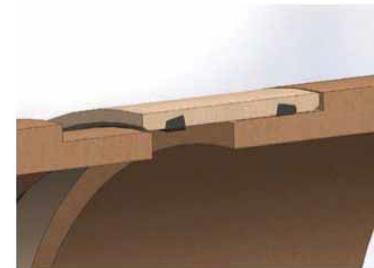


FLOWTITE® GRP JACKING PIPES (ID SERIES)

TYPE FJ JOINT - PRESSURE APPLICATIONS

SN		32,000			40,000			50,000			64,000			80,000			100,000		
Pipe DN	D _i (mm)	d _{od} (mm)	F _{perm} (kN)	Mass(kg/m)	d _{od} (mm)	F _{perm} (kN)	Mass(kg/m)	d _{od} (mm)	F _{perm} (kN)	Mass(kg/m)	d _{od} (mm)	F _{perm} (kN)	Mass(kg/m)	d _{od} (mm)	F _{perm} (kN)	Mass(kg/m)	d _{od} (mm)	F _{perm} (kN)	Mass(kg/m)
DN600	641	-	-	-	-	-	-	-	-	-	-	-	-	701	380	129	705	508	140
DN675	718	-	-	-	-	-	-	-	-	-	780	489	149	785	637	162	790	799	175
DN750	794	-	-	-	-	-	-	857	571	167	862	755	182	868	937	198	874	1,137	214
DN900	887	947	322	177	952	496	192	957	685	208	963	915	227	969	1,143	247	976	1,391	268
DN1000	985	1052	624	219	1057	840	237	1063	1,075	257	1070	1,360	280	1076	1,642	304	1084	1,950	330
DN1100	1084	1157	982	265	1163	1,247	287	1169	1,533	311	1177	1,879	339	1185	2,131	368	1193	2,506	399
DN1200	1181	1261	1,293	314	1267	1,606	340	1274	1,946	369	1282	2,358	403	1291	2,766	437	1300	3,212	474
DN1300	1280	1366	1,754	369	1373	2,123	400	1381	2,524	433	1390	3,009	473	1399	3,491	513	1408	4,016	557
DN1400	1378	1471	2,265	428	1479	2,693	463	1487	3,159	502	1496	3,724	548	1506	4,283	594	-	-	-
DN1500	1477	1577	2,837	491	1585	3,330	532	1593	3,742	576	1604	4,391	630	-	-	-	-	-	-
DN1600	1574	1680	3,319	558	1689	3,879	604	1698	4,489	654	-	-	-	-	-	-	-	-	-
DN1700	1674	1787	3,998	631	1796	4,633	683	1806	5,324	740	-	-	-	-	-	-	-	-	-
DN1800	1771	1891	4,711	706	1900	5,423	764	-	-	-	-	-	-	-	-	-	-	-	-
DN1900	1870	1996	5,493	787	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DN2000	1969	2102	6,165	873	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

This table shows jacking pipe dimensions and maximum allowable jacking force F_{perm} (kN) for various stiffness classes with closed connection contact. The table is based on a compressive strength of 85 MPa and a factor of safety of 3.5 in accordance with ISO 25780 "Plastics piping systems for pressure and non-pressure water supply, irrigation, drainage or sewerage – Glass-reinforced thermosetting plastics (GRP) systems based on unsaturated polyester (UP) resin – Pipes with flexible joints intended to be installed using jacking techniques".



The **Type FJ** joint is comprised of a pressure coupling and is applicable for pressure applications.

Please contact Iplex Pipelines for use with this joint.

ABBREVIATIONS

- DN = Nominal diameter
- d_{od} = outside diameter (mm)
- d_i = internal diameter (mm)
- F_{perm} = permissible jacking force (kN)
- SN = nominal stiffness (N/m/m)

The information contained in this document should serve as a guide only and is subject to change without notice. For more information please contact Iplex Pipelines Australia Pty Ltd.



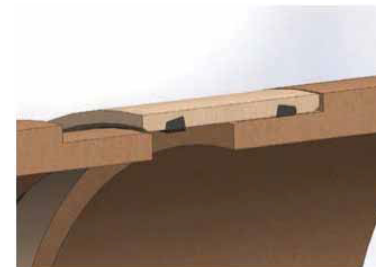
FLOWTITE® GRP JACKING PIPES (ID SERIES)



TYPE FJ JOINT - PRESSURE APPLICATIONS

SN		128,000			160,000			200,000			320,000			640,000			1,000,000		
Pipe DN	D _i (mm)	d _{od} (mm)	F _{perm} (kN)	Mass (kg/m)	d _{od} (mm)	F _{perm} (kN)	Mass (kg/m)	d _{od} (mm)	F _{perm} (kN)	Mass (kg/m)	d _{od} (mm)	F _{perm} (kN)	Mass (kg/m)	d _{od} (mm)	F _{perm} (kN)	Mass (kg/m)	d _{od} (mm)	F _{perm} (kN)	Mass (kg/m)
DN300	330	-	-	-	-	-	-	-	-	-	-	-	-	394	264	75	406	429	90
DN375	409	-	-	-	-	-	-	-	-	-	471	286	88	489	596	116	503	856	138
DN450	487	-	-	-	-	-	-	549	348	105	561	583	125	582	1,030	164	599	1,404	196
DN500	538	-	-	-	602	413	117	607	531	128	620	820	152	643	1,370	200	661	1,830	239
DN525	564	626	387	119	631	506	129	636	636	140	649	954	167	674	1,561	219	693	2,068	263
DN600	641	711	664	153	717	819	166	723	989	181	738	1,404	216	766	2,195	283	-	-	-
DN675	718	797	997	192	803	1,192	209	810	1,407	227	827	1,932	271	-	-	-	-	-	-
DN750	794	881	1,177	235	888	1,416	255	896	1,679	277	914	2,319	331	-	-	-	-	-	-
DN900	887	984	1,693	293	992	1,994	318	1001	2,323	346	1021	3,127	413	-	-	-	-	-	-
DN1000	985	1093	2,325	361	1102	2,697	392	1111	3,106	426	-	-	-	-	-	-	-	-	-
DN1100	1084	1203	2,961	437	1212	3,413	475	-	-	-	-	-	-	-	-	-	-	-	-
DN1200	1181	1310	3,755	519	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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