

Ultimate Load Capacities for Caulking Anchors in Normal-Weight Concrete ^{1,2,3,4,5,6,7}

Rod/Anchor Size in.	Minimum Embedment Depth in.	Minimum Concrete Compressive Strength					
		2,000 psi		4,000 psi		6,000 psi	
		Tension lbs.	Shear lbs.	Tension lbs.	Shear lbs.	Tension lbs.	Shear lbs.
# 8-32	1/2	330	310	360	360	370	360
# 10-24	5/8	760	885	960	940	1,100	940
1/4 - 20	7/8	1,190	1,355	1,490	1,410	1,630	1,410
5/16 - 18	1	1,560	1,880	1,960	2,070	2,155	2,070
3/8 - 16	1-1/4	1,980	2,700	2,480	3,305	2,890	3,305
1/2 - 13	1-1/2	2,790	3,995	3,490	4,545	3,800	4,545

1. Caulking anchors are not recommended for use in either life safety or overhead applications.
2. Tabulated load values are ultimate loads and should be reduced by a factor of safety of 4.0 or greater to determine allowable loads.
3. Linear interpolation may be used to determine allowable loads for intermediate compressive strengths.
4. Consideration of safety factors of 20 or higher may be necessary depending upon the application, such as, sustained tensile loading applications.
5. Concrete compressive strength must be at the specific minimum at the time of installation.
6. The proper Aerosmith Caulking setting tool is required for proper installation.
7. Tables above are calculated for anchors installed in normal weight concrete.

Allowable Load Capacities for Caulking Anchors in Normal-Weight Concrete ^{1,2,3,4,5,6,7}

Rod/Anchor Size in.	Minimum Embedment Depth in.	Minimum Concrete Compressive Strength					
		2,000 psi		4,000 psi		6,000 psi	
		Tension lbs.	Shear lbs.	Tension lbs.	Shear lbs.	Tension lbs.	Shear lbs.
# 8-32	1/2	80	75	80	90	90	90
# 10-24	5/8	185	220	240	235	265	235
1/4 - 20	7/8	295	340	370	355	405	355
5/16 - 18	1	385	470	485	520	535	520
3/8 - 16	1 1/4	490	675	610	825	715	825
1/2 - 13	1 1/2	690	1,000	865	1,135	940	1,135

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