

GAUGE CARRIER (GAUGE MANDREL)

Oiltest has developed a range of gauge carriers to suit all down hole environments. Our range of carriers combine simplicity and robustness with superb integrity to provide an extremely reliable and field proven method of conveying memory gauges downhole.

Gauge carriers are available for the following operations:

- Standard 10,000 psi, H₂S/CO₂ Service.
- High Pressure/High Temperature, up to 15,000 psi.
- Big Bore for stimulation, fracturing and horizontal wells.
- Slim Hole, for use in heavy duty casing and where there may be a requirement to run a wash over tool.
- Ultra Slim, for use in 5" liners
- Below Gun, for use below TCP or wireline guns to get data at the sand face, even in 5" liners.



FEATURES	BENEFITS
Full Bore	Smooth internal bore with no dogleg, facilitates wireline runs through tubing.
Premium Connections	Ensures gas tight seal under the most hostile conditions.
Metal to Metal Seal Manifold	Ensures no elastomers are directly exposed to wellbore fluids.
Gauges mounted externally	Protects gauges from high rate gas well testing and ensures no exposure to wellbore fluids.
No internal welds or seals	Machined from single section of either AISI 4140 or 4145 steel or copper beryllium.
Carriers available for specific applications	H ₂ S/CO ₂ Service, 10k MWP, 15k MWP, Big Bore, Slim Hole.

Specifications

TECHNICAL SPECIFICATION							
Carrier	Standard	Slim Bore	Air Transportable	7" Big Bore	9 5/8" Big Bore	Ultra Slim	Below Gun
Length	21 ft (6.4m)	21 ft (6.4m)	10 ft (3.0m)	25 ft (7.6m)	21 ft (6.4m)	9.75 ft (3.0m)	8 ft (2.4m)
OD	5.38" (137 mm)	4.9" (124 mm)	5.38" (137 mm)	5.74" (138 mm)	8.0" (203 mm)	4.0" (102 mm)	1.9" (48 mm)
ID	2.3" (58 mm)	2.25" (57 mm)	2.3" (58 mm)	3.7" (94 mm)	4.6" (117 mm)	2.25" (57 mm)	None
Offset	0.5" (13 mm)	0.6" (15 mm)	0.5" (13 mm)	0.5" (13 mm)	0.5" (13 mm)	0.5" (13 mm)	None
Working Pressure	10k psi (689 bar)	15k psi (1034 bar)	10k psi (689 bar)	6k psi (414 bar)	10k psi (689 bar)	15k psi (1034 bar)	15k psi (1034 bar)
Test Pressure	15k psi (1034 bar)	22.5k psi (1550 bar)	15k psi (1034 bar)	9k psi (621 bar)	15k psi (1034 bar)	22.5k psi (1550 bar)	N/A
Burst Pressure	23k psi (1586 bar)	26.6k psi (1834 bar)	20.5k psi (1413 bar)	12k psi (828 bar)	18k psi (1241 bar)	TBA	N/A
Collapse Pressure	20.9k psi (1441 bar)	24.8k psi (1710 bar)	18k psi (1241 bar)	11k psi (724 bar)	16k psi (1103 bar)	TBA	N/A
Weight	1000 lbs (459 kg)	900 lbs (410 kg)	500 lbs (227 kg)	1000 lbs (459 kg)	1400 lbs (635 kg)	175 lbs (80 kg)	50 lbs (23 kg)
Material	4140/4145	4140	4140/4145	4145	4145	Copper Beryllium	313 Stainless Steel
No of Gauges	4	4	2	3	4	2	2