1-1/8"
6323J	1/2-13	6"	3"	3"	1-1/2"

LOAD ADJUSTMENT FACTORS

Part No	Anchor Thread Dia. and Pitch	Normal Weight & Lightweight Concrete (Tension & Shear)					
		Actual Spacing (inches)*					
		15/16"	1-1/8"	1-1/2"	1-7/8"	2-1/4"	3"
6335J	1/4-20	0.50	0.60	0.80	1.00	n/a	n/a
ML6322J	3/8-16	n/a	0.50	0.67	0.83	1.00	n/a
6323J	1/2-13	n/a	n/a	0.50	0.63	0.75	1.00

*Tension and Shear anchor loads require Critical Spacing to be equal to 3 times embedment depth to reach 100% of load rating. Minimum spacing equals 1.5 times the embedment depth and only reaches 50% load rating.

Warranty: See warranty information for more details.

All dimensions listed are nominal. MAINLINE® reserves the right to make product and material changes at any time without notice.

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Part No	Anchor Thread Dia. and Pitch	Normal Weight Concrete (Tension)				
		Actual Edge Distance (inches)*				
		1-1/2	2-1/4	3	4-1/2	6
6335J	1/4-20	0.90	0.95	1.00	n/a	n/a
ML6322J	3/8-16	n/a	0.90	0.93	1.00	n/a
6323J	1/2-13	n/a	n/a	0.90	0.95	1.00

*Tension anchor loads require Critical Edge Distances to equal 12 times the diameter for reaching 100% of Load rating. Minimum Edge Distance is equal to 6 times anchor diameter and will yield 90% of load rating.

Part No	Anchor Thread Dia. and Pitch	Normal Weight Concrete (Shear)				
		Actual Edge Distance (inches)*				
		1-1/2	2-1/4	3	4-1/2	6
6335J	1/4-20	0.75	0.88	1.00	n/a	n/a
ML6322J	3/8-16	n/a	0.75	0.82	1.00	n/a
6323J	1/2-13	n/a	n/a	0.75	0.88	1.00

*Shear anchor loads require Critical Edge Distances to equal 12 times the diameter for reaching 100% of Load rating. Minimum Edge Distance is equal to 6 times anchor diameter and will yield 75% of load rating.

Warranty: See warranty information for more details.

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