

SUPERLIT GRP JACKING PIPE SYSTEM



CONTINUOUS FILAMENT WOUND (CFW) GLASS REINFORCED POLYESTER (GRP) ISO25780



GRP JACKING PIPE SN 20,000 - 80,000

Refer to page 2 for SN 100,000 - 1,000,000

OD (mm)	PIPE STIFFNESS SN (N/M ²)																	
	20,000			32,000			40,000			50,000			64,000			80,000		
	ID	Mass	Fmax	ID	Mass	Fmax	ID	Mass	Fmax	ID	Mass	Fmax	ID	Mass	Fmax	ID	Mass	Fmax
mm	kg/m	kN	mm	kg/m	kN	mm	kg/m	kN	mm	kg/m	kN	mm	kg/m	kN	mm	kg/m	kN	mm
345	326.4	20	18	323.4	23	50	321.8	24	69	319.4	27	96	317.2	29	120	315.2	31	141
376	355.8	23	39	352.6	27	78	350.6	29	102	348.0	32	133	345.8	34	160	343.6	37	186
427	404.0	30	84	400.4	35	133	398.0	38	166	395.4	41	202	392.8	44	237	390.2	47	272
530	501.6	46	198	497.0	53	277	494.0	58	328	490.8	63	382	487.4	68	439	484.4	73	489
550	520.4	50	228	515.6	57	311	513.0	62	359	509.2	68	426	505.8	73	485	502.6	78	540
618	584.8	63	330	579.4	72	435	576.0	79	505	572.2	86	580	568.4	92	654	565.0	98	720
650	615.0	70	385	609.0	81	511	606.0	87	574	601.8	95	661	597.8	102	743	594.0	109	821
718	679.6	84	459	673.0	98	612	669.6	105	690	664.8	115	800	660.4	125	900	656.0	134	1000
820	776.0	110	676	769.0	127	862	764.6	138	978	759.2	151	1119	754.0	163	1254	749.4	174	1373
860	814.0	121	767	806.0	141	989	802.0	151	1099	796.4	165	1253	790.8	179	1406	785.8	192	1541
924	874.0	141	853	866.0	163	1092	862.0	174	1211	855.6	191	1399	850.0	206	1563	844.0	222	1738
960	908.0	153	950	900.0	175	1198	895.0	189	1352	889.0	206	1536	883.0	223	1718	877.0	239	1900
1026	971.0	172	1118	962.0	200	1417	957.0	215	1581	950.0	236	1810	943.6	255	2018	938.0	271	2199
1099	1040.0	198	1344	1030.0	231	1699	1025.0	247	1875	1017.6	270	2135	1011.0	292	2364	1004.0	314	2607
1229	1163.0	248	1789	1153.0	284	2187	1146.0	309	2463	1138.0	338	2776	1130.2	366	3080	1143.0	391	3358
1290	1220.0	276	2049	1209.0	318	2508	1202.4	343	2781	1194.4	373	3110	1186.6	402	3428	1178.4	432	3761
1348	1275.0	301	2276	1264.0	344	2755	1257.0	372	3058	1248.0	408	3445	1240.0	439	3786	1231.6	471	4143
1434	1357.0	337	2613	1344.0	393	3216	1337.0	422	3538	1327.6	461	3967	1318.8	498	4367	1310.0	534	4764
1499	1418.6	368	2901	1405.0	429	3560	1398.0	459	3897	1388.0	503	4375	1379.0	542	4802	1369.0	585	5274
1638	1550.0	440	3474	1536.0	508	4216	1527.0	552	4689	1516.0	604	5263	1506.4	650	5761	1496.0	699	6297
1720	1628.0	484	3878	1612.0	565	4768	1603.2	609	5253	1592.0	666	5867	1582.0	715	6412	1572.0	765	6953
1842	1743.0	557	4582	1726.0	650	5594	1717.0	698	6126	1705.0	763	6831	1694.0	822	7472	1683.0	880	8109
2046	1936.0	688	5840	1918.0	797	7031	1907.0	863	7753	1894.0	940	8600	1882.0	1011	9378			
2160	2044.0	766	6305	2026.0	881	7562	2014.0	957	8394	2000.0	1045	9358						
2250	2129.0	832	6943	2110.0	958	8325	2097.0	1044	9263	2083.0	1136	10267						
2453	2321.0	989	8469	2300.0	1142	10134	2286.0	1243	11235									
2553	2416.0	1069	9241	2393.0	1242	11138												
2658	2515.0	1161	10150	2493.0	1334	12040												
2758	2610.0	1247	10995															
2858	2704.0	1345	11964															
2962	2803.0	1439	12895															
3065	2901.0	1536	13856															

GRP JACKING PIPE SN 100,000 - 1,000,000

Refer to page 1 for SN 20,000 - 80,000



OD (mm)	PIPE STIFFNESS SN (N/M ²)																						
	100,000			128,000			160,000			200,000			320,000			640,000			1,000,000				
	ID	Mass	Fmax	ID	Mass	Fmax	ID	Mass	Fmax	ID	Mass	Fmax	ID	Mass	Fmax	ID	Mass	Fmax	ID	Mass	Fmax		
mm	kg/m	kN	mm	kg/m	kN	mm	kg/m	kN	mm	kg/m	kN	mm	kg/m	kN	mm	kg/m	kN	mm	kg/m	kN	mm	kg/m	kN
345	312.6	33	169	310.0	36	197	306.8	39	231	304.0	42	260	296.8	49	334	285.4	59	448	276.6	67	533		
376	340.8	40	219	338.0	43	251	334.4	46	293	331.0	50	331	323.4	58	417	311.0	70	552	301.6	79	651		
427	387.0	51	315	384.0	55	354	379.8	60	409	376.0	64	459	367.4	74	568	353.2	90	744	342.4	102	873		
530	480.4	79	556	476.4	85	621	471.2	92	706	467.0	99	773	456.0	115	948	438.4	139	1218	425.0	157	1416		
550	498.4	85	612	494.2	91	684	489.0	100	772	484.8	106	842	473.0	124	1036	455.0	150	1322	441.0	170	1537		
618	560.0	107	817	555.2	116	909	549.6	125	1015	544.6	134	1109	531.6	156	1349	511.0	190	1717	496.0	213	1976		
650	589.0	119	923	584.0	128	1023	578.0	139	1143	572.8	148	1245	559.2	172	1510	537.6	210	1916	521.4	237	2210		
718	651.0	144	1112	645.2	156	1241	638.0	170	1399	632.8	181	1513	617.6	211	1839	594.0	255	2329	576.0	288	2691		
820	743.0	189	1537	736.8	203	1694	729.2	221	1885	722.4	236	2054	705.4	274	2471	678.0	334	3121	658.0	376	3580		
860	779.6	207	1707	773.0	223	1883	764.4	244	2110	758.0	259	2277	740.0	301	2740	711.0	368	3462					
924	837.2	240	1934	830.2	258	2134	821.6	281	2378	814.0	300	2591	795.0	348	3116	764.0	424	3945					
960	869.8	259	2115	862.8	278	2324	853.6	303	2594	845.6	324	2828	826.0	376	3390	794.0	457	4279					
1026	930.0	295	2456	922.0	318	2710	912.0	347	3024	904.0	370	3274	882.4	430	3936								
1099	995.8	339	2888	988.2	363	3147	977.0	398	3524	968.6	423	3805	945.4	493	4567								
1229	1114.0	423	3704	1104.6	456	4061	1093.0	496	4499	1082.6	531	4887											
1290	1169.0	467	4140	1160.0	500	4499	1147.0	547	5014	1136.0	587	5445											
1348	1221.6	510	4563	1211.0	550	5006	1198.0	600	5543	1187.0	641	5993											
1434	1299.2	578	5247	1289.0	620	5700	1274.8	677	6325	1270.0	720	6795											
1499	1359.0	628	5742	1348.0	675	6253	1333.0	738	6943														
1638	1485.0	750	6859	1492.0	811	7519																	
1720	1559.0	829	7651																				

Ultimate Compressive Strength = 85N/mm²

Jacking Force Safety Factor = 3.5

DETAIL A - COUPLING

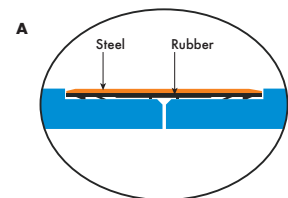
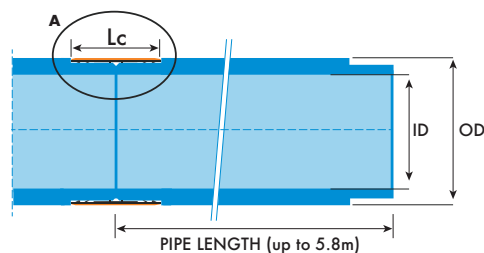
Stainless Steel

Rubber: EPDM 60 ± 5 Shore

Lc = 120mm (DN 345 - 860)

140mm (DN 924 - 1434)

170mm (DN 1499 - 3065)



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