

Red Head Chemical Anchors

ESTIMATING TABLE

Screen Tubes

Number of Anchoring Installations Per Cartridge* Using Threaded Rod and Screen Tubes with A7 and C6 Adhesives in Hollow Base Material

ROD In (mm)	DRILL HOLE DIA. INCHES	VOLUME OF CARTRIDGE	SCREEN LENGTH (INCHES)			
			6"	8"	10"	13"
1/4 (6.4)	3/8	A7 8 fluid oz.	13	10	8	
		A7 10 fluid oz.	16	12	10	
		A7 28 fluid oz.	45	35	28	
		C6 18 fluid oz.	29	22	18	
3/8 (9.5)	1/2	A7 8 fluid oz.	10	8	6	
		A7 10 fluid oz.	12	10	7.5	
		A7 28 fluid oz.	37	29	23	
		C6 18 fluid oz.	24	19	15	
1/2 (12.7)	5/8	A7 8 fluid oz.	7	5	4	
		A7 10 fluid oz.	9	6	5	
		A7 28 fluid oz.	26	18	14	
		C6 18 fluid oz.	17	12	9	
5/8 (15.9)	3/4	A7 8 fluid oz.	5	4	3	
		A7 10 fluid oz.	6	5	4	
		A7 28 fluid oz.	18	14	10	
		C6 18 fluid oz.	12	9	7	
3/4 (19.1)	7/8	A7 8 fluid oz.			2	1
		A7 10 fluid oz.			2.5	1.75
		A7 28 fluid oz.			6	5
		C6 18 fluid oz.			4	3

* These estimates do not account for waste.

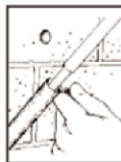
INSTALLATION STEPS



1. Drill proper sized hole, using rotation-only drilling mode. Clean out hole with forced air. Complete hole preparation with use of a brush and repeat cleaning with forced air (leave no dust or slurry).



3. Insert the filled screen completely into the hole (subflush).



2. When starting new cartridge or new nozzle, dispense and discard enough adhesive until uniform adhesive mix is achieved. Insert the nozzle into the bottom of the screen and **fill screen completely full** (use extension tube if needed to reach bottom of screen).



4. While holding the tab of the screen against the wall, hand insert the selected rod slowly into the screen tube with a slow twisting motion. Pull screen flush to face and coat with adhesive. Wait for appropriate cure time before torquing fixture in place.

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Screen Tubes



PERFORMANCE TABLE

Load Values

Average Ultimate Loads for HBP (nylon) or HB (stainless) Screens Used with A7 in Hollow Concrete Block¹

ROD DIA. In. (mm)	DRILL HOLE DIA. In. (mm)	MAX CLAMPING FORCE AFTER PROPER CURE Ft.-Lbs. (Nm)	EMBEDMENT (SCREEN LENGTH) In. (mm)	ULTIMATE TENSION Lbs. (kN)	ULTIMATE SHEAR Lbs. (kN)
1/4 (6.4)	3/8 (9.5)	5 (6)	8 (203.2)	2,072 (9.2)	2,264 (10.1)
3/8 (9.5)	1/2 (12.7)	12 (16)	8 (203.2)	2,360 (10.5)	2,668 (11.9)
1/2 (12.7)	5/8 (15.9)	19 (25)	8 (203.2)	2,647 (11.8)	2,668 (11.9)
5/8 (15.9)	3/4 (19.1)	26 (35)	8 (203.2)	2,647 (11.8)	3,578 (15.9)
3/4 (19.1)	7/8 (22.2)	28 (37)	8 (203.2)	2,647 (11.8)	4,573 (20.3)

¹ Allowable working loads should not exceed 25% of ultimate capacity. Loads based upon testing with ASTM A193, Grade B7 rods.



PERFORMANCE TABLE

Load Values

Average Ultimate Loads for HBP (nylon) or HB (stainless) Screens Used with C6 in Hollow Concrete Block¹

ROD DIA. In. (mm)	DRILL HOLE DIA. In. (mm)	MAX CLAMPING FORCE AFTER PROPER CURE Ft.-Lbs. (Nm)	EMBEDMENT In. (mm)	ULTIMATE TENSION Lbs. (kN)	ULTIMATE SHEAR Lbs. (kN)
1/4 (6.4)	3/8 (9.5)	5 (6)	8 (203.2)	2,072 (9.2)	2,264 (10.1)
3/8 (9.5)	1/2 (12.7)	12 (16)	8 (203.2)	2,800 (12.5)	2,466 (10.9)
1/2 (12.7)	5/8 (15.9)	19 (25)	8 (203.2)	3,487 (15.5)	2,668 (11.9)
5/8 (15.9)	3/4 (19.1)	26 (35)	8 (203.2)	3,487 (15.5)	3,578 (15.9)
3/4 (19.1)	7/8 (22.2)	28 (37)	8 (203.2)	3,487 (15.5)	4,573 (20.3)

¹ Allowable working loads should not exceed 25% of ultimate capacity. Loads based upon testing with ASTM A193, Grade B7 rods.



PERFORMANCE TABLE

Load Values

Average Ultimate Loads for HBP (nylon) Screens Used with C6 in Brick and Concrete Block¹

NYLON SCREEN PART NO.	DRILL HOLE DIA. In. (mm)	SINGLE BRICK		DOUBLE BRICK		BRICK AND HOLLOW BLOCK ULTIMATE TENSION Lbs. (kN)
		ULTIMATE TENSION Lbs. (kN)	ULTIMATE SHEAR Lbs. (kN)	ULTIMATE TENSION Lbs. (kN)	ULTIMATE SHEAR Lbs. (kN)	
HBP 38-6	1/2 (12.7)	2,150 (9.6)	-- --	4,675 (20.8)	1,917 (8.5)	3,659 (16.3)
HBP 38-8	1/2 (12.7)	2,200 (9.8)	1,143 (5.1)	6,175 (27.5)	1,743 (7.8)	3,659 (16.3)
HBP 38-10	1/2 (12.7)	2,000 (8.9)	950 (4.2)	3,272 (14.6)	2,498 (11.1)	2,498 (11.1)
HBP 12-6	5/8 (15.9)	3,800 (16.9)	-- --	6,369 (28.3)	2,498 (11.1)	5,595 (24.9)
HBP 12-8	5/8 (15.9)	1,750 (7.8)	-- --	7,530 (33.5)	2,305 (10.3)	3,500 (15.6)
HBP 12-10	5/8 (15.9)	2,618 (11.6)	-- --	2,885 (12.8)	2,305 (10.3)	2,498 (11.1)

¹ Allowable working loads should not exceed 25% of ultimate capacity. Loads based upon testing with ASTM A193, Grade B7 rods.