

Screen Tubes

Quality Adhesive Systems for Fastening Through Block and for Brick Pinning Applications

Nylon Screens



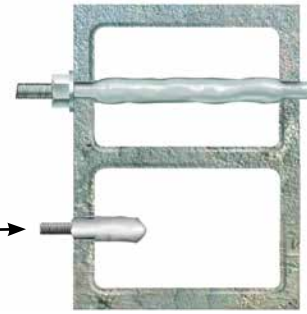
DESCRIPTION/SUGGESTED SPECIFICATIONS

Screens Used with A7+

HOLLOW CONCRETE BLOCK

Maximum holding strength in concrete block can be obtained by fastening to both the front and back of the block using an adhesive screen tube and threaded rod.

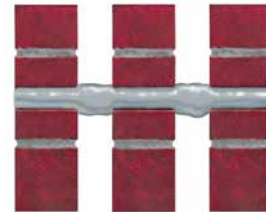
For attachments to single face of block, see page RH 29 for information on "umbrella anchors" and "stubby screens"



Top View

BRICK WALL

Systems designed for Seismic Retrofit, Brick Pinning or fastening to brick— various lengths and diameters available to accommodate site conditions.



Section

The no-drip feature of A7+ adhesive makes it particularly well suited for brick pinning applications.

ADVANTAGES

HBP SERIES—NYLON SCREENS

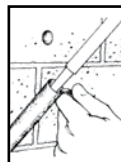
- 30%-50% savings from stainless steel screens
- Comparable performance values
- Easier to insert and span across voids
- Flexible material is less susceptible to damage from crushing

INSTALLATION STEPS



Hollow Base Material Screens

1. Drill hole to the length of the screen plus 1 diameter, 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).



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).



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



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.

ESTIMATING TABLE

Screen Tubes

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

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

* These estimates do not account for waste.

SELECTION CHART

Screen Tubes

ROD DIA. In. (mm)	SCREEN LENGTH In. (mm)	NYLON SCREENS		
		PART NO.	QTY/BOX	QTY/MASTER
3/8 (9.5)	6 (152.4)	HBP 38-6	50	100
3/8 (9.5)	10 (254.0)	HBP 38-10	25	50
1/2 (12.7)	6 (152.4)	HBP 12-6	50	100
1/2 (12.7)	10 (254.0)	HBP 12-10	25	50
5/8 (15.9)	6 (152.4)	HBP 58-6	40	---
5/8 (15.9)	10 (254.0)	HBP 58-10	40	---
3/4 (19.1)	8 (203.2)	*	*	*
3/4 (19.1)	10 (254.0)	HBP 34-10	20	---

* Not available in standard strength nylon screens. Longer screens available through specials.

PERFORMANCE TABLE

Load Values

Average Ultimate Loads for HBP (nylon) 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)	SCREEN EMBEDMENT (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.