



Your Hose & Fitting Connection

# Large Diameter Hose (LDH) LAY FLAT Water Transfer



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# 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)
4	200	600	4 3/16	0.150	22 000
5	200	600	5 3/16	0.150	26 400
6	200	600	6 5/16	0.150	33 000
8	200	600	8 5/16	0.170	89 000
10	200	600	10 3/8	0.170	100 100
12	200	450	12 7/16	0.180	134 000
16	100	300	16 7/16	0.190	-



# 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

## Agriflex

- Designed for slurry manure transfer, hydraulic fracking and water transfer

- Processed or fresh water transfer
- Protected and encapsulated in an extruded, through-the-weave nitrile / pvc tube
- Synthetic woven liner reinforcement
- Cover is resistant to ozone and abrasion
- Lengths available to 660 ft.
- High working pressure
- Oversized ID designed to fit most couplings



ID (in)	Weight/Pound	Wall thickness (in)	Burst Test (psi)	Tensile strength in tons (US)
(4) 4 3/16	0.90	0.140	750	12.5
(4.5) 4 11/16	1.00	0.140	750	14.0
(5) 5 3/16	1.10	0.140	600	15.2
(6) 6 3/16	1.35	0.140	750	18.9
(7) 7 1/16	1.85	0.140	600	25.9
(8) 8 3/16	2.35	0.170	450	26.1
(10) 10 1/16	3.30	0.175	450	41.7

# LDH Lay Flat Water Transfer Hose

**Nitrile Rubber**

## 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



## Grooved Couplings for Victaulic 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.



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



**Two Styles of Field 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 Victaulic 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

## 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.



Just arrived and ready for assembly.



Racked and ready for shipment to the customer.



Crimped ends available on request.

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



Visit [www.jgbhose.com](http://www.jgbhose.com) for more information.

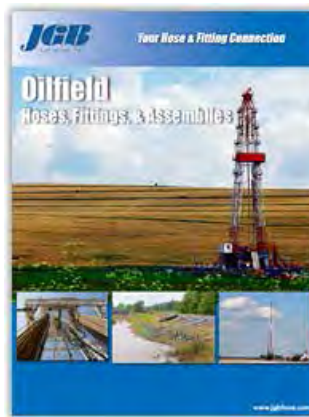
For market specific catalogs visit [www.jgbhose.com/hose-assemblies-fittings-by-market](http://www.jgbhose.com/hose-assemblies-fittings-by-market).



JGB Eagle Brand Catalog



LDH Catalog



Oilfield Catalog



Industrial Rental Catalog





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