

## PRODUCT OVERVIEW

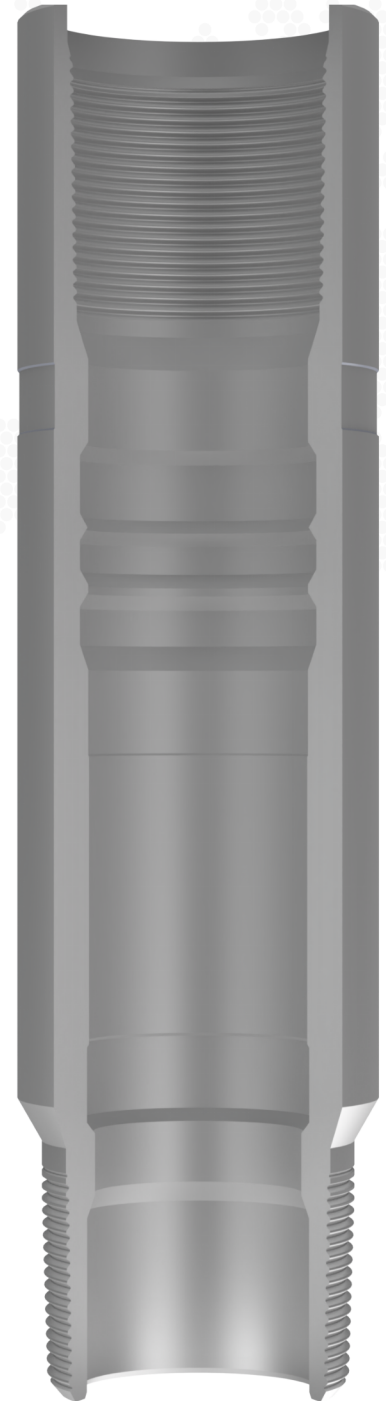
Giant Oil Tools Model GORN Landing Nipples are comparable to Halliburton's RN® Landing Nipples. They are Bottom No-Go nipple used to land, lock and seal comparable Halliburton's RN® Locking Mandrels with attached flow control devices in the production tubing string.

Model GORN Landing Nipples are manufactured from high quality alloy steels meeting NACE WR-01-75 (latest edition) or other premium metallurgies if required for the service environment.

The Model GORN Landing Nipple is a Bottom No-Go Landing Nipple normally used as the lowest landing nipple in a completion. Caution must be taken if placing a GORN Landing Nipple at any point other than the last profile in the tubing string to ensure clearance for the passage of wireline tools to Landing Nipple profiles below the GORN Landing Nipple. The GORN nipple is compatible with flow control equipment designed to be attached to the RN® Locking Mandrels

## FEATURES & BENEFITS

- Maximum reliability and simplicity of locating
- Accepts RN® Lock Mandrels with related accessories
- Positive Location
- Large bore, minimal restriction
- Multiple nipples can be stacked in a single string
- Metallurgy compatible with service environment
- Available in a variety of material grades including
  - 4140 Carbon Steel (L-80, P-110)
  - 9Cr - 1Mo - 80 ksi yield
  - 13Cr - 80 ksi yield
  - S13Cr - 110 ksi yield
  - Nickel Alloys
- Available with all API and most premium thread connections
- Check with your Giant Oil Tools representative for connection compatibility with profile size



## SPECIFICATIONS

Model "GORN" Landing Nipple													
Tubing								RN <sup>®</sup> Profile				Lock Mandrel ID	
Size		Weight		ID		Drift		Packing Bore		No-Go ID			
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
1.900	48.26	3.64	5.42	1.500	38.10	1.406	35.71	1.375	34.93	1.250	31.75	0.62	15.75
2.375	60.33	5.30	7.89	1.939	49.25	1.845	46.86	1.781	45.24	1.640	41.66	0.88	22.35
		5.95	8.85	1.867	47.42	1.773	45.03	1.710	43.43	1.560	39.62	0.75	19.05
		6.20	9.23	1.853	47.07	1.759	44.68						
2.875	73.02	7.70	11.46	1.703	43.26	1.609	40.87	1.500	38.10	1.345	34.16	0.62	15.75
		7.90	11.76	2.323	59.00	2.229	56.62	2.188	55.58	2.010	51.05	1.12	28.45
		8.70	12.95	2.259	57.38	2.165	54.99	2.125	53.98	1.937	49.20	0.88	22.35
		8.90	13.24	2.243	56.97	2.149	54.58						
		9.50	14.14	2.195	55.75	2.101	53.37	2.000	50.8	1.881	47.78	0.88	22.35
		10.40	15.48	2.151	54.64	2.057	52.25						
		11.00	16.37	2.065	52.45	1.971	50.06						
3.500	88.90	11.65	17.34	1.995	50.67	1.901	48.29	1.875	47.03	1.716	43.59	0.88	22.35
		12.95	19.27	2.750	69.85	2.625	66.68	2.562	65.07	2.329	59.16	1.38	35.05
		15.80	23.51	2.548	64.72	2.423	61.54	2.313	58.75	2.131	54.13	1.12	28.45
		16.70	24.85	2.480	62.99	2.355	59.82						
4.000	101.60	17.05	25.37	2.440	61.98	2.315	58.80	2.188	55.58	2.010	51.05	1.12	28.45
		11.60	17.26	3.428	87.08	3.303	83.90	3.250	82.55	3.088	78.44	1.94	49.28
4.500	114.30	13.40	19.94	3.340	84.84	3.215	81.66	3.125	79.38	2.907	73.84	1.94	49.28
		12.80	18.97	3.958	100.53	3.833	97.36	3.813	96.85	3.725	94.62	2.12	53.85
		13.50	20.09	3.920	99.57	3.795	96.39	3.688	93.68	3.456	87.78	2.38	60.45
		15.50	23.07	3.826	97.18	3.701	94.01						
		16.90	25.50	3.754	95.35	3.629	92.18	3.437	87.30	3.260	82.80	1.94	49.28
19.20	28.57	3.640	92.46	3.515	89.28								
5.000	127.00	15.00	22.32	4.408	111.96	4.283	108.79	4.125	104.78	3.912	99.39	2.75	69.85
		18.00	26.79	4.276	108.61	4.151	105.44	4.000	101.60	3.748	95.20	2.38	60.45
5.500	139.70	17.00	25.30	4.892	124.26	4.767	121.08	4.562	115.87	4.445	113.16	2.85	72.39
		20.00	29.76	4.778	121.36	4.653	118.19						
		23.00	34.23	4.670	118.62	4.545	115.44	4.313	109.55	3.987	101.27	2.62	66.55
6.000	152.40	15.00	22.32	5.524	140.31	5.399	137.13	5.250	133.35	5.018	127.51	3.50	88.90
		18.00	26.79	5.424	137.77	5.299	134.59						

Nipple O.D. is normally coupling O.D.

Model "GORN" Landing Nipple is Comparable to Halliburton's RN<sup>®</sup> Landing Nipple

RN<sup>®</sup> is a registered trademark of Halliburton Energy Services Inc.

