TSP RRP Hangers

The newest rotating liners from TIW go a long way to improve the economics and quality of your primary cementing jobs. The TSP Hanger is available in hydraulic or mechanical models. The mechanical version is available in either left- or right-hand jay.

Cost-Effective

TIW can manufacture the TSP RRP Hanger from customer-supplied casing which means significant cost savings when dealing with high-alloy or other exotic materials.

Increased Flow Area, Higher Cementing Integrity

The TSP RRP Hanger has special channels milled in its two slip cones to provide maximum fluid bypass for easier running and lower circulating pressures. In fact, the TSP RRP has a larger bypass area than any rotating hanger on the market. This feature alone can improve cement job integrity with its improved displacement efficiency. Cement is less prone to channeling and bridging because of the large bypass area, and you can use lower circulating pressures so there is less chance of damaging pressure-sensitive formations.

Strength And Versatility

The TSP RRP's piston-setting feature utilizes heavy-wall materials that dramatically increase the pressure integrity of the hydraulic section. The exclusive slip/cone outer barrel not only adds strength at the point of maximum stress for increased collapse resistance, but its design also has the ability to accommodate additional cones for greater hanging capacities.

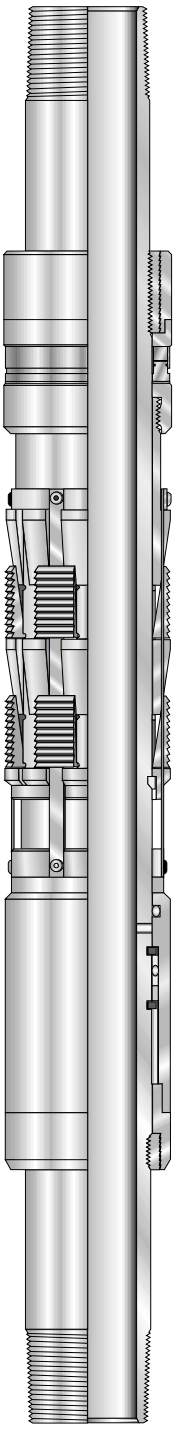
A Bearing Designed for Longer Rotation

For better hole conditioning and cement placement, the TSP RRP Hanger has a load bearing designed for extended liner rotation. This feature and the hanger's large bypass area improve displacement efficiency and cement bonding even in tight, eccentric holes.

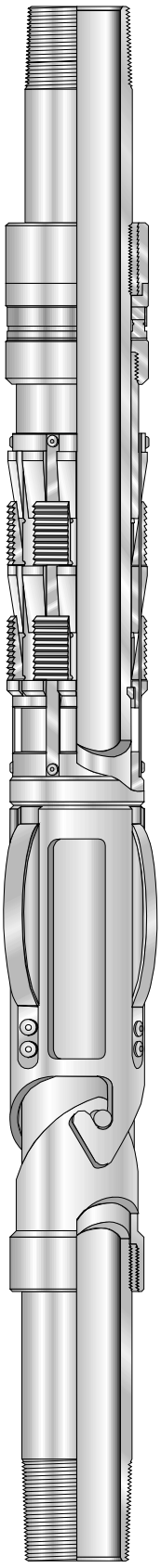
The bearing will withstand the rotation of long, heavy liners for extended periods and will resist failure caused by high torque, and contamination by drilling fluids and well effluents.

TSP RRP Hanger Bypass Specifications

LINER SIZE O.D.		CASING SIZE O.D.		CASING SIZE WEIGHT RANGE		SLIP AND CONE BYPASS MAXIMUM O.D.		BYPASS UNSET		BYPASS SET		LOWER CONNECTION HANGER MAXIMUM O.D.		LOWER CONNECTION HANGER LOWER CONNECTION BYPASS	
In.	**Mm.**	In.	**Mm.**	Lb./Ft.	**Kg./M.**	In.	**Mm.**	In.²	**Cm.²**	In.²	**Cm.²**	In.	**Mm.**	In.²	**Cm.²**
4½	**114.3**	7	**177.8**	20.0-26.0	**29.8-38.7**	6	**152.4**	4.65	**30.0**	3.04	**19.6**	5.75	**146.1**	5.86	**37.8**
4½	**114.3**	7	**177.8**	29.0-35.0	**43.2-52.1**	5.78	**146.8**	3.76	**24.3**	2.74	**17.7**	5.72	**145.3**	3.48	**22.4**
5	**127.0**	7	**177.8**	20.0-26.0	**29.8-38.7**	6	**152.4**	4.65	**30.0**	3.04	**19.6**	5.75	**146.1**	5.86	**37.8**
5	**127.0**	7	**177.8**	29.0-35.0	**43.2-52.1**	5.78	**146.8**	3.76	**24.3**	2.74	**17.7**	5.72	**145.3**	3.48	**22.4**
5	**127.0**	7⅝	**193.7**	24.0-29.7	**35.7-44.2**	6.50	**165.1**	6.34	**40.9**	3.80	**24.5**	6.31	**160.4**	6.84	**44.2**
5	**127.0**	7⅝	**193.7**	33.7-39.0	**50.1-58.1**	6.38	**161.9**	5.27	**34.0**	3.44	**22.2**	6.25	**158.8**	5.26	**34.0**
7	**177.8**	9⅝	**244.5**	40.0-53.5	**59.5-79.6**	8.31	**211.2**	8.00	**51.7**	5.18	**33.4**	8.22	**208.8**	7.15	**46.1**
7⅝	**193.7**	9⅝	**244.5**	43.5-47.0	**64.7-69.9**	8.41	**213.6**	5.53	**35.7**	4.34	**38.0**	8.38	**212.7**	5.11	**32.9**



TSP RRP Hydro-Hanger



TSP RRP Mechanical Hanger