

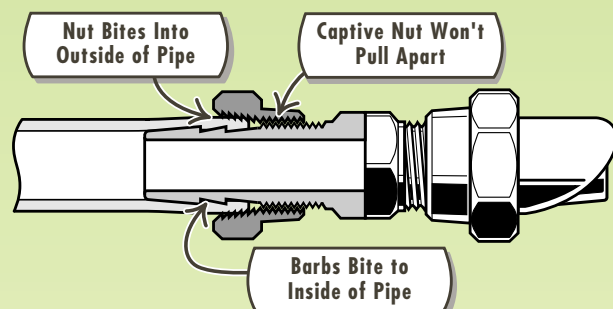
POLYTHENE PIPE FITTINGS TECHNICAL INFORMATION

Features & Benefits

- One piece fitting. No components to lose, rust or corrode.
- Fast & easy assembly – Push the pipe onto the fitting and wind on the nut.
- Nut & Barbs provide superior double strength grip – Fitted correctly the fitting will not blow off the pipe.
- Manufactured from High Quality Glass Fibre Reinforced Nylon giving a weather, termite, fungi and bacteria resistance, for longer life, cost effective, low maintenance fittings.
- No O-Ring Seal, No Crimping, No Solvent Cement.
- Low Installation Costs, no specialist site equipment or skilled labour required.
- Fittings demonstrate excellent hydraulic flow characteristics.
- Fittings provide flexibility and versatility for new and existing installations, saving on time and money.

Specifications

- Fittings are designed for;
 - All sizes of New Zealand Low Density Polythene Pipe LDPE (to NZS 7601), Enduro Flex, Australian Rural (Class B) & Irish Imperial Pipe.
 - Suitable for other types of flexible pipe and hose, i.e. thin wall irrigation tubing, suction and rubber hoses.
- Fittings range from 15mm (1/2") to 50mm (2") pipe size.
- It is recommended that either a thread sealing paste or thread sealing tape be used on all threaded connections.
- HANSEN™ Polythene Fittings 15mm to 50mm are M&I, approved. See below for more information on this approval.



Ridging on the HANSEN™ fitting barb will hold the pipe in place from the inside, and threads on the clamping nuts give a permanent vice-like hold on the outside of the pipe.

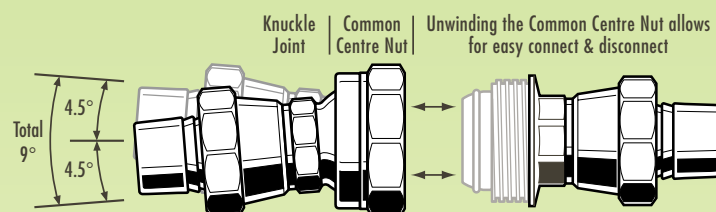
KNUCKLE UNION TECHNICAL INFORMATION

Features & Benefits

- Pump can easily be removed or installed from system for servicing by undoing common centre nut.
- Pump can be off centre from pipe work by a total of 9 degrees.
- Fits into the extensive range of HANSEN™ Polythene Pipe Fittings.
- Cold fit – Fast fix – No heating of pipe required.
- Manufactured from High Quality Glass Fibre Reinforced Nylon giving a weather, termite, fungi and bacteria resistance, for longer life, cost effective, low maintenance fittings.
- Materials approved for use with potable (drinkable) water.

Specifications

- Material Temperature Range, Without load, maximum 150°C. Short term without load, maximum 200°C. Melts at 215°C.
- Maximum Working Pressure; 10 Bar (1000 kPa. 145 PSI) @ 20°C.
- Fittings are designed for;
 - All sizes of New Zealand Low Density Polythene Pipe LDPE (to NZS 7601), Enduro Flex, Australian Rural (Class B) & Irish Imperial Pipe.
 - Suitable for other types of flexible pipe and hose, i.e. thin wall irrigation tubing, suction and rubber hoses.
- All pipe work must be adequately supported.
- It is recommended that either a thread sealing paste or thread sealing tape be used on all threaded connections.
- Suitable for many types of fluid. Ask your dealer for details or contact HANSEN™ Products for more information.



FOR TECHNICAL INFORMATION:

- **WEBSITE:** www.hansenproducts.co.nz
- **FREE CALL:** 0800 HANSEN (0800 426 736) (NZ only)
- **EMAIL:** sales@hansenproducts.co.nz

HANSEN APPROVALS



General Company Approvals

Hansen Products (NZ) Limited are justifiably proud to be certified to the new ISO 9001 : 2000 standard. Quality Management Systems – Requirements. The old versions were based on service standards whilst the latest is a focus on process. The object of a quality management system is to increase the efficiency and effectiveness of any organisation to eliminate risk to the customer.

We are certified for the design, manufacture, assembly, packaging, distribution and marketing of our products.



SGS - M&I

SGS - M&I is the Marine and Industrial Division of SGS New Zealand Limited and forms part of the global SGS group, who are the world's largest independent Inspection, Testing and Certification body. The M&I division of SGS

New Zealand Limited is the countries largest marine and industrial inspection, testing and Safe Ship Management service provider. They offer Ships Surveys, SSM Systems Consultancy and Audit, Ships design Verification and Marine Product Certification for use on N.Z.'s commercial vessel fleet."

Hansen Polythene Pipe Fittings 15 to 50mm, Knuckle Unions, Threaded Pipe fittings 6 to 100mm, Foot and Check Valves have been SGS - M&I approved.

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HANSEN™

POLYTHENE PIPE FITTINGS



EASY FIT FOR MANY SITUATIONS

HDB002 0904



Quality
Endorsed
Company
ISO 9001
QEC 3776

HANSEN™

POLYTHENE PIPE FITTINGS

HANSEN™ POLYTHENE PIPE FITTINGS

HANSEN™ have developed over 200 Easy Fit Polythene Pipe Fittings to meet the ever increasing variety of user needs. Designed for many situations. To check for specific usage please contact us. Contact details are on the reverse of this brochure.

CONVERSIONS

15mm - 1/2"
 20mm - 3/4"
 25mm - 1"
 32mm - 1 1/4"
 40mm - 1 1/2"
 50mm - 2"

HQBT Quick Break Tee

Size mm:
 15
 20



HS Straight Coupling

Size mm:
 15
 20
 25
 32
 40
 50



HLS Long Straight Coupling

Size mm:
 15
 20
 25



HRS Reducing Straight Coupling

Size mm:
 20 x 15
 25 x 15
 25 x 20
 32 x 20
 32 x 25
 40 x 32
 50 x 40



HFS Female Straight Coupling

Size mm:
 15
 20
 25
 32
 40
 50



HRFS Reducing Female Coupling

Size mm:
 20 x 15
 25 x 20
 32 x 25
 40 x 32
 50 x 40



HMS Male Straight Coupling

Size mm:
 15
 20
 25
 32
 40
 50



HRMS Reducing Male Coupling

Size mm:
 15 x 20
 20 x 15
 20 x 25
 25 x 15
 25 x 20



HT Tee Connector

Size mm:
 15
 20
 25
 32
 40
 50



HRT Reducing Tee Connector

Size mm:
 15 x 15 x 20
 20 x 20 x 15
 20 x 20 x 25
 25 x 25 x 15
 25 x 25 x 20
 32 x 32 x 20
 32 x 32 x 25
 40 x 40 x 25
 40 x 40 x 32
 50 x 50 x 32
 50 x 50 x 40



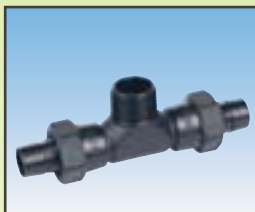
HFT Female Threaded Tee

Size mm:
 15
 20
 25
 32
 40
 50



HMT Male Threaded Tee

Size mm:
 15
 20



HB Bend

Size mm:
 15
 20
 25
 32
 40
 50



HFB Female Bend

Size mm:
 15
 20
 25
 32
 40
 50



HRFB Reducing Female Bend

Size mm:
 15 x 20
 20 x 15
 25 x 20
 32 x 25
 40 x 32
 50 x 40



HMBL Male Bend (Long)

Size mm:
 15
 20
 25



HRMBL Reducing Male Bend (Long)

Size mm:
 15 x 20
 20 x 15
 20 x 25
 25 x 20



HMBS Male Bend (Short)

Size mm:
 15
 20
 25
 32
 40
 50



HQC Quick Release Coupling

Size mm:
 25-20 (1" BSP x 3/4" Hose)
 25 (1" BSP x 1" Hose)
 32 (1 1/4" BSP x 1 1/4" Hose)
 32-25 (1 1/4" BSP x 1" Hose)



HBE Bracket Elbow

Size mm:
 15
 20



HRBE Reducing Bracket Elbow

Size mm:
 15 x 20
 20 x 15



Threads on HANSEN™ fittings are described Thread first eg: HRMS 15 x 20 is 15mm thread and 20mm barb.

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QUICK DISCONNECT KNUCKLE UNION

TOTAL OF 9 DEGREES MOVEMENT
 For Greater Flexibility

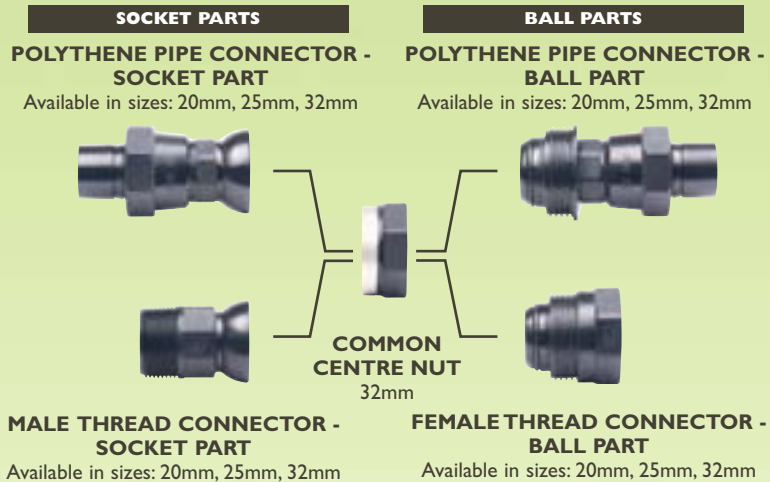
QUICK DISCONNECT
 For Easy Removal



CONNECT TO PUMP

CONNECT TO PIPE

The HANSEN™ Knuckle Union has two key features. Unwinding the common centre nut allows for easy connect & disconnect from large equipment and existing installations. The addition of a 9 degree knuckle joint provides strain relief where needed.



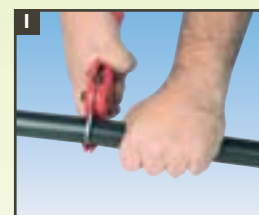
For a detailed description of the individual components contact us or visit the Knuckle Union area of our website.

KNUCKLE UNIONS ARE AVAILABLE AS FULLY ASSEMBLED UNITS AND AS INDIVIDUAL COMPONENTS ON REQUEST

CODE	DESCRIPTION	EXAMPLE
KU20M20P	20mm Male Thread x 20mm Poly Pipe Tail	
KU20M25P	20mm Male Thread x 25mm Poly Pipe Tail	
KU20M20F	20mm Male Thread x 20mm Female Thread	
KU20F20P	20mm Female Thread x 20mm Poly Pipe Tail	
KU20P20P	20mm Poly Pipe Tail x 20mm Poly Pipe Tail	
KU25M20P	25mm Male Thread x 20mm Poly Pipe Tail	
KU25M25P	25mm Male Thread x 25mm Poly Pipe Tail	
KU25M32P	25mm Male Thread x 32mm Poly Pipe Tail	
KU25M25F	25mm Male Thread x 25mm Female Thread	
KU25F25P	25mm Female Thread x 25mm Poly Pipe Tail	
KU25P25P	25mm Poly Pipe Tail x 25mm Poly Pipe Tail	
KU32M25P	32mm Male Thread x 25mm Poly Pipe Tail	
KU32M32P	32mm Male Thread x 32mm Poly Pipe Tail	
KU32M32F	32mm Male Thread x 32mm Female Thread	
KU32F32P	32mm Female Thread x 32mm Poly Pipe Tail	
KU32P32P	32mm Poly Pipe Tail x 32mm Poly Pipe Tail	

STEPS TO A QUICK & EASY INSTALLATION

Polythene Pipe Fitting



1. Cut the pipe with pipe cutters, a knife or saw. Ensure a square cut of pipe ends. Clean burrs off pipe. When making a repair in a burst pipe, make sure the length of the cut away matches the length of the replacement fitting between the screwed on nuts.



2. Ensure the nut is fully wound back onto the body of the fitting. Push the pipe onto the fitting and as far as possible into the nut.



3. Wind the nut onto the pipe. Tighten with spanner or pipe grips.

Knuckle Union

Pump to Pipe



1. Disconnect current pipe from pump.



2. Connect new pipe to pump.

Pipe to Pipe



1. Disconnect current pipe.



2. Connect new pipe.

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