



PRODUCT CATALOGUE · ISSUE: OCTOBER 2026

Product Catalogue

Grooved couplings and fittings for fire protection, in sizes 1" to 24" (DN25 to DN600), with larger sizes on request. Plus hangers, clamps and steel sprinkler pipe for a complete piping package. UL Listed and FM Approved grooved fittings, couplings and accessories supplied to project specification.

CONTENTS

Grooved Couplings	5	Pipe Hangers & Supports	25
Mechanical Tees & Crosses	8	Pipe Clamps	26
Flanges & Flange Adapters	11	Steel Sprinkler Pipe	26
Elbows	14	Product gallery	27
Tees & Crosses	17	Contact	28
Reducers & Caps	21		

Approval status. UL Listed and FM Approved grooved fittings, couplings and accessories supplied to project specification. Information in this document is taken from published True North™ product information and is subject to change without notice.

ABOUT US

A Canadian brand of grooved fire protection fittings, supplied worldwide

Based in Vancouver, British Columbia, True North™ is a Canadian brand of grooved couplings and fittings for fire protection. Our grooved couplings and fittings are our own True North brand products, available in sizes 1" to 24", with larger sizes on request. We also supply hangers, clamps and steel sprinkler pipe (UL Listed and FM Approved, available on request) for a complete piping package. True North is a separate company under common ownership with Global Lions Group.

True North was set up to give fire protection contractors and distributors in Canada and worldwide a responsive, dependable source of grooved couplings, fittings and gaskets, backed by a team that answers the phone.

At a glance

Brand	True North™, a Canadian brand
Head office	404-999 Canada Place, Vancouver, BC
Sister company	Global Lions Group (common ownership)
Approvals	UL Listed and FM Approved grooved fittings, couplings and accessories supplied to project specification.
Credit terms	Up to 90 days for approved customers, subject to credit approval. Credit application →
Markets served	Worldwide: North America, Europe, Asia, the Middle East and Africa

Our commitments

- ✓ Clear technical documentation for every product. Data sheets available on request.
- ✓ Approvals: UL Listed and FM Approved grooved fittings, couplings and accessories supplied to project specification.
- ✓ Fast, straightforward quoting for contractors and distributors.

The grooved advantage

- ✓ No hot work: no welding or flame on site.
- ✓ Faster installation than welded, flanged or threaded joints.
- ✓ Thermal and seismic movement handled by flexible couplings.
- ✓ Noise and vibration absorbed at mechanical joints.
- ✓ Easy maintenance: remove a few bolts to open the system.

Why True North

Complete piping package

Grooved couplings and fittings, pipe hangers, pipe clamps and steel sprinkler pipe from one supplier, for the whole fire protection piping system.

UL / FM

UL Listed and FM Approved grooved fittings, couplings and accessories supplied to project specification.

Submittal-ready documentation

Spec tables and data sheets are available for every product on request.

Vancouver head office, global reach

Responsive support for contractors and distributors in Canada and around the world.

Class 150 and PN16

Flanges and flange adapters in both ASME B16.5 Class 150 and PN16 drilling, for projects worldwide, across North America, Europe, Asia, the Middle East and Africa.

Fast quotes

Send a bill of materials and get pricing back quickly.

QUALITY

Quality, approvals & standards

UL Listed and FM Approved grooved fittings, couplings and accessories supplied to project specification.

UL / FM

Available on request

UL Listed and FM Approved grooved fittings, couplings and accessories supplied to project specification. Hangers, clamps and steel sprinkler pipe included. Documentation on request.

Standards

Grooved couplings & fittings

Supplied for use with grooved pipe to AWWA C606 groove dimensions, in ductile iron to ASTM A536 Grade 65-45-12 or carbon steel.

Flanges & flange adapters

Flange adapters and grooved flanges suit ASME B16.5 Class 150 and PN16 drilling.

Installation

Install in accordance with NFPA 13.

Pipe & hangers

Steel sprinkler pipe to ASTM A53 / A795 / A135 and hangers to MSS SP-58 are available on request.

Documentation

Material certificates and test reports on request.

Materials & finishes

Materials

Ductile iron or carbon steel, painted or hot-dip galvanized; 316 stainless steel couplings. Material documentation is available on request.

Inspection & testing

Inspection and test documentation is available on request.

Coatings

Painted or hot-dip galvanized finishes, by request.

Flange drilling: ASME B16.5 Class 150 and PN16. Sizes: 1" to 24" (DN25 to DN600); larger sizes on request. Working pressure: 300 psi (2.07 MPa) maximum CWP. Weights on request.

PRODUCT RANGE

Products by family

Grooved couplings and fittings, pipe hangers, pipe clamps and steel sprinkler pipe. 42 True North™ grooved products plus hangers, clamps & pipe. Need a size or material not listed? Send us your requirements.



Grooved Couplings

Rigid, flexible and reducing couplings for grooved pipe.

7 products · page 5



Mechanical Tees & Crosses

Clamp-on branch outlets, threaded or grooved.

5 products · page 8



Flanges & Flange Adapters

Grooved-to-flanged transitions, PN16 and Class 150.

8 products · page 11



Elbows

Grooved-end changes of direction from 11.25° to 90°.

6 products · page 14



Tees & Crosses

Grooved equal, reducing and four-way fittings.

9 products · page 17



Reducers & Caps

Size changes and line terminations.

7 products · page 21



Pipe Hangers & Supports

Standard hanger and support types. UL Listed and FM Approved, available on request.

UL / FM available · 0 types · page 25



Pipe Clamps

Clamps for pipe to strut, beams and structure. UL Listed and FM Approved, available on request.

UL / FM available · 0 types · page 26



Steel Sprinkler Pipe

Black and galvanized sprinkler pipe. UL Listed and FM Approved, available on request.

UL / FM available · 0 types · page 26

TRUE NORTH™ BRAND

Grooved Couplings

Rigid, flexible and reducing couplings for grooved pipe.

Sizes 1" to 24"; larger sizes on request.

Materials we can supply: Ductile iron or carbon steel; painted or hot-dip galvanized; 316 stainless steel couplings.

For grooved pipe to AWWA C606 groove dimensions; ductile iron to ASTM A536 Grade 65-45-12 or carbon steel.

Working pressure 300 psi (2.07 MPa) maximum CWP; coupling dimensions in the data sheets.

Weights: contact us for details.



Rigid Coupling

TN-RC-01



Rigid grooved joint for mains, risers and long straight runs.

- **Materials:** Ductile iron or carbon steel; painted or hot-dip galvanized; 316 stainless steel couplings
- **Sizes:** 18 sizes (see table). Standard sizes 1-1/4" to 16"; 1" and 18" to 24" on request.
- **Approvals:** See Quality & Approvals

Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)
1"	33.7	2-1/2"	76.1	5"	139.7	8"	219.1
1-1/4"	42.4	3"	88.9	5"	141.3	10"	273
1-1/2"	48.3	4"	108	6"	159	12"	323.9
2"	60.3	4"	114.3	6"	165.1		
2-1/2"	73	5"	133	6"	168.3		

Flexible Coupling

TN-FC-01



Allows controlled deflection, expansion and contraction for thermal and seismic movement.

- **Materials:** Ductile iron or carbon steel; painted or hot-dip galvanized; 316 stainless steel couplings
- **Sizes:** 18 sizes (see table). Sizes 1" to 24"; larger sizes on request.
- **Approvals:** See Quality & Approvals

Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)
1"	33.7	2-1/2"	76.1	5"	139.7	8"	219.1
1-1/4"	42.4	3"	88.9	5"	141.3	10"	273
1-1/2"	48.3	4"	108	6"	159	12"	323.9
2"	60.3	4"	114.3	6"	165.1		
2-1/2"	73	5"	133	6"	168.3		

Angle-Pad Rigid Coupling

TN-RC-02



Rigid coupling with angled bolt pads.

- **Materials:** Ductile iron or carbon steel; painted or hot-dip galvanized; 316 stainless steel couplings
- **Sizes:** 18 sizes (see table). Standard sizes 1-1/4" to 16"; 1" and 18" to 24" on request.
- **Approvals:** See Quality & Approvals

Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)
1"	33.7	2-1/2"	76.1	5"	139.7	8"	219.1
1-1/4"	42.4	3"	88.9	5"	141.3	10"	273
1-1/2"	48.3	4"	108	6"	159	12"	323.9
2"	60.3	4"	114.3	6"	165.1		
2-1/2"	73	5"	133	6"	168.3		

One-Stop Coupling

TN-RC-03



Pre-assembled coupling for faster installation.

- **Materials:** Ductile iron or carbon steel; painted or hot-dip galvanized; 316 stainless steel couplings
- **Sizes:** 9 sizes (see table). Sizes 1" to 24"; larger sizes on request.
- **Approvals:** See Quality & Approvals

Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)
2"	60.3	3"	88.9	5"	141.3
2-1/2"	73	4"	114.3	6"	165.1
2-1/2"	76.1	5"	139.7	6"	168.3

Reducing Coupling

TN-RDC-01



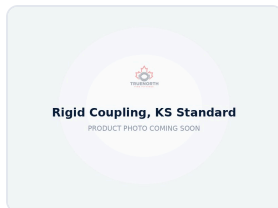
Joins two grooved pipe sizes directly.

- **Materials:** Ductile iron or carbon steel; painted or hot-dip galvanized; 316 stainless steel couplings
- **Sizes:** 19 sizes (see table). Sizes 1" to 24"; larger sizes on request.
- **Approvals:** See Quality & Approvals

Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)
2" x 1-1/4"	60.3 x 42.4	2-1/2" x 2"	76.1 x 60.3	4" x 1-1/2"	114.3 x 48.3	6" x 4"	165.1 x 114.3
2" x 1-1/2"	60.3 x 48.3	3" x 1-1/2"	88.9 x 48.3	4" x 2"	114.3 x 60.3	6" x 3"	168.3 x 88.9
2-1/2" x 1-1/2"	73 x 48.3	3" x 2"	88.9 x 60.3	4" x 2-1/2"	114.3 x 73	6" x 4"	168.3 x 114.3
2-1/2" x 2"	73 x 60.3	3" x 2-1/2"	88.9 x 73	4" x 2-1/2"	114.3 x 76.1	8" x 6"	219.1 x 168.3
2-1/2" x 1-1/2"	76.1 x 48.3	3" x 2-1/2"	88.9 x 76.1	4" x 3"	114.3 x 88.9		

Rigid Coupling, KS Standard

TN-RC-KS



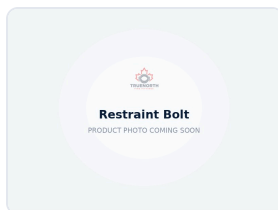
Rigid grooved coupling for pipe to KS (Korean Standard) dimensions.

- **Materials:** Ductile iron or carbon steel; painted or hot-dip galvanized; 316 stainless steel couplings
- **Sizes:** 1" to 24"; size list on request. Sizes 1" to 24"; larger sizes on request.
- **Approvals:** See Quality & Approvals

Size list available on request. Sizes 1" to 24" (DN25 to DN600); larger sizes on request. Contact us for details.

Restraint Bolt

TN-RB-01



Restraint bolt assembly for securing grooved joints against separation.

- **Materials:** Ductile iron or carbon steel; painted or hot-dip galvanized; 316 stainless steel couplings
- **Sizes:** 1" to 24"; size list on request. Sizes 1" to 24"; larger sizes on request.
- **Approvals:** See Quality & Approvals

Size list available on request. Sizes 1" to 24" (DN25 to DN600); larger sizes on request. Contact us for details.

TRUE NORTH™ BRAND

Mechanical Tees & Crosses

Clamp-on branch outlets, threaded or grooved.

Sizes 1" to 24"; larger sizes on request.

Materials we can supply: Ductile iron or carbon steel; painted or hot-dip galvanized.

For grooved pipe to AWWA C606 groove dimensions; ductile iron to ASTM A536 Grade 65-45-12 or carbon steel.

Working pressure 300 psi (2.07 MPa) maximum CWP; coupling dimensions in the data sheets.

Weights: contact us for details.



Mechanical Tee, Threaded Outlet

TN-MT-01



Clamp-on branch outlet with threaded connection.

- **Materials:** Ductile iron or carbon steel; painted or hot-dip galvanized
- **Sizes:** 66 sizes (see table). Sizes 1" to 24"; larger sizes on request.
- **Approvals:** See Quality & Approvals

Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)
1-1/2" x 1/2"	48.3 x 21.3	2-1/2" x 1/2"	76.1 x 21.3	4" x 1-1/4"	108 x 42.4	5" x 1-1/2"	139.7 x 48.3	6" x 1-1/2"	168.3 x 48.3
1-1/2" x 3/4"	48.3 x 26.9	2-1/2" x 3/4"	76.1 x 26.9	4" x 1-1/2"	108 x 48.3	5" x 2"	139.7 x 60.3	6" x 2"	168.3 x 60.3
1-1/2" x 1"	48.3 x 33.7	2-1/2" x 1"	76.1 x 33.7	4" x 1/2"	114.3 x 21.3	5" x 2-1/2"	139.7 x 76.1	6" x 2-1/2"	168.3 x 73
2" x 1/2"	60.3 x 21.3	2-1/2" x 1-1/4"	76.1 x 42.4	4" x 3/4"	114.3 x 26.9	5" x 3"	139.7 x 88.9	6" x 3"	168.3 x 88.9
2" x 3/4"	60.3 x 26.9	2-1/2" x 1-1/2"	76.1 x 48.3	4" x 1"	114.3 x 33.7	6" x 2"	159 x 60.3	8" x 1"	219.1 x 33.7
2" x 1"	60.3 x 33.7	2-1/2" x 2"	76.1 x 60.3	4" x 1-1/4"	114.3 x 42.4	6" x 2-1/2"	159 x 76.1	8" x 1-1/4"	219.1 x 42.4
2" x 1-1/4"	60.3 x 42.4	3" x 1/2"	88.9 x 21.3	4" x 1-1/2"	114.3 x 48.3	6" x 1"	165.1 x 33.7	8" x 1-1/2"	219.1 x 48.3
2" x 1-1/2"	60.3 x 48.3	3" x 3/4"	88.9 x 26.9	4" x 2"	114.3 x 60.3	6" x 1-1/4"	165.1 x 42.4	8" x 2"	219.1 x 60.3
2-1/2" x 1/2"	73 x 21.3	3" x 1"	88.9 x 33.7	4" x 2-1/2"	114.3 x 73	6" x 1-1/2"	165.1 x 48.3	8" x 2-1/2"	219.1 x 76.1
2-1/2" x 3/4"	73 x 26.9	3" x 1-1/4"	88.9 x 42.4	4" x 2-1/2"	114.3 x 76.1	6" x 2"	165.1 x 60.3	8" x 3"	219.1 x 88.9
2-1/2" x 1"	73 x 33.7	3" x 1-1/2"	88.9 x 48.3	4" x 3"	114.3 x 88.9	6" x 2-1/2"	165.1 x 76.1		
2-1/2" x 1-1/4"	73 x 42.4	3" x 2"	88.9 x 60.3	5" x 1"	133 x 33.7	6" x 3"	165.1 x 88.9		
2-1/2" x 1-1/2"	73 x 48.3	3" x 2-1/2"	88.9 x 76.1	5" x 1"	139.7 x 33.7	6" x 1"	168.3 x 33.7		
2-1/2" x 2"	73 x 60.3	4" x 1"	108 x 33.7	5" x 1-1/4"	139.7 x 42.4	6" x 1-1/4"	168.3 x 42.4		

Mechanical Tee, Grooved Outlet

TN-MT-02



Clamp-on branch outlet with grooved connection.

- **Materials:** Ductile iron or carbon steel; painted or hot-dip galvanized
- **Sizes:** 48 sizes (see table). Sizes 1" to 24"; larger sizes on request.
- **Approvals:** See Quality & Approvals

Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)
2" x 1"	60.3 x 33.7	3" x 1-1/4"	88.9 x 42.4	4" x 2-1/2"	114.3 x 76.1	6" x 3"	165.1 x 88.9	8" x 1"	219.1 x 33.7
2" x 1-1/4"	60.3 x 42.4	3" x 1-1/2"	88.9 x 48.3	4" x 3"	114.3 x 88.9	6" x 4"	165.1 x 114.3	8" x 1-1/4"	219.1 x 42.4
2" x 1-1/2"	60.3 x 48.3	3" x 2"	88.9 x 60.3	5" x 2"	139.7 x 60.3	6" x 1"	168.3 x 33.7	8" x 1-1/2"	219.1 x 48.3
2-1/2" x 1"	73 x 33.7	3" x 2-1/2"	88.9 x 73	5" x 2-1/2"	139.7 x 76.1	6" x 1-1/4"	168.3 x 42.4	8" x 2"	219.1 x 60.3
2-1/2" x 1-1/4"	73 x 42.4	3" x 2-1/2"	88.9 x 76.1	5" x 3"	139.7 x 88.9	6" x 1-1/2"	168.3 x 48.3	8" x 2-1/2"	219.1 x 73
2-1/2" x 1-1/2"	73 x 48.3	4" x 1"	114.3 x 33.7	5" x 2-1/2"	141.3 x 73	6" x 2"	168.3 x 60.3	8" x 2-1/2"	219.1 x 76.1
2-1/2" x 1"	76.1 x 33.7	4" x 1-1/4"	114.3 x 42.4	5" x 3"	141.3 x 88.9	6" x 2-1/2"	168.3 x 73	8" x 3"	219.1 x 88.9
2-1/2" x 1-1/4"	76.1 x 42.4	4" x 1-1/2"	114.3 x 48.3	6" x 1-1/2"	165.1 x 48.3	6" x 2-1/2"	168.3 x 76.1	8" x 4"	219.1 x 114.3
2-1/2" x 1-1/2"	76.1 x 48.3	4" x 2"	114.3 x 60.3	6" x 2"	165.1 x 60.3	6" x 3"	168.3 x 88.9		
3" x 1"	88.9 x 33.7	4" x 2-1/2"	114.3 x 73	6" x 2-1/2"	165.1 x 76.1	6" x 4"	168.3 x 114.3		

U-Bolt Mechanical Tee

TN-MT-03



U-bolt branch outlet for small-bore sprinkler connections.

- **Materials:** Ductile iron or carbon steel; painted or hot-dip galvanized
- **Sizes:** 17 sizes (see table). Sizes 1" to 24"; larger sizes on request.
- **Approvals:** See Quality & Approvals

Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)
1" x 1/2"	33.7 x 21.3	1-1/2" x 1/2"	48.3 x 21.3	2" x 1"	60.3 x 33.7	2-1/2" x 3/4"	76.1 x 26.9
1" x 3/4"	33.7 x 26.9	1-1/2" x 3/4"	48.3 x 26.9	2-1/2" x 1/2"	73 x 21.3	2-1/2" x 1"	76.1 x 33.7
1-1/4" x 1/2"	42.4 x 21.3	1-1/2" x 1"	48.3 x 33.7	2-1/2" x 3/4"	73 x 26.9		
1-1/4" x 3/4"	42.4 x 26.9	2" x 1/2"	60.3 x 21.3	2-1/2" x 1"	73 x 33.7		
1-1/4" x 1"	42.4 x 33.7	2" x 3/4"	60.3 x 26.9	2-1/2" x 1/2"	76.1 x 21.3		

Mechanical Cross, Threaded Outlet

TN-MX-01



Clamp-on cross with threaded outlets.

- **Materials:** Ductile iron or carbon steel; painted or hot-dip galvanized
- **Sizes:** 68 sizes (see table). Sizes 1" to 24"; larger sizes on request.
- **Approvals:** See Quality & Approvals

Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)
1-1/2" x 1"	48.3 x 33.7	2-1/2" x 1"	76.1 x 33.7	4" x 1/2"	114.3 x 21.3	5" x 2-1/2"	139.7 x 73	6" x 1-1/2"	168.3 x 48.3
2" x 1/2"	60.3 x 21.3	2-1/2" x 1-1/4"	76.1 x 42.4	4" x 3/4"	114.3 x 26.9	5" x 2-1/2"	139.7 x 76.1	6" x 2"	168.3 x 60.3
2" x 3/4"	60.3 x 26.9	2-1/2" x 1-1/2"	76.1 x 48.3	4" x 1"	114.3 x 33.7	5" x 3"	139.7 x 88.9	6" x 2-1/2"	168.3 x 73
2" x 1"	60.3 x 33.7	2-1/2" x 2"	76.1 x 60.3	4" x 1-1/4"	114.3 x 42.4	6" x 2"	159 x 60.3	6" x 2-1/2"	168.3 x 76.1
2" x 1-1/4"	60.3 x 42.4	3" x 1/2"	88.9 x 21.3	4" x 1-1/2"	114.3 x 48.3	6" x 2-1/2"	159 x 76.1	6" x 3"	168.3 x 88.9
2" x 1-1/2"	60.3 x 48.3	3" x 3/4"	88.9 x 26.9	4" x 2"	114.3 x 60.3	6" x 1"	165.1 x 33.7	8" x 1"	219.1 x 33.7
2-1/2" x 1/2"	73 x 21.3	3" x 1"	88.9 x 33.7	4" x 2-1/2"	114.3 x 73	6" x 1-1/4"	165.1 x 42.4	8" x 1-1/4"	219.1 x 42.4
2-1/2" x 3/4"	73 x 26.9	3" x 1-1/4"	88.9 x 42.4	4" x 2-1/2"	114.3 x 76.1	6" x 1-1/2"	165.1 x 48.3	8" x 1-1/2"	219.1 x 48.3
2-1/2" x 1"	73 x 33.7	3" x 1-1/2"	88.9 x 48.3	4" x 3"	114.3 x 88.9	6" x 2"	165.1 x 60.3	8" x 2"	219.1 x 60.3
2-1/2" x 1-1/4"	73 x 42.4	3" x 2"	88.9 x 60.3	5" x 1"	133 x 33.7	6" x 2-1/2"	165.1 x 73	8" x 2-1/2"	219.1 x 76.1
2-1/2" x 1-1/2"	73 x 48.3	3" x 2-1/2"	88.9 x 76.1	5" x 1"	139.7 x 33.7	6" x 2-1/2"	165.1 x 76.1	8" x 3"	219.1 x 88.9
2-1/2" x 2"	73 x 60.3	4" x 1"	108 x 33.7	5" x 1-1/4"	139.7 x 42.4	6" x 3"	165.1 x 88.9	8" x 4"	219.1 x 114.3
2-1/2" x 1/2"	76.1 x 21.3	4" x 1-1/4"	108 x 42.4	5" x 1-1/2"	139.7 x 48.3	6" x 1"	168.3 x 33.7		
2-1/2" x 3/4"	76.1 x 26.9	4" x 1-1/2"	108 x 48.3	5" x 2"	139.7 x 60.3	6" x 1-1/4"	168.3 x 42.4		

Mechanical Cross, Grooved Outlet

TN-MX-02



Clamp-on cross with grooved outlets.

- **Materials:** Ductile iron or carbon steel; painted or hot-dip galvanized
- **Sizes:** 41 sizes (see table). Sizes 1" to 24"; larger sizes on request.
- **Approvals:** See Quality & Approvals

Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)
2" x 1"	60.3 x 33.7	3" x 1"	88.9 x 33.7	4" x 2"	114.3 x 60.3	6" x 3"	165.1 x 88.9	8" x 2"	219.1 x 60.3
2" x 1-1/4"	60.3 x 42.4	3" x 1-1/4"	88.9 x 42.4	4" x 2-1/2"	114.3 x 73	6" x 4"	165.1 x 114.3	8" x 2-1/2"	219.1 x 73
2" x 1-1/2"	60.3 x 48.3	3" x 1-1/2"	88.9 x 48.3	4" x 2-1/2"	114.3 x 76.1	6" x 1-1/4"	168.3 x 42.4	8" x 2-1/2"	219.1 x 76.1
2-1/2" x 1"	73 x 33.7	3" x 2"	88.9 x 60.3	4" x 3"	114.3 x 88.9	6" x 1-1/2"	168.3 x 48.3	8" x 3"	219.1 x 88.9
2-1/2" x 1-1/4"	73 x 42.4	3" x 2-1/2"	88.9 x 73	5" x 2"	139.7 x 60.3	6" x 2"	168.3 x 60.3	8" x 4"	219.1 x 114.3
2-1/2" x 1-1/2"	73 x 48.3	3" x 2-1/2"	88.9 x 76.1	5" x 2-1/2"	139.7 x 76.1	6" x 2-1/2"	168.3 x 73		
2-1/2" x 1"	76.1 x 33.7	4" x 1"	114.3 x 33.7	5" x 3"	139.7 x 88.9	6" x 2-1/2"	168.3 x 76.1		
2-1/2" x 1-1/4"	76.1 x 42.4	4" x 1-1/4"	114.3 x 42.4	6" x 2"	165.1 x 60.3	6" x 3"	168.3 x 88.9		
2-1/2" x 1-1/2"	76.1 x 48.3	4" x 1-1/2"	114.3 x 48.3	6" x 2-1/2"	165.1 x 76.1	6" x 4"	168.3 x 114.3		

TRUE NORTH™ BRAND

Flanges & Flange Adapters

Grooved-to-flanged transitions, PN16 and Class 150.

Sizes 1" to 24"; larger sizes on request.

Materials we can supply: Ductile iron or carbon steel; painted or hot-dip galvanized.

For grooved pipe to AWWA C606 groove dimensions; ductile iron to ASTM A536 Grade 65-45-12 or carbon steel.

Working pressure 300 psi (2.07 MPa) maximum CWP; coupling dimensions in the data sheets.

Weights: contact us for details.



Grooved Flange, PN16

TN-GF-16



Grooved flange with PN16 flange drilling. PN16 is the flange drilling class, not a working-pressure rating.

- **Materials:** Ductile iron or carbon steel; painted or hot-dip galvanized
- **Sizes:** 11 sizes (see table). Sizes 1" to 24"; larger sizes on request.
- **Approvals:** See Quality & Approvals

Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)
2"	60.3	3"	88.9	6"	165.1	10"	273
2-1/2"	73	4"	114.3	6"	168.3	12"	323.9
2-1/2"	76.1	5"	139.7	8"	219.1		

Split Flange, PN16

TN-SF-16



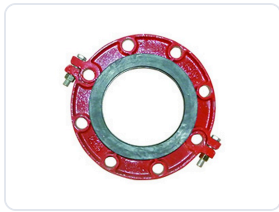
Two-piece grooved flange for connecting grooved pipe to PN16-drilled flanges; installs without removing pipe.

- **Materials:** Ductile iron or carbon steel; painted or hot-dip galvanized
- **Sizes:** 14 sizes (see table). Sizes 1" to 24"; larger sizes on request.
- **Approvals:** See Quality & Approvals

Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)
1-1/2"	48.3	4"	108	6"	159	10"	273
2"	60.3	4"	114.3	6"	165.1	12"	323.9
2-1/2"	76.1	5"	133	6"	168.3		
3"	88.9	5"	139.7	8"	219.1		

Split Flange, Class 150

TN-SF-150



Two-piece grooved flange for connecting grooved pipe to ASME B16.5 Class 150 flanges; installs without removing pipe.

- **Materials:** Ductile iron or carbon steel; painted or hot-dip galvanized
- **Sizes:** 9 sizes (see table). Sizes 1" to 24"; larger sizes on request.
- **Approvals:** See Quality & Approvals

Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)
2"	60.3	4"	114.3	8"	219.1
2-1/2"	73	5"	141.3	10"	273
3"	88.9	6"	168.3	12"	323.9

Grooved Flange, Class 150

TN-GF-150



Grooved flange to ASME B16.5 Class 150 drilling.

- **Materials:** Ductile iron or carbon steel; painted or hot-dip galvanized
- **Sizes:** 9 sizes (see table). Sizes 1" to 24"; larger sizes on request.
- **Approvals:** See Quality & Approvals

Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)
2"	60.3	4"	114.3	8"	219.1
2-1/2"	73	5"	141.3	10"	273
3"	88.9	6"	168.3	12"	323.9

Flange Adapter, PN16

TN-FA-16



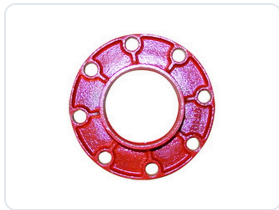
Grooved-to-flanged transition, PN16 drilling.

- **Materials:** Ductile iron or carbon steel; painted or hot-dip galvanized
- **Sizes:** 12 sizes (see table). Sizes 1" to 24"; larger sizes on request.
- **Approvals:** See Quality & Approvals

Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)
2"	60.3	3"	88.9	5"	139.7	8"	219.1
2-1/2"	73	4"	114.3	6"	165.1	10"	273
2-1/2"	76.1	5"	133	6"	168.3	12"	323.9

Flange Adapter, Class 150

TN-FA-150



Grooved-to-flanged transition, ASME B16.5 Class 150 drilling.

- **Materials:** Ductile iron or carbon steel; painted or hot-dip galvanized
- **Sizes:** 9 sizes (see table). Sizes 1" to 24"; larger sizes on request.
- **Approvals:** See Quality & Approvals

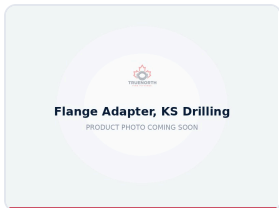
Size (in)	OD (mm)
2"	60.3
2-1/2"	73
2-1/2"	76.1

Size (in)	OD (mm)
3"	88.9
4"	114.3
5"	141.3

Size (in)	OD (mm)
6"	165.1
6"	168.3
8"	219.1

Flange Adapter, KS Drilling

TN-FA-KS



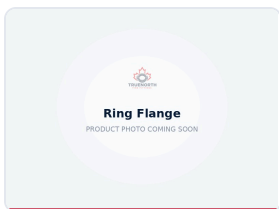
Grooved flange adapter drilled to KS (Korean Standard) flange dimensions.

- **Materials:** Ductile iron or carbon steel; painted or hot-dip galvanized
- **Sizes:** 1" to 24"; size list on request. Sizes 1" to 24"; larger sizes on request.
- **Approvals:** See Quality & Approvals

Size list available on request. Sizes 1" to 24" (DN25 to DN600); larger sizes on request. Contact us for details.

Ring Flange

TN-RF-01



Grooved ring flange for flanged connections to valves and equipment.

- **Materials:** Ductile iron or carbon steel; painted or hot-dip galvanized
- **Sizes:** 1" to 24"; size list on request. Sizes 1" to 24"; larger sizes on request.
- **Approvals:** See Quality & Approvals

Size list available on request. Sizes 1" to 24" (DN25 to DN600); larger sizes on request. Contact us for details.

TRUE NORTH™ BRAND

Elbows

Grooved-end changes of direction from 11.25° to 90°.

Sizes 1" to 24"; larger sizes on request.

Materials we can supply: Ductile iron or segmentally welded carbon steel; painted or hot-dip galvanized.

For grooved pipe to AWWA C606 groove dimensions; ductile iron to ASTM A536 Grade 65-45-12 or carbon steel.

Working pressure 300 psi (2.07 MPa) maximum CWP; coupling dimensions in the data sheets.

Weights: contact us for details.



90° Elbow, Short Radius

TN-EL90-S



Compact grooved 90° elbow.

- **Materials:** Ductile iron or segmentally welded carbon steel; painted or hot-dip galvanized
- **Sizes:** 18 sizes (see table). Sizes 1" to 24"; larger sizes on request.
- **Approvals:** See Quality & Approvals

Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)
1"	33.7	2-1/2"	76.1	5"	139.7	8"	219.1
1-1/4"	42.4	3"	88.9	5"	141.3	10"	273
1-1/2"	48.3	4"	108	6"	159	12"	323.9
2"	60.3	4"	114.3	6"	165.1		
2-1/2"	73	5"	133	6"	168.3		

90° Elbow, Long Radius

TN-EL90-L



Long-radius grooved 90° elbow.

- **Materials:** Ductile iron or segmentally welded carbon steel; painted or hot-dip galvanized
- **Sizes:** 13 sizes (see table). Sizes 1" to 24"; larger sizes on request.
- **Approvals:** See Quality & Approvals

Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)
1"	33.7	2-1/2"	73	5"	139.7	8"	219.1
1-1/4"	42.4	2-1/2"	76.1	5"	141.3		
1-1/2"	48.3	3"	88.9	6"	165.1		
2"	60.3	4"	114.3	6"	168.3		

90° Reducing Elbow, Threaded

TN-EL90-RT



90° elbow with grooved inlet and reduced threaded outlet.

- **Materials:** Ductile iron or segmentally welded carbon steel; painted or hot-dip galvanized
- **Sizes:** 6 sizes (see table). Sizes 1" to 24"; larger sizes on request.
- **Approvals:** See Quality & Approvals

Size (in)	OD (mm)	Size (in)	OD (mm)
1-1/2" x 1/2"	48.3 x 21.3	2" x 1/2"	60.3 x 21.3
1-1/2" x 3/4"	48.3 x 26.9	2" x 3/4"	60.3 x 26.9
1-1/2" x 1"	48.3 x 33.7	2" x 1"	60.3 x 33.7

45° Elbow

TN-EL45



Grooved-end 45° change of direction.

- **Materials:** Ductile iron or segmentally welded carbon steel; painted or hot-dip galvanized
- **Sizes:** 17 sizes (see table). Sizes 1" to 24"; larger sizes on request.
- **Approvals:** See Quality & Approvals

Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)
1"	33.7	2-1/2"	76.1	5"	139.7	8"	219.1
1-1/4"	42.4	3"	88.9	5"	141.3	10"	273
1-1/2"	48.3	4"	108	6"	159		
2"	60.3	4"	114.3	6"	165.1		
2-1/2"	73	5"	133	6"	168.3		

22.5° Elbow

TN-EL22



Grooved-end 22.5° change of direction.

- **Materials:** Ductile iron or segmentally welded carbon steel; painted or hot-dip galvanized
- **Sizes:** 9 sizes (see table). Sizes 1" to 24"; larger sizes on request.
- **Approvals:** See Quality & Approvals

Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)
2"	60.3	3"	88.9	6"	165.1
2-1/2"	73	4"	108	6"	168.3
2-1/2"	76.1	4"	114.3	8"	219.1

11.25° Elbow

TN-EL11



Grooved-end 11.25° change of direction.

- **Materials:** Ductile iron or segmentally welded carbon steel; painted or hot-dip galvanized
- **Sizes:** 7 sizes (see table). Sizes 1" to 24"; larger sizes on request.
- **Approvals:** See Quality & Approvals

Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)
2"	60.3	2-1/2"	76.1	4"	114.3	6"	168.3
2-1/2"	73	4"	108	6"	165.1		

TRUE NORTH™ BRAND

Tees & Crosses

Grooved equal, reducing and four-way fittings.

Sizes 1" to 24"; larger sizes on request.

Materials we can supply: Ductile iron or segmentally welded carbon steel; painted or hot-dip galvanized.

For grooved pipe to AWWA C606 groove dimensions; ductile iron to ASTM A536 Grade 65-45-12 or carbon steel.

Working pressure 300 psi (2.07 MPa) maximum CWP; coupling dimensions in the data sheets.

Weights: contact us for details.



Equal Tee, Short Radius

TN-TE-S



Compact grooved equal tee.

- **Materials:** Ductile iron or segmentally welded carbon steel; painted or hot-dip galvanized
- **Sizes:** 17 sizes (see table). Sizes 1" to 24"; larger sizes on request.
- **Approvals:** See Quality & Approvals

Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)
1"	33.7	2-1/2"	76.1	5"	139.7	8"	219.1
1-1/4"	42.4	3"	88.9	5"	141.3	10"	273
1-1/2"	48.3	4"	108	6"	159		
2"	60.3	4"	114.3	6"	165.1		
2-1/2"	73	133"	133	6"	168.3		

Equal Tee, Long Radius

TN-TE-L



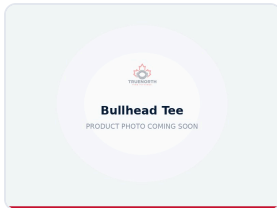
Long-radius grooved equal tee.

- **Materials:** Ductile iron or segmentally welded carbon steel; painted or hot-dip galvanized
- **Sizes:** 9 sizes (see table). Sizes 1" to 24"; larger sizes on request.
- **Approvals:** See Quality & Approvals

Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)
1"	33.7	2"	60.3	4"	114.3
1-1/4"	42.4	2-1/2"	73	6"	168.3
1-1/2"	48.3	3"	88.9	8"	219.1

Bullhead Tee

TN-TE-BH



Grooved tee with a branch larger than the run, for bullhead connections.

- **Materials:** Ductile iron or segmentally welded carbon steel; painted or hot-dip galvanized
- **Sizes:** 1" to 24"; size list on request. Sizes 1" to 24"; larger sizes on request.
- **Approvals:** See Quality & Approvals

Size list available on request. Sizes 1" to 24" (DN25 to DN600); larger sizes on request. Contact us for details.

Reducing Tee, Grooved

TN-RT-G



Grooved tee with reduced grooved branch.

- **Materials:** Ductile iron or segmentally welded carbon steel; painted or hot-dip galvanized
- **Sizes:** 52 sizes (see table). Sizes 1" to 24"; larger sizes on request.
- **Approvals:** See Quality & Approvals

Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)
1-1/4" x 1"	42.4 x 33.7	2-1/2" x 1-1/4"	76.1 x 42.4	4" x 2"	114.3 x 60.3	159" x 2-1/2"	159 x 76.1	6" x 4"	168.3 x 114.3
1-1/2" x 1"	48.3 x 33.7	2-1/2" x 1-1/2"	76.1 x 48.3	4" x 2-1/2"	114.3 x 73	159" x 4"	159 x 108	6" x 5"	168.3 x 141.3
1-1/2" x 1-1/4"	48.3 x 42.4	2-1/2" x 2"	76.1 x 60.3	4" x 2-1/2"	114.3 x 76.1	6" x 2"	165.1 x 60.3	8" x 3"	219.1 x 88.9
2" x 1"	60.3 x 33.7	3" x 1"	88.9 x 33.7	4" x 3"	114.3 x 88.9	6" x 2-1/2"	165.1 x 76.1	8" x 4"	219.1 x 114.3
2" x 1-1/4"	60.3 x 42.4	3" x 1-1/4"	88.9 x 42.4	5" x 2-1/2"	133 x 76.1	6" x 3"	165.1 x 88.9	8" x 5"	219.1 x 141.3
2" x 1-1/2"	60.3 x 48.3	3" x 1-1/2"	88.9 x 48.3	5" x 2-1/2"	139.7 x 76.1	6" x 4"	165.1 x 114.3	8" x 6"	219.1 x 159
2-1/2" x 1"	73 x 33.7	3" x 2"	88.9 x 60.3	5" x 3"	139.7 x 88.9	6"	165.1 x 139.7	8"	219.1 x 165.1
2-1/2" x 1-1/4"	73 x 42.4	3" x 2-1/2"	88.9 x 73	5" x 4"	139.7 x 114.3	6" x 2"	168.3 x 60.3	8" x 6"	219.1 x 168.3
2-1/2" x 1-1/2"	73 x 48.3	3" x 2-1/2"	88.9 x 76.1	5" x 2-1/2"	141.3 x 73	6" x 2-1/2"	168.3 x 73		
2-1/2" x 2"	73 x 60.3	4" x 2"	108 x 60.3	5" x 3"	141.3 x 88.9	6" x 2-1/2"	168.3 x 76.1		
2-1/2" x 1"	76.1 x 33.7	4" x 2-1/2"	108 x 76.1	5" x 4"	141.3 x 114.3	6" x 3"	168.3 x 88.9		

Reducing Tee, Threaded Branch

TN-RT-T



Grooved run with reduced threaded branch.

- **Materials:** Ductile iron or segmentally welded carbon steel; painted or hot-dip galvanized
- **Sizes:** 45 sizes (see table). Sizes 1" to 24"; larger sizes on request.
- **Approvals:** See Quality & Approvals

Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)
1-1/4" x 1"	42.4 x 33.7	2-1/2" x 1"	76.1 x 33.7	108" x 1"	108 x 33.7	4" x 2-1/2"	114.3 x 73	6" x 1-1/2"	165.1 x 48.3
1-1/2" x 1"	48.3 x 33.7	2-1/2" x 1-1/4"	76.1 x 42.4	108" x 1-1/4"	108 x 42.4	4" x 2-1/2"	114.3 x 76.1	6" x 2"	165.1 x 60.3
2" x 1"	60.3 x 33.7	2-1/2" x 1-1/2"	76.1 x 48.3	108" x 1-1/2"	108 x 48.3	4" x 3"	114.3 x 88.9	6" x 2-1/2"	165.1 x 76.1
2" x 1-1/4"	60.3 x 42.4	2-1/2" x 2"	76.1 x 60.3	108" x 2"	108 x 60.3	5" x 1"	139.7 x 33.7	6" x 3"	165.1 x 88.9
2" x 1-1/2"	60.3 x 48.3	3" x 1"	88.9 x 33.7	108" x 2-1/2"	108 x 76.1	5" x 1-1/4"	139.7 x 42.4	6" x 1"	168.3 x 33.7
2-1/2" x 1"	73 x 33.7	3" x 1-1/4"	88.9 x 42.4	4" x 1"	114.3 x 33.7	5" x 1-1/2"	139.7 x 48.3	6" x 1-1/4"	168.3 x 42.4
2-1/2" x 1-1/4"	73 x 42.4	3" x 1-1/2"	88.9 x 48.3	4" x 1-1/4"	114.3 x 42.4	5" x 2"	139.7 x 60.3	6" x 1-1/2"	168.3 x 48.3
2-1/2" x 1-1/2"	73 x 48.3	3" x 2"	88.9 x 60.3	4" x 1-1/2"	114.3 x 48.3	6" x 1"	165.1 x 33.7	6" x 2"	168.3 x 60.3
2-1/2" x 2"	73 x 60.3	3" x 2-1/2"	88.9 x 76.1	4" x 2"	114.3 x 60.3	6" x 1-1/4"	165.1 x 42.4	6" x 2-1/2"	168.3 x 73

Grooved Cross

TN-CR-01



Four-way grooved fitting.

- **Materials:** Ductile iron or segmentally welded carbon steel; painted or hot-dip galvanized
- **Sizes:** 9 sizes (see table). Sizes 1" to 24"; larger sizes on request.
- **Approvals:** See Quality & Approvals

Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)
2"	60.3	3"	88.9	6"	165.1
2-1/2"	73	4"	114.3	6"	168.3
2-1/2"	76.1	6"	159	8"	219.1

Grooved Reducing Cross

TN-CR-R



Four-way grooved fitting with reduced branches.

- **Materials:** Ductile iron or segmentally welded carbon steel; painted or hot-dip galvanized
- **Sizes:** 5 sizes (see table). Sizes 1" to 24"; larger sizes on request.
- **Approvals:** See Quality & Approvals

Size (in)	OD (mm)	Size (in)	OD (mm)
2-1/2" x 2"	76.1 x 60.3	6" x 3"	168.3 x 88.9
4" x 3"	114.3 x 88.9	6" x 4"	168.3 x 114.3
6" x 4"	165.1 x 114.3		

Reducing Cross, Threaded Branches

TN-CR-RT



Four-way fitting with grooved run and reduced threaded branches.

- **Materials:** Ductile iron or segmentally welded carbon steel; painted or hot-dip galvanized
- **Sizes:** 1" to 24"; size list on request. Sizes 1" to 24"; larger sizes on request.
- **Approvals:** See Quality & Approvals

Size list available on request. Sizes 1" to 24" (DN25 to DN600); larger sizes on request. Contact us for details.

Grooved Lateral (45° Wye)

TN-LT-01



45° grooved lateral for branch connections at an angle to the run.

- **Materials:** Ductile iron or segmentally welded carbon steel; painted or hot-dip galvanized
- **Sizes:** 1" to 24"; size list on request. Sizes 1" to 24"; larger sizes on request.
- **Approvals:** See Quality & Approvals

Size list available on request. Sizes 1" to 24" (DN25 to DN600); larger sizes on request. Contact us for details.

TRUE NORTH™ BRAND

Reducers & Caps

Size changes and line terminations.

Sizes 1" to 24"; larger sizes on request.

Materials we can supply: Ductile iron or segmentally welded carbon steel; painted or hot-dip galvanized.

For grooved pipe to AWWA C606 groove dimensions; ductile iron to ASTM A536 Grade 65-45-12 or carbon steel.

Working pressure 300 psi (2.07 MPa) maximum CWP; coupling dimensions in the data sheets.

Weights: contact us for details.



Concentric Reducer, Grooved

TN-CRD-G



Joins grooved pipe of two sizes.

- **Materials:** Ductile iron or segmentally welded carbon steel; painted or hot-dip galvanized
- **Sizes:** 63 sizes (see table). Sizes 1" to 24"; larger sizes on request.
- **Approvals:** See Quality & Approvals

Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)
1-1/4" x 1"	42.4 x 33.7	2-1/2" x 2"	76.1 x 60.3	4" x 1-1/4"	114.3 x 42.4	6" x 2"	165.1 x 60.3	8" x 2-1/2"	219.1 x 73
1-1/2" x 1"	48.3 x 33.7	3" x 1"	88.9 x 33.7	4" x 1-1/2"	114.3 x 48.3	6" x 2-1/2"	165.1 x 76.1	8" x 3"	219.1 x 88.9
1-1/2" x 1-1/4"	48.3 x 42.4	3" x 1-1/4"	88.9 x 42.4	4" x 2"	114.3 x 60.3	6" x 3"	165.1 x 88.9	8" x 4"	219.1 x 114.3
2" x 1"	60.3 x 33.7	3" x 1-1/2"	88.9 x 48.3	4" x 2-1/2"	114.3 x 73	6" x 4"	165.1 x 114.3	8" x 5"	219.1 x 141.3
2" x 1-1/4"	60.3 x 42.4	3" x 2"	88.9 x 60.3	4" x 2-1/2"	114.3 x 76.1	6"	165.1 x 139.7	8" x 6"	219.1 x 159
2" x 1-1/2"	60.3 x 48.3	3" x 2-1/2"	88.9 x 73	4" x 3"	114.3 x 88.9	6" x 2"	168.3 x 60.3	8"	219.1 x 165.1
2-1/2" x 1"	73 x 33.7	3" x 2-1/2"	88.9 x 76.1	5" x 2"	139.7 x 60.3	6" x 2-1/2"	168.3 x 73	8" x 6"	219.1 x 168.3
2-1/2" x 1-1/4"	73 x 42.4	108" x 1-1/4"	108 x 42.4	5" x 2-1/2"	139.7 x 76.1	6" x 2-1/2"	168.3 x 76.1	10" x 4"	273 x 114.3
2-1/2" x 1-1/2"	73 x 48.3	108" x 1-1/2"	108 x 48.3	5" x 3"	139.7 x 88.9	6" x 3"	168.3 x 88.9	10"	273 x 165.1
2-1/2" x 2"	73 x 60.3	108" x 2"	108 x 60.3	5" x 4"	139.7 x 114.3	6" x 4"	168.3 x 114.3	10" x 6"	273 x 168.3
2-1/2" x 1"	76.1 x 33.7	108" x 2-1/2"	108 x 76.1	5" x 2-1/2"	141.3 x 73	6"	168.3 x 139.7	10" x 8"	273 x 219.1
2-1/2" x 1-1/4"	76.1 x 42.4	108" x 3"	108 x 88.9	5" x 3"	141.3 x 88.9	6" x 5"	168.3 x 141.3		
2-1/2" x 1-1/2"	76.1 x 48.3	4" x 1"	114.3 x 33.7	5" x 4"	141.3 x 114.3	8" x 2"	219.1 x 60.3		

Eccentric Reducer, Grooved

TN-ERD-G



Joins grooved pipe of two sizes, with one side kept flat.

- **Materials:** Ductile iron or segmentally welded carbon steel; painted or hot-dip galvanized
- **Sizes:** 54 sizes (see table). Sizes 1" to 24"; larger sizes on request.
- **Approvals:** See Quality & Approvals

Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)
1-1/4" x 1"	42.4 x 33.7	2-1/2" x 1-1/2"	76.1 x 48.3	4" x 2-1/2"	114.3 x 76.1	6" x 5"	159 x 133	6"	168.3 x 139.7
1-1/2" x 1"	48.3 x 33.7	2-1/2" x 2"	76.1 x 60.3	4" x 3"	114.3 x 88.9	6"	159 x 139.7	8" x 2"	219.1 x 60.3
1-1/2" x 1-1/4"	48.3 x 42.4	3" x 1-1/4"	88.9 x 42.4	5" x 2"	139.7 x 60.3	6" x 2"	165.1 x 60.3	8" x 2-1/2"	219.1 x 76.1
2" x 1"	60.3 x 33.7	3" x 1-1/2"	88.9 x 48.3	5" x 2-1/2"	139.7 x 76.1	6" x 2-1/2"	165.1 x 76.1	8" x 3"	219.1 x 88.9
2" x 1-1/4"	60.3 x 42.4	3" x 2"	88.9 x 60.3	5" x 3"	139.7 x 88.9	6" x 3"	165.1 x 88.9	8" x 4"	219.1 x 108
2" x 1-1/2"	60.3 x 48.3	3" x 2-1/2"	88.9 x 76.1	5" x 4"	139.7 x 114.3	6" x 4"	165.1 x 114.3	8" x 4"	219.1 x 114.3
2-1/2" x 1"	73 x 33.7	4" x 2-1/2"	108 x 76.1	6" x 2"	159 x 60.3	6"	165.1 x 139.7	8"	219.1 x 139.7
2-1/2" x 1-1/4"	73 x 42.4	4" x 3"	108 x 88.9	6" x 2-1/2"	159 x 76.1	6" x 2"	168.3 x 60.3	8" x 6"	219.1 x 159
2-1/2" x 1-1/2"	73 x 48.3	4" x 1-1/4"	114.3 x 42.4	6" x 3"	159 x 88.9	6" x 2-1/2"	168.3 x 76.1	8"	219.1 x 165.1
2-1/2" x 2"	73 x 60.3	4" x 1-1/2"	114.3 x 48.3	6" x 4"	159 x 108	6" x 3"	168.3 x 88.9	8" x 6"	219.1 x 168.3
2-1/2" x 1-1/4"	76.1 x 42.4	4" x 2"	114.3 x 60.3	6" x 4"	159 x 114.3	6" x 4"	168.3 x 114.3		

Concentric Reducer, Threaded

TN-CRD-T



Grooved inlet with reduced threaded outlet.

- **Materials:** Ductile iron or segmentally welded carbon steel; painted or hot-dip galvanized
- **Sizes:** 41 sizes (see table). Sizes 1" to 24"; larger sizes on request.
- **Approvals:** See Quality & Approvals

Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)
1-1/4" x 1"	42.4 x 33.7	2-1/2" x 2"	73 x 60.3	3" x 2-1/2"	88.9 x 73	5" x 1"	139.7 x 33.7	6" x 3"	165.1 x 88.9
1-1/2" x 1"	48.3 x 33.7	2-1/2" x 1"	76.1 x 33.7	3" x 2-1/2"	88.9 x 76.1	5" x 1-1/4"	139.7 x 42.4	6" x 1"	168.3 x 33.7
1-1/2" x 1-1/4"	48.3 x 42.4	2-1/2" x 1-1/4"	76.1 x 42.4	4" x 1"	114.3 x 33.7	5" x 1-1/2"	139.7 x 48.3	6" x 1-1/4"	168.3 x 42.4
2" x 1"	60.3 x 33.7	2-1/2" x 1-1/2"	76.1 x 48.3	4" x 1-1/4"	114.3 x 42.4	5" x 2"	139.7 x 60.3	6" x 1-1/2"	168.3 x 48.3
2" x 1-1/4"	60.3 x 42.4	2-1/2" x 2"	76.1 x 60.3	4" x 1-1/2"	114.3 x 48.3	6" x 1"	165.1 x 33.7	6" x 2"	168.3 x 60.3
2" x 1-1/2"	60.3 x 48.3	3" x 1"	88.9 x 33.7	4" x 2"	114.3 x 60.3	6" x 1-1/4"	165.1 x 42.4		
2-1/2" x 1"	73 x 33.7	3" x 1-1/4"	88.9 x 42.4	4" x 2-1/2"	114.3 x 73	6" x 1-1/2"	165.1 x 48.3		
2-1/2" x 1-1/4"	73 x 42.4	3" x 1-1/2"	88.9 x 48.3	4" x 2-1/2"	114.3 x 76.1	6" x 2"	165.1 x 60.3		
2-1/2" x 1-1/2"	73 x 48.3	3" x 2"	88.9 x 60.3	4" x 3"	114.3 x 88.9	6" x 2-1/2"	165.1 x 76.1		

Eccentric Reducer, Threaded

TN-ERD-T



Grooved inlet with offset reduced threaded outlet.

- **Materials:** Ductile iron or segmentally welded carbon steel; painted or hot-dip galvanized
- **Sizes:** 54 sizes (see table). Sizes 1" to 24"; larger sizes on request.
- **Approvals:** See Quality & Approvals

Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)
1-1/4" x 1"	42.4 x 33.7	2-1/2" x 1-1/2"	76.1 x 48.3	4" x 2-1/2"	114.3 x 76.1	6" x 5"	159 x 133	6"	168.3 x 139.7
1-1/2" x 1"	48.3 x 33.7	2-1/2" x 2"	76.1 x 60.3	4" x 3"	114.3 x 88.9	6"	159 x 139.7	8" x 2"	219.1 x 60.3
1-1/2" x 1-1/4"	48.3 x 42.4	3" x 1-1/4"	88.9 x 42.4	5" x 2"	139.7 x 60.3	6" x 2"	165.1 x 60.3	8" x 2-1/2"	219.1 x 76.1
2" x 1"	60.3 x 33.7	3" x 1-1/2"	88.9 x 48.3	5" x 2-1/2"	139.7 x 76.1	6" x 2-1/2"	165.1 x 76.1	8" x 3"	219.1 x 88.9
2" x 1-1/4"	60.3 x 42.4	3" x 2"	88.9 x 60.3	5" x 3"	139.7 x 88.9	6" x 3"	165.1 x 88.9	8" x 4"	219.1 x 108
2" x 1-1/2"	60.3 x 48.3	3" x 2-1/2"	88.9 x 76.1	5" x 4"	139.7 x 114.3	6" x 4"	165.1 x 114.3	8" x 4"	219.1 x 114.3
2-1/2" x 1"	73 x 33.7	4" x 2-1/2"	108 x 76.1	6" x 2"	159 x 60.3	6"	165.1 x 139.7	8"	219.1 x 139.7
2-1/2" x 1-1/4"	73 x 42.4	4" x 3"	108 x 88.9	6" x 2-1/2"	159 x 76.1	6" x 2"	168.3 x 60.3	8" x 6"	219.1 x 159
2-1/2" x 1-1/2"	73 x 48.3	4" x 1-1/4"	114.3 x 42.4	6" x 3"	159 x 88.9	6" x 2-1/2"	168.3 x 76.1	8"	219.1 x 165.1
2-1/2" x 2"	73 x 60.3	4" x 1-1/2"	114.3 x 48.3	6" x 4"	159 x 108	6" x 3"	168.3 x 88.9	8" x 6"	219.1 x 168.3
2-1/2" x 1-1/4"	76.1 x 42.4	4" x 2"	114.3 x 60.3	6" x 4"	159 x 114.3	6" x 4"	168.3 x 114.3		

End Cap

TN-CAP-01



Closes the end of a grooved line.

- **Materials:** Ductile iron or segmentally welded carbon steel; painted or hot-dip galvanized
- **Sizes:** 17 sizes (see table). Sizes 1" to 24"; larger sizes on request.
- **Approvals:** See Quality & Approvals

Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)
1"	33.7	2-1/2"	76.1	5"	139.7	8"	219.1
1-1/4"	42.4	3"	88.9	5"	141.3	10"	273
1-1/2"	48.3	4"	108	6"	159		
2"	60.3	4"	114.3	6"	165.1		
2-1/2"	73	5"	133	6"	168.3		

End Cap, Concentric Hole

TN-CAP-CH



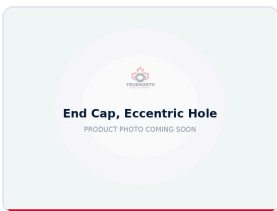
Grooved end cap with a centred threaded outlet.

- **Materials:** Ductile iron or segmentally welded carbon steel; painted or hot-dip galvanized
- **Sizes:** 14 sizes (see table). Sizes 1" to 24"; larger sizes on request.
- **Approvals:** See Quality & Approvals

Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)
2" x 1"	60.3 × 33.7	4" x 1"	108 × 33.7	5" x 1"	141.3 × 33.7	8" x 1"	219.1 × 33.7
2-1/2" x 1"	73 × 33.7	4" x 1"	114.3 × 33.7	6" x 1"	159 × 33.7	10" x 1"	273 × 33.7
2-1/2" x 1"	76.1 × 33.7	5" x 1"	133 × 33.7	6" x 1"	165.1 × 33.7		
3" x 1"	88.9 × 33.7	5" x 1"	139.7 × 33.7	6" x 1"	168.3 × 33.7		

End Cap, Eccentric Hole

TN-CAP-EH



Grooved end cap with an off-centre threaded outlet, for drains and large reductions.

- **Materials:** Ductile iron or segmentally welded carbon steel; painted or hot-dip galvanized
- **Sizes:** 14 sizes (see table). Sizes 1" to 24"; larger sizes on request.
- **Approvals:** See Quality & Approvals

Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)	Size (in)	OD (mm)
2" x 1"	60.3 × 33.7	4" x 1"	108 × 33.7	5" x 1"	141.3 × 33.7	8" x 1"	219.1 × 33.7
2-1/2" x 1"	73 × 33.7	4" x 1"	114.3 × 33.7	6" x 1"	159 × 33.7	10" x 1"	273 × 33.7
2-1/2" x 1"	76.1 × 33.7	5" x 1"	133 × 33.7	6" x 1"	165.1 × 33.7		
3" x 1"	88.9 × 33.7	5" x 1"	139.7 × 33.7	6" x 1"	168.3 × 33.7		

UL / FM AVAILABLE

Pipe Hangers & Supports

Standard hanger and support types. UL Listed and FM Approved, available on request.

Clevis, ring, J and heavy-duty hangers from 1/2" to 36" (by type); larger sizes available on request.

Materials we can supply: Carbon steel: plain, zinc-plated, hot-dip galvanized or epoxy coated; Stainless steel (304) in smaller sizes, by request.



Types we can supply

UL Listed and FM Approved pipe hangers and supports: the full range of standard hanger and support types for sprinkler and building-services piping. UL Listed and FM Approved grooved fittings, couplings and accessories supplied to project specification. Sizes and finishes by request; size list on request.

UL / FM AVAILABLE

Pipe Clamps

Clamps for pipe to strut, beams and structure. UL Listed and FM Approved, available on request.

Pipe clamps from 1/2" to 42" (by type); larger sizes available on request.

Materials we can supply: Carbon steel: plain, hot-dip galvanized, epoxy coated or painted.



Types we can supply

UL Listed and FM Approved pipe clamps for securing and supporting pipe to strut, beams and structure. UL Listed and FM Approved grooved fittings, couplings and accessories supplied to project specification. Sizes and finishes by request; size list on request.

UL / FM AVAILABLE

Steel Sprinkler Pipe

Black and galvanized sprinkler pipe. UL Listed and FM Approved, available on request.

Sizes: Sch 10 1-1/4" to 12", Sch 40 1" to 12"; larger sizes on request. 21 ft (6.4 m) lengths; 24 ft on request.

Materials we can supply: Carbon steel, Schedule 10 and Schedule 40; Black, red-painted (primer) or galvanized; Grooved, threaded or plain ends.



Types we can supply

Steel pipe to ASTM A53 / A795 / A135, made for NFPA 13 sprinkler systems, in black, red-painted (primer) or galvanized finish. UL Listed and FM Approved grooved fittings, couplings and accessories supplied to project specification. Sizes and finishes by request; size list on request.

PRODUCT GALLERY

Product gallery

Real photos of products we supply. Supplied to project requirements.



Galvanized clevis hangers



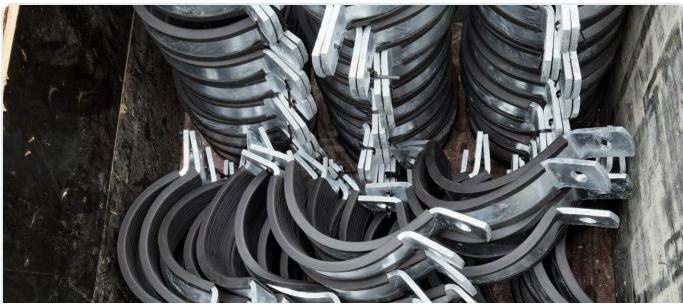
Galvanized band hangers



Galvanized ring hangers



Lined split-ring clamps



Lined pipe clamps



Lined U-clamps



Steel pipe fittings



Steel pipe



Need pricing or a submittal package?

Send your bill of materials. We reply with pricing, lead times and documentation. Grooved couplings and fittings are available in sizes 1" to 24" (DN25 to DN600), with larger sizes on request. Special materials, pipe clamps, hangers and sprinkler pipe are also available on request.

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Credit terms

Up to 90 days for approved customers, subject to credit approval.

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