

Slips

Slips, device used to grip the drilling string in a relatively non damaging way and suspend it in the rotary table. This device contains three or more steel wedges that are hinged together, forming a near circle around the drill pipe. On the drill pipe side (inside surface), the slips are fitted with replaceable, hardened tool steel teeth that embed slightly into the side of the pipe. The outsides of the slips are tapered to match the taper of the rotary table. After the rig crew places the slips around the drill pipe and in the rotary, the driller slowly lowers the drilling string. As the teeth on the inside of the slips grip the pipe, the slips are pulled down.

General Features



W series Slips including WK slip, WT casing slip, WZ drilling pipe slip, and WZT drilling collar slip, used for clamping drilling pipe, drilling collar, casing, tubing and other parts of drilling string. Suitable for onshore or offshore drilling operations.

Details

The W series [safety power slips](#) were developed to provide the market with more reliable technology and more hoisting performance. Including WK slip, WT casing slip, WZ drilling pipe slip, and WZT drilling collar slip, used for clamping drilling pipe, drilling collar, casing, tubing and other parts of drilling string. The slips are featured with simple structure, easy to maintenance, high reliability and long life. Included but not limited by the advantages mentioned, W series slips might be your best choice.

General Features

- Manufactured according to API 7K
- Suitable Temperature Range: 0°C to +121°C
- Suitable for onshore or offshore rigs
- Simple structure, high reliability, long last life
- Multiple type and size available, suitable for different operation

Main Parameters

Suitable Drilling Pipe Diameter: 2-3/8" – 5-1/2" (60 mm – 139.7 mm)

Suitable Drilling Collar Diameter: 4" – 30" (102 mm – 762 mm)

Suitable Casing Diameter: 3" – 14" (76.2 mm – 355.6 mm)

Rated Load Capacity: 100 kN – 2250 kN (10 ton – 230 ton)

Parameters:

WK Series Slip

Type	Body Size	Pipe OD		Dies		Max. Load (kN)
		in	mm	P/N	Qty	
WK	3-1/2"~5"	2.875	73	2.875	57	1125
		3.5	88.9	3.5	57	
		4.125	104.8	4.125	63	
		4.5	114.3	4.5	63	
		4.75	120.7	4.75	63	
		5	127	5	63	
	5"~7"	5	127	5	60	
		5.5	139.7	5.5	60	
		5.5625	141.3	5.5625	60	
		5.75	146.1	5.75	60	
		6.125	155.6	6.125	66	
		6.25	158.8	6.25	66	
		6.625	168.3	6.625	66	
		7	177.8	7	66	

WT Casing Slip

Type	Casing OD		Weight		Insert No.
	in	mm	Kg	lb	
WT	4.5	114.3	72	151.2	No.3
	5	127	72	151.2	
	5.5	139.7	70	147	
	6	152.4	70	147	
	6.625	168.3	93	195.3	
	7	177.8	88	184.8	
	7.625	193.7	79	165.9	
	8.625	219.1	86	180.6	No.2
	9.625	244.5	105	220.5	
	10.75	273.1	110	231	No.1
	11.75	298.5	136	285.6	
	13.375	339.7	135	283.5	Matching Casing Bushing
	16	406.4	158	331.8	
	18.625	473.1	185	388.5	
	20	508	192	403.2	
24	609.6	219	459.9		
26	660.4	238	499.8		
30	762	262	550.2		

WZ Series Drilling Pipe Slip

Type	BodySize (in)	ZS		ZML		ZXL	
		Pipe Size (in)	Weight (lbs)	Pipe Size (in)	Weight (lbs)	Pipe Size (in)	Weight (lbs)
WZ	3-1/2	2-3/8	117	2-3/8	193	-	-
		2-7/8	111	2-7/8	188	-	-
		3-1/2	107	3-1/2	180	-	-
	4-1/2	3-1/2	143	3-1/2	207	3-1/2	229
		4	136	4	199	4	219
		4-1/2	127	4-1/2	188	4-1/2	205
	5	4	-	4	204	4	237
		4-1/2	-	4-1/2	196	4-1/2	227
		5	-	5	185	5	213
	5-1/2	-	-	4-1/2	200	4-1/2	234
		-	-	5	185	5	224
		-	-	5-1/2	181	5-1/2	210
	5-7/8	-	-	5-3/4	-	5-3/4	-
		-	-	5-7/8	-	5-7/8	-
		-	-	-	-	-	-
	7	-	-	5-7/8	-	5-7/8	-
		-	-	6-5/8	-	6-5/8	-
		-	-	7	-	7	-

WZT Series Drilling Collar Slip

Type	DC OD		Dies		Qty of Segments	Weight		Insert No.	Max. Load (kN)
	in	mm	P/N	Qty		kg	lb		
WZT-S	42067	76.2-101.6	2628	49	7	51	112	API or No.3	360
	4-4.7/8	101.6-123.8	2620	49	7	47	103		
WZT-M	4.1/2-6	114.3-152.4	2628	63	9	54	120	API or No.3	360
	5.1/2-7	139.7-177.8	2620	63	9	51	112		
WZT-L	6.3/4-8.1/4	171.4-209.6	2630	88	11	70	154	API or No.3	360
	8-9.1/2	203.2-241.3	2630	96	12	78	173		
	8.1/2-10	215.9-254	2627	104	13	84	185	No.2	
	9.1/4-11.1/4*	235-285.7	2630	112	14	90	198		
	11-12.3/4*	279.4-323.9	2625	128	16	90.5	200	No.1	
	12-14*	304.8-355.6	2630	136	17	94	207		

Spinner Torque	4kN.m (2900ft.lbs)
Dimension	2090*1590*4050 mm 82" * 63" * 160"