



PL-LH/PHSG

Hydraulic Liner Hanger System with Packer PL-LH/PHSG

Is designed for suspension and sealing of casing sections, "liner", in pre-lowered casing after cementing or without cementing of the well.

During casing string fastening it ensures its straightness during cement slurry setting thus preventing unloading on cement stone, effectively influencing contact of cement stone with casing string and reliable sealing of inter-casing space, excluding overflow of formation fluids during well operation. Liner hanger PL-LH/PHSG is used for both vertical and directional wells and can be combined with various process equipment.

A stop collar, plug, or ball for it is delivered together with the hanger, depending on the technological features of the well.

Hanger activation is hydraulic. The activation pressure is agreed with the Customer.

DESIGN ADVANTAGES:

- Lowering and anchoring wells in difficult geological conditions;
- Independent activation of the hanger and packer elements;
- Reliable fixation of packers from axial movement;
- Wide working pressure range;
- Reliability and ease of use.

Casing, in / (mm)	Installation range, in / (mm)	Inner diameter min., in / (mm)	Maximum pressure, psi / (Mpa)		Permissible pressure drop on the rubber elements of the packer, psi / Mpa	Load capacity, t
			Activation	Testing		
3 1/2" (88,9)	4,6"-5,12" (117-130)	2,95" (75)	4350 (30)	14500 (100)	14500 (100)	80
4 " (101,6)	4,6"-5,12" (117-130)	3,46" (88)	4350 (30)	14500 (100)	14500 (100)	100
4 1/2" (114,3)	5,5"-6,3" (140-160)	3,85" (98)	4350 (30)	14500 (100)	14500 (100)	120
5 " (127)	5,9"-6,3" (150-160)	4,25" (108)	4350 (30)	14500 (100)	14500 (100)	150
5 1/2" (139,7)	6,61"-9,05" (168-230)	4,76" (121)	4350 (30)	14500 (100)	14500 (100)	180
5 3/4" (146)	6,61"-9,05" (168-230)	5" (127)	4350 (30)	14500 (100)	14500 (100)	190
6 5/8" (168,3)	7,68"-9,05" (195-230)	5,94" (151)	4350 (30)	14500 (100)	14500 (100)	200
7" (178)	8,46"-9,05" (215-230)	6,25" (159)	4350 (30)	14500 (100)	14500 (100)	200
9 5/8" (244,5)	11,61"-12,79" (295-325)	8,85" (225)	3625 (25)	13050 (90)	10150 (70)	250



* design dimensions can be changed and manufactured to individual technological conditions of the customer's well