

WEDGE ANCHOR

Catalog Number	Thread Size	Size		Thread Length		Drill/Hole Size		Load Cap. Tension*		Load Cap. Shear*	
		in.	mm	in.	mm	in.	mm	lbs.	kN	lbs.	kN
AWA-37-225	3/8"-16	3/8" x 2 1/4"	(9 x 57)	1 1/4"	(32)	3/8"	(9)	760	(3.38)	940	(4.18)
AWA-37-275	3/8"-16	3/8" x 2 3/4"	(9 x 70)	1 5/8"	(41)						
AWA-37-300	3/8"-16	3/8" x 3"	(9 x 76)	1 7/8"	(47)						
AWA-37-350	3/8"-16	3/8" x 3 1/2"	(9 x 89)	2 3/8"	(60)						
AWA-37-375	3/8"-16	3/8" x 3 3/4"	(9 x 95)	2 5/8"	(66)						
AWA-37-500	3/8"-16	3/8" x 5"	(9 x 127)	3 7/8"	(98)	1/2"	(13)	1390	(6.18)	1700	(7.56)
AWA-50-275	1/2"-13	1/2" x 2 3/4"	(13 x 70)	1 3/8"	(35)						
AWA-50-375	1/2"-13	1/2" x 3 3/4"	(13 x 95)	2 3/8"	(60)						
AWA-50-450	1/2"-13	1/2" x 4 1/2"	(13 x 114)	3 1/8"	(79)						
AWA-50-550	1/2"-13	1/2" x 5 1/2"	(13 x 140)	4 1/8"	(105)						
AWA-50-700	1/2"-13	1/2" x 7"	(13 x 178)	5 5/8"	(143)						



Note: Based on concrete compression strength of 4,000 psi using applied safety factor of 4.

HOLLOW BASE DROP-IN ANCHORS

Catalog Number	Rod Size	Overall Length		Sleeve Length		Drill/Hole Diameter		Load Cap. Tension*		Load Cap. Shear*	
		in.	mm	in.	mm	in.	mm	lbs.	kN	lbs.	kN
ADH-25	1/4"-20	7/8"	(22)	5/8"	(16)	3/8"	(9)	285	(1.27)	300	(1.33)
ADH-37	3/8"-16	1 5/16"	(33)	1 5/16"	(24)	5/8"	(16)	520	(2.31)	640	(2.84)
ADH-50	1/2"-13	1 3/4"	(44)	1 1/4"	(32)	3/4"	(19)	1005	(4.47)	1005	(44.70)
9323	1/4"	--	--	--	--	--	--	--	--	--	--
9343	3/8"	--	--	--	--	--	--	--	--	--	--
9353	1/2"	--	--	--	--	--	--	--	--	--	--



Note: Based on concrete compression strength of 4,000 psi using applied safety factor of 4.

RAPID ROD™ HANGERS FOR CONCRETE

Catalog Number	Rod Size	Shank Size & Length		Drill/Hole Size		Load Cap. Tension*		Load Cap. Shear*	
		in.	mm	in.	mm	Lbs.	kN	Lbs.	kN
ARC-25-125	1/4"-20	1/4" x 1 1/4"	(6 x 32)	1/4"	(6)	485	(2.16)	610	(2.71)
ARC-37-150	3/8"-16	1/4" x 1 1/2"	(6 x 38)	1/4"	(6)	650	(2.89)	660	(2.93)
ARC-50-275	1/2"-13	3/8" x 2 3/4"	(9 x 70)	1/4"	(6)	1510	(6.71)	1580	(7.03)



Note: Based on concrete compression strength of 4,000 psi using applied safety factor of 4.

RAPID ROD™ HANGERS FOR STEEL

Catalog Number	Rod Size	Shank Size & Length		Load Cap. Tension* In 12 Ga.		Load Cap. Tension* In 1/4"	
		in.	mm	Lbs.	kN	Lbs.	kN
ARS-25-100	1/4"-20	1/4" x 1"	(6 x 25)	390	(1.75)	1260	(5.60)
ARS-37-100HN	3/8"-16	1/4" x 1" *	(6 x 25)	512	(2.28)	1260	(5.60)
ARS-37-150	3/8"-16	1/4" x 1 1/2"	(6 x 38)	390	(1.75)	1260	(5.60)
ARS-37-150HN	3/8"-16	1/4" x 1 1/2"	(6 x 38)	512	(2.28)	1260	(5.60)
ARS-37-200	3/8"-16	1/4" x 2"	(6 x 51)	390	(1.75)	1260	(5.60)



Note: Loads shown for ASTM A36 beams and ASTM A572 steel purlins include a safety factor of 4. For UL and FM listings, steel rapid rod must be installed with a retaining nut.

Reference page 212 for general fitting and standard finish specifications.

PLASTIC SCREW ANCHORS

• Kits contain 100 anchors, 100 screws, and 1 concrete drill bit



Catalog Number	Screw Size	Load Cap. Tension*		Load Cap. Shear*	
		Lbs.	kN	Lbs.	kN
APC-8K	#8 x 1"	110	(0.49)	70	(0.31)
APC-10K	#10 x 1"	140	(0.62)	90	(0.40)
APC-12K	#12 x 1"	140	(0.62)	90	(0.40)

Note: Based on concrete compression strength of 4,000 psi using applied safety factor of 4.

WOOD-KNOCKER™ ANCHORS



Catalog Number	Rod Size	Color	Insert Thread Length		Overall Length		Load Cap. Tension*		Load Cap. Shear*	
			in.	mm	in.	mm	lbs.	kN	lbs.	kN
ACPW-25	1/4"-20	Brown	3/8"	(9)	1 7/8"	(47)	930	(4.13)	370	(1.64)
ACPW-37	3/8"-16	Green	5/8"	(16)	1 7/8"	(47)	1200	(5.33)	1330	(5.91)
ACPW-50	1/2"-13	Yellow	1 1/16"	(17)	1 7/8"	(47)	1200	(5.33)	1840	(8.18)
ACPW-62	5/8"-11	Red	1 5/16"	(24)	1 7/8"	(47)	1160	(5.16)	2800	(12.45)
ACPW-75	3/4"-10	Purple	1 1/8"	(28)	1 7/8"	(47)	1160	(5.16)	2800	(12.45)

Notes: Based on normal weight concrete with minimum compression strength of 3,000 psi. Allowable load capacities are calculated using applied safety factor of 4. Minimum embedment is 2" (51mm).

Wood-Knocker™ is a trademark of Powers® Fasteners

BANG-IT™ ANCHORS



Catalog Number	Rod Size	Color	Insert Thread Length		Upper Deck Tension Load*		Lower Deck Tension Load*		Upper Deck Shear Load*		Lower Deck Shear Load*	
			in.	mm	lbs.	kN	lbs.	kN	lbs.	kN	lbs.	kN
ACPD-25	1/4"-20	Brown	3/8"	(9)	1112	(4.94)	830	(3.69)	625	(2.78)	625	(2.78)
ACPD-37	3/8"-16	Green	5/8"	(16)	1435	(6.38)	830	(3.69)	837	(3.72)	837	(3.72)
ACPD-50	1/2"-13	Yellow	1 1/16"	(17)	1775	(7.89)	830	(3.69)	837	(3.72)	837	(3.72)
ACPD-62	5/8"-11	Red	1 5/16"	(24)	2200	(9.78)	990	(4.40)	837	(3.72)	837	(3.72)
ACPD-75	3/4"-10	Purple	1 1/8"	(28)	2200	(9.78)	990	(4.40)	837	(3.72)	837	(3.72)
ACPD-87	7/8"-9	Black	1 5/16"	(33)	2200	(9.78)	990	(4.40)	837	(3.72)	837	(3.72)

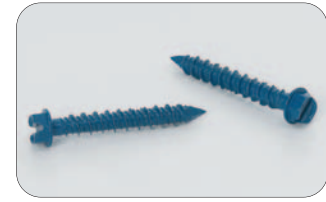
Notes: Based on normal weight concrete with minimum compression strength of 3,000 psi. Allowable load capacities are calculated using applied safety factor of 4. Minimum insert spacing of 12" (305mm), minimum end spacing of 12" (305mm). Minimum embedment is 2" (51mm). Length of sleeve is 3 3/8" (86mm).

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Reference page 212 for general fitting and standard finish specifications.

1/4" CONCRETE SCREWS

Catalog Number	Rod Size		Drill/Hole Size		Load Cap. Tension*		Load Cap. Shear*	
	in.	mm	in.	mm	lbs.	kN	lbs.	kN
ACS-125H	1/4" x 1 1/4"	(6 x 32)	3/16"	(5)	265	(1.18)	205	(0.91)
ACS-175H	1/4" x 1 3/4"	(6 x 44)	3/16"	(5)	265	(1.18)	205	(0.91)
ACS-225H	1/4" x 2 1/4"	(6 x 57)	3/16"	(5)	265	(1.18)	205	(0.91)
ACS-275H	1/4" x 2 3/4"	(6 x 70)	3/16"	(5)	265	(1.18)	205	(0.91)
ACS-325H	1/4" x 3 1/4"	(6 x 82)	3/16"	(5)	265	(1.18)	205	(0.91)



Note: Based on 1" (25mm) embedment with concrete compression strength of 4,000 psi using applied safety factor of 4. Consult factory for loading of other embedment depths.

SELF-TAPPING MACHINE SCREW ANCHOR

Catalog Number	Rod Size	Thread Depth		Drill/Hole Size		Load Cap. Tension*		Load Cap. Shear*	
		in.	mm	in.	mm	Lbs.	kN	Lbs.	kN
ATM-37	3/8"-16	1 1/16"	(17)	1/2"	(13)	540	(2.40)	825	(3.67)



Note: Based on concrete compression strength of 4,000 psi in uncracked concrete using applied safety factor of 4. Minimum concrete thickness 4" (101mm) with minimum embedment of 1 5/8" (41mm)

WALL SCREWS

Catalog Number	Head Type	Thread Depth		Minimum Embedment		Load Cap. Tension*		Load Cap. Shear*	
		in.	mm	in.	mm	Lbs.	kN	Lbs.	kN
AWS-CH	Combo	3/16" x 1 1/4"	(5 x 32)	3/4"	(19)	90	(0.40)	260	(1.15)
AWS-OH	Oval	3/16" x 1 1/4"	(5 x 32)	3/4"	(19)	90	(0.40)	260	(1.15)
AWS-PH	Pan	3/16" x 1 1/4"	(5 x 32)	3/4"	(19)	90	(0.40)	260	(1.15)



Note: Based on concrete compression strength of 4,000 psi. Allowable load capacities are calculated using an applied safety factor of 4.

SLEEVE TYPE EXPANSION ANCHORS

Catalog Number	Anchor Size & Length		Thread Length		Drill/Hole Diameter		Minimum Embedment		Load Cap. Tension*		Load Cap. Shear*	
	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kN	lbs.	kN
ASA-37-187HN	3/8" x 1 7/8"	(9 x 47)	1 5/8"	(41)	3/8"	(9)	1 5/8"	(41)	670	(2.98)	610	(2.71)
ASA-37-300HN	3/8" x 3"	(9 x 76)	1 5/8"	(41)	3/8"	(9)	1 5/8"	(41)	670	(2.98)	610	(2.71)
ASA-37-400HN	3/8" x 4"	(9 x 101)	1 5/8"	(41)	3/8"	(9)	1 5/8"	(41)	670	(2.98)	610	(2.71)
ASA-50-225HN	1/2" x 2 1/4"	(13 x 57)	2 1/4"	(57)	1/2"	(13)	2 1/4"	(57)	1255	(5.58)	1055	(4.69)
ASA-50-300HN	1/2" x 3"	(13 x 76)	2 1/4"	(57)	1/2"	(13)	2 1/4"	(57)	1255	(5.58)	1055	(4.69)
ASA-50-400HN	1/2" x 4"	(13 x 101)	2 1/4"	(57)	1/2"	(13)	2 1/4"	(57)	1255	(5.58)	1055	(4.69)
ASA-50-525HN	1/2" x 5 1/4"	(13 x 133)	2 1/4"	(57)	1/2"	(13)	2 1/4"	(57)	1255	(5.58)	1055	(4.69)
ASA-50-600HN	1/2" x 6"	(13 x 152)	2 1/4"	(57)	1/2"	(13)	2 1/4"	(57)	1255	(5.58)	1055	(4.69)



Note: Based on concrete compression strength of 4,000 psi using applied safety factor of 4.

Reference page 212 for general fitting and standard finish specifications.