

Polyethylene Pipe and Fittings Range

Technical Guide R2.1

Full range of Polyethylene Pipe options and fittings. Light weight, fast and easy assembly for multiple applications.



03.21 | RURAL | R2.1 LOW DENSITY POLYETHYLENE PIPE

Applications

Water reticulation for rural and urban applications

Product Attributes

Economical

Flexible and durable

Various coil sizes available

Easy uncoiling and laying

Strong, thick wall section

Will connect to all New Zealand's leading brands of fittings that comply to NZS 7061

Large range available

Approvals/Standards

NZS 7061 compliant

Quality

ISO 9001:2008 Quality Management Standard

We are the supply partner of choice for New Zealand's rural industry, specialising in water and infrastructure based solutions.

HYNDS
RURAL

Low density fittings enable a fast and easy assembly for connecting Low Density (LDPE) Polyethylene Pipe, creating versatility for a new or existing installation.

Installation

- Cut the pipe ensuring it ends with a square cut.
- If repairing a burst pipe, measure the distance of the replacement fitting between the screwed on nuts – for a guide of how much you need to cut.
- Check the nut is fully wound onto the body of the fitting, before pushing the pipe onto the fitting as far as possible.
- Before tightening with a spanner or pipe grip, wind the nut on to the pipe for several turns.

Low Density “Alkathene” Polyethylene Pipe

- Very flexible and easy to use.
- Ideal for lower pressure stock water and irrigation systems.
- Manufactured to NZS 7601.

LDPE sizes are based on internal bore diameter.

LDPE is not suitable where a bloat drench is injected into the water line.

| Product Code | Internal Diameter | Coil Size (metres) | Pressure Rating |
|--------------|-------------------|--------------------|-----------------|
| 300.15.25 | 15 mm | 25 | 9 Bar |
| 300.15.50 | | 50 | |
| 300.15.100 | | 100 | |
| 300.15.200 | | 200 | |
| 300.20.25 | 20 mm | 25 | 8 Bar |
| 300.20.50 | | 50 | |
| 300.20.100 | | 100 | |
| 300.20.200 | | 200 | |
| 300.25.25 | 25 mm | 25 | 6.5 Bar |
| 300.25.50 | | 50 | |
| 300.25.100 | | 100 | |
| 300.25.200 | | 200 | |
| 300.32.25 | 32 mm | 25 | 5 Bar |
| 300.32.50 | | 50 | |
| 300.32.100 | | 100 | |
| 300.32.200 | | 200 | |
| 300.40.25 | 40 mm | 25 | 4.5 Bar |
| 300.40.50 | | 50 | |
| 300.40.100 | | 100 | |
| 300.40.200 | | 200 | |
| 300.50.25 | 50 mm | 25 | 3.5 Bar |
| 300.50.50 | | 50 | |
| 300.50.100 | | 100 | |

Lateral Tube

| | | | |
|------|--------------|------|------|
| 13mm | 3.1Bar/45PSI | 100M | 400M |
| 16mm | 3.1Bar/45PSI | 100M | 400M |
| 19mm | 3.1Bar/45PSI | 100M | 300M |
| 25mm | 3.1Bar/45PSI | 100M | 200M |

Notes: The Hynds branch network carry a full range of associated fittings and accessories.

For LDPE and Lateral the maximum operating pressure at 20°C.



TABLE 1 Hex Cap

| Product Code | Diameter |
|--------------|----------|
| LDF-CH15 | 15 mm |
| LDF-CH20 | 20 mm |
| LDF-CH25 | 25 mm |
| LDF-CH32 | 32 mm |
| LDF-CH40 | 40 mm |
| LDF-CH50 | 50 mm |
| LDF-CH65 | 65 mm |
| LDF-CH80 | 80 mm |



TABLE 2 Reducing Bush

| Product Code | Diameter |
|--------------|-------------|
| LDF-BR1510 | 15 x 10 mm |
| LDF-BR2015 | 20 x 15 mm |
| LDF-BR2515 | 25 x 15 mm |
| LDF-BR2520 | 25 x 20 mm |
| LDF-BR3220 | 32 x 20 mm |
| LDF-BR3225 | 32 x 25 mm |
| LDF-BR4020 | 40 x 20 mm |
| LDF-BR4025 | 40 x 25 mm |
| LDF-BR4032 | 40 x 32 mm |
| LDF-BR5020 | 50 x 20 mm |
| LDF-BR5025 | 50 x 25 mm |
| LDF-BR5032 | 50 x 32 mm |
| LDF-BR5040 | 50 x 40 mm |
| LDF-BR6540 | 65 x 40 mm |
| LDF-BR6550 | 65 x 50 mm |
| LDF-BR8050 | 80 x 50 mm |
| LDF-BR8065 | 80 x 65 mm |
| LDF-BR10080 | 100 x 80 mm |



TABLE 3 Reducing Tee

| Product Code | Diameter |
|--------------|-----------------|
| LDF-TR152015 | 15 x 20 x 15 mm |
| LDF-TR201520 | 20 x 15 x 20 mm |
| LDF-TR202520 | 20 x 25 x 20 mm |
| LDF-TR251525 | 25 x 15 x 25 mm |
| LDF-TR252025 | 25 x 20 x 25 mm |
| LDF-TR322032 | 32 x 20 x 32 mm |
| LDF-TR322532 | 32 x 25 x 32 mm |
| LDF-TR402540 | 40 x 25 x 40 mm |
| LDF-TR403240 | 40 x 32 x 40 mm |
| LDF-TR503250 | 50 x 32 x 50 mm |
| LDF-TR504050 | 50 x 40 x 50 mm |



TABLE 4 Hex Nipple Reducer

| Product Code | Diameter |
|--------------|------------|
| LDF-NH2015 | 20 x 15 mm |
| LDF-NH2515 | 25 x 15 mm |
| LDF-NH2520 | 25 x 20 mm |
| LDF-NH3220 | 32 x 20 mm |
| LDF-NH3225 | 32 x 25 mm |
| LDF-NH4020 | 40 x 20 mm |
| LDF-NH4025 | 40 x 25 mm |
| LDF-NH4032 | 40 x 32 mm |
| LDF-NH5020 | 50 x 20 mm |
| LDF-NH5025 | 50 x 25 mm |
| LDF-NH5032 | 50 x 32 mm |
| LDF-NH5040 | 50 x 40 mm |
| LDF-NH8065 | 80 x 65 mm |



TABLE 5 Female Bend

| Product Code | Diameter |
|--------------|----------|
| LDF-BF15 | 15 mm |
| LDF-BF20 | 20 mm |
| LDF-BF25 | 25 mm |
| LDF-BF32 | 32 mm |
| LDF-BF40 | 40 mm |
| LDF-BF50 | 50 mm |



TABLE 6 Reducing Female Bend

| Product Code | Diameter |
|--------------|------------|
| LDF-BF1520 | 15 x 20 mm |
| LDF-BF2015 | 20 x 15 mm |
| LDF-BF2520 | 25 x 20 mm |
| LDF-BF3225 | 32 x 25 mm |
| LDF-BF4032 | 40 x 32 mm |
| LDF-BF5040 | 50 x 40 mm |



TABLE 7 Bend

| Product Code | Diameter |
|--------------|----------|
| LDF-B15 | 15 mm |
| LDF-B20 | 20 mm |
| LDF-B25 | 25 mm |
| LDF-B32 | 32 mm |
| LDF-B40 | 40 mm |
| LDF-B50 | 50 mm |



TABLE 8 Long Male Bend

| Product Code | Diameter |
|--------------|----------|
| LDF-BML15 | 15 mm |
| LDF-BML20 | 20 mm |
| LDF-BML25 | 25 mm |



TABLE 9 Reducing Male Coupling

| Product Code | Diameter |
|--------------|------------|
| LDF-CM1520 | 15 x 20 mm |
| LDF-CM2015 | 20 x 15 mm |
| LDF-CM2025 | 20 x 25 mm |
| LDF-CM2515 | 25 x 15 mm |
| LDF-CM2520 | 25 x 20 mm |
| LDF-CM3220 | 32 x 20 mm |
| LDF-CM3225 | 32 x 25 mm |



TABLE 10 Male Bend

| Product Code | Diameter |
|--------------|----------|
| LDF-BMS15 | 15 mm |
| LDF-BMS20 | 20 mm |
| LDF-BMS25 | 25 mm |
| LDF-BMS32 | 32 mm |
| LDF-BMS40 | 40 mm |
| LDF-BMS50 | 50 mm |



TABLE 11 Female Coupling

| Product Code | Diameter |
|--------------|----------|
| LDF-CF15 | 15 mm |
| LDF-CF20 | 20 mm |
| LDF-CF25 | 25 mm |
| LDF-CF32 | 32 mm |
| LDF-CF40 | 40 mm |
| LDF-CF50 | 50 mm |



TABLE 12 Reducing Female Coupler

| Product Code | Diameter |
|--------------|------------|
| LDF-CF2015 | 20 x 15 mm |
| LDF-CF2520 | 25 x 20 mm |
| LDF-CF3225 | 32 x 25 mm |
| LDF-CF4032 | 40 x 32 mm |
| LDF-CF5040 | 50 x 40 mm |



TABLE 13 Reducing Coupling

| Product Code | Diameter |
|--------------|------------|
| LDF-CR2015 | 20 x 15 mm |
| LDF-CR2515 | 25 x 15 mm |
| LDF-CR2520 | 25 x 20 mm |
| LDF-CR3220 | 32 x 20 mm |
| LDF-CR3225 | 32 x 25 mm |
| LDF-CR4032 | 40 x 32 mm |
| LDF-CR5040 | 50 x 40 mm |



TABLE 14 Reducing Male Bend

| Product Code | Diameter |
|--------------|------------|
| LDF-BRM1520 | 15 x 20 mm |
| LDF-BRM2015 | 20 x 15 mm |
| LDF-BRM2025 | 20 x 25 mm |
| LDF-BRM2520 | 25 x 20 mm |



TABLE 15 Reducing Hex Sockets

| Product Code | Diameter |
|--------------|------------|
| LDF-SH2015 | 20 x 15 mm |
| LDF-SH2515 | 25 x 15 mm |
| LDF-SH2520 | 25 x 20 mm |
| LDF-SH3220 | 32 x 20 mm |
| LDF-SH3225 | 32 x 25 mm |
| LDF-SH4020 | 40 x 20 mm |
| LDF-SH4025 | 40 x 25 mm |



TABLE 16 Threaded Male/Female Elbow

| Product Code | Diameter |
|--------------|----------|
| LDF-EMFT15 | 15 mm |
| LDF-EMFT20 | 20 mm |
| LDF-EMFT25 | 25 mm |
| LDF-EMFT32 | 32 mm |
| LDF-EMFT40 | 40 mm |
| LDF-EMFT50 | 50 mm |



TABLE 17 Threaded Elbow

| Product Code | Diameter |
|--------------|----------|
| LDF-EMFT15 | 15 mm |
| LDF-EMFT20 | 20 mm |
| LDF-EMFT25 | 25 mm |
| LDF-EMFT32 | 32 mm |
| LDF-EMFT40 | 40 mm |
| LDF-EMFT50 | 50 mm |



TABLE 18 Backing Nut

| Product Code | Diameter |
|--------------|----------|
| LDF-BN15 | 15 mm |
| LDF-BN20 | 20 mm |
| LDF-BN25 | 25 mm |
| LDF-BN32 | 32 mm |
| LDF-BN40 | 40 mm |
| LDF-BN50 | 50 mm |



TABLE 19 Bracket Elbow

| Product Code | Diameter |
|--------------|------------|
| LDF-BE15 | 15 mm |
| LDF-BE1520 | 15 x 20 mm |
| LDF-BE20 | 20 mm |
| LDF-BE2015 | 20 x 15 mm |



TABLE 20 Long Repair Coupler

| Product Code | Diameter |
|--------------|----------|
| LDF-CLR15 | 15 mm |
| LDF-CLR20 | 20 mm |
| LDF-CLR25 | 25 mm |



TABLE 21 Threaded Tee

| Product Code | Diameter |
|--------------|----------|
| LDF-TT15 | 15 mm |
| LDF-TT20 | 20 mm |
| LDF-TT25 | 25 mm |
| LDF-TT32 | 32 mm |
| LDF-TT40 | 40 mm |
| LDF-TT50 | 50 mm |



TABLE 22 Hex Sockets

| Product Code | Diameter |
|--------------|----------|
| LDF-SH15 | 15 mm |
| LDF-SH20 | 20 mm |
| LDF-SH25 | 25 mm |
| LDF-SH32 | 32 mm |
| LDF-SH40 | 40 mm |
| LDF-SH50 | 50 mm |
| LDF-SH65 | 65 mm |



TABLE 23 Female Tee

| Product Code | Diameter |
|--------------|----------|
| LDF-TF15 | 15 mm |
| LDF-TF20 | 20 mm |
| LDF-TF25 | 25 mm |
| LDF-TF32 | 32 mm |
| LDF-TF40 | 40 mm |
| LDF-TF50 | 50 mm |



TABLE 24 Tee

| Product Code | Diameter |
|--------------|----------|
| LDF-T15 | 15 mm |
| LDF-T20 | 20 mm |
| LDF-T25 | 25 mm |
| LDF-T32 | 32 mm |
| LDF-T40 | 40 mm |
| LDF-T50 | 50 mm |



TABLE 25 Male Coupling

| Product Code | Diameter |
|--------------|----------|
| LDF-CM15 | 15 mm |
| LDF-CM20 | 20 mm |
| LDF-CM25 | 25 mm |
| LDF-CM32 | 32 mm |
| LDF-CM40 | 40 mm |
| LDF-CM50 | 50 mm |



TABLE 26 Hex Plug

| Product Code | Diameter |
|--------------|----------|
| LDF-PH15 | 15 mm |
| LDF-PH20 | 20 mm |
| LDF-PH25 | 25 mm |
| LDF-PH32 | 32 mm |
| LDF-PH40 | 40 mm |
| LDF-PH50 | 50 mm |
| LDF-PH65 | 65 mm |



TABLE 27 Male Tee

| Product Code | Diameter |
|--------------|------------|
| LDF-TM152015 | 15 x 20 mm |
| LDF-TM20 | 20 mm |



TABLE 28 Hose

| Product Code | Diameter |
|--------------|----------|
| LDF-HT15 | 15 mm |
| LDF-HT20 | 20 mm |
| LDF-HT25 | 25 mm |
| LDF-HT32 | 32 mm |
| LDF-HT40 | 40 mm |
| LDF-HT50 | 50 mm |
| LDF-HT80 | 80 mm |



TABLE 29 Hex Nipple

| Product Code | Diameter |
|--------------|----------|
| LDF-NH15 | 15 mm |
| LDF-NH20 | 20 mm |
| LDF-NH25 | 25 mm |
| LDF-NH32 | 32 mm |
| LDF-NH40 | 40 mm |
| LDF-NH50 | 50 mm |
| LDF-NH80 | 80 mm |



TABLE 30 Straight Coupling

| Product Code | Diameter |
|--------------|----------|
| LDF-C15 | 15 mm |
| LDF-C20 | 20 mm |
| LDF-C25 | 25 mm |
| LDF-C32 | 32 mm |
| LDF-C40 | 40 mm |
| LDF-C50 | 50 mm |

Branches Nationwide *Support Office & Technical Services 09 274 0316*

Disclaimer: While every effort has been made to ensure that the information in this document is correct and accurate, users of Hynds product or information within this document must make their own assessment of suitability for their particular application. Product dimensions are nominal only, and should be verified if critical to a particular installation. No warranty is either expressed, implied, or statutory made by Hynds unless expressly stated in any sale and purchase agreement entered into between Hynds and the user.