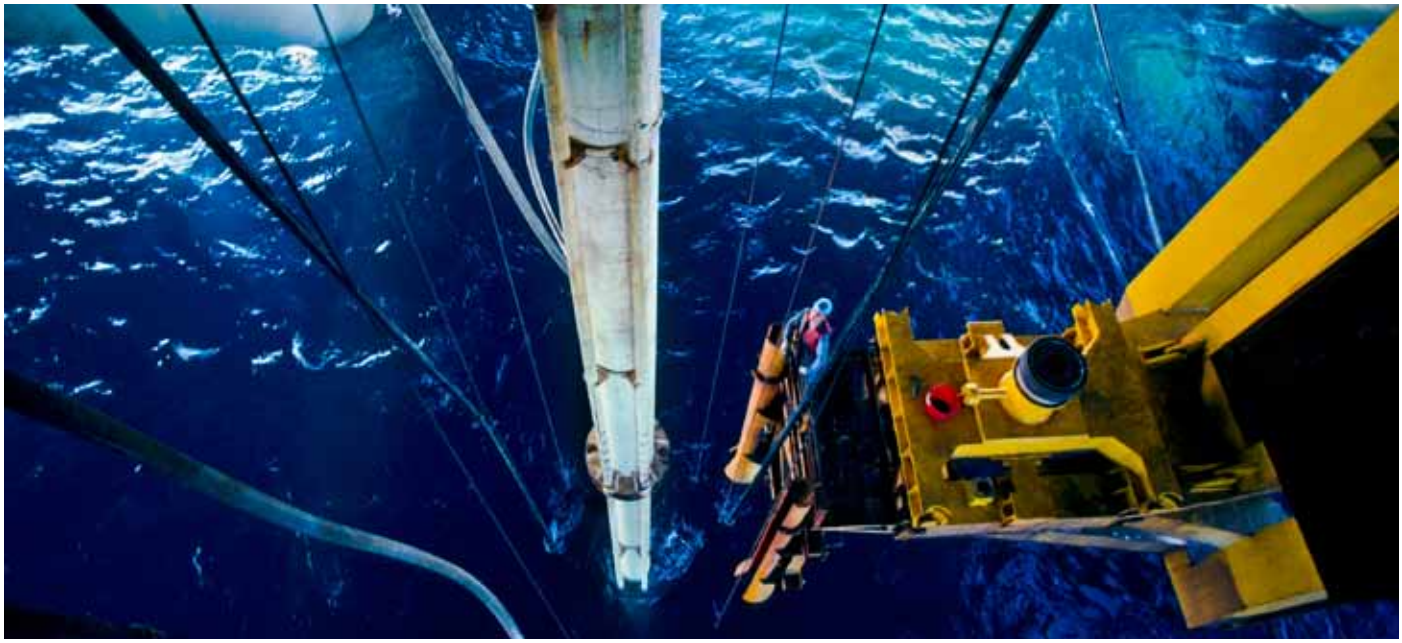
High Collapse Casing Pipes for Deep Oil and Gas Wells



ISMT High Collapse Casings are seamless tubes designed to withstand high external pressures in deep oil and gas wells. These casings are specially manufactured such that they have improved collapse properties, well in excess of API requirements.

The external pressure on the casings is directly proportional to the depth of the well. Hence, casings in deep wells are required to sustain high internal pressures, tension loads, and collapse pressures.

The ISMT Advantage

With a unique combination of Assel mills and a PQF mill, ISMT is one of the largest, and most experienced specialized manufacturers of precision seamless tubes in the world. Moreover, we are an integrated mill in that we melt all our steel in-house. As a result, we have complete control over our production process right from the production of raw material till the processing and inspection of the finished casing.

Ensuring High Collapse Properties

The collapse properties of the casings are directly related to the dimensional parameters of the tube (in turn a function of the tube rolling process), and the material properties of the tube (a function of the quality of the steel and the heat-treat process of the tube).

In order to guarantee the collapse properties of the casings, and to ensure consistency of these properties across batches, we maintain strict control over the entire production process, right from the melting of steel, the rolling of the tubes, to the quench & temper of the tubes. All the steel that is used for making high collapse casings is ladle refined and vacuum degassed to ensure a clean, inclusion free steel. Tube rolling parameters are tightly controlled so that ovality, eccentricity, and wall thickness variation, factors that are detrimental to collapse, are minimized. Each tube is then carefully checked to ensure conformance with specifications.

Our marketing executives and application engineers will be happy to meet with you to understand your deep well requirements so that we can serve you better.

For more information on ISMT High Collapse Casings and other OCTG products, please contact:

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ISMT LIMITED

Solutions You Can Trust

Sizes, Mechanical Properties and Other Specifications

DIMENSIONS (STANDARD DRIFT)					ISMT 55 HC		ISMT 80 HC		ISMT 110 HC		Pipe Inspection	Colour Coding for coupling
Outside Diameter	Weight		Wall Thickness		Y.S. RANGE	U.T.S Min	Y.S. RANGE	U.T.S Min	Y.S. RANGE	U.T.S Min		
					Ksi (Mpa)	Ksi (Mpa)	Ksi (Mpa)	Ksi (Mpa)	Ksi (Mpa)	Ksi (Mpa)		
					55 (379)-80 (552)	95 (655)	80 (552) -110 (758)	110 (690)	110 (758) -140 (965)	125 (862)		
					Collapse Pressure							
INCH/ MM	PPF	KG/ MTR	INCH	MM	PSI	Mpa	PSI	Mpa	PSI	Mpa		
4-1/2 114.3	10.5	15.62	0.224	5.69	5414	37.33	6666	45.97	7501	51.73	A full length non destructive inspection is performed in accordance with API 5CT for external and internal defect (longitudinal and transverse).	ISMT 55 HC 
	11.6	17.26	0.250	6.35	6696	46.18	8573	59.12	10233	70.57		
	13.5	20.09	0.290	7.37	5409	37.31	11529	79.51	14432	99.53		
	15.1	22.47	0.337	8.56	10290	70.96	14967	103.22	19359	133.51		
5 127	13	19.34	0.253	6.43	5589	38.54	6942	47.87	8768	60.47		
	15	22.32	0.296	7.52	7506	51.77	9788	67.50	11948	82.40		
	18	26.78	0.362	9.19	9974	68.78	14162	97.67	18185	125.41		
	21.4	31.84	0.437	11.10	11846	81.70	17226	118.80	23693	163.40		
	23.2	34.52	0.478	12.14	12840	88.55	18671	128.76	25677	177.08		
	24.1	35.86	0.500	12.70	13365	92.17	19440	134.07	26730	184.34		
5-1/2 139.7	14	20.83	0.244	6.20	4212	29.05	4886	33.69	6029	41.58		
	15.5	23.06	0.275	6.99	5454	37.61	6741	46.49	8486	58.52		
	17	25.30	0.304	7.72	6629	45.71	8492	58.56	10098	69.64		
	20	29.76	0.361	9.17	8928	61.57	11921	82.21	14985	103.34		
	23	34.22	0.415	10.54	11116	76.66	15066	103.90	19629	135.37		
6-5/8 168.3	20	29.76	0.288	7.32	4010	27.65	4571	31.52	5755	39.69		ISMT 80 HC 
	24	35.71	0.352	8.94	6156	42.46	7776	53.63	9086	62.66		
	28	41.66	0.417	10.59	8331	57.45	11030	76.07	13716	94.59		
	32	47.62	0.475	12.07	9882	68.15	13932	96.08	17847	123.08		
7 177.8	23	34.22	0.317	8.05	4415	30.44	5171	35.66	6310	43.52		
	26	38.69	0.362	9.19	5846	40.31	7304	50.37	8411	58.00		
	29	43.15	0.408	10.36	7295	50.31	9491	65.45	11516	79.42		
	32	47.62	0.453	11.51	8729	60.20	11610	80.07	14553	100.37		
	35	52.08	0.498	12.65	9810	67.66	13743	94.78	17591	121.31		
	38	56.54	0.540	13.72	10575	72.93	15377	106.04	20426	140.87		
7-5/8 193.68	29.7	44.19	0.375	9.53	5279	36.40	6467	44.60	7223	49.81		ISMT 110 HC 
	33.7	50.15	0.430	10.92	6881	47.45	8856	61.08	10625	73.27		
	39	58.03	0.500	12.70	8918	61.50	11907	82.12	14958	103.16		
	42.8	63.69	0.562	14.27	10137	69.91	14594	100.64	18806	129.69		
	45.3	67.41	0.595	15.11	10680	73.65	15539	107.16	20844	143.75		
	47.1	70.08	0.625	15.88	11174	77.06	16254	112.10	22343	154.09		
8-5/8 219.1	24	35.71	0.264	6.71	1850	12.76	1933	13.33	1933	13.33		
	32	47.62	0.352	8.94	3416	23.56	4116	28.39	5692	39.25		
	36	53.57	0.400	10.16	4658	32.12	5535	38.17	7383	50.92		
	40	59.52	0.450	11.43	5940	40.97	7452	51.39	8627	59.49		
	44	65.47	0.500	12.70	7229	49.86	9383	64.71	11367	78.39		
	49	72.91	0.557	14.15	8693	59.95	11570	79.79	14486	99.90		
9-5/8 244.48	36	53.57	0.352	8.94	2727	18.81	3205	22.10	3669	25.31		
	40	59.52	0.395	10.03	3470	23.93	4172	28.77	5021	34.63		
	43.5	64.73	0.435	11.05	4390	30.28	5144	35.47	5967	41.15		
	47	69.94	0.472	11.99	5246	36.18	6413	44.22	7155	49.34		
	53.5	79.61	0.545	13.84	6931	47.80	8937	61.63	10733	74.02		