

MEROL ENERGY SERVICES PRIVATE LIMITED

HYDRAULIC OPERATED POWER SLIPS

Model: HPS-500

We make Hydraulic Power Slips are designed for handling long, heavy tubulars from 2.3/8" to 14" and a capacity of 500 ston while installed in the Rotary Table, various adapters for different Rotary Table sizes and types are available. The Power Slip is equipped a central greasing system and a hydraulic feedback for "Slips up" and "Slips down".

Special Features :

- Slip Assemblies and Insert Carrier interchangeable with HPS-500.
- Only one body of HPS-500 is needed to handle complete range of 2-3/8" to 14".



Hydraulic Power Slip
Figure No. 36

Technical Specification

Maximum permissible operating load	500 short ton
Material and Production Standard	API 7K Specification
Pipe diameter	2.3/8" to 14"
Rotary Table diameter	37½"
Rotary Table	All Rotary Table with respective Adapter
Hydraulic Working Pressure	Min 160 bar (2321 psi), Max 210 bar (3046 psi)
Hydraulic Flow Rate	Min 18.9 L/min (5 gpm), Max 37.9 L/min (10 gpm)

S.No.	Item Description	Part No.
1.	Body	HPS-51
2.	Door Assembly	HPS-52
3.	Centring System	HPS-53
4.	Slip Assembly	HPS-55
5.	Stand Alone Control Unit For Operating Power Slip	Upon request

Insert Carrier Detail

S.No.	Insert Carrier for Drill Pipe	Inserts Part No.	Carrier Body Size	Part No.	Load Rating (Ton)
1.	2.3/8"	HPS-5601	3.1/2"	HPS-561	250
2.	2.7/8"	HPS-5602			
3.	3.1/2"	HPS-5603			
4.	3.1/2"	HPS-5604	4.1/2"	HPS-562	350
5.	4"	HPS-5605			
6.	4.1/2"	HPS-5606			
7.	4.1/2"	HPS-5607	5.1/2"	HPS-563	500
8.	5"	HPS-5608			
9.	5.1/2"	HPS-5609			
10.	5.7/8"	HPS-5610	7"	HPS-564	500
11.	6.5/8"	HPS-5611			
12.	6.906"	HPS-5612			
13.	7"	HPS-5613			
14.	6.5/8"	HPS-5614	7.5/8"	HPS-565	500
15.	6.906"	HPS-5615			
16.	7"	HPS-5616			
17.	7.5/8"	HPS-5617			
18.	7.3/4"	HPS-5618			
S.No.	Insert Carrier for Casing Pipe				
19.	8.5/8"	HPS-5619	9.5/8"	HPS-566	500
20.	9.5/8"	HPS-5620			
21.	9.5/8"	HPS-5621	10.3/4"	HPS-567	500
22.	9.7/8"	HPS-5622			
23.	10"	HPS-5623			
24.	10.3/4"	HPS-5624	12.3/4"	HPS-568	500
25.	11.3/4"	HPS-5625			
26.	11.7/8"	HPS-5626			
27.	12.3/4"	HPS-5627	14"	HPS-569	500
28.	12.3/4"	HPS-5628			
29.	13.3/8"	HPS-5629			
30.	13.1/2"	HPS-5630			
31.	13.5/8"	HPS-5631			
32.	14"	HPS-5632			

S.No.	Insert Carrier for Drill Collar with Zip Groove				
33.	4.3/4"	HPS-5633	4.1/2"	HPS-571	150
34.	5.1/4"	HPS-5634	5.1/2"	HPS-572	150
35.	6.1/4"	HPS-5635	6.3/4"	HPS-573	150
36.	6.1/2"	HPS-5636			
37.	6.3/4"	HPS-5637			
38.	7"	HPS-5638	8.1/2"	HPS-574	150
39.	8"	HPS-5639			
40.	8.1/4"	HPS-5640			
41.	8.1/2"	HPS-5641			
42.	8.3/4"	HPS-5642	9.1/2"	HPS-575	150
43.	9"	HPS-5643			
44.	9.1/2"	HPS-5644			
45.	9.3/4"	HPS-5645			
46.	10"	HPS-5646			

Optional Accessories

S.No.	Description	Part No.
1.	Guide Plate 5-7/8"	HPS-534
2.	Guide Plate 6-5/8"	HPS-535
3.	3-Point Lifting Rope for Slip Segment	HPS-536
4.	4-Point Lifting Rope for Hydraulic Power Slip	HPS-537
5.	Insert Carrier Lifting Tool	HPS-538
6.	Top Wear Guide	HPS-539

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