

Rotary Table and Swivel Set for Drilling Rigs

This set includes rotary tables and swivels used in drilling operations. The rotary table provides rotational force, while the swivel allows the drill string to rotate while remaining stationary.



Overview

High-Performance Drilling Components

This professional-grade rotating system set includes precision-engineered rotary tables and heavy-duty swivels designed for demanding drilling operations. With rotary table openings ranging from 17 1/2" to 49 1/2" and swivel capacities from 135 to 675 metric tons, these components provide the reliability needed for petroleum prospecting. These systems support advanced drilling techniques by ensuring smooth rotation and stable suspension for the drill string.

Rotary Table Specifications

Technical Parameters of Rotary Tables

Model		ZP175	ZP205	ZP275	ZP375	ZP375 Enforced Type	ZP495
Opening Diameter	mm	444.5	520.7	698.5	952.5	952.5	1,257.3
	in	17-1/2	20-1/2	27-1/2	37-1/2	37-1/2	49-1/2
Max. Static Load	kN	1,350	3,150	4,500	5,850	7,250	7,250
	lb	300,000	700,000	1,000,000	1,300,000	1,600,000	1,600,000
Max. Working Torque	N.m	14,000	23,000	28,000	33,000	45,000	45,000
	ft.lbs	10,126	16,636	20,252	23,869	32,548	32,548
Max. Speed	r/min	300	300	300	300	300	300
Gear Ratio		3.58	3.22	3.67	3.56	3.62	4.0833
Overall Dimension	L	mm	1,935	2,292	2,392	2,457	2,457
		in	76	90	94	97	96
	W	mm	1,280	1,475	1,670	1,810	1,810
	in	50	58	66	71	71	
	H	mm	585	668	685	718	718
	in	23	26	27	29	28	
Weight	kg	3,888	5,530	6,163	7,990	8,325	13,210
	lb	8,572	12,191	13,587	17,615	18,354	29,148

Comprehensive parameter table for the ZP series rotary tables.

Key Performance Data

Model	Opening (in)	Max Static Load (kN)	Max Speed (r/min)
ZP175	17-1/2	1350	300
ZP205	20-1/2	3150	300
ZP275	27-1/2	4500	300
ZP375	37-1/2	5850	300
ZP375 Enforced	37-1/2	7250	300
ZP495	49-1/2	7250	300

Available Models

ZP175, ZP205, ZP275, ZP375, ZP375 Enforced, ZP495

Swivel Specifications

Technical Parameters of Swivels

Model		SL135	SL225	SL450	SL450 Enforced Type	SL675
Max. Static Load	kN lb	1,350 300,000	2,250 500,000	4,500 1,000,000	4,500 1,000,000	6,750 1,500,000
Max. Speed	r/min	300	300	300	300	300
Max. Working Pressure	MPa psi	35 5,000	35 5,000	35 5,000	52 7,500	52 7,500
Bore Diameter of Stem	mm in	64 2 1/2	75 3	75 3	75 3	102 4
Connection	To Stem	4 1/2 REG LH	6 5/8 REG LH	7 5/8 REG LH	7 5/8 REG LH	8 5/8 REG LH
	To Kelly	6 5/8 REG LH	6 5/8 REG LH	6 5/8 REG LH	6 5/8 REG LH	6 5/8 REG LH
	To Rotary Hose	4" 8 Teeth/inch	4" 8 Teeth/inch	4" 8 Teeth/inch	4" 8 Teeth/inch	4" 8 Teeth/inch
Overall Dimension (L x W x H)	mm	2,505x758 x840	2939x1026 x1065	3,015x1,096 x1,065	3,095x1,096 x1,065	3,649x1,450 x1,162
	in	98x30 x33	116x40 x42	119x43 x42	122x43 x42	138x57 x46
Weight	kg	1,341	2,685	3,060	3,142	6,300
	lb	2,956	5,920	6,746	6,933	13,889

Swivel configuration and technical parameter reference guide.

Swivel Series

- SL135
- SL225
- SL450
- SL450 Enforced
- SL675

Swivel Performance

675 Metric Tons

Max Capacity

300 r/min

Max Speed

52 MPa

Max Pressure