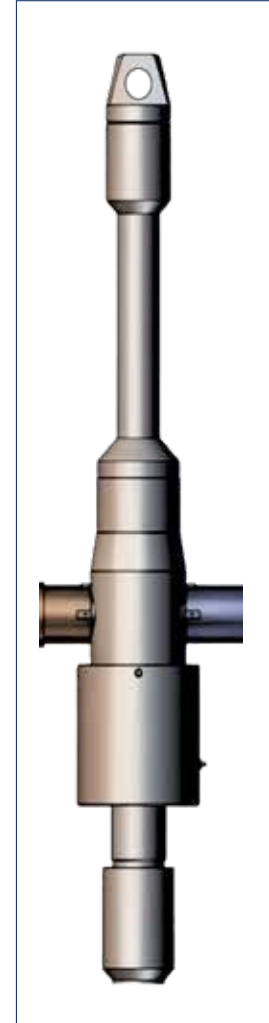


## SHIELD TS -TUBING SWIVEL

Tubing Swivel allows to rotate the work string without breaking the surface flow-line connections. This feature makes handling supply lines easier and prevents the binding frequently associated with the attachment of stiff cementing hoses. They provide a lifting point for the elevators, located above a high-capacity thrust bearing, and permit connections for discharge or flow lines. A single in-line connection, allowing wireline tools to run through the swivel, is an option. The side-port opening can be fitted with a Union nipple for the attachment of flow lines. When attachments are not needed, the opening can be plugged. Extended Wings with Threaded option (O ring) provides better Sealing and Easy for Replacing wings for maintenance purpose. Tubing swivels are designed for relatively slow rotation and cannot be used for drilling operations. Bottom connections can be changed as per the application as there is provision of changing the connection by means of Crossover arrangements.

## SPECIAL FEATURES

- Allows tubing to be rotated or moved without having to disconnect treating line.
- Reliable Thrust bearing design able to rotate easily at maximum workload.
- Extended Wings with Threaded option (O ring) provides better Sealing and Easy for replacing wings for maintenance purpose.
- Completely welding free design.
- Interchangeability with Different connections by providing Crossover at the bottom.
- Locking screw to prevent the rotation of hammer union while doing operation



CONNECTION	OVERALL LENGTH (IN)	ID (IN)	PRESSURE RATING (PSI)	TEMP. (DEGF)	DYNAMIC THRUST CAPACITY(LBS.)	STATIC THRUST CAPACITY(LBS.)	ROTATIONAL	TENSILE RATING (LBS.)
							SPEED(REV/MIN)	
3 1/2 EUE	62.19	2.5	7500	250	97000	372000	10	2,76,000
								(3 ½ EUE)