

### Master Bushings

MKP Master Bushings are designed for SQ and Pin drive Kelly bushings from sizes 17-1/2" to 37-1/2" rotary tables. The pin drive allows the use of extended insert bowls to meet flush with the top of table which means better slip support and preventing damage to drill pipe. The SQ drive bushing has a 4" deep recess to be used with the SQ drive Kelly bushings. Short and medium style slips are used in the SQ drive for shallower depth and drilling.



Master Bushings						
Make	Size	MPCH	MSPC	MSP/MDSP	MSS	MBSS
API	17-1/2"				J-1006-1	J-1003
	20-1/2"		J-1805-1		J-1007-1	J-1007
	27-1/2"		J-1808-1	J-5429-1	J-1010-1	
Brewster	RSH-18			J-70526-4	J-1006-8	J-1001
	RSB-18					J-1001-B
	RSH-22				J-1008-3	J-1008
	RSH-27-1/2"		J-1808-8	J-5429-2		J-1013
Emsco	17-1/2"				J-1006-1	J-1003
	20-1/2"		J-1805-1	J-70539-4	J-1007-1	J-1006
	27-1/2"		J-1808-1	J-5429-1		J-1010
	37-1/2"	J-6601-2				
Ideco	17-1/2"				J-1006-5	J-1002
	20-1/2"			J-70539-1	J-1007-1	J-1007
	23"		J-1806-1	J-70539-9	J-1008-1	J-1005
	27-1/2"		J-1808-7	J-5429-7	J-1010-7	J-1016
	37-1/2"	J-6601-4				
Oilwell	17-1/2"				J-1006-1	J-1003
	20-1/2"		J-1805-1	J-70539-4		J-1000
	A20-1/2"					J-1006
	27-1/2"		J-1808-1	J-5429-1		J-1010
	37-1/2"	J-6601-3				
National	17-1/2"				J-1006-1	J-1004
	20-1/2"		J-1805-1	J-70539-4	J-1007-1	J-1006
	27-1/2"		J-1808-5	J-5429-5	J-1010-5	J-1012
	37-1/2"	J-6601-1				
Gardner Denver	17-1/2"					J-1003
	20-1/2"					
	22-1/2"					J-1009
	27-1/2"		J-1808-1			J-1010
	37-1/2"	J-6601-7				



### Casing Bushings

The MK Style Casing Bushings are designed to fit into the rotary table for perfect alignment with the well bore. All bushings are designed to be fitted with insert bowls to accommodate all pipe and casing sizes. The bushings and bowls are designed to be used with the CMSXL slips and all API 4 tapered slips.

Casing Bushing			
Manufacturer	Rotary Table Size	Casing Size	Casing Bushing/Insert Bowl
All	17-1/2" – 20-1/2"	11-3/4" – 13-3/8"	J-3102
		9-5/8" & 10-3/4"	J-1902
All	26 & 27-1/2"	18-5/8" & 20"	J-3103
		2-3/8" – 8-5/8"	J-1809
		11-3/4" & 13-3/8"	J-3105
		16"	J-3104
All (27-1/2 API)	27/01/2002	20"	J-6695
		9-5/8" & 10-3/4"	J-6114
		11-3/4" & 13-3/8"	J-6126
		16"	J-6127
NATIONAL	37-1/2" – 49-1/2"	20"	J-10187
		9-5/8" & 10-3/4"	J-6114
		11-3/4" & 13-3/8"	J-6126
		16"	J-6127
		24"	J-11253
		16"	J-11486
		18-5/8" & 20"	J-16964
		26"	J-16454
		30"	J-11763
OILWELL/WIRTH	37-1/2" – 49-1/2"	20"	J-10188
		9-5/8" & 10-3/4"	J-6114
		11-3/4" & 13-3/8"	J-6126
		16"	J-6127
		24"	J-6170
		16"	J-11486
		18-5/8" & 20"	J-16964
		30"	J-12093
EMSCO	37-1/2" – 49-1/2"	20"	J-11553
		9-5/8" & 10-3/4"	J-6114
		11-3/4" & 13-3/8"	J-6126
		16"	J-6127
		24"	J-16542
		16"	J-11486
		18-5/8" & 20"	J-16964
IDECO	37-1/2"	30"	J-11633
		20"	J-10189
		9-5/8" & 10-3/4"	J-6114
		11-3/4" & 13-3/8"	J-6126
		16"	J-6127
		30"	J-12092



### **MKP Kelly Drive Bushings**

The MKP Square and Pin Drive Bushings are designed for shallow, medium depth and deep well drilling. The bushing will accommodate 3" - 6" hex and square Kellys. Standard fiber sleeve bearings are offered with optional roller bearings upon request.

<b>Kelly Bushings</b>				
Kelly Size/Type	KRVS	KRBM	27HDP	27HDS
3" Hex	J-1402-30	J-5208-30	J-3650-30	J-3635-30
3-1/2" Hex	J-1402-35	J-5208-35	J-3650-35	J-3635-35
4-1/4" Hex	J-1402-42	J-5208-42	J-3650-42	J-3635-42
5-1/4" Hex			J-3650-52	J-3635-52
6" Hex			J-3650-60	J-3635-60
2-1/2" Sq	J-1401-25	J-5209-25		
3" Sq	J-1401-30	J-5209-30	J-3651-30	J-3636-30
3-1/2" Sq	J-1401-35	J-5209-35	J-3651-35	J-3636-35
4-1/4" Sq	J-1401-42	J-5209-42	J-3651-42	J-3636-42
5-1/4" Sq	J-1401-52		J-3651-52	J-3636-52
6" Sq			J-3651-60	J-3636-60

<b>Roller Assemblies</b>			
Size	KRVS	KRBM	HDP/HDS
3" Hex	J-1450	J-5210	J-3667
3-1/2" Hex	J-1451	J-5211	J-3668
4-1/4" Hex	J-1452	J-2948	J-3669
5-1/4" Hex			J-3672
6" Hex			J-3673
2-1/2" Sq	J-1445	J-2949	
3" Sq	J-1446	J-2943	J-3660
3-1/2" Sq	J-1447	J-2944	J-3661
4-1/4" Sq	J-1448	J-2945	J-3662
5-1/4" Sq			J-3665
6" Sq			J-3666

### **Master Bushing Insert Bowls & Accessories**

The MK Style Insert Bowls are designed to work with the MPCH and Solid master bushings to accommodate sizes up to 13-3/8". We also provide 2 and 4 leg lifting slings and a bit breaker adapter plate.



<b>Master Bushing Insert Bowls &amp; Accessories</b>	
Part Number	Description
J-1810	API # 3 Insert Bowl 8-5/8" and Smaller
J-1904	API # 2 Insert Bowl 9-5/8" - 10-3/4"
J-1903	API # 1 Insert Bowl 11-3/4" - 13-3/8"
J-6608	API # 3 Insert Bowl w/ Ears 8-5/8" and Smaller
J-6609	API # 2 Insert Bowl w/ Ears 9-5/8" - 10-3/4"
J-6610	API # 1 Insert Bowl w/ Ears 11-3/4" - 13-3/8"
J-1021	Lifting Sling ( 2 Leg )
J-6699	Lifting Sling ( 4 Leg )
J-1816	Bit Breaker Adapter Plate
J-12108	WIPER KELLY 3 1/2"
J-3748	RETAINING SCREW W/ LOCK WASHER