



## **HydraSwivel™**

### **DESCRIPTION/APPLICATION:**

The HydraSwivel™ is a drill-pipe or work string deployed tool that allows the upper string to be continuously rotated with either tension or compression force while pumping treatment fluid through the tool at high differential pressures downhole.

The HydraSwivel™ tool was developed for optimizing the hole cleaning while performing the HydraWash job, the swivel enables rotation of the drill pipe while washing the perforations, especially in high deviated wells where the debris washed out from behind the casing will accumulate in the horizontal section. Rotation of the drill pipe will improve hole cleaning and ensure that circulation can be maintained at all times. The HydraSwivel™ design incorporates several separate seal system that ensures pipe integrity at all times.

### **OPERATION:**

The HydraSwivel™ tool is located directly above the HydraWash™ tool and connected to the workstring. During the HydraWash™ operation, the workstring may need to be rotated to ensure debris is transported out of the well. The HydraSwivel™ allows for rotation of the workstring without any rotation to the washcups on the HydraWash™ tool.

### **FEATURES/BENEFITS:**

- Simple operation
- Back up seals incorporated
- Pressure and temperature balanced
- Large ID
- OD equal to tool joint size
- Slick ID for ball drop
- Rigid design
- Field Proven

### **TECHNICAL DATA:**

Size	4-3/4"
OD	4.75"
ID	2.00"
Length	4.5' (1.3m)
Threads	3-1/2" IF BOX X PIN (OR AS ORDERED)
Max Tension (static)	200,000lbs (90 TONNES)
Max Rotation	140 RPM
Internal Pressure Rating (static)	5000 PSI (345 BAR)
Internal Pressure Rating (dynamic)	2000 PSI (138 BAR)

