

High Expansion Gauge Hanger

The Omega High Expansion Gauge Hanger is used for hanging gauges and other tools in wells with no nipple profiles.

Its slimline design allows it to do so whilst constituting a negligible flow restriction. The tool can also be used as an impediment to the upward movement of abandoned equipment in flowing wells. 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.

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

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".

Each high expansion gauge hanger package comes supplied in its own transport case with customised foam padding. This allows easy transportation to the well site and ensures that the tool and its associated kit components remain well protected.

Technical Specifications

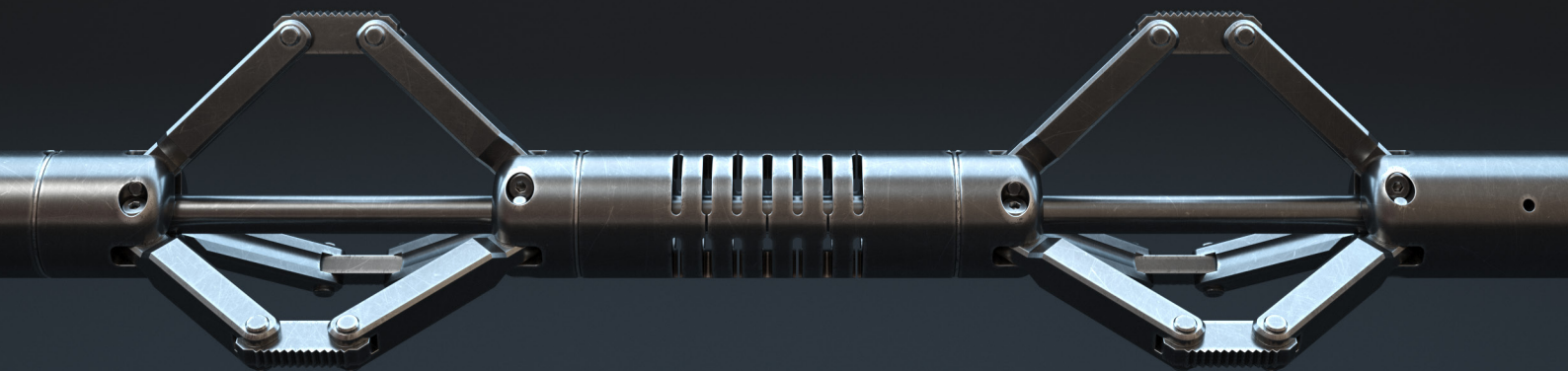
High Expansion Gauge Hanger

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"	2-3/8	4.0 - 4.6	1.931	49.05	2.089	53.06	60%
	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	5.892	149.66	6.466	164.24	22%

Pulling tool: JDC type

Material: NACE compatible materials for sour well conditions. Contact your Omega representative for further information.



Features - Applications - Benefits

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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 debris subs.
- Anchor for M-PLT's used for stationary logging in cased hole.
- Anchor for downhole sampling tools.

BENEFITS

- Provides an extremely low flow restriction.
- Allows gauges to be deployed without the need of a nipple profile.
- Minimal redress requirement due to robust design.
- Retrieved by standard wireline methods.

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