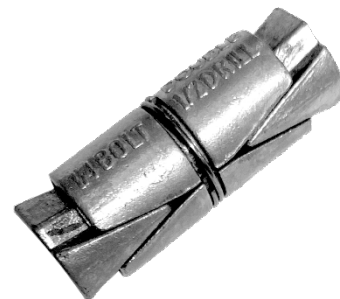


DUAL EXPANSION ANCHOR

Shell Expansion Anchor

PRODUCT DESCRIPTION

The dual is a double expansion machine bolt anchor particularly suited for materials of questionable strength or consistence such as stone. It can be used in solid concrete, block, brick, and stone. Job site tests are recommended when used in base materials of questionable strength or consistence.



FEATURES AND BENEFITS

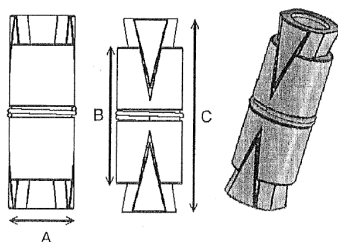
- Performs in base material of questionable strength
- Internally threaded anchor for easy removability and service work

PART #	SIZE	LENGTH	DRILL DIA	MIN HOLE DEPTH	CARTON	MASTER
FS09510	1/4"	1-3/8"	1/2"	1-1/4"	50	500
FS09515	5/16"	1-5/8"	5/8"	1-1/2"	50	500
FS09520	3/8"	2"	3/4"	1-3/4"	50	250
FS09530	1/2"	2-1/2"	7/8"	2-1/4"	25	250
FS09535	5/8"	2-3/4"	1"	2-1/2"	25	100
FS09535	3/4"	3-15/16"	1-1/4"	3-1/2"	10	50

PULL OUT TESTING FS9510 / FS9520

Ultimate Load				
#	Concrete Strength	KN	LBS	Result
1	4000 psi	10.66	2396	Pull Through
2	4000 psi	12.72	2860	Pull Through
3	4000 psi	13.1	2945	Pull Through
Average Load		12.16	2734	

Ultimate Load				
#	Concrete Strength	KN	LBS	Result
1	4000 psi	15.44	3471	Pull Through
2	4000 psi	12.76	2869	Pull Through
3	4000 psi	14.36	3228	Pull Through
Average Load		14.19	3189	



SIZE							
Dimensions	1/4	5/16	3/8	1/2	5/8	3/4	Tolerance
A	12.7	15.8	19.1	22	25.5	31	0.5
B	25.4	30.3	39.7	48.5	56.9	83.1	0.2
C	35	41	49.4	60.2	71.5	103	0.5
Nut Thread	1/4-20	5/16-18	3/8-16	1/2-13	5/8-11	3/4-10	