

FLOWTITE® GRP JACKING PIPES (ID SERIES)

TYPE GR & TYPE SR JOINT - NON-PRESSURE

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	928	129	705	1,061	140
DN675	718	-	-	-	-	-	-	-	-	-	780	939	149	785	1,090	162	790	1,255	175
DN750	794	-	-	-	-	-	-	857	1,067	167	862	1,255	182	868	1,440	198	874	1,643	214
DN900	887	947	980	177	952	1,157	192	957	1,351	208	963	1,585	227	969	1,817	247	976	2,070	268
DN1000	985	1052	1,358	219	1057	1,578	237	1063	1,817	257	1070	2,107	280	1076	2,394	304	1084	2,708	330
DN1100	1084	1157	1,704	265	1163	1,971	287	1169	2,261	311	1177	2,612	339	1185	2,961	368	1193	3,341	399
DN1200	1181	1261	2,178	314	1267	2,495	340	1274	2,840	369	1282	3,258	403	1291	3,673	437	1300	4,125	474
DN1300	1280	1366	2,501	369	1373	2,873	400	1381	3,278	433	1390	3,769	473	1399	4,256	513	1408	4,787	557
DN1400	1378	1471	3,071	428	1479	3,503	463	1487	3,974	502	1496	4,544	548	1506	4,991	594	-	-	-
DN1500	1477	1577	3,578	491	1585	4,075	532	1593	4,616	576	1604	5,271	630	-	-	-	-	-	-
DN1600	1574	1680	3,845	558	1689	4,408	604	1698	5,021	654	-	-	-	-	-	-	-	-	-
DN1700	1674	1787	4,559	631	1796	5,197	683	1806	5,892	740	-	-	-	-	-	-	-	-	-
DN1800	1771	1891	5,008	706	1900	5,721	764	-	-	-	-	-	-	-	-	-	-	-	-
DN1900	1870	1996	5,807	787	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DN2000	1969	2102	6,413	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".

ABBREVIATIONS

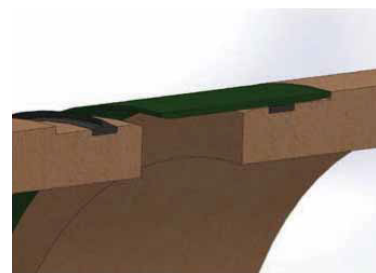
DN = Nominal diameter

d_{od} = outside diameter (mm)

d_i = internal diameter (mm)

F_{perm} = permissible jacking force (kN)

SN = nominal stiffness (N/m/m)



The **Type GR** joint includes a GRP sleeve. The inner surface of the sleeve fits tightly to the EPDM wedge gasket seal embedded into a special groove on the pipe spigot.

The Type GR joint is applicable for non-pressure PN1 applications.



The **Type SR** joint includes a stainless steel sleeve. The inner surface of the sleeve fits tightly to the EPDM wedge gasket seal embedded into a special groove on the pipe spigot.

The Type SR joint is applicable for non-pressure PN1 applications.

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 GR & TYPE SR JOINT - NON-PRESSURE

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)
DN375	409	-	-	-	-	-	-	-	-	-	471	645	88	489	970	116	503	1,241	138
DN450	487	-	-	-	-	-	-	549	772	105	561	1,016	125	582	1,481	164	599	1,868	196
DN500	538	-	-	-	602	880	117	607	1,003	128	620	1,302	152	643	1,871	200	661	2,346	239
DN525	564	626	874	119	631	997	129	636	1,132	140	649	1,461	167	674	2,088	219	693	2,610	263
DN600	641	711	1,221	153	717	1,381	166	723	1,404	181	738	1,828	216	766	2,636	283	-	-	-
DN675	718	797	1,456	192	803	1,656	209	810	1,875	227	827	2,410	271	-	-	-	-	-	-
DN750	794	881	1,890	235	888	2,135	255	896	2,404	277	914	3,060	331	-	-	-	-	-	-
DN900	887	984	2,378	293	992	2,685	318	1001	3,020	346	1021	3,839	413	-	-	-	-	-	-
DN1000	985	1093	3,089	361	1102	3,382	392	1111	3,796	426	-	-	-	-	-	-	-	-	-
DN1100	1084	1203	3,803	437	1212	4,262	475	-	-	-	-	-	-	-	-	-	-	-	-
DN1200	1181	1310	4,675	519	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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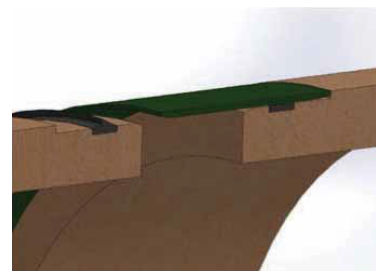
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The Type GR joint is applicable for non-pressure PN1 applications.



The **Type SR** joint includes a stainless steel sleeve. The inner surface of the sleeve fits tightly to the EPDM wedge gasket seal embedded into a special groove on the pipe spigot.

The Type SR joint is applicable for non-pressure PN1 applications.