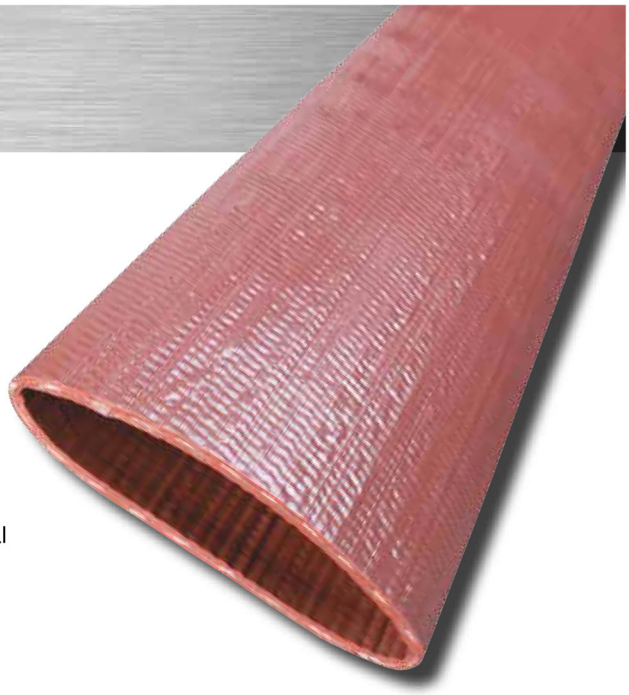
PROMID LTDA

Ironsides®



Heavy Duty PVC Water Discharge Hose

APPLICATIONS:

- Agricultural • Quarry • Mining • Irrigation • Construction
- Portable Hydrant • Relay Supply Line • Industrial

CONSTRUCTION:

- Premium quality PVC tube and cover, reinforced with two spiral plies and longitudinal synthetic cords.

FEATURES & BENEFITS:

- MSHA-accepted - Use as a water hose in underground mining applications
- Premium quality tube and cover - Designed for heavy duty applications. This hose has a high working pressure and is ozone resistant.
- Two spiral plies and longitudinal synthetic cords - Provides higher working pressure and resists kinking and twisting.
- Storage - All coils have PVC cores for easier dispensing. Hoses coil flat for easy storage.

MSHA ACCEPTED
MSHA IC-218/2

Please see page 15 for friction loss/elongation information.

Service Temperature: -5° F (-20° C) to 170° F (+76° C)

Nominal Specifications

Series No.	Size (in.)	Size (mm)	Hose ID (in.)	Hose ID (mm)	Approximate Wall Thickness (in.)	Working Pressure (PSI)	Coil Length (ft.)	Approx. Weight (lbs./coil)
IS150	1 1/2	38.1	1.61	40.9	0.0866	150	300	69.0
IS200	2	50.8	2.09	53.1	0.0906	150	300	96.0
IS250	2 1/2	63.5	2.58	65.5	0.0945	150	300	123.0
IS300	3	76.2	3.09	78.5	0.0984	150	300	156.0
IS400	4	101.6	4.10	104.1	0.1102	125	300	228.0
IS600	6	153.4	6.16	156.5	0.1181	115	300	363.0
IS800	8	204.7	8.15	207.0	0.1220	70	300/100	486/162
NEW Size IS1000	10	254.0	10.12	257.0	0.1300	65	100	195.0

Note: Not intended for use as a fire hose.

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.

Calle Pirita 12450 Galpón 22
La Chimba Alto Antofagasta - Fono (55) 261 8313

TECHNICAL DATA

VINYLFLOW® / IRONSIDES® / VINYLFLOW® EZ-Lite™ Friction Loss per 100 Ft. (PSI)

GPM	1.5"	2"	2.5"	3"	4"	6"	8"	10"	12"	14"	16"
20	1.2										
30	2.4										
40	5.1	1.1									
50	6.0										
60		2.4	1.4								
80		4.1	1.9	1.0							
90	17.0										
100		6.0	2.8	1.2							
120				1.8							
140				2.2							
160				2.6	0.6						
180				3.3	0.7						
200		22	7		0.8						
220					1.0						
240					1.1		0.2				
250				5							
260					1.3	0.2					
280					1.4	0.2					
300					1.6	0.2					
340						0.3					
350			22								
380						0.4					
420						0.5					
460						0.6					
500					4	0.7					
540						0.8					
580				22		0.9					
620						1.0					
660						1.1					
1,200						3.0					
1,250					22						
1,800							1.5				
2,500								1.0			
3,500									0.8		
3,630						22					
5,000							11			0.6	
6,000											0.4
8,000								8			
12,000									8		
15,000										5	
16,000											30

VINYLFLOW® Longitudinal Elongation (%) (on flat ground only)

	PRESSURE (PSI)							
SIZE	10	20	30	40	50	60	70	80
1½"	0.00	0.01	0.02	0.06	0.14	0.17	0.35	0.50
2"	0.01	0.03	0.04	0.15	0.32	0.38	0.61	0.84
2½"	0.06	0.15	0.23	0.50	0.79	0.95	1.33	1.57
3"	0.03	0.14	0.21	0.34	0.63	0.76	1.10	-
4"	0.14	0.35	0.53	0.90	1.40	1.68	1.98	-
6"	0.14	0.42	0.63	1.08	1.35	-	-	-
8"	0.21	0.57	0.86	1.47	-	-	-	-
10"	0.15	0.39	0.59	-	-	-	-	-
12"	0.14	0.55	0.82	-	-	-	-	-
16"	0.00	0.28	0.42	-	-	-	-	-

REV. 11.08

VINYLFLOW® EZ-Lite™ Longitudinal Elongation (%) - (on flat ground only)

	PRESSURE (PSI)					
SIZE	10	20	30	40	50	60
1½"	0.00	0.10	0.20	0.30	0.40	0.60
2"	0.00	0.20	0.30	0.60	0.80	-
3"	0.20	0.40	0.80	1.20	-	-
4"	0.20	0.50	1.40	1.90	-	-
6"	0.00	0.40	0.80	1.40	-	-
8"	0.20	0.80	1.60	2.20	-	-

For sloped ground, add the head pressure shown below:

Slope Angle	Additional Head Pressure Pressure per 300 ft.
5°	11
10°	23
15°	34
20°	44
25°	55
30°	65
35°	75
40°	83
45°	92

IRONSIDES® Longitudinal Elongation (%) - (on flat ground only)

Size	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
1 1/2"	0.00	0.10	0.10	0.20	0.30	0.36	0.40	0.50	0.60	0.60	0.80	0.90	0.90	1.00	1.10
2"	0.00	0.00	0.00	0.10	0.10	0.10	0.20	0.40	0.60	0.60	0.70	0.80	0.80	0.90	1.10
2 1/2"	0.00	0.00	0.10	0.20	0.30	0.40	0.40	0.60	0.60	0.80	1.00	1.10	1.10	1.30	1.30
3"	0.00	0.10	0.10	0.20	0.30	0.40	0.50	0.50	0.60	0.70	0.80	1.00	1.10		
4"	0.00	0.10	0.20	0.30	0.40	0.50	0.70	0.80	0.90	1.20	1.30	1.40	1.40		
6"	0.00	0.10	0.30	0.50	0.50	0.60	0.80	0.90	1.00	1.20					
8"	0.10	0.20	0.50	0.80	1.00	1.20	1.50	0.00							

BECAUSE WE CONTINUALLY EXAMINE WAYS TO IMPROVE OUR PRODUCTS, WE RESERVE THE RIGHT TO ALTER SPECIFICATIONS WITHOUT PRIOR NOTICE.

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