

SOLID BODY PIN DRIVE MASTER BUSHING

Model: ABMB2750-PS for 27.1/2" Rotary Table & ABMB 2050-PS for 20.1/2" Rotary Table

The Autobahn Industries Solid Body Pin Drive Master Bushing is designed for 20.1/2" and 27.1/2" Rotary Tables, adhering to the latest API-7K Specification. 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 ABMB2750-PS Master Bushings are equipped with bowl locks to securely hold the Insert Bowls in place.



27.1/2" Solid Type Master Bushing
Model : ABMB 2750-PS
Figure No. 5



20.1/2" Solid Type Master Bushing
Model : ABMB 2050-PS
Figure No. 6

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 ABMB 2750-PS | P/N For ABMB 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 |

SOLID BODY SQUARE DRIVE MASTER BUSHING

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

The Square Drive Master Bushing, compliant with 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 ABMB 2050-SS accommodates tubular sizes ranging from 2.3/8" to 10.3/4" OD, while Model ABMB 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 Square Drive Master Bushing:

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

| S.No. | Description | Qty. Per Unit | P/N For ABMB 2750-SS | P/N For ABMB 2050-SS |
|-------|---|---------------|----------------------|----------------------|
| 1. | Bare Body | 1 No. | 2751-SS | 2051-SS |
| 2. | Bowl Lock Assembly | 2 No. | 2752-SS | 2052-SS |
| 3. | Lifting Sling (Two Hooks Type) | 1 No. | 2754-SS | 2054-SS |
| 4. | Insert Bowl No.1 For 11.3/4" to 13.3/8" Tubular | 1 No. | 2756-SS | – |
| 5. | Insert Bowl No.2 For 9.5/8" to 10.3/4" Tubular | 1 No. | 2757-SS | 2057-SS |
| 6. | Insert Bowl No.3 For 2.3/8" to 8.5/8" Tubular | 1 No. | 2758-SS | 2058-SS |

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