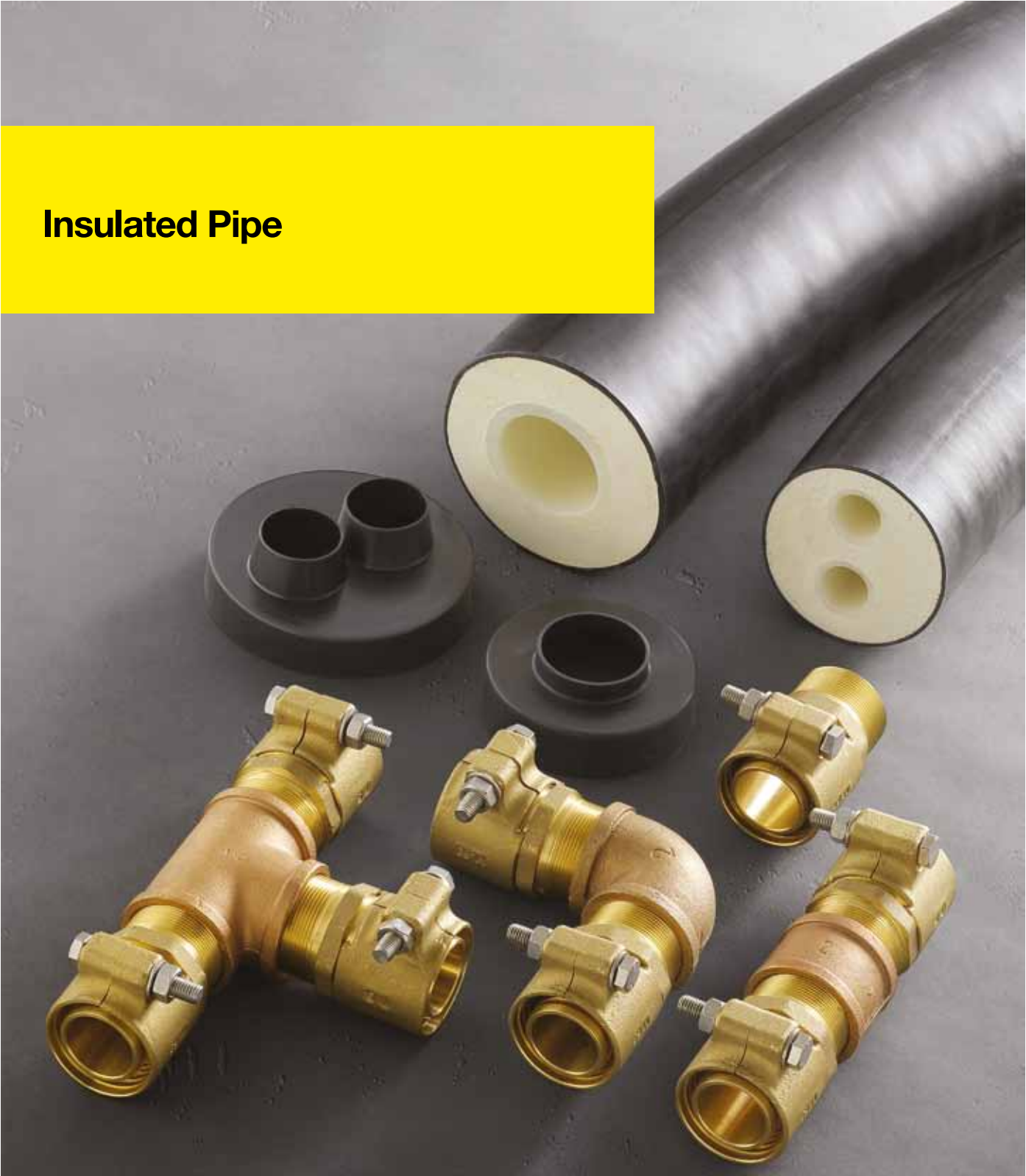


Insulated Pipe



4.2

Insulated Pipe

Viega's Insulated PEX Barrier Piping system is for use in snowmelt applications where distribution is necessary. The flexible pipe is produced with LDPE jacket, polyurethane foam insulation, and PEX carrier pipe. The bonded insulation provides long-term R-value retention, and the plastic piping characteristics eliminate thermal expansion considerations. It's easy to plan and quote projects with Viega's exceptional freight and delivery times. Discover how Viega's snow-melting repertoire will benefit your next project.

FEATURES AND BENEFITS

- Superior insulation results in a reduction in heat loss
- High compressive strength
- No risk of water penetration
- Flexibility reduces the number of fittings required
- No special considerations for thermal expansion
- Freon-free, high-performance, closed-cell polyurethane insulation
- Smooth LDPE jacket resists impacts and is UV treated
- "Smart" membrane maintains insulation value over time, keeping operational performance high
- Carrier pipe features EVOH oxygen barrier
- Fitting insulation kits provide insulation value equivalent to that of the pipe itself
- Available in custom-length coils
- No special tools required to assemble fittings
- Additional shipping costs apply, with three week lead time.
- This product is a non-stock; non-returnable item.

Index

Pipe	212
Elbows	212
Tees	214
Adapters	215
Caps	215
Couplings	216

Pipe



Insulated pipe Single

- For use with compression fittings and insulation kits only
- Only use with protective cap single Model 2802.2US, compression adapter Model 2811.1US, straight coupling Model 2815.1US, compression elbow Model 2816.1US, compression tee Model 2818.1US
- PEX
- Coil
- Oxygen diffusion barrier, bonded insulation for high R-value, high compression rating

Note

Cut charge of \$125 per piece of pipe will apply (Part No. 11159)
Low density polyethylene jacket
Polyurethane insulation

Model 2802.1US

d	J.D.	max. L	Wt [lb]	Quantity	Part No	DG
¾ (25mm)	3½ (90mm)	984	0.746	1	11150	4
1 (32mm)	3½ (90mm)	984	0.746	1	11152	4
1¼ (40mm)	3½ (90mm)	984	0.901	1	11153	4
1½ (50mm)	4⅓ (110mm)	656	1.303	1	11154	4
2 (63mm)	5 (125mm)	656	1.600	1	11155	4
2½ (75mm)	5½ (140mm)	328	2.202	1	11156	4
3 (90mm)	6⅓ (160mm)	328	2.801	1	11157	4
4 (110mm)	6⅓ (160mm)	328	3.702	1	11158	4

J.D. = jacket diameter



Insulated pipe Dual

- For use with compression fittings and insulation kits only
- Only use with protective cap double Model 2802.3US, compression adapter Model 2811.1US, straight coupling Model 2815.1US, compression elbow Model 2816.1US, compression tee Model 2818.1US
- PEX
- Coil
- Bonded insulation for high R-value, high compression rating, oxygen diffusion barrier

Note

Supply and return run in single jacket
Cut charge of \$125 per piece of pipe will apply (Part No. 11159)
Low density polyethylene jacket
Polyurethane insulation

Model 2802.4US

d	J.D.	max. L	Wt [lb]	Quantity	Part No	DG
¾ (25mm)	4⅓ (110mm)	1134	1.399	1	11151	4
1 (32mm)	4⅓ (110mm)	1134	1.501	1	11170	4
1¼ (40mm)	5 (125mm)	656	1.802	1	11171	4
1½ (50mm)	6⅓ (160mm)	328	2.801	1	11172¹	4
2 (63mm)	7 (180mm)	328	3.702	1	11173¹	4

J.D. = jacket diameter

¹) corrugated jacket

Elbows



Compression elbow

- For use with insulated pipe only
- Equipped with compression adapter Model 2811.1US
- Use with insulated pipe single Model 2802.1US, insulated pipe dual Model 2802.4US
- Brass

Model 2816.1US

Comp1	Comp2	Wt [lb]	Quantity	Part No	DG
¾ (25mm)	¾ (25mm)	1.840	1	11535	4
1 (32mm)	1 (32mm)	2.120	1	11573	4
1¼ (40mm)	1¼ (40mm)	3.690	1	11616	4
1½ (50mm)	1½ (50mm)	4.950	1	11617	4
2 (63mm)	2 (63mm)	8.419	1	11618	4
2½ (75mm)	2½ (75mm)	10.888	1	11619	4
3 (90mm)	3 (90mm)	18.067	1	11620	4
4 (110mm)	4 (110mm)	22.824	1	11621	4



Insulation kit

- For elbows
- Only use with compression elbow
Model 2816.1US
- Polyurethane

Components

2 piece insulation shell, 2 screw clamps,
silicone caulking

Model 2816.2US

J.D.1	J.D.2	Wt [lb]	Quantity	Part No	DG
3½ (90mm)	3½ (90mm)	2.999	1	11546	4
4⅓ (110mm)	4⅓ (110mm)	3.499	1	11547	4
5 (125mm)	5 (125mm)	3.499	1	11548	4
5½ (140mm)	5½ (140mm)	3.799	1	11549	4
6⅓ (160mm)	6⅓ (160mm)	4.299	1	11550	4
7 (180mm)	7 (180mm)	4.699	1	11551	4

J.D.1 = jacket diameter

Tees



Compression tee

- For use with insulated pipe only
- Equipped with compression adapter Model 2811.1US
- Use with insulated pipe single Model 2802.1US, insulated pipe dual Model 2802.4US
- Brass
- Compression

Note

Please reference technical documentation for corresponding insulation kit

Model 2818.1US

Comp1	Comp2	Comp3	Wt [lb]	Quantity	Part No	DG
¾ (25mm)	¾ (25mm)	¾ (25mm)	2.494	1	11533	4
1 (32mm)	1 (32mm)	1 (32mm)	2.954	1	11572	4
1¼ (40mm)	1 (32mm)	1 (32mm)	5.185	1	11664	4
1¼ (40mm)	1¼ (40mm)	¾ (25mm)	4.723	1	11637	4
1¼ (40mm)	1¼ (40mm)	1 (32mm)	5.123	1	11638	4
1¼ (40mm)	1¼ (40mm)	1¼ (40mm)	5.693	1	11631	4
1½ (50mm)	1¼ (40mm)	¾ (25mm)	8.414	1	11665	4
1½ (50mm)	1¼ (40mm)	1 (32mm)	8.514	1	11666	4
1½ (50mm)	1¼ (40mm)	1¼ (40mm)	9.084	1	11667	4
1½ (50mm)	1½ (50mm)	¾ (25mm)	6.223	1	11639	4
1½ (50mm)	1½ (50mm)	1 (32mm)	6.623	1	11640	4
1½ (50mm)	1½ (50mm)	1¼ (40mm)	7.193	1	11641	4
1½ (50mm)	1½ (50mm)	1½ (50mm)	7.652	1	11632	4
2 (63mm)	1½ (50mm)	¾ (25mm)	9.334	1	11668	4
2 (63mm)	1½ (50mm)	1 (32mm)	9.434	1	11669	4
2 (63mm)	1½ (50mm)	1¼ (40mm)	10.004	1	11670	4
2 (63mm)	1½ (50mm)	1½ (50mm)	11.463	1	11671	4
2 (63mm)	2 (63mm)	¾ (25mm)	10.292	1	11642	4
2 (63mm)	2 (63mm)	1 (32mm)	10.696	1	11643	4
2 (63mm)	2 (63mm)	1¼ (40mm)	11.266	1	11644	4
2 (63mm)	2 (63mm)	1½ (50mm)	11.721	1	11645	4
2 (63mm)	2 (63mm)	2 (63mm)	12.981	1	11633	4
2½ (75mm)	2 (63mm)	¾ (25mm)	13.643	1	11672	4
2½ (75mm)	2 (63mm)	1 (32mm)	13.743	1	11673	4
2½ (75mm)	2 (63mm)	1¼ (40mm)	14.313	1	11674	4
2½ (75mm)	2 (63mm)	1½ (50mm)	14.772	1	11675	4
2½ (75mm)	2 (63mm)	2 (63mm)	16.032	1	11676	4
2½ (75mm)	2½ (75mm)	¾ (25mm)	13.242	1	11646	4
2½ (75mm)	2½ (75mm)	1 (32mm)	13.637	1	11647	4
2½ (75mm)	2½ (75mm)	1¼ (40mm)	14.213	1	11648	4
2½ (75mm)	2½ (75mm)	1½ (50mm)	14.672	1	11649	4
2½ (75mm)	2½ (75mm)	2 (63mm)	15.932	1	11650	4
2½ (75mm)	2½ (75mm)	2½ (75mm)	16.830	1	11634	4
3 (90mm)	2½ (75mm)	¾ (25mm)	20.401	1	11677	4
3 (90mm)	2½ (75mm)	1 (32mm)	20.501	1	11678	4
3 (90mm)	2½ (75mm)	1¼ (40mm)	21.071	1	11679	4
3 (90mm)	2½ (75mm)	1½ (50mm)	21.531	1	11680	4
3 (90mm)	2½ (75mm)	2 (63mm)	22.790	1	11681	4
3 (90mm)	2½ (75mm)	2½ (75mm)	23.690	1	11682	4
3 (90mm)	3 (90mm)	¾ (25mm)	21.710	1	11651	4
3 (90mm)	3 (90mm)	1 (32mm)	22.110	1	11652	4
3 (90mm)	3 (90mm)	1¼ (40mm)	22.680	1	11653	4
3 (90mm)	3 (90mm)	1½ (50mm)	23.140	1	11654	4
3 (90mm)	3 (90mm)	2 (63mm)	24.400	1	11655	4
3 (90mm)	3 (90mm)	2½ (75mm)	25.299	1	11656	4
3 (90mm)	3 (90mm)	3 (90mm)	27.907	1	11635	4
4 (110mm)	3 (90mm)	¾ (25mm)	26.839	1	11683	4
4 (110mm)	3 (90mm)	1 (32mm)	26.939	1	11684	4
4 (110mm)	3 (90mm)	1¼ (40mm)	27.509	1	11685	4
4 (110mm)	3 (90mm)	1½ (50mm)	27.969	1	11686	4
4 (110mm)	3 (90mm)	2 (63mm)	29.228	1	11687	4
4 (110mm)	3 (90mm)	2½ (75mm)	30.128	1	11688	4
4 (110mm)	3 (90mm)	3 (90mm)	32.737	1	11689	4
4 (110mm)	4 (110mm)	¾ (25mm)	27.269	1	11657	4
4 (110mm)	4 (110mm)	1 (32mm)	27.669	1	11658	4
4 (110mm)	4 (110mm)	1¼ (40mm)	28.239	1	11659	4
4 (110mm)	4 (110mm)	1½ (50mm)	28.699	1	11660	4
4 (110mm)	4 (110mm)	2 (63mm)	29.958	1	11661	4
4 (110mm)	4 (110mm)	2½ (75mm)	29.095	1	11662	4
4 (110mm)	4 (110mm)	3 (90mm)	33.467	1	11663	4
4 (110mm)	4 (110mm)	4 (110mm)	35.195	1	11636	4



Insulation kit

- For tees
- Only use with compression tee Model 2818.1US
- Polyurethane

Components

2 piece insulation shell, 3 screw clamps, silicone caulking

Model 2818.2US

J.D.1	J.D.2	J.D.3	Wt [lb]	Quantity	Part No	DG
3½ (90mm)	3½ (90mm)	3½ (90mm)	4.505	1	11560	4
4⅓ (110mm)	3½ (90mm)	3½ (90mm)	5.005	1	11589	4
4⅓ (110mm)	4⅓ (110mm)	3½ (90mm)	5.005	1	11576	4
4⅓ (110mm)	4⅓ (110mm)	4⅓ (110mm)	5.005	1	11561	4
5 (125mm)	4⅓ (110mm)	3½ (90mm)	5.005	1	11590	4
5 (125mm)	4⅓ (110mm)	4⅓ (110mm)	5.005	1	11591	4
5 (125mm)	5 (125mm)	3½ (90mm)	5.005	1	11577	4
5 (125mm)	5 (125mm)	4⅓ (110mm)	5.005	1	11578	4
5 (125mm)	5 (125mm)	5 (125mm)	5.005	1	11562	4
5½ (140mm)	5 (125mm)	3½ (90mm)	5.305	1	11592	4
5½ (140mm)	5 (125mm)	4⅓ (110mm)	5.305	1	11593	4
5½ (140mm)	5 (125mm)	5 (125mm)	5.305	1	11594	4
5½ (140mm)	5½ (140mm)	3½ (90mm)	5.305	1	11579	4
5½ (140mm)	5½ (140mm)	4⅓ (110mm)	5.305	1	11580	4
5½ (140mm)	5½ (140mm)	5 (125mm)	5.305	1	11581	4
5½ (140mm)	5½ (140mm)	5½ (140mm)	5.305	1	11563	4
6⅓ (160mm)	5 (125mm)	4⅓ (110mm)	5.805	1	11599	4
6⅓ (160mm)	5 (125mm)	5 (125mm)	5.805	1	11600	4
6⅓ (160mm)	5½ (140mm)	3½ (90mm)	5.805	1	11595	4
6⅓ (160mm)	5½ (140mm)	4⅓ (110mm)	5.805	1	11596	4
6⅓ (160mm)	5½ (140mm)	5 (125mm)	5.805	1	11597	4
6⅓ (160mm)	5½ (140mm)	5½ (140mm)	5.805	1	11598	4
6⅓ (160mm)	6⅓ (160mm)	3½ (90mm)	5.805	1	11582	4
6⅓ (160mm)	6⅓ (160mm)	4⅓ (110mm)	5.805	1	11583	4
6⅓ (160mm)	6⅓ (160mm)	5 (125mm)	5.805	1	11584	4
6⅓ (160mm)	6⅓ (160mm)	5½ (140mm)	5.805	1	11585	4
6⅓ (160mm)	6⅓ (160mm)	6⅓ (160mm)	5.895	1	11564	4
7 (180mm)	6⅓ (160mm)	4⅓ (110mm)	6.305	1	11601	4
7 (180mm)	6⅓ (160mm)	5 (125mm)	6.305	1	11602	4
7 (180mm)	6⅓ (160mm)	6⅓ (160mm)	6.305	1	11603	4
7 (180mm)	7 (180mm)	4⅓ (110mm)	6.305	1	11586	4
7 (180mm)	7 (180mm)	5 (125mm)	6.305	1	11587	4
7 (180mm)	7 (180mm)	6⅓ (160mm)	6.305	1	11588	4
7 (180mm)	7 (180mm)	7 (180mm)	6.305	1	11565	4

J.D.1 = jacket diameter

Adapters



Compression adapter

- For use with insulated pipe only
- Use with insulated pipe single
- Model 2802.1US, insulated pipe dual
- Model 2802.4US

- Brass
- Male pipe thread, compression

Components

Compression bolt

Model 2811.1US

MPT	Comp	Wt [lb]	Quantity	Part No	DG
¾	¾ (25mm)	0.670	1	11530	4
1	1 (32mm)	0.770	1	11570	4
1¼	1¼ (40mm)	1.340	1	11604	4
1½	1½ (50mm)	1.806	1	11605	4
2	2 (63mm)	3.066	1	11606	4
2½	2½ (75mm)	3.965	1	11607	4
3	3 (90mm)	6.575	1	11608	4
4	4 (110mm)	8.304	1	11609	4

Caps



Protective cap

Single

- For use with insulated pipe only
- Only use with insulated pipe single
- Model 2802.1US

- Polyethylene

Model 2802.2US

for d	J.D.	Wt [lb]	Quantity	Part No	DG
¾ (25mm)	3½ (90mm)	0.100	1	11537	4
1 (32mm)	3½ (90mm)	0.100	1	11574	4
1¼ (40mm)	3½ (90mm)	0.100	1	11622	4
1½ (50mm)	4⅓ (110mm)	0.100	1	11623	4
2 (63mm)	5 (125mm)	0.100	1	11624	4
2½ (75mm)	5½ (140mm)	0.100	1	11625	4
3 (90mm)	6⅓ (160mm)	0.100	1	11626	4
4 (110mm)	6⅓ (160mm)	0.100	1	11627	4

J.D. = jacket diameter

4.2



**Protective cap
Double**

- For use with insulated pipe only
- Polyethylene

Model 2802.3US

for d	J.D.	Wt [lb]	Quantity	Part No	DG
¾ (25mm)	4⅓ (110mm)	0.100	1	11538	4
1 (32mm)	4⅓ (110mm)	0.100	1	11575	4
1¼ (40mm)	5 (125mm)	0.100	1	11628	4
1½ (50mm)	6⅓ (160mm)	0.100	1	11629	4

J.D. = jacket diameter

Couplings



Straight coupling

- For use with insulated pipe only
- Equipped with compression adapter
Model 2811.1US
- Use with insulated pipe single
Model 2802.1US, insulated pipe dual
Model 2802.4US

- Brass
- Compression

Model 2815.1US

Comp1	Comp2	Wt [lb]	Quantity	Part No	DG
¾ (25mm)	¾ (25mm)	1.846	1	11531	4
1 (32mm)	1 (32mm)	2.126	1	11571	4
1¼ (40mm)	1¼ (40mm)	3.696	1	11610	4
1½ (50mm)	1½ (50mm)	4.955	1	11611	4
2 (63mm)	2 (63mm)	8.424	1	11612	4
2½ (75mm)	2½ (75mm)	10.894	1	11613	4
3 (90mm)	3 (90mm)	18.072	1	11614	4
4 (110mm)	4 (110mm)	22.830	1	11615	4



Insulation kit

- For couplings
- Only use with straight coupling
Model 2815.1US

- Polyurethane

Components

- 2 piece insulation shell, 2 screw clamps,
silicone caulking

Model 2815.2US

J.D.1	J.D.2	Wt [lb]	Quantity	Part No	DG
3½ (90mm)	3½ (90mm)	3.006	1	11540	4
4⅓ (110mm)	4⅓ (110mm)	3.506	1	11541	4
5 (125mm)	5 (125mm)	3.506	1	11542	4
5½ (140mm)	5½ (140mm)	3.806	1	11543	4
6⅓ (160mm)	6⅓ (160mm)	4.305	1	11544	4
7 (180mm)	7 (180mm)	4.705	1	11545	4

J.D.1 = jacket diameter