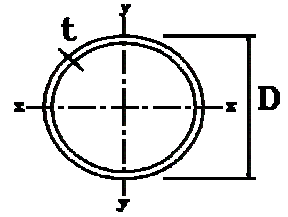


**Hot Finished - Celsius^(R) LCHS - Grade EN10210 - S275
 AXIAL LOAD & BENDING - Resistance and Capacity Table
 Pc, Ag.py & Ae.py (kN) - Mc, Mb, Mbs & Z.py (kN.m)**



Read the guidance notes given in the main document.

Dia	Thk.	Ag.py or Ae.py	Z.py	Mc= Mb= Mbs	Pc for Effective Length 'Le'														
					6m	8m	10m	12m	14m	16m	18m	20m	22m	24m	26m	28m	30m	32m	34m
914	25.4	18790	4062	4874	18727	18469	18192	17885	17537	17132	16651	16074	15385	14578	13667	12690	11697	10731	9823
	19.1	14230	3118	3742	14186	13992	13784	13555	13294	12992	12634	12205	11694	11093	10414	9683	8935	8205	7517
	15.9	12337	2723	3267	12292	12124	11943	11743	11514	11247	10928	10545	10085	9545	8936	8285	7626	6987	6389
	12.7	9889	2198	2573	9854	9720	9576	9416	9234	9022	8769	8464	8099	7670	7186	6667	6140	5629	5149
	9.5	6769	1661	1807	6759	6672	6580	6479	6365	6235	6082	5900	5683	5426	5132	4806	4465	4123	3793
762	25.4	15576	2776	3331	15393	15122	14818	14462	14033	13502	12842	12040	11116	10129	9148	8226	7391	6649	5997
	19.1	11813	2140	2568	11679	11475	11248	10983	10663	10269	9780	9185	8497	7756	7016	6316	5679	5112	4613
	15.9	10249	1873	2247	10127	9951	9752	9519	9236	8885	8447	7912	7296	6639	5989	5379	4829	4342	3914
	12.7	8221	1515	1818	8126	7985	7826	7641	7417	7138	6790	6366	5876	5352	4832	4343	3900	3507	3163
	9.5	6168	1148	1306	6098	5993	5875	5737	5570	5364	5107	4793	4429	4039	3649	3282	2949	2653	2393
610	19.1	9396	1346	1615	9166	8941	8668	8320	7864	7277	6576	5831	5117	4477	3925	3456	3059	2722	2436
	15.9	8161	1181	1418	7958	7761	7522	7213	6806	6279	5654	4995	4371	3817	3342	2939	2600	2312	2068
	12.7	6554	959	1150	6393	6236	6046	5801	5479	5062	4565	4039	3538	3091	2708	2382	2107	1875	1677
	9.5	4929	729	874	4809	4693	4551	4369	4130	3821	3451	3058	2681	2345	2054	1808	1600	1423	1273
	6.4	3058	498	543	2993	2926	2846	2746	2617	2449	2243	2014	1783	1571	1383	1221	1083	965	864

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