

# JGB Enterprises



(Approved by DNV GL / \*Complies with USCG 33CFR 154.500)

## Eagle Composite<sup>®</sup> Oil Flexible Hose

### Fluid Transfer

### Heavy Duty Flexible Oil Hose

The Eagle Composite<sup>®</sup> Oil Flexible Hose assembly is designed for handling a wide range of fuel and lubricant where light weight and high flexibility is required. It is designed to handle gasoline, high speed diesel, paraffin, kerosene, lubricating oil and 100% aromatics as well as black oils, heavy lubricants and solvents. This hose is manufactured in accordance to EN 13765 / 2010 Type 2.

\* All Pre-Made Assemblies are 100% hydrostatically tested, and are received with factory supplied test certificates which are available upon request.



**Application:** Recommended for rail tank wagons, tank truck loading and unloading, storage tank transfers and other standard duty applications.

**Carcass:** Multiple layers of polypropylene fabric, film and polyester barrier layers

**Reinforcement:** High tensile strength galvanized inner & outer wire

**Cover:** Abrasion resistant PVC impregnated fabric, black outer cover, yellow stripe

**Temperature:** -22°F to +212°F (-30°C to +100°C)

**End Fitting:** SS304 male NPT, Carbon Steel 150" flanges / cams  
(\*Complies with USCG 33CFR 154.500)

**Safety Factor:** 4:1

**Branding:** EAGLE COMPOSITE<sup>®</sup> OIL FLEXIBLE HOSE

### Features:

- Complete product compatibility for safe handling of all types of oil based 100% aromatic content and other non aggressive chemicals.
- Light Weight & Highly Flexible makes it easy to handle in loading and unloading.
- Tough PVC outer cover resists to dragging, wear, abrasion, UV and ozone resistance having maximum durability and safety.
- Double end to end electrical continuity prevents static electricity build up and internal arcing.
- Suitable for 0.9 Bar Vacuum rating.

ID	Max WP	Min Burst	Bend Radius	Weight	Max. Length
in	psi	psi	in	lb/ft	ft
1	200	800	4.92	0.66	65
1-1/2	200	800	5.9	0.88	65
2	200	800	7.87	1.1	65
2-1/2	200	800	7.87	1.5	65
3	200	800	11.02	2	65
4	200	800	15.75	3.6	65



Liverpool Location ISO 9001:2015 Certified QMS by Intertek

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# HANDLING & MAINTENANCE

The following recommendations are the *minimum* to which the user must adhere.



**Eagle Slings 5000lb capacity**  
**Available 6" through 12" ID**

 <p><b>FIG 1</b></p>	<p><b>Traction:</b> Do not use hose in between (FIG. 1). Let it form a small curve (FIG. 2).</p>	 <p><b>FIG 2</b></p>
 <p><b>FIG 3</b></p>	<p><b>Torsion:</b> Hose is not manufactured to work in torsion (FIG. 3). During installation it is essential to ensure that the hose is not twisted. Let it follow an ideal lay-line (FIG. 4).</p>	 <p><b>FIG 4</b></p>
 <p><b>FIG 5</b></p>	<p><b>Bending Radius:</b> Installation tighter than the minimum bending radius reduces the life of the hose considerably. Moreover it is necessary to avoid bending close to the end fittings (FIG. 5 &amp; 6).</p>	 <p><b>FIG 6</b></p>
 <p><b>FIG 7</b></p>	<p><b>Installation:</b> The hoses must be supported to allow normal movement when must under pressure (dimensional variations). Do not rest hose on sharp edges (FIG. 7 &amp; 7B). Take adequate precautions (FIG. 8 &amp; 8B). Do not support hoses with ropes or chains (FIG. 9). Flexible hose supports or polyester slings are recommended. (FIG. 10)</p>	 <p><b>FIG 8</b></p>
 <p><b>FIG 7b</b></p>	<p><b>Storage:</b> Hose must be stored in a relaxed condition free from tension, compression or other deformation. Contact with objects that could pierce or cut must be avoided. When not in use, hose should be stored in a dark place preferably, avoiding direct sunlight and rain. It must be protected from rodents and insects. When such a risk is probable, appropriate precautions must be taken.</p>	 <p><b>FIG 8b</b></p>
 <p><b>FIG 9</b></p>	<p><b>Norms and Method of Use:</b> Prior to installation it is necessary to check the characteristics of the hose carefully to ensure that type, diameter and length conform to the required specification. (FIG 12) Moreover a visual check must be carried out to make sure that there are no obstructions, cuts damaged cover or any other evident imperfections (FIG 11). Although the hoses are manufactured to guarantee exceptional resistance to abrasion, it is advisable to move them with care, avoiding knocks, dragging over abrasive surfaces or crushing. Furthermore, hoses must not be pulled violently when twisted or knotted.</p>	 <p><b>FIG 10</b></p>
 <p><b>FIG 11</b></p>	<p><b>Maintenance :</b> Even when choice, storage and installation is carried out correctly, regular maintenance is necessary. During regular checks, special attention must be paid to couplings and to the appearance of irregularities which can indicate deterioration of the hose. After use, it is advisable to empty the hoses carefully and if necessary, clean thoroughly. We recommend in any case, that the hoses be checked and tested under pressure once a year.</p>	 <p><b>FIG 12</b></p>
<p>NEVER weld reduction couplings or flanges onto original hose fittings. NEVER close or hold the coupling ferrules in a bench vice as they could be deformed. If necessary, hold the hose itself, closing the vice onto the outside spirals of the hose.</p>		