



PRODUCT DATA SHEETS · ISSUE: OCTOBER 2026

Flanges & Mechanical Tees Data Sheets

Grooved flanges, split flanges, flange adapters, mechanical tees and crosses. Product data sheets for True North™ grooved couplings and fittings for fire protection. Sizes 1" to 24" (DN25 to DN600); larger sizes on request. UL Listed and FM Approved grooved fittings, couplings and accessories supplied to project specification.

CONTENTS

TN-GF-16 Grooved Flange, PN16	2	TN-RF-01 Ring Flange	9
TN-SF-16 Split Flange, PN16	3	TN-MT-01 Mechanical Tee, Threaded Outlet	10
TN-SF-150 Split Flange, Class 150	4	TN-MT-02 Mechanical Tee, Grooved Outlet	11
TN-GF-150 Grooved Flange, Class 150	5	TN-MT-03 U-Bolt Mechanical Tee	12
TN-FA-16 Flange Adapter, PN16	6	TN-MX-01 Mechanical Cross, Threaded Outlet	13
TN-FA-150 Flange Adapter, Class 150	7	TN-MX-02 Mechanical Cross, Grooved Outlet	14
TN-FA-KS Flange Adapter, KS Drilling	8		

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.

FLANGES & FLANGE ADAPTERS · PRODUCT DATA SHEET

Grooved Flange, PN16

Model TN-GF-16

Our own True North™ brand · Canadian brand



Product photo for illustration.

Installation

Install in accordance with NFPA 13, the project specifications and the authority having jurisdiction. See the True North™ Installation Guide.

Documentation

Material certificates and test reports on request.
Weights and full dimensional drawings: contact us for details.

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

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

Model no.	TN-GF-16
Materials we can supply	Ductile iron or carbon steel; painted or hot-dip galvanized
Size range	Sizes 1" to 24"; larger sizes on request.
Standards	For grooved pipe to AWWA C606 groove dimensions; ductile iron to ASTM A536 Grade 65-45-12 or carbon steel.
Flange drilling	PN16 drilling (flange drilling class, not a working-pressure rating)
Approvals	see Quality & Approvals
Finish	Red RAL 3000 epoxy; galvanized or other colours on request
Working pressure	Up to 300 psi (2.07 MPa) CWP, by size and drilling; contact us

Sizes

Sizes and pipe OD per the True North™ size list. For reducing fittings, sizes are run × branch. Larger sizes than those listed are available on request. Dimensions, pressure ratings and weights are available on request.

Nominal size (in)	Pipe OD (mm)	Nominal size (in)	Pipe OD (mm)	Nominal size (in)	Pipe OD (mm)	Nominal size (in)	Pipe 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		

Submittal information

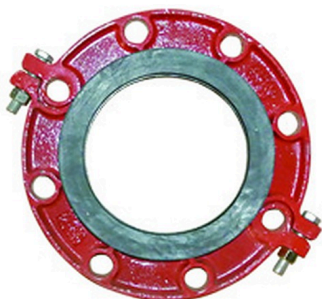
PROJECT	CONTRACTOR	ENGINEER	LOCATION
SPECIFICATION SECTION	SUBMITTAL NO.	DATE	APPROVAL

FLANGES & FLANGE ADAPTERS · PRODUCT DATA SHEET

Split Flange, PN16

Model TN-SF-16

Our own True North™ brand · Canadian brand



Product photo for illustration.

Installation

Install in accordance with NFPA 13, the project specifications and the authority having jurisdiction. See the True North™ Installation Guide.

Documentation

Material certificates and test reports on request.
Weights and full dimensional drawings: contact us for details.

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

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

Model no.	TN-SF-16
Materials we can supply	Ductile iron or carbon steel; painted or hot-dip galvanized
Size range	Sizes 1" to 24"; larger sizes on request.
Standards	For grooved pipe to AWWA C606 groove dimensions; ductile iron to ASTM A536 Grade 65-45-12 or carbon steel.
Approvals	see Quality & Approvals
Gasket	Grade E EPDM, -34 °C to +150 °C; nitrile or silicone on request
Bolts & nuts	Heat-treated carbon steel track bolts and nuts, class 8.8
Finish	Red RAL 3000 epoxy; galvanized or other colours on request
Working pressure	225 psi (1.55 MPa) max. CWP

Sizes

Sizes and pipe OD per the True North™ size list. For reducing fittings, sizes are run × branch. Larger sizes than those listed are available on request. Dimensions, pressure ratings and weights are available on request.

Nominal size (in)	Pipe OD (mm)	Nominal size (in)	Pipe OD (mm)	Nominal size (in)	Pipe OD (mm)	Nominal size (in)	Pipe 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		

Submittal information

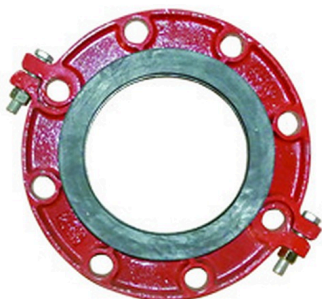
PROJECT	CONTRACTOR	ENGINEER	LOCATION
SPECIFICATION SECTION	SUBMITTAL NO.	DATE	APPROVAL

FLANGES & FLANGE ADAPTERS · PRODUCT DATA SHEET

Split Flange, Class 150

Model TN-SF-150

Our own True North™ brand · Canadian brand



Product photo for illustration.

Installation

Install in accordance with NFPA 13, the project specifications and the authority having jurisdiction. See the True North™ Installation Guide.

Documentation

Material certificates and test reports on request.
Weights and full dimensional drawings: contact us for details.

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

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

Model no.	TN-SF-150
Materials we can supply	Ductile iron or carbon steel; painted or hot-dip galvanized
Size range	Sizes 1" to 24"; larger sizes on request.
Standards	For grooved pipe to AWWA C606 groove dimensions; ductile iron to ASTM A536 Grade 65-45-12 or carbon steel.
Approvals	see Quality & Approvals
Gasket	Grade E EPDM, -34 °C to +150 °C; nitrile or silicone on request
Bolts & nuts	Heat-treated carbon steel track bolts and nuts, class 8.8
Finish	Red RAL 3000 epoxy; galvanized or other colours on request
Working pressure	Up to 300 psi (2.07 MPa) CWP, by size and drilling; contact us

Sizes

Sizes and pipe OD per the True North™ size list. For reducing fittings, sizes are run × branch. Larger sizes than those listed are available on request. Dimensions, pressure ratings and weights are available on request.

Nominal size (in)	Pipe OD (mm)	Nominal size (in)	Pipe OD (mm)	Nominal size (in)	Pipe 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

Submittal information

PROJECT	CONTRACTOR	ENGINEER	LOCATION
SPECIFICATION SECTION	SUBMITTAL NO.	DATE	APPROVAL

FLANGES & FLANGE ADAPTERS · PRODUCT DATA SHEET

Grooved Flange, Class 150

Model TN-GF-150

Our own True North™ brand · Canadian brand



Product photo for illustration.

Installation

Install in accordance with NFPA 13, the project specifications and the authority having jurisdiction. See the True North™ Installation Guide.

Documentation

Material certificates and test reports on request.
Weights and full dimensional drawings: contact us for details.

Grooved flange to ASME B16.5 Class 150 drilling.

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

Model no.	TN-GF-150
Materials we can supply	Ductile iron or carbon steel; painted or hot-dip galvanized
Size range	Sizes 1" to 24"; larger sizes on request.
Standards	For grooved pipe to AWWA C606 groove dimensions; ductile iron to ASTM A536 Grade 65-45-12 or carbon steel.
Flange drilling	ASME B16.5 Class 150
Approvals	see Quality & Approvals
Finish	Red RAL 3000 epoxy; galvanized or other colours on request
Working pressure	Up to 300 psi (2.07 MPa) CWP, by size and drilling; contact us

Sizes

Sizes and pipe OD per the True North™ size list. For reducing fittings, sizes are run × branch. Larger sizes than those listed are available on request. Dimensions, pressure ratings and weights are available on request.

Nominal size (in)	Pipe OD (mm)	Nominal size (in)	Pipe OD (mm)	Nominal size (in)	Pipe 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

Submittal information

PROJECT	CONTRACTOR	ENGINEER	LOCATION
SPECIFICATION SECTION	SUBMITTAL NO.	DATE	APPROVAL

FLANGES & FLANGE ADAPTERS · PRODUCT DATA SHEET

Flange Adapter, PN16

Model TN-FA-16

Our own True North™ brand · Canadian brand



Product photo for illustration.

Installation

Install in accordance with NFPA 13, the project specifications and the authority having jurisdiction. See the True North™ Installation Guide.

Documentation

Material certificates and test reports on request.
Weights and full dimensional drawings: contact us for details.

Grooved-to-flanged transition, PN16 drilling.

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

Model no.	TN-FA-16
Materials we can supply	Ductile iron or carbon steel; painted or hot-dip galvanized
Size range	Sizes 1" to 24"; larger sizes on request.
Standards	For grooved pipe to AWWA C606 groove dimensions; ductile iron to ASTM A536 Grade 65-45-12 or carbon steel.
Flange drilling	PN16 drilling (flange drilling class, not a working-pressure rating)
Approvals	see Quality & Approvals
Gasket	Grade E EPDM, -34 °C to +150 °C; nitrile or silicone on request
Bolts & nuts	Heat-treated carbon steel track bolts and nuts, class 8.8
Finish	Red RAL 3000 epoxy; galvanized or other colours on request
Working pressure	Up to 300 psi (2.07 MPa) CWP, by size and drilling; contact us

Sizes

Sizes and pipe OD per the True North™ size list. For reducing fittings, sizes are run × branch. Larger sizes than those listed are available on request. Dimensions, pressure ratings and weights are available on request.

Nominal size (in)	Pipe OD (mm)	Nominal size (in)	Pipe OD (mm)	Nominal size (in)	Pipe OD (mm)	Nominal size (in)	Pipe 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

Submittal information

PROJECT	CONTRACTOR	ENGINEER	LOCATION
SPECIFICATION SECTION	SUBMITTAL NO.	DATE	APPROVAL

FLANGES & FLANGE ADAPTERS · PRODUCT DATA SHEET

Flange Adapter, Class 150

Model TN-FA-150

Our own True North™ brand · Canadian brand



Product photo for illustration.

Installation

Install in accordance with NFPA 13, the project specifications and the authority having jurisdiction. See the True North™ Installation Guide.

Documentation

Material certificates and test reports on request.
Weights and full dimensional drawings: contact us for details.

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

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

Model no.	TN-FA-150
Materials we can supply	Ductile iron or carbon steel; painted or hot-dip galvanized
Size range	Sizes 1" to 24"; larger sizes on request.
Standards	For grooved pipe to AWWA C606 groove dimensions; ductile iron to ASTM A536 Grade 65-45-12 or carbon steel.
Flange drilling	ASME B16.5 Class 150
Approvals	see Quality & Approvals
Gasket	Grade E EPDM, -34 °C to +150 °C; nitrile or silicone on request
Bolts & nuts	Heat-treated carbon steel track bolts and nuts, class 8.8
Finish	Red RAL 3000 epoxy; galvanized or other colours on request
Working pressure	Up to 300 psi (2.07 MPa) CWP, by size and drilling; contact us

Sizes

Sizes and pipe OD per the True North™ size list. For reducing fittings, sizes are run × branch. Larger sizes than those listed are available on request. Dimensions, pressure ratings and weights are available on request.

Nominal size (in)	Pipe OD (mm)	Nominal size (in)	Pipe OD (mm)	Nominal size (in)	Pipe 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	5"	141.3	8"	219.1

Submittal information

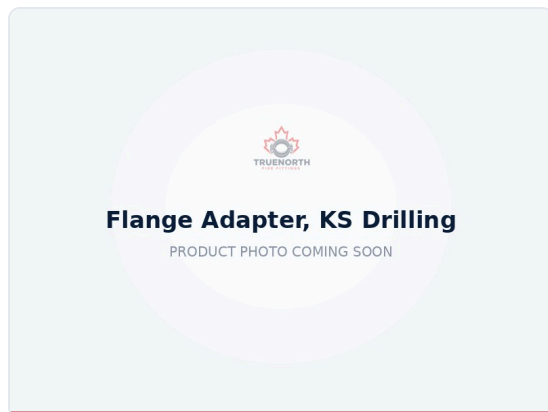
PROJECT	CONTRACTOR	ENGINEER	LOCATION
SPECIFICATION SECTION	SUBMITTAL NO.	DATE	APPROVAL

FLANGES & FLANGE ADAPTERS · PRODUCT DATA SHEET

Flange Adapter, KS Drilling

Model TN-FA-KS

Our own True North™ brand · Canadian brand



Product photo for illustration.

Installation

Install in accordance with NFPA 13, the project specifications and the authority having jurisdiction. See the True North™ Installation Guide.

Documentation

Material certificates and test reports on request.
Weights and full dimensional drawings: contact us for details.

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

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

Model no.	TN-FA-KS
Materials we can supply	Ductile iron or carbon steel; painted or hot-dip galvanized
Size range	Sizes 1" to 24"; larger sizes on request.
Standards	For grooved pipe to AWWA C606 groove dimensions; ductile iron to ASTM A536 Grade 65-45-12 or carbon steel.
Approvals	see Quality & Approvals
Gasket	Grade E EPDM, -34 °C to +150 °C; nitrile or silicone on request
Bolts & nuts	Heat-treated carbon steel track bolts and nuts, class 8.8
Finish	Red RAL 3000 epoxy; galvanized or other colours on request
Working pressure	Up to 300 psi (2.07 MPa) CWP, by size and drilling; contact us

Sizes

Size list available on request.

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

Dimensions, pressure ratings and weights are available on request.

Submittal information

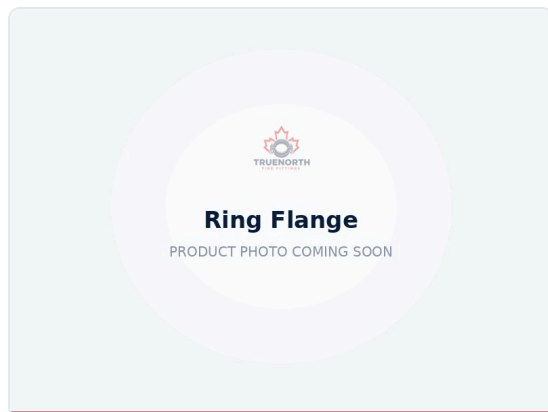
PROJECT	CONTRACTOR	ENGINEER	LOCATION
SPECIFICATION SECTION	SUBMITTAL NO.	DATE	APPROVAL

FLANGES & FLANGE ADAPTERS · PRODUCT DATA SHEET

Ring Flange

Model TN-RF-01

Our own True North™ brand · Canadian brand



Product photo for illustration.

Installation

Install in accordance with NFPA 13, the project specifications and the authority having jurisdiction. See the True North™ Installation Guide.

Documentation

Material certificates and test reports on request. Weights and full dimensional drawings: contact us for details.

Grooved ring flange for flanged connections to valves and equipment.

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

Model no.	TN-RF-01
Materials we can supply	Ductile iron or carbon steel; painted or hot-dip galvanized
Size range	Sizes 1" to 24"; larger sizes on request.
Standards	For grooved pipe to AWWA C606 groove dimensions; ductile iron to ASTM A536 Grade 65-45-12 or carbon steel.
Approvals	see Quality & Approvals
Finish	Red RAL 3000 epoxy; galvanized or other colours on request
Working pressure	Up to 300 psi (2.07 MPa) CWP, by size and drilling; contact us

Sizes

Size list available on request.

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

Dimensions, pressure ratings and weights are available on request.

Submittal information

PROJECT	CONTRACTOR	ENGINEER	LOCATION
SPECIFICATION SECTION	SUBMITTAL NO.	DATE	APPROVAL

MECHANICAL TEES & CROSSES · PRODUCT DATA SHEET

Mechanical Tee, Threaded Outlet

Model TN-MT-01

Our own True North™ brand · Canadian brand



Product photo for illustration.

Clamp-on branch outlet with threaded connection.

Materials we can supply	Ductile iron or carbon steel; painted or hot-dip galvanized
Size range	Sizes 1" to 24"; larger sizes on request.
Standards	For grooved pipe to AWWA C606 groove dimensions; ductile iron to ASTM A536 Grade 65-45-12 or carbon steel.
Approvals	see Quality & Approvals
Gasket	Grade E EPDM, -34 °C to +150 °C; nitrile or silicone on request
Bolts & nuts	Heat-treated carbon steel track bolts and nuts, class 8.8
Finish	Red RAL 3000 epoxy; galvanized or other colours on request
Working pressure	300 psi (2.07 MPa) max. CWP on Sch. 10 / Sch. 40 grooved steel pipe

Sizes

Sizes and pipe OD per the True North™ size list. For reducing fittings, sizes are run × branch. Larger sizes than those listed are available on request. Dimensions, pressure ratings and weights are available on request.

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

Installation: install in accordance with NFPA 13, the project specifications and the authority having jurisdiction; see the True North™ Installation Guide.

Documentation: material certificates and test reports on request.

Submittal information

PROJECT	CONTRACTOR	ENGINEER	LOCATION
SPECIFICATION SECTION	SUBMITTAL NO.	DATE	APPROVAL

MECHANICAL TEES & CROSSES · PRODUCT DATA SHEET

Mechanical Tee, Grooved Outlet

Model TN-MT-02

Our own True North™ brand · Canadian brand



Product photo for illustration.

Clamp-on branch outlet with grooved connection.

Materials we can supply	Ductile iron or carbon steel; painted or hot-dip galvanized
Size range	Sizes 1" to 24"; larger sizes on request.
Standards	For grooved pipe to AWWA C606 groove dimensions; ductile iron to ASTM A536 Grade 65-45-12 or carbon steel.
Approvals	see Quality & Approvals
Gasket	Grade E EPDM, -34 °C to +150 °C; nitrile or silicone on request
Bolts & nuts	Heat-treated carbon steel track bolts and nuts, class 8.8
Finish	Red RAL 3000 epoxy; galvanized or other colours on request
Working pressure	300 psi (2.07 MPa) max. CWP on Sch. 10 / Sch. 40 grooved steel pipe

Sizes

Sizes and pipe OD per the True North™ size list. For reducing fittings, sizes are run × branch. Larger sizes than those listed are available on request. Dimensions, pressure ratings and weights are available on request.

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 × 33.7	3" x 1-1/4"	88.9 × 42.4	4" x 2-1/2"	114.3 × 76.1	6" x 3"	165.1 × 88.9	8" x 1"	219.1 × 33.7
2" x 1-1/4"	60.3 × 42.4	3" x 1-1/2"	88.9 × 48.3	4" x 3"	114.3 × 88.9	6" x 4"	165.1 × 114.3	8" x 1-1/4"	219.1 × 42.4
2" x 1-1/2"	60.3 × 48.3	3" x 2"	88.9 × 60.3	5" x 2"	139.7 × 60.3	6" x 1"	168.3 × 33.7	8" x 1-1/2"	219.1 × 48.3
2-1/2" x 1"	73 × 33.7	3" x 2-1/2"	88.9 × 73	5" x 2-1/2"	139.7 × 76.1	6" x 1-1/4"	168.3 × 42.4	8" x 2"	219.1 × 60.3
2-1/2" x 1-1/4"	73 × 42.4	3" x 2-1/2"	88.9 × 76.1	5" x 3"	139.7 × 88.9	6" x 1-1/2"	168.3 × 48.3	8" x 2-1/2"	219.1 × 73
2-1/2" x 1-1/2"	73 × 48.3	4" x 1"	114.3 × 33.7	5" x 2-1/2"	141.3 × 73	6" x 2"	168.3 × 60.3	8" x 2-1/2"	219.1 × 76.1
2-1/2" x 1"	76.1 × 33.7	4" x 1-1/4"	114.3 × 42.4	5" x 3"	141.3 × 88.9	6" x 2-1/2"	168.3 × 73	8" x 3"	219.1 × 88.9
2-1/2" x 1-1/4"	76.1 × 42.4	4" x 1-1/2"	114.3 × 48.3	6" x 1-1/2"	165.1 × 48.3	6" x 2-1/2"	168.3 × 76.1	8" x 4"	219.1 × 114.3
2-1/2" x 1-1/2"	76.1 × 48.3	4" x 2"	114.3 × 60.3	6" x 2"	165.1 × 60.3	6" x 3"	168.3 × 88.9		
3" x 1"	88.9 × 33.7	4" x 2-1/2"	114.3 × 73	6" x 2-1/2"	165.1 × 76.1	6" x 4"	168.3 × 114.3		

Installation: install in accordance with NFPA 13, the project specifications and the authority having jurisdiction; see the True North™ Installation Guide.

Documentation: material certificates and test reports on request.

Submittal information

PROJECT	CONTRACTOR	ENGINEER	LOCATION
SPECIFICATION SECTION	SUBMITTAL NO.	DATE	APPROVAL

MECHANICAL TEES & CROSSES · PRODUCT DATA SHEET

U-Bolt Mechanical Tee

Model TN-MT-03

Our own True North™ brand · Canadian brand



Product photo for illustration.

Installation

Install in accordance with NFPA 13, the project specifications and the authority having jurisdiction. See the True North™ Installation Guide.

Documentation

Material certificates and test reports on request.
Weights and full dimensional drawings: contact us for details.

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

Clamp-on branch outlets, threaded or grooved.

Model no.	TN-MT-03
Materials we can supply	Ductile iron or carbon steel; painted or hot-dip galvanized
Size range	Sizes 1" to 24"; larger sizes on request.
Standards	For grooved pipe to AWWA C606 groove dimensions; ductile iron to ASTM A536 Grade 65-45-12 or carbon steel.
Approvals	see Quality & Approvals
Gasket	Grade E EPDM, -34 °C to +150 °C; nitrile or silicone on request
Bolts & nuts	Heat-treated carbon steel track bolts and nuts, class 8.8
Finish	Red RAL 3000 epoxy; galvanized or other colours on request
Working pressure	300 psi (2.07 MPa) max. CWP on Sch. 10 / Sch. 40 grooved steel pipe

Sizes

Sizes and pipe OD per the True North™ size list. For reducing fittings, sizes are run × branch. Larger sizes than those listed are available on request. Dimensions, pressure ratings and weights are available on request.

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

Submittal information

PROJECT	CONTRACTOR	ENGINEER	LOCATION
SPECIFICATION SECTION	SUBMITTAL NO.	DATE	APPROVAL

MECHANICAL TEES & CROSSES · PRODUCT DATA SHEET

Mechanical Cross, Threaded Outlet

Model TN-MX-01

Our own True North™ brand · Canadian brand



Product photo for illustration.

Clamp-on cross with threaded outlets.

Materials we can supply	Ductile iron or carbon steel; painted or hot-dip galvanized
Size range	Sizes 1" to 24"; larger sizes on request.
Standards	For grooved pipe to AWWA C606 groove dimensions; ductile iron to ASTM A536 Grade 65-45-12 or carbon steel.
Approvals	see Quality & Approvals
Gasket	Grade E EPDM, -34 °C to +150 °C; nitrile or silicone on request
Bolts & nuts	Heat-treated carbon steel track bolts and nuts, class 8.8
Finish	Red RAL 3000 epoxy; galvanized or other colours on request
Working pressure	300 psi (2.07 MPa) max. CWP on Sch. 10 / Sch. 40 grooved steel pipe

Sizes

Sizes and pipe OD per the True North™ size list. For reducing fittings, sizes are run × branch. Larger sizes than those listed are available on request. Dimensions, pressure ratings and weights are available on request.

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

Installation: install in accordance with NFPA 13, the project specifications and the authority having jurisdiction; see the True North™ Installation Guide.

Documentation: material certificates and test reports on request.

Submittal information

PROJECT	CONTRACTOR	ENGINEER	LOCATION
SPECIFICATION SECTION	SUBMITTAL NO.	DATE	APPROVAL

MECHANICAL TEES & CROSSES · PRODUCT DATA SHEET

Mechanical Cross, Grooved Outlet

Model TN-MX-02

Our own True North™ brand · Canadian brand



Product photo for illustration.

Clamp-on cross with grooved outlets.

Materials we can supply	Ductile iron or carbon steel; painted or hot-dip galvanized
Size range	Sizes 1" to 24"; larger sizes on request.
Standards	For grooved pipe to AWWA C606 groove dimensions; ductile iron to ASTM A536 Grade 65-45-12 or carbon steel.
Approvals	see Quality & Approvals
Gasket	Grade E EPDM, -34 °C to +150 °C; nitrile or silicone on request
Bolts & nuts	Heat-treated carbon steel track bolts and nuts, class 8.8
Finish	Red RAL 3000 epoxy; galvanized or other colours on request
Working pressure	300 psi (2.07 MPa) max. CWP on Sch. 10 / Sch. 40 grooved steel pipe

Sizes

Sizes and pipe OD per the True North™ size list. For reducing fittings, sizes are run × branch. Larger sizes than those listed are available on request. Dimensions, pressure ratings and weights are available on request.

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 × 33.7	3" x 1"	88.9 × 33.7	4" x 2"	114.3 × 60.3	6" x 3"	165.1 × 88.9	8" x 2"	219.1 × 60.3
2" x 1-1/4"	60.3 × 42.4	3" x 1-1/4"	88.9 × 42.4	4" x 2-1/2"	114.3 × 73	6" x 4"	165.1 × 114.3	8" x 2-1/2"	219.1 × 73
2" x 1-1/2"	60.3 × 48.3	3" x 1-1/2"	88.9 × 48.3	4" x 2-1/2"	114.3 × 76.1	6" x 1-1/4"	168.3 × 42.4	8" x 2-1/2"	219.1 × 76.1
2-1/2" x 1"	73 × 33.7	3" x 2"	88.9 × 60.3	4" x 3"	114.3 × 88.9	6" x 1-1/2"	168.3 × 48.3	8" x 3"	219.1 × 88.9
2-1/2" x 1-1/4"	73 × 42.4	3" x 2-1/2"	88.9 × 73	5" x 2"	139.7 × 60.3	6" x 2"	168.3 × 60.3	8" x 4"	219.1 × 114.3
2-1/2" x 1-1/2"	73 × 48.3	3" x 2-1/2"	88.9 × 76.1	5" x 2-1/2"	139.7 × 76.1	6" x 2-1/2"	168.3 × 73		
2-1/2" x 1"	76.1 × 33.7	4" x 1"	114.3 × 33.7	5" x 3"	139.7 × 88.9	6" x 2-1/2"	168.3 × 76.1		
2-1/2" x 1-1/4"	76.1 × 42.4	4" x 1-1/4"	114.3 × 42.4	6" x 2"	165.1 × 60.3	6" x 3"	168.3 × 88.9		
2-1/2" x 1-1/2"	76.1 × 48.3	4" x 1-1/2"	114.3 × 48.3	6" x 2-1/2"	165.1 × 76.1	6" x 4"	168.3 × 114.3		

Installation: install in accordance with NFPA 13, the project specifications and the authority having jurisdiction; see the True North™ Installation Guide.

Documentation: material certificates and test reports on request.

Submittal information

PROJECT	CONTRACTOR	ENGINEER	LOCATION
SPECIFICATION SECTION	SUBMITTAL NO.	DATE	APPROVAL