



MANHOLE EQUIPMENT & ACCESSORIES

Manhole Ladders—Wall Mount

All ladders are manufactured of steel. The rungs pass through the side rails and are riveted or welded.

Features:

- $\frac{3}{8}$ " (16 mm) diameter deformed rungs on 12" (305 mm) centers
- 14" (356 mm) clear between side rails
- 2 x 1 x $\frac{1}{8}$ " (51 x 25 x 3 mm) channel side rails
- Furnished with 4 unattached floor/ceiling brackets
- Wall mounting brackets may be used (sold separately)
- Approx. weight is 5.5 lbs. (2.5 kg) per foot of length

Part Number	Description
08382001	Manhole Ladder, wall mount, 7.0' (2.1 m) long
08382101	Manhole Ladder, wall mount, 8.0' (2.4 m) long
08382301	Manhole Ladder, wall mount, 10.0' (3.0 m) long
08382501	Manhole Ladder, wall mount, 12.0' (3.7 m) long
08382701	Manhole Ladder, wall mount, 14.0' (4.3 m) long
08382901	Manhole Ladder, wall mount, 16.0' (4.9 m) long
08384101	Manhole Ladder, wall mount, 18.0' (5.5 m) long
08384201	Manhole Ladder, wall mount, 20.0' (6.1 m) long

Optional Wall Brackets

Part Number	Description
08382902	7" (178 mm) offset

Manhole Ladders

All ladders are manufactured of steel. The rungs pass through the side rails and are riveted or welded. The unique design assures a rung cannot turn.



Features:

- $\frac{3}{8}$ " (16 mm) diameter knurled rungs on 12" (305 mm) centers
- 12" (305 mm) clear between side rails
- $\frac{3}{8}$ x $1\frac{1}{2}$ " (10 x 38 mm) side rails, through 12' (3.7 m) lengths
- $\frac{3}{8}$ x $2\frac{1}{2}$ " (10 x 64 mm) side rails, 13' (4.0 m) length and above
- Twisted hook is integral part of side rail
- Approx. weight is 5 lbs. (2.3 kg) per foot of length, through 12' (3.7 m)
- Approx. weight is 7.6 lbs. (3.4 kg) per foot of length, over 12' (3.7 m)

Part Number	Description
08381955	Manhole Ladder, 5.5' (1.7 m) long
08382100	Manhole Ladder, 8.0' (2.4 m) long
08382300	Manhole Ladder, 10.0' (3.0 m) long
08382500	Manhole Ladder, 12.0' (3.7 m) long
08382700	Manhole Ladder, 14.0' (4.3 m) long
08382900	Manhole Ladder, 16.0' (4.9 m) long
08384200	Manhole Ladder, 20.0' (6.1 m) long



Ladders are hot dip galvanized. Rated at 300 lbs (136 kg).



ORDER CAREFULLY!
This item is made-to-order and is not returnable.

Pulling-In Irons

Set into the walls of the concrete manholes opposite all duct entrances to provide a strong, convenient attachment for pulling-in blocks when installing or removing cables. Manufactured with $\frac{7}{8}$ " (22 mm) diameter steel and hot dip galvanized. 40,000 lbs load rating.

Part Number	Description
08381301	12" (305 mm) w/cross bar & retaining plate



ORDER CAREFULLY!
This item is made-to-order and is not returnable.

Expansion Anchor

For use in pre-drilled holes. Plug expands as anchor is driven into it making a solid hold in concrete.

Part Number	Description	Allowable Working Loads*			
		Tension		Shear	
		(lbs)	(N)	(lbs)	(N)
08409900	$\frac{3}{4}$ "- 10 UNC Threads	4,010	17,836	4,400	19,571
08409901	$\frac{3}{8}$ "- 11 UNC Threads	2,420	10,764	3,050	13,566
08409902	$\frac{1}{2}$ "- 13 UNC Threads	1,690	7,517	1,560	6,939

*NOTE: Allowable working loads are in 4000 psi concrete.

Allowable shear loads are based on the use of SAE Grade 5 capscrews.



Mounting Hardware

Part Number	Description
02063303	Capscrew, $\frac{1}{2}$ -13 x 1.25", grade 5, hot galvanized
12008202	Capscrew, $\frac{1}{2}$ -13 x 1.50", grade 5, hot galvanized
12022003	Capscrew, $\frac{1}{2}$ -13 x 1.75", grade 2, hot galvanized
08384800	Capscrew, $\frac{1}{2}$ -13 x 2.00", grade 5, hot galvanized
02155703	Capscrew, $\frac{1}{2}$ -13 x 2.50", grade 2, hot galvanized
02010003	Lockwasher, $\frac{1}{2}$ ", hot galvanized
12008303	Flatwasher, $\frac{1}{2}$ ", hot galvanized
02125103	Hex Nut, $\frac{1}{2}$ -13, hot galvanized