



Your Hose & Fitting Connection

Large Diameter Hose (LDH) LAY FLAT Water Transfer



www.jgbhose.com

LDH Lay Flat Water Transfer Hose

Polyurethane (PU)

Eagle Water Transfer PU 200 PSI for 8" & 10"

- Designed for irrigation, pumping of sledge and liquid fertilizers, supply or drag hose

- PU lining, Ribbed cover or smooth cover
- High-tenacity synthetic jacket
- Color: Black
- Packaged in rolls, packed in cartons or loaded in pallets
- Through-the-weave technology without - delamination issue
- Temperature Range is -58°F to 176°F



Nominal Size (in)	Working pressure (psi)	Burst pressure (psi)	OD (in)	Wall Thickness (in)	Tensile Strength (lbs)	Weight (lbs/ft)
6	200	600	6 5/16	0.15	33 000	1.41
8	200	600	8 5/16	0.15	89 000	1.94
10	200	600	10 3/8	0.17	100 100	2.75
12	200	450	12 7/16	0.17	134 000	3.33
16	100	300	16 7/16	0.21	66140	5.09



LDH Lay Flat Water Transfer Hose

Nitrile Rubber

Oroflex 20



- Polyester weave extruded internally & externally with NBR-PVC
- Tensile strength of lining & cover shall not be less than 1500 psi (10.500 kpa)
- Color is black ribbed
- Temperature Range is -4°F to 176°F (-20°C to 80°C)
- Elongation at WP: <1.5%
- Expansion at WP: <6%
- Abrasion: 6000 DIN Cycles
- Standard length is 660, 330, 100 or 50 ft

- Suitable & recommended for dewatering operations, water and hydrocarbons discharge/bypass, refineries & chemical plants (resists aromatics), and any application involving water, liquid manure, industrial sludges & slurries, contaminated liquids, fertilizers, oils, medium and heavy hydrocarbons, diesel fuels & many chemicals in solution. **** Not recommended or approved for fire fighting.**

Nom ID		Working Pressure		Burst Pressure		Weight		Thickness	
(in)	(mm)	(psi)	(K Pa)	(psi)	(K Pa)	(lb/ft)	(gr/m)	(in)	(mm)
3/4	19	400	2800	1200	8200	0,121	180	0,079	2,0
1	265	400	2800	1200	8200	0,168	250	0,091	2,3
1 1/2	38	300	2100	900	6300	0,303	450	0,102	2,6
1 3/4	45	300	2100	900	6300	0,370	550	0,106	2,7
2	52	300	2100	900	6300	0,431	640	0,110	2,8
3	76	250	1700	750	5200	0,639	950	0,126	3,2
4	102	200	1400	600	4200	0,875	1300	0,134	3,4
5	125	200	1400	600	4200	1,278	1900	0,150	3,8
6	152	200	1400	600	4200	1,682	2500	0,165	4,2
8	203	175	1200	440	3000	2,355	3500	0,165	4,2
10	254	175	1200	440	3000	2,523	3750	0,157	4,0
12	305	175	1200	480	3300	3,028	4500	0,157	4,0

Heavy Duty Nitrile Layflat Water Transfer Hose



- Used for irrigation, pumping of sludge or liquid fertilizers
- Nitrile Rubber with a smooth or ribbed cover
- High-tenacity synthetic reinforced jacket
- Available in black
- Rolled, packed in carton, or loaded in pallet
- Three-ply or through-the-weave technology without delamination issue
- Standard Length 660 ft

ID		Wall Thickness		Maximum Length	Working Pressure	Bursting Pressure	Weight	Tensile Strength
(in)	(mm)	(in)	(mm)	(ft)	(psi)	(psi)	(lbs/ft)	(lbs)
8"	204	0.170	4.2	660	200	600	2.48	81,500
10"	254	0.170	4.2	660	200	600	3.02	100,000
12"	306	0.175	4.2	660	150	450	3.62	124,000

Couplings & Accessories

Grooved Couplings for Vic Type Clamps

- Designed for use in agriculture, energy, industrial, etc.

- **Features:**

- ◇ Full Bore design to minimize friction loss and increase flow.
- ◇ Sexless design to facilitate assembly and connection.
- ◇ Can be used with PVC/Nitrile or PU lay-flat hose.
- ◇ Light-weight aluminum design.
- ◇ Hard-coat anodized for abrasion resistance.



Epoxy powder coated for produced water available



**Standard Rigid Coupling
as well as QuickVic available.**



Field Attachable Ends

Large Diameter Shank Couplings (Shug-Grip Fittings)

- Designed for agricultural, energy and industrial applications.

- **Sizes:** 5", 6", 8" and 10"

- **Features:**

- ◇ Full Bore design to minimize friction loss and increase flow
- ◇ Sexless design to facilitate assembly and connection
- ◇ Unique connection design allows hose to twist independently of each other, even under pressure
- ◇ Gasket design improves sealing over Vic Clamp shank couplings
- ◇ Can be used with PVC/Nitrile or PU hose
- ◇ Light-weight aluminum design
- ◇ Hard coat anodized for abrasion resistance



- **Also Available:**

- ◇ Reducer/Increaser
- ◇ Adapters to Cam & Groove
- ◇ Available with Storz ends
- ◇ Menders
- ◇ End Plugs

Eagle Water Transfer PU

Heavy Duty Polyurethane (PU) Layflat

16" ID Large Diameter Hose (LDH)



- Application:** Construction sites, waste water industry, agriculture and mining, transport of abrasive materials, flexible pipeline even in extreme terrain, irrigation and sludge disposal, for heavy duty service under toughest conditions. Perfectly prepared for hydraulic fraction in shales and oil fields.
- Tube:** PU
- Cover:** PU, Ribbed cover or smooth cover
- Reinforcement:** Polyester-Nylon textile
- Temperature:** -58°F to 176°F
- Branding:** EAGLE PU WATER TRANSFER
- Color:** Black standard, blue, green, or red upon request
- Package:** Rolled, packed on steel reel
- Standard Length:** 660 ft (200m)
- Mfg. Technology:** Through-the-weave-technology

ID	Nom. OD	Max WP	Burst	Tolerance	Wall Thickness	Tensile Strength	Weight
in	in	psi/bar	psi/bar	in	in	lbs	lbs/ft
16	16 7/16	100/8	300/20	15.98 - 16.14	0.21	66140	5.09

Friction Loss of Eagle TPU Polyurethane Layflat Hose

Flow Rate		Pressure Drop				Remark
		(bar/200m)				
M3/h	Q{L/min}	10"	12"	14"	16"	
480	8000	0.36				Known Data
600	10000	0.56	0.22	0.10		
900	15000	1.26	0.48	0.22	0.12	
1200	20000	2.22	0.86	0.40	0.21	
Friction Losses (theoretical value)						
2400	40000	8.24	3.19	1.48	0.76	calculated value
Friction loss of coupling (bar)		0.43	0.20	0.11	0.06	
Total friction losses (bar)		8.67	3.39	1.59	0.82	



Our Capabilities:

The LDH, or Large Diameter Hose market, is one of the fastest growing markets in our industry, specifically in the energy exploration sector. With the addition of **the Techmaflex PES-500 Large Bore Hose Assembly Machine**, we've expanded our production capabilities to meet the demand of these customers. JGB® Enterprises is a one stop shop for all of your custom LDH hose assemblies.



Eagle Water Transfer PU arriving at a JGB distribution center.



Racked and ready for shipment to our customer.



Crimped ends available on request.

*Non Field Attachable (Factory Crimped)
Sizes: 2" through 12"*

Visit www.jgbhose.com for more information.

For market specific catalogs visit www.jgbhose.com/hose-assemblies-fittings-by-market.



JGB Eagle Brand Catalog



LDH Catalog



Oilfield Catalog



Industrial Rental Catalog





Your Hose & Fitting Connection

Click for map directions:

Williston Branch
520 Bean Dr.
Williston, ND 58801
(701) 774-2195

Buffalo Branch
2540 Walden Ave.
Suite 150
Cheektowaga, NY 14225
(716) 684-8224

Corporate Headquarters
115 Metropolitan Park Dr.
Liverpool, NY 13088
(315) 451-2770

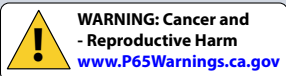
St. Louis Branch
9707 Green Park Industrial Dr.
St. Louis, MO 63123
(314) 487-3144

Southeast Regional Hub
1407 Westinghouse Blvd.
Suite B
Charlotte, NC 28273
(704) 588-9920

Houston Branch
Houston Branch
619 E. Sam Houston Pkwy.
Suite 200
Pasadena, TX 77503
(281) 930-7777



www.jgbhose.com



ISO 9001:2015 Certified

© Jan 2019 JGB® Enterprises, Inc.

Connect with us:



www.jgbhose.com

Download the JGB® Mobile App

