



## **Hydro-Line ® N5LD Mount**

*Engineered for ANSI B93.15/NFPA interchangeability with the durability required for heavy-duty applications.*

### **Selecting the Proper Mounting**

Just as the cylinder bore must be sized to provide the proper force for an application, a cylinder mounting that can absorb these application forces must also be specified. Note: In the mounting information, some mounts have been de-rated to minimize deflection. For applications where the motion is linear and parallel to the cylinder rod motion, a rigid mount is recommended. For curvilinear motion, a swivel mount should be chosen. The specifics of each application dictate the correct mounting style.

## **N5LD Double Rod with Both Ends Extended Tie Rod Mount**

Double rod cylinders are specified when equal displacement is desired on both sides of the piston, or when the application is such that another function can be performed simultaneously with a second rod.

These mounts are for straight line force transfer applications. Both ends extended tie rod mounts are suited for tension and compression applications or applications where additional hardware is to be attached to cylinders. The mounting surface should be flat and the frame on which the cylinder is mounted must be sufficiently rigid to resist bending moments. Once fitted into the application framework, mounting nuts should be torqued to the values listed in the table.

### **Tie Rod Torque Values (Mounting)**

Torque values in the following table apply.

| <b>Tie Rod Torque</b> |              |           |
|-----------------------|--------------|-----------|
| <b>Bore</b>           | <b>Ft-Lb</b> | <b>Nm</b> |
| 1.50                  | 30           | 41        |
| 2.00                  | 40           | 54        |
| 2.50                  | 80           | 108       |
| 3.25                  | 190          | 258       |
| 4.00                  | 190          | 258       |
| 5.00                  | 550          | 746       |
| 6.00                  | 700          | 949       |
| 7.00                  | 750          | 1017      |
| 8.00                  | 1250         | 1695      |

#### **NOTE**

For strokes in excess of 30 inches consider a Stop Tube. The force on the rod should be perpendicular to the mounting surface and coincide with the centerline of the piston rod. For eccentric loads, the larger of the two available rods in each bore size is recommended. Stop tubes should also be considered.



**WARNING** This product is intended for users having technical expertise. Improper use, selection or application of the cylinders and/or their related accessories can cause or result in Death, Bodily Injury and/or Property Damage. For assistance, please consult an Danfoss representative at 952-937-9800.