



Oilfield Hose

**Powerbraid® Plus
(Slim Hole Rotary)**
(Specification 3670H, 4651XL, 4651 ZL)

1,500 - 3,000 Working Pressure (4651XL, 3670H)

Nom. I.D.	⊖	Nom. O.D.	⊕	Max. W.P.	⊕	Suction	⊖	Min. Bend Radius	⊕	Wt. Per Ft.	⊕	Standard Pack	Stock (X) or Minimum Order Qty.	Gates Item No.	List Price Per Ft.
(In.)	(mm)	(In.)	(mm)	(psi)	(MPa)	(In. Hg)	(mm Hg)	(In.)	(mm)	(Lbs.)	(Kg)				
2	50.8	2.63	66.8	3000	20.68	—	—	25.0	635	2.95	1.34	50 ft.	X	3670-0655	\$100.49
2	50.8	2.63	66.8	3000	20.68	—	—	25.0	635	2.95	1.34	200 ft.	X	3670-0660	100.49
2 1/2	63.5	3.38	85.9	2500	17.24	—	—	30.0	762	3.60	1.64	50 ft.	X	3670-0656	117.06
3	76.2	3.90	99.1	2000	13.79	—	—	36.0	914	4.74	2.15	50 ft.	X	3670-0657	125.42
4	101.6	5.06	128.5	1500	10.30	—	—	48.0	1219	7.22	3.28	50 ft.	X	3670-0701	156.77

5,000 Working Pressure (4651ZL)

Nom. I.D.	⊖	Nom. O.D.	⊕	Max. W.P.	⊕	Suction	⊖	Min. Bend Radius	⊕	Wt. Per Ft.	⊕	Standard Pack	Stock (X) or Minimum Order Qty.	Gates Item No.	List Price Per Ft.
(In.)	(mm)	(In.)	(mm)	(psi)	(MPa)	(In. Hg)	(mm Hg)	(In.)	(mm)	(Lbs.)	(Kg)				
1	25.4	1.53	38.9	5000	34.47	—	—	12.0	305	1.49	.68	200 ft.	X	3670-0665	\$69.08
1 1/4	31.8	1.97	50.0	5000	34.47	—	—	16.5	419	2.67	1.21	200 ft.	X	3670-0670	97.80
1 1/2	38.1	2.26	57.4	5000	34.47	—	—	20.0	508	3.33	1.51	200 ft.	X	3670-0675	114.08
2	50.8	2.80	71.1	5000	34.47	—	—	25.0	635	4.94	2.25	50 ft.	X	3670-0679	148.50
2	50.8	2.80	71.1	5000	34.47	—	—	25.0	635	4.94	2.25	200 ft.	X	3670-0680	148.50

RECOMMENDED FOR: Rotary applications on workover rigs and slim hole or seismograph rigs designed to operate at a maximum of 1,500 to 5,000 PSI rated working pressure depending on size. Applications on small or medium-size drilling rigs used for water well operations, water well core drill, blast or shot hole operations. Hoses are flexible connectors in pressure lines used in conveying mud or air. For normal air or mud applications and where increased resistance to external abuse or pump pulsations is required.

TEMPERATURE: -40°F to +180°F (-40°C to +82°C) continuous service.
CONSTRUCTION: **Tube:** Type C (Nitrile). Black.
Reinforcement: High tensile steel wire.
Cover: Type A (Neoprene). Black. All sizes are perforated.
Design Factor: 2.5:1

COUPLINGS: 1 1/4" I.D. 5,000 psi. Gates 20GS-20MPAPI (7347-7695)
 1" I.D. 5,000 psi. Gates 16GS-16MPLH (7347-7654)
 2 1/2", 3" and 4" - Swaged-On Permanent Couplings - API threads on connecting end of stem for easy flange attachment. Strong collar to anchor ferrule to stem. Electroplated steel. Also available in stainless steel and other special metals. Wildman Type Q reusable couplings.
 4" - Use George Myer Stem and Ferrule.
 71 Permanent (Mulconroy - API threads only) or reusable male couplings (Wildman - API threads only).
 77 GSH® with Integral 2" Fig. 1502 Hammer Unions or 80 Gates GSP (1 1/2" or 2" only). Reference the Hose Coupling Section.
 For GS couplings reference Gates Hydraulic Hose catalog #35093.
 Sources: Dixon Valve and Coupling Co., George Myer Co, Inc.

PACKAGING: All sizes packaged 1 length in a carton.
BRANDING: Continuous transfer label. Example: "GATES® POWERBRAID® PLUS SLIM HOLE ROTARY 2 INCH 3000 PSI WP FLAME RESISTANT, MSHA 2G-IC-11C MADE IN U.S.A."

SPECIAL ORDER REQUIREMENTS: Special production runs require minimum order quantities of 3,000 feet for 1" and 1,800 feet for 1 1/4" through 2". For 2", 2 1/2", 3" and 4" 50 foot lengths, minimum is 600 feet. Maximum length available for 2 1/2", 3" and 4" is 50 feet.

REMNANT LENGTHS: Remnant lengths are sometimes available in popular sizes at a discount. Contact Gates Corporation for pricing, order requirements and availability.

STANDARDS: **Tube:** ARPM (Class A) High oil resistance.
Cover: Meets MSHA 30 CFR 18.65. Flame resistant.

ACID-CHEMICAL

AIR AND MULTI-PURPOSE

FOOD AND BEVERAGE

MARINE

MATERIAL HANDLING

MINING

OILFIELD

PETROLEUM TRANSFER

PRESSURE WASHER

STEAM

WATER

CLAMPS

COUPLINGS AND FERRULES

HOSE FINDER

CHEMICAL RESISTANCE TABLE

