

High Expansion Gauge Hanger

The Wellpro Group High Expansion Gauge Hanger is used for hanging off gauges and other tools in a well.

Designed for use in tubing with no nipple profiles, the gauge hanger provides a platform to hang gauges from while at the same time constituting a negligible flow restriction. The tool can also be used as an anchor to prevent unwanted movement of, for example, abandoned equipment in flowing wells.

Two bi-directional slip modules allow loads in either direction and self centralise the tool on setting. On retrieval the slips are positively retracted from the tubing/casing wall to their running position.

The gauge hanger can be run on slickline or electric cable and is set using standard setting tools. Retrieval is with a JDC pulling tool for simplicity.

The gauge hanger comes in two chassis sizes: 1.5" and 2.0" OD's. Conversion kits enable the gauge hanger to be set in a range of tubing sizes from 2-7/8" through to 7".

Features

- High expansion
- Low flow restriction
- Self centralising
- High load capacity
- Setting and retrieval on standard slickline or electric cable tools
- Short tool string

Applications

- Memory gauge hanger
- Anchor for downhole tool
- Anchor for debris subs
- Anchor for M-PLT's used for stationary logging in cased hole
- Anchor for downhole sampling tools
- Anchor for inflatable / swellable tools
- Anchor for perforation guns

Benefits

- Provides an extremely low flow restriction
- Allows Gauges to be deployed without the need of a nipple profile
- Eliminates debris build up, enhancing retrievability after long term deployment
- Minimal redress requirement due to robust design
- Retrieved by standard wireline methods



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Technical Specifications

1.5" OD Gauge Hanger Pipe ID Ranges

Conversion Kit Size.	Tubing OD (in)	Weight Range (lb/ft)	Inside Diameter Range (in)				Flow Area Restriction
			min		max		
			in	mm	in	mm	
2-7/8"	2-7/8	6.4 - 11.5	1.878	47.70	2.494	63.35	52%
3-1/2"	3-1/2	7.7 - 17.0	2.309	57.73	3.119	79.22	39%
4-1/2"	4	9.5 - 13.2	3.255	82.68	3.600	91.44	33%
	4-1/2	12.6 - 26.1	3.109	78.97	4.029	102.34	28%

2.0" OD Gauge Hanger Pipe ID Ranges

Conversion Kit Size.	Tubing OD (in)	Weight Range (lb/ft)	Inside Diameter Range (in)				Flow Area Restriction
			min		max		
			in	mm	in	mm	
4-1/2"	4	9.5	3.481	88.42	3.6	91.44	42%
	4-1/2	10.5 - 15.1	3.752	95.30	4.118	104.60	40%
5-1/2"	5	15 - 18	4.195	106.55	4.486	113.94	35%
	5-1/2	15.5 - 26.8	4.393	111.58	5.031	127.79	30%
7"	6-5/8	20 - 32	5.569	141.45	6.142	156.01	23%
	7	23 - 35	35.892	149.66	6.466	164.24	22%

Pulling tool: JDC type

Material: Any NACE compatible material for sour well conditions



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