

Solid Body Pin Drive Master Bushing

Model: SDTI 2750-PS for 27.1/2" Rotary Table & SDTI 2050-PS for 20.1/2" Rotary Table

The Spectrum Drilling Tools International Solid Body Pin Drive Master Bushing is designed for 20.1/2" and 27.1/2" Rotary Tables. This Pin Drive Master Bushing allows the use of Insert Bowls in the Rotary Table while the Kelly Bushing is in operation.

With the appropriate Insert Bowl, the Master Bushing can support a maximum string load of 500 tons. Insert Bowls offer superior slip backup and are engineered to handle heavier tubular strings without the risk of string failure due to bottlenecking. These Insert Bowls, also compliant with API-7K specifications, can accommodate tubular sizes ranging from 2.3/8" to 13.3/8".

The Model SDTI 2750-PS Master Bushings are equipped with bowl locks to securely hold the Insert Bowls in place.

Part List of Solid Body Pin Drive Master Bushing:

(Interchangeable with Varco MSPC or any other Master Bushings that comply with API-7K standard)

S. No.	Description	Qty Per Unit	P/N For SDTI 2750-PS	P/N For SDTI 2050-PS
1.	Bare Body	1 No.	2751-PS	2051-PS
2.	Bowl Lock Assembly	2 No.	2752-PS	2052-PS
3.	Drive Hole Bushing	4 No.	2753-PS	2053-PS
4.	Lifting Sling (Two Hooks Type)	1 No.	2754-PS	2054-PS
5.	Bit Breaker Adapter Plate	1 No.	2755-PS	2055-PS
6.	Insert Bowl No.1 For 11.3/4" to 13.3/8" Tubular	1 No.	2756-PS	-
7.	Insert Bowl No.2 For 9.5/8" to 10.3/4" Tubular	1 No.	2757-PS	2057-PS
8.	Insert Bowl No.3 For 2.3/8" to 8.5/8" Tubular	1 No.	2758-PS	2058-PS



27.1/2" Solid Type Master Bushing
Model: SDTI 2750-PS
Figure No. 4

Solid Body Square Drive Master Bushing

Model: SDTI 2750-SS for 27.1/2" Rotary Table & SDTI 2050-SS for 20.1/2" Rotary Table

The Square Drive Master Bushing, confirming API-7K specifications, is ideal for drilling operations up to 10,000 feet where a large slip backup area is not required. The Solid Outer Body is engineered to support all transverse loads and provides suitable backing for Split Insert Bowls, even during active drilling with the Rotary Table.

Model SDTI 2050-SS accommodates tubular sizes ranging from 2.3/8" to 10.3/4" OD, while Model SDTI 2750-SS handles tubular sizes from 2.3/8" to 13.3/8" OD, utilizing Insert Bowls.

The following are the recommended accessories for these Master Bushings:

1. Bit Breaker Adapter Plate.
2. Lifting sling.
3. Insert Bowl No.1,2 & 3

Part List of Solid Body Pin Drive Master Bushing:

(Interchangeable with Varco MSPC or any other Master Bushings that comply with API-7K standard)

S. No.	Description	Qty Per Unit	P/N For SDTI 2750-SS	P/N For SDTI 2050-SS
1.	Bare Body	1 No.	2751-PS	2051-PS
2.	Bowl Lock Assembly	2 No.	2752-PS	2052-PS
3.	Drive Hole Bushing	4 No.	2753-PS	2053-PS
4.	Lifting Sling (Two Hooks Type)	1 No.	2754-PS	2054-PS
5.	Bit Breaker Adapter Plate	1 No.	2755-PS	2055-PS
6.	Insert Bowl No.1 For 11.3/4" to 13.3/8" Tubular	1 No.	2756-PS	-

Note: In addition to the standard models, Master Bushings can also be custom-made to meet specific customer requirements