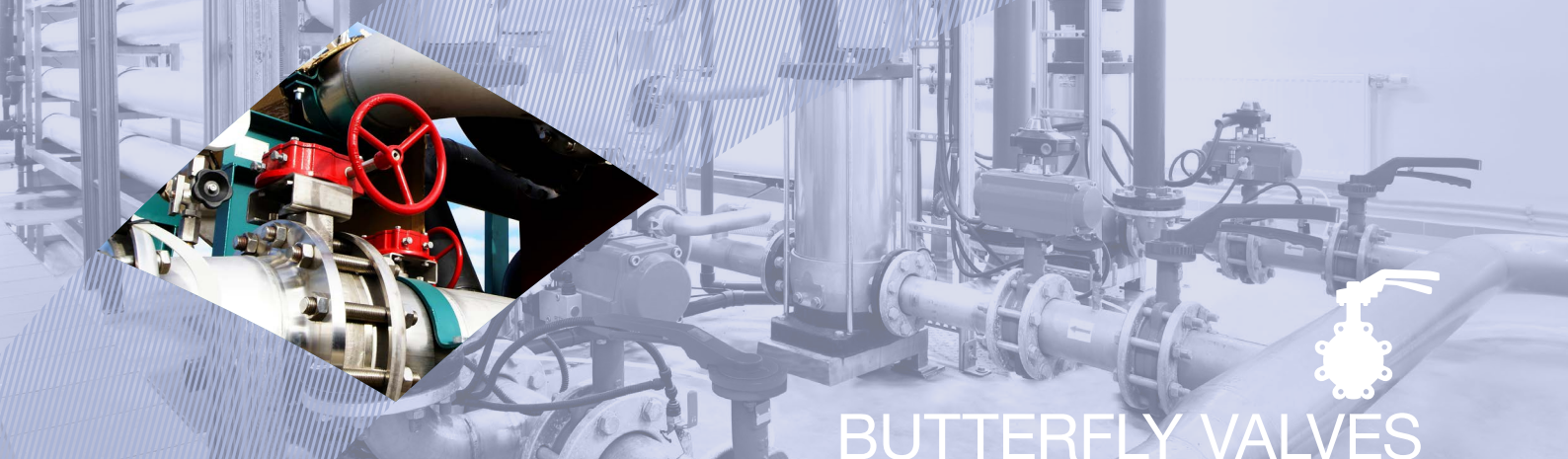




BUTTERFLY VALVES



**3500
BUTTERFLY VALVE
WAFER**
**DN40 → DN600
PN 6-10-16**

Design
EN 593
End Connection
WAFFER - EN 1092-1 / ISO 7005-1
Body
GG25 CAST IRON
GGG50 DUCTILE IRON
Disc
3500 - AISI 304
3550 - DUCTILE IRON+NICKEL
3560 - AISI 316
Stem
AISI 420 / 304 / 316
Sealing
EPDM / NBR / VITON
Coating
ELECTROSTATIC POWDER EPOXY



**3600
BUTTERFLY VALVE
LUG**
**DN40 → DN600
PN 16**

Design
EN 593
End Connection
LUG EN 1092-2 / ISO 7005-2
Body
GG25 CAST IRON
GGG50 DUCTILE IRON
Disc
3600 - AISI 304
3650 - DUCTILE IRON+NICKEL
3660 - AISI 316
Stem
AISI 420 / 304 / 316
Sealing
EPDM / NBR / VITON
Coating
ELECTROSTATIC POWDER EPOXY



**3800U
SHORT TYPE FLANGED
BUTTERFLY VALVE**
**DN40 → DN1200
PN 10-16**

Design
EN 593
End Connection
FLANGED EN 1092-2/ISO 7005-2
Body
GGG40/50 DUCTILE IRON
Face to Face
EN 558 SERIES 20
Disc
AISI 304 / 316
Stem
AISI 420
Sealing
EPDM / NBR / VITON
Coating
ELECTROSTATIC POWDER EPOXY



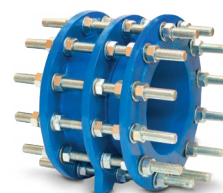
**3800
BUTTERFLY VALVE
DOUBLE ECCENTRIC**
**DN100 → DN2000
PN 10-16-25**

Design
EN 593
End Connection
FLANGED EN 1092-2/ISO 7005-2
Body
GGG40/50 DUCTILE IRON
Disc
GGG40/50 DUCTILE IRON
Stem
AISI 420 / 304 / 316
Sealing
EPDM / NBR / VITON
Coating
THERMOPLASTIC POWDER EPOXY
ELECTROSTATIC POWDER EPOXY



**3800E
BUTTERFLY VALVE
ELECTRIC ACTUATED**
**DN100 → DN2000
PN 10-16-25**

Design
EN 593
End Connection
FLANGED EN 1092-2/ISO 7005-2
Body
GGG40/50 DUCTILE IRON
Disc
GGG40/50 DUCTILE IRON
Stem
AISI 420 / 304 / 316
Sealing
EPDM / NBR / VITON
Coating
THERMOPLASTIC POWDER EPOXY
ELECTROSTATIC POWDER EPOXY



**3900
DISMANTLING
JOINT**
**DN50 → DN2000
PN 10-16-25**

End Connection
FLANGED EN 1092-2/ISO 7005-2
Test
EN 12266-1
Body
GGG50 DUCTILE IRON
Studs / Nuts
8.8 GALVANISED STEEL
AISI 420/304/316
Sealing
EPDM
Coating
ELECTROSTATIC POWDER EPOXY



GLOBE VALVES - STRAINERS



2100 GLOBE VALVE

**DN15 → DN300
PN 16**

Design
EN 13789

End Connection
FLANGED EN 1092-2 / ISO 7005-2

Body
GG25 CAST IRON

Disc
AISI 304

Kumanda Mili
AISI 420

Sealing
GRAPHITE

Coating
INDUSTRIAL EPOXY



2130 GLOBE VALVE BELLOW SEAL

**DN15 → DN300
PN 16**

Design
EN 13789

End Connection
FLANGED EN 1092-2 / ISO 7005-2

Body
GG25 CAST IRON

Disc
DN15-100 - AISI 420
DN125-300 - A105 STEEL

Sealing
GRAPHITE

Coating
INDUSTRIAL EPOXY



2500 Y-TYPE STRAINER

**DN15 → DN600
PN 16**

Design
TS 11494

End Connection
FLANGED EN 1092-2/ISO 7005-2

Body
GGG50 DUCTILE IRON

Filter
AISI 304

Discharge Nut
MS 58 - BRASS

Coating
ELECTROSTATIC POWDER EPOXY
INDUSTRIAL EPOXY



ACTUATORS



3700 GEARBOX

End Connection
EN ISO 5211

Body
GG25 CAST IRON
GGG40/50 DUCTILE IRON

Coating
INDUSTRIAL EPOXY
ELECTROSTATIC POWDER EPOXY



3750 PNEUMATIC ACTUATOR

SINGLE/DOUBLE ACTING

End Connection
EN ISO 5211

Body
ALUMINIUM EXTRUSION
OR ALUMINIUM CASTING

Sealing
NBR

Coating
ELECTROSTATIC POWDER EPOXY



3770 ELECTRIC ACTUATOR

QUARTER TURN

End Connection
EN ISO 5211

Torque
50Nm → 2400Nm

Type
ON/OFF or MODULATING

Power Supply
110V/220V/380VAC
110/24VDC



3780 ELECTRIC ACTUATOR

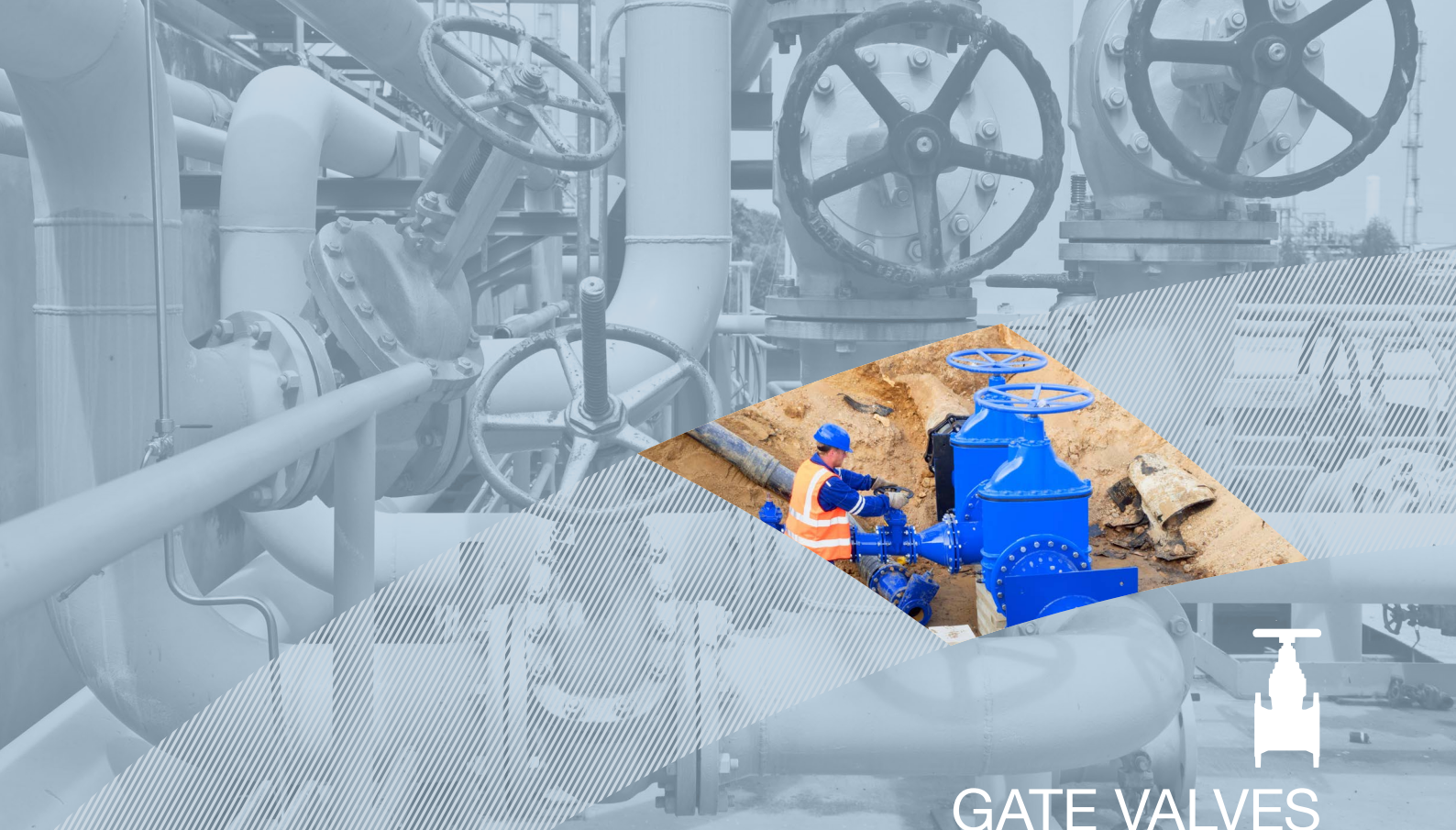
MULTI TURN

End Connection
EN ISO 5211

Torque
10Nm → 32000Nm

Type
ON/OFF or MODULATING

Power Supply
110V/220V/380VAC
110/24VDC



GATE VALVES



6000 GATE VALVE RESILIENT SEATED (F4)

**DN40 → DN1000
PN 10-16-25**

Design
EN 1074

End Connection
FLANGED EN 1092-2 / ISO 7005-2

Body
GGG40-GGG50 DUCTILE IRON

Gate
EPDM COATED DUCTILE IRON

Stem
AISI 420 / 304 / 316

Sealing
EPDM/NBR

Coating
ELECTROSTATIC POWDER EPOXY



6200 RESILIENT SEATED GATE VALVE (F5)

**DN40 → DN1000
PN 10-16**

Design
EN 1171 / EN 1074

End Connection
FLANGED EN 1092-2 / ISO 7005-2

Body
GGG40/50 DUCTILE IRON

Gate
EPDM COATED DUCTILE IRON

Stem
AISI 420 / 304 / 316

Sealing
EPDM/NBR

Coating
ELECTROSTATIC POWDER EPOXY



6400 GATE VALVE (FIRE)

**DN50 → DN300
300 PSI**

Design
FM1120/1130, UL262 / AWWAC515

End Connection
FLANGED TS EN 1092-2 / ISO 7005-2

Body
GGG40/50 DUCTILE IRON

Gate
EPDM COATED DUCTILE IRON

Stem
AISI 420 / 304 STAINLESS STEEL

Sealing
EPDM

Coating
ELECTROSTATIC POWDER EPOXY



**6600
GATE VALVE
THREADED
SERVICE VALVE**

**DN25 → DN50
PN 16**

Design
EN 1171

End Connection
THREADED EN ISO 228-1

Body
GGG40/50 DUCTILE IRON

Gate
EPDM COATED DUCTILE IRON

Stem
AISI 420 / 304 / 316

Sealing
EPDM

Coating
ELECTROSTATIC POWDER EPOXY



**6000E
GATE VALVE
ELECTRIC
ACTUATED**

**DN40 → DN1000
PN 10-16-25**

Design
EN 1074

End Connection
FLANGED EN 1092-2 / ISO 7005-2

Body
GGG40/50 DUCTILE IRON

Gate
EPDM COATED DUCTILE IRON

Stem
AISI 420 / 304 / 316

Sealing
EPDM/NBR

Coating
ELECTROSTATIC POWDER EPOXY



**6700
GATE VALVE
METAL SEAT (F4)
RISING STEM**

**DN40 → DN1000
PN 10-16-25**

Design
EN 1171

End Connection
FLANGED EN 1092-2 / ISO 7005-2

Body
GGG50 DUCTILE IRON

Gate
GGG50 DUCTILE IRON

Stem
AISI 420

Sealing
EPDM

Coating
ELECTROSTATIC POWDER EPOXY



**6500
KNIFE
GATE VALVE
RISING STEM**

**DN50 → DN1000
PN 10**

End Connection
SEMI-LUG EN 1092-2 / ISO 7005-2

Body
GGG40/50 DUCTILE IRON

Gate
AISI 304
AISI 316

Stem
AISI420

Sealing
NBR

Coating
ELECTROSTATIC POWDER EPOXY



**6550
KNIFE
GATE VALVE
NON-RISING STEM**

**DN50 → DN1000
PN 10**

End Connection
SEMI-LUG EN 1092-2 / ISO 7005-2

Body
GGG40/50 DUCTILE IRON

Gate
AISI 304
AISI 316

Stem
AISI420

Sealing
NBR

Coating
ELECTROSTATIC POWDER EPOXY



**6500P
KNIFE
GATE VALVE
PNEUMATIC**

**DN50 → DN800
PN 10**

End Connection
SEMI-LUG EN 1092-2 / ISO 7005-2

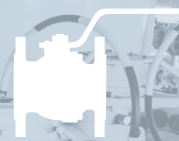
Body
GGG40/50 DUCTILE IRON

Gate
AISI 304
AISI 316

Stem
AISI420

Sealing
NBR

Coating
ELECTROSTATIC POWDER EPOXY



BALL VALVES



1100 BALL VALVE

**DN15 → DN300
PN 10-16**

Design

TS 3148 / DIN3357

End Connection

FLANGED EN 1092-2/ISO 7005-2

Body

GG25 CAST IRON
GGG40 / 50 DUCTILE IRON

Ball

AISI 430 / 304 / 316

Stem

AISI 420 / 304 / 316

Sealing

TEFLON (PTFE)

Coating

INDUSTRIAL EPOXY



1200 BALL VALVE

**DN15 → DN300
PN 16**

Design

TS 3148 / DIN3357

End Connection

FLANGED EN 1092-2/ISO 7005-2

Body

GGG40/50 DUCTILE IRON

Ball

AISI 420 / 430 / 304 / 316

Stem

AISI 420 / 304 / 316

Sealing

TEFLON (PTFE)

Coating

INDUSTRIAL EPOXY



1225 BALL VALVE

**DN15 → DN250
PN 25**

Design

EN 3148 / DIN3357

End Connection

FLANGED EN 1092-2/ISO 7005-2

Body

GGG50 DUCTILE IRON

Ball

AISI 420 / 430 / 304 / 316

Stem

AISI 420 / 304 / 316

Sealing

TEFLON (PTFE)

Coating

INDUSTRIAL EPOXY



1400 BALL VALVE

**DN15 → DN150
PN 25-40**

Design

EN 9809 / EN 331

End Connection

FLANGED EN 1092-2/ISO 7005-2

Body

GGG40 DUCTILE IRON

Ball

AISI 420 / 430 / 304 / 316

Stem

AISI 420 / 304 / 316

Sealing

TEFLON (PTFE)

Coating

INDUSTRIAL EPOXY



1440 BALL VALVE THREADED

**DN15 → DN25
PN 16-25-40**

Design

EN 331 / EN 1983

End Connection

THREADED EN ISO 228-1

Body

STEEL

Ball

AISI 420 / 430 / 304 / 316

Stem

AISI 420 / 304 / 316

Sealing

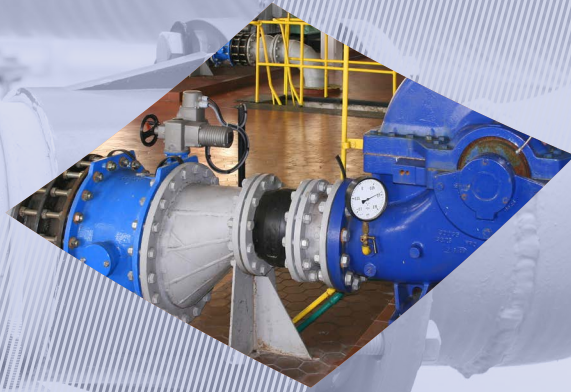
TEFLON (PTFE)

Coating

INDUSTRIAL EPOXY



EXPANSION JOINTS



5000 RUBBER EXPANSION JOINT

**DN25 → DN600
PN 16**

Design

EN 10879 / DIN 30680

End Connection

FLANGED EN 1092-1/ISO 7005-1

Body

FABRIC REINFORCED EPDM
STEEL REINFORCED EPDM

Flange

WCB CAST STEEL

Sealing

EPDM/NBR

Coating

GALVANISED
INDUSTRIAL EPOXY



5070 RUBBER EXPANSION JOINT

**DN15 → DN50
PN 16**

Design

EN 10879 / DIN 30680

End Connection

THREADED EN ISO 228-1

Body

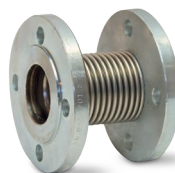
EPDM

Flange

GGG40/50 DUCTILE IRON

Coating

GALVANISED



5100 AXIAL EXPANSION JOINT

**DN25 → DN250
PN 16**

Design

EN 10880 / DIN30681

End Connection

FLANGED EN 1092-1/ISO 7005-1
WELDING END EN 12627

Body

AISI 304 / 316 / 321

Flange

ST 37 STEEL / AISI 304 / 316

Liner (Inner)

AISI 304 / 316 / 321



5060 RUBBER EXPANSION JOINT

**DN25 → DN300
PN 16**

Design

EN 10879 / DIN 30680

End Connection

FLANGED EN 1092-1/ISO 7005-1

Body

FABRIC REINFORCED EPDM
STEEL REINFORCED EPDM

Flange

GGG40 DUCTILE IRON

Sealing

EPDM NBR

Coating

GALVANISED



5200 EXTERNALLY PRESSURIZED EXPANSION JOINT

**DN25 → DN250
PN 16**

Design

EN 10880 / DIN30681

End Connection

FLANGED EN 1092-1/ISO 7005-1
WELDING END EN 12627

Bellow

AISI 304 / 316 / 321

Inner Pipe

ST 37 STEEL / AISI 304 / 316

Outer Pipe

ST 37 STEEL / AISI 304 / 316

Coating

INDUSTRIAL EPOXY



5300 ANGULAR EXPANSION JOINT

**DN25 → DN250
PN 16**

Design

EN 10880 / DIN30681

End Connection

FLANGED EN 1092-1/ISO 7005-1
WELDING END EN 12627

Bellow

AISI 304 / 316 / 321

Welding End

ST 37 STEEL / AISI 304 / 316

Inner Pipe

ST 37 STEEL / AISI 304 / 316

Coating

INDUSTRIAL EPOXY



5400 DILATATION EXPANSION JOINT

**DN25 → DN250
PN 16**

Design

EN 10880 / DIN30681

End Connection

FLANGED EN 1092-1/ISO 7005-1
WELDING END EN 12627

Body

ST 37 STEEL / AISI 304 / 316

Flange

ST 37 STEEL / AISI 304 / 316

Tie Rod

ST 37 STEEL / AISI 304 / 316

Coating

INDUSTRIAL EPOXY



5500 VIBRATION EXPANSION JOINT

**DN25 → DN250
PN 16**

Design

EN 10880 / DIN30681

End Connection

FLANGED EN 1092-1/ISO 7005-1

Body

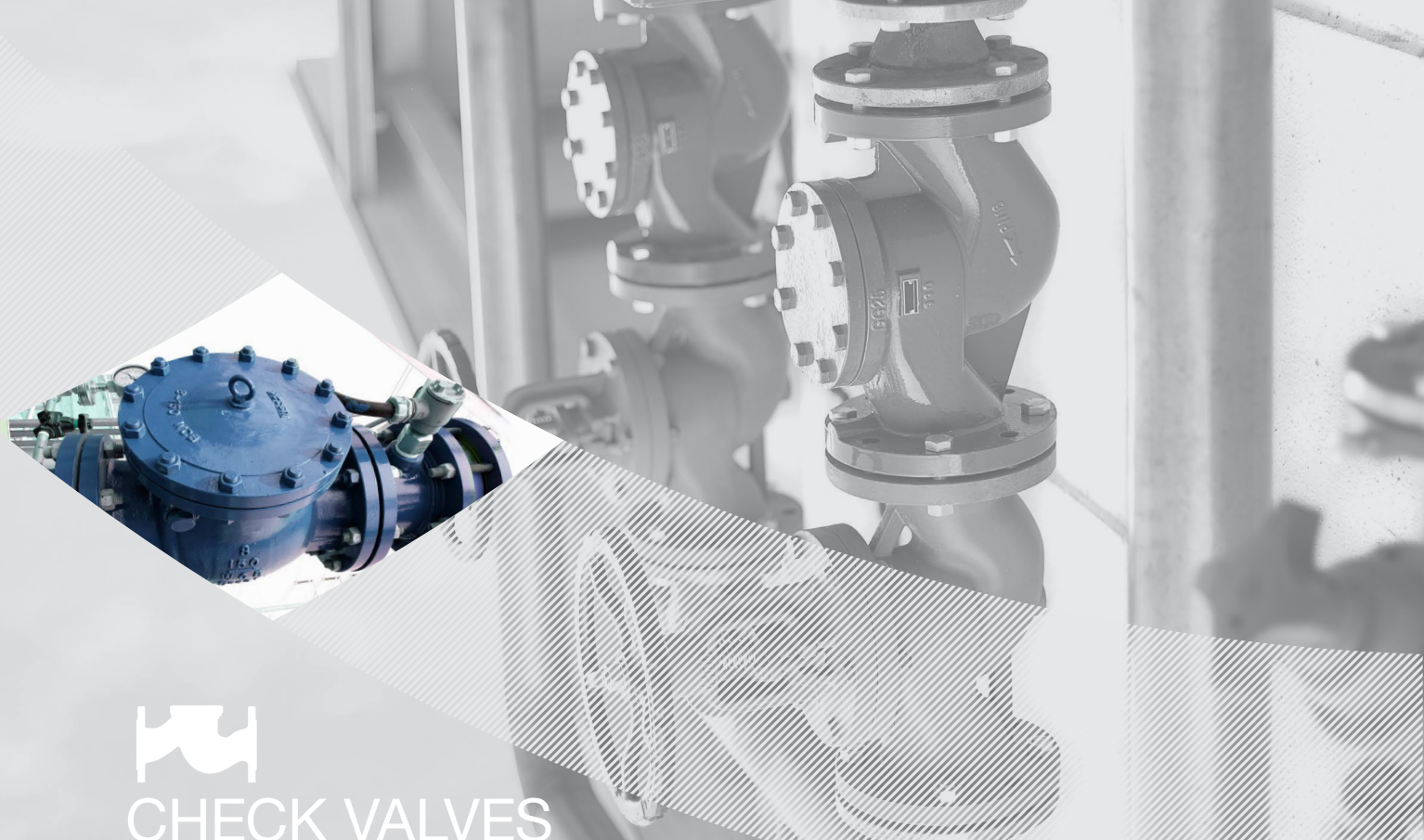
AISI 304 / 316 / 321

Flange

ST 37 STEEL / AISI 304 / 316

Coating

INDUSTRIAL EPOXY



CHECK VALVES



2350-2355 CHECK VALVE DUAL

DN40 → DN600
PN 16-25

Design
EN 16767

End Connection
WAFFER TYPE EN 1092-1/ISO 7005-1

Body
GG25 CAST IRON

Disc
2350 - AISI 304
2355 - DUCTILE IRON

Spring
STAINLESS STEEL

Sealing
EPDM

Coating
ELECTROSTATIC POWDER EPOXY



2250 CHECK VALVE LIFT

DN15 → DN250
PN 16

Design
EN 16767

End Connection
FLANGED EN 1092-2/ISO 7005-2

Body
GG25 CAST IRON

Disc
AISI 304

Sealing
GRAPHITE

Spring
STAINLESS STEEL

Coating
INDUSTRIAL EPOXY



2270 CHECK VALVE SWING

DN50 → DN300
PN 10-16

Design
EN 16767

End Connection
FLANGED EN 1092-2/ISO 7005-2

Body
GGG40/50 DUCTILE IRON

Disc
RUBBER COATED ST.37 STEEL

Sealing
EPDM

Coating
ELECTROSTATIC POWDER EPOXY



2270D CHECK VALVE SWING WITH COUNTER WEIGHT

DN50 → DN300
PN 16

Design
EN 16767

End Connection
FLANGED EN 1092-2/ISO 7005-2

Body
GGG40/50 DUCTILE IRON

Disc
GGG40/50 DUCTILE IRON

Sealing
EPDM

Coating
ELECTROSTATIC POWDER EPOXY



2300 - 2330 CHECK VALVE WAVER SWING

DN25 → DN700
PN 16

Design
EN 14341

End Connection
WAVER TYPE TS EN 1092-1/ISO 7005-1

Body
2300 - AISI 304
2330 - WCB CAST STEEL

Disc
AISI 304

Spring
STAINLESS STEEL

Sealing
EPDM / NBR / VITON



2370 CHECK VALVE DISC

DN15 → DN100
PN 16

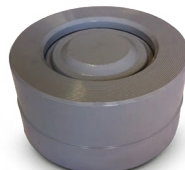
Tests
EN 12266-1

End Connection
WAVER TYPE TS EN 1092-1/ISO 7005-1

Body
MS 58 - BRASS
DN 125 - GGG50
304 AISI FAF2372
316 AISI FAF2373

Disc
AISI 304

Spring
STAINLESS STEEL



2371 CHECK VALVE DISCO - SPHERO

DN40 → DN250
PN 16

Tests
EN 16767

End Connection
WAVER TYPE TS EN 1092-1 / ISO 7005-1

Body
GGG40/50 CAST IRON

Disc
GGG40/50 CAST IRON

Spring
STAINLESS STEEL



2390 NOOZLE CHECK VALVE

DN50 → DN300
PN 10-16

Design
EN 12334

End Connection
FLANGED EN 1092-2 / ISO 7005-2

Body
GG25 CAST IRON

Spring
SS316

Stem
AISI 420

Sealing
NBR

Coating
ELECTROSTATIC POWDER EPOXY



2280 TILTING CHECK VALVE

DN100 → DN1600
PN 10-16-25

Design
EN 16767

End Connection
FLANGED EN 1092-2/ISO 7005-2

Body
GGG40/50 DUCTILE IRON

Disc
GGG40/50 DUCTILE IRON

Sealing
EPDM

Coating
THERMOPLASTIC POWDER EPOXY
ELECTROSTATIC POWDER EPOXY



2280D TILTING CHECK VALVE HYDRAULIC BRAKE

DN200 → DN1600
PN 10-16-25

Design
EN 16767

End Connection
FLANGED EN 1092-2/ISO 7005-2

Body
GGG40/50 DUCTILE IRON

Disc
GGG40/50 DUCTILE IRON

Sealing
EPDM

Coating
THERMOPLASTIC POWDER EPOXY
ELECTROSTATIC POWDER EPOXY



2290 BALL CHECK VALVE

DN40 → DN800
PN 10-16

Design
EN 16767

End Connection
FLANGED EN 1092-2 / ISO 7005-2

Body
GGG40/50 DUCTILE IRON

Ball
NBR COATED STEEL

Sealing
NBR

Coating
ELECTROSTATIC POWDER EPOXY



2295 BALL CHECK VALVE THREADED

DN25 → 80
PN 10-16

Design
EN 16767

End Connection
THREADED EN 228-1

Body
GGG40/50 DUCTILE IRON

Ball
NBR COATED STEEL

Sealing
NBR

Coating
ELECTROSTATIC POWDER EPOXY



7310 SINGLE ORIFICE ARV

DN50 → DN200
PN 16

End Connection
FLANGED EN 1092-2 / ISO 7005-2

Body
GGG40/50 DUCTILE IRON

Ball
POLYETHYLENE

Coating
INDUSTRIAL EPOXY



7320 DOUBLE ORIFICE ARV

DN50 → DN100
PN 16

End Connection
FLANGED EN 1092-2 / ISO 7005-2

Body
GGG40/50 DUCTILE IRON

Ball
POLYETHYLENE

Coating
INDUSTRIAL EPOXY



7330 DYNAMIC ARV

DN50 → DN300
PN 16-25

End Connection
FLANGED EN 1092-2 / ISO 7005-2

Body
GGG40/50 DUCTILE IRON

Sealing
EPDM

Filter
AISI 430 / 304

Coating
ELECTROSTATIC POWDER EPOXY

Working Pressure Range
0.1 - 1 bar / 1 - 16 bar



7340 KINETIC ARV

DN50 → DN300
PN 16-25

End Connection
FLANGED EN 1092-2 / ISO 7005-2

Body
GGG40/50 DUCTILE IRON

Sealing
EPDM

Filter
AISI 430 / 304

Coating
ELECTROSTATIC POWDER EPOXY

Working Pressure Range
0.1 - 1 bar / 1 - 16 bar



7350 COMBINATION ARV

DN50 → DN80
PN 16

End Connection
FLANGED EN 1092-2 / ISO 7005-2

Body
GGG40/50 DUCTILE IRON

Sealing
EPDM

Filter
AISI 430 / 304

Coating
ELECTROSTATIC POWDER EPOXY

Working Pressure Range
0.1 - 1 bar / 1 - 16 bar



7360 THREADED ARV

DN15 → DN50
PN 16-25-40

End Connection
THREADED EN ISO 228-1

Body
GGG40/50 DUCTILE IRON

Sealing
EPDM

Coating
ELECTROSTATIC POWDER EPOXY

Working Pressure Range
0.1 - 1 bar / 1 - 16 bar



BRASS VALVES



4000 BALL VALVE

DN15 → DN100
PN 25

Design

TSE CEN - TS 13547

End Connection

THREADED EN ISO 228-1

Body

Brass - CuZn40Pb2



4100 GAS BALL VALVE

DN15 → DN50
PN 10

Design

EN 331

End Connection

THREADED EN ISO 228-1

Body

Brass - CuZn40Pb2



4010 BALL VALVE (MALE/FEMALE)

DN15 → DN20
PN 25

End Connection

THREADED

Body

Brass - CuZn40Pb2



4020 BALL VALVE WITH ADAPTOR (MALE/FEMALE)

DN20 → DN32
PN 25

End Connection

THREADED

Body

Brass - CuZn40Pb2



4030/4040 MINI BALL VALVE

16 mm (Male/Female)
PN 10

End Connection

THREADED

Body

Brass - CuZn40Pb2



4600 CALORIMETERS VALVE

DN25 (with/without union)

End Connection

THREADED

Body

Brass - CuZn40Pb2



4200 STRAINER

DN15 → DN50
PN 16

End Connection

THREADED EN ISO 228-1

Body

Brass - CuZn40Pb2



4300 SPRING CHECK VALVE

DN15 → DN80
PN 16

End Connection

THREADED EN ISO 228-1

Body

Brass - CuZn40Pb2



4350 SWING CHECK VALVE

DN15 → DN50
PN 16

End Connection

THREADED EN ISO 228-1

Body

Brass - CuZn40Pb2

HYDRANTS - OTHER PRODUCTS



**3960
FLANGE
ADAPTOR**

**DN40 → DN600
PN 16**

End Connection
FLANGED EN 1092-2/ISO 7005-2

Body
GG25 CAST IRON
GGG40/50 DUCTILE IRON

Studs / Nuts
8.8 GALVANISED STEEL

Sealing
EPDM

Coating
INDUSTRIAL EPOXY
ELECTROSTATIC POWDER EPOXY



**3970
COUPLING**

**DN40 → DN600
PN 16**

Body
GG25 CAST IRON
GGG40/50 DUCTILE IRON

Studs / Nuts
8.8 GALVANISED STEEL

Sealing
EPDM

Coating
INDUSTRIAL EPOXY
ELECTROSTATIC POWDER EPOXY



**7200
FOOT VALVE**

**DN40 → DN400
PN 16**

End Connection
FLANGED EN 1092-2/ISO 7005-2

Body
GGG40/50 DUCTILE IRON

Disc
GGG40/50 DUCTILE IRON

Stem
AISI420/304/316

Filter
AISI304



**7100
HYDRANT**

**DN80 → DN100
PN 16**

Design
EN 14384

End Connection
FLANGED EN 1092-2/ISO 7005-2

Body
GGG40/50 DUCTILE IRON

Outlet
ALUMINIUM - BRASS

Stem
AISI 420

Sealing
EPDM

Coating
INDUSTRIAL EPOXY
ELECTROSTATIC POWDER EPOXY



**7150
HYDRANT
UNDERGROUND**

**DN80 → DN100
PN 16**

Design
EN 14339

End Connection
FLANGED EN 1092-2/ISO 7005-2

Gövde
GGG40/50 DUCTILE IRON

Outlet
ALUMINIUM - BRASS

Stem
AISI 420

Sealing
EPDM

Coating
INDUSTRIAL EPOXY
ELECTROSTATIC POWDER EPOXY



**7250
EXTENSION SPINDLE
SURFACE BOX**

0,5m → 4m

Body
GG25 CAST IRON
GGG40/50 DUCTILE IRON

Cover
GG25 CAST IRON
GGG40/50 DUCTILE IRON

Stem
ST37 STEEL

Spindle Cover
PE (POLYETHYLENE)



CONTROL VALVES



7410 PRESSURE REDUCING CONTROL VALVES

DN40 → DN300
PN 16-25

The metal pilot is made of brass material.

All metal fittings are made of brass material.

Body
GGG40 DUCTILE IRON

Coating
ELECTROSTATIC POWDER EPOXY



7440 PRESSURE SUSTAINING PRESSUREREDUCING CONTROL VALVES

DN40 → DN300
PN 16-25

The metal pilot is made of brass material.

All metal fittings are made of brass material.

Body
GGG40 DUCTILE IRON

Coating
ELECTROSTATIC POWDER EPOXY



7460 FLOAT LEVEL CONTROL VALVE

DN40 → DN300
PN 16-25

The metal pilot is made of brass material.

All metal fittings are made of brass material.

Body
GGG40 DUCTILE IRON

Coating
ELECTROSTATIC POWDER EPOXY



7480 SURGE ANTICIPATING CONTROL VALVE

DN40 → DN300
PN 16-25

The metal pilot is made of brass material.

All metal fittings are made of brass material.

Body
GGG40 DUCTILE IRON

Coating
ELECTROSTATIC POWDER EPOXY



7520 SOLENOID CONTROL VALVE

DN40 → DN300
PN 16-25

The metal pilot is made of brass material.

All metal fittings are made of brass material.

Body
GGG40 DUCTILE IRON

Coating
ELECTROSTATIC POWDER EPOXY



7520Y Y TYPE SOLENOID CONTROL VALVE

DN40 → DN500
PN 16-25

The metal pilot is made of brass material.

All metal fittings are made of brass material.

Body
GGG40 DUCTILE IRON

Coating
ELECTROSTATIC POWDER EPOXY



7440Y Y TYPE PRESSURE SUSTAINING PRESSUREREDUCING CONTROL VALVES

DN40 → DN500
PN 16-25

The metal pilot is made of brass material.

All metal fittings are made of brass material.

Body
GGG40 DUCTILE IRON

Coating
ELECTROSTATIC POWDER EPOXY



7460Y Y TYPE FLOAT LEVEL CONTROL VALVE

DN40 → DN500
PN 16-25

The metal pilot is made of brass material.

All metal fittings are made of brass material.

Body
GGG40 DUCTILE IRON

Coating
ELECTROSTATIC POWDER EPOXY



7480Y Y TYPE SURGE ANTICIPATING CONTROL VALVE

DN40 → DN500
PN 16-25

The metal pilot is made of brass material.

All metal fittings are made of brass material.

Body
GGG40 DUCTILE IRON

Coating
ELECTROSTATIC POWDER EPOXY



7520Y Y TYPE SOLENOID CONTROL VALVE

DN40 → DN500
PN 16-25

The metal pilot is made of brass material.

All metal fittings are made of brass material.

Body
GGG40 DUCTILE IRON

Coating
ELECTROSTATIC POWDER EPOXY

Product show



Rigid Coupling
XGQT1



Flexible Coupling
XGQT2



Reducing Flexible Coupling
XGQT5



Angle Pad Rigid Coupling
XGQT6



Heavy Duty
Flexible Coupling
XGQT12



Shouldered Flexible
Coupling



Boltless Coupling



Grooved Fitting Galvanized Threaded Concentric Reducer
XGQT07S



Grooved Concentric Reducer
XGQT07



Tee
XGQT03



Threaded Reducing Tee
XGQT13S



Grooved Reducing Tee
XGQT13



Cross
XGQT14



90° Elbow
XGQT01



45° Elbow
XGQT02



22.5° Elbow
XGQT16



11.25° Elbow
XGQT10



Grooved Reducing Cross
XGQT15



Threaded Reducing Cross
XGQT15S



Cap
XGQT09



U-Bolt Mechanical Tee
XGQT3U



Grooved Flange
XGQT8



Adaptor Flange
XGQT08



Mechanical Tee Threaded Outlet
XGQT3S

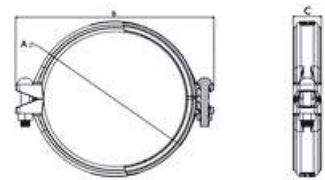


Mechanical Tee Grooved Outlet
XGQT3



Mechanical Cross Threaded Outlet
XGQT4S

XGQT1 Rigid Coupling



Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension			Bolt/Nut
			A mm/in	B mm/in	C mm/in	
25	33.7	300	56	96	45	10*45
1	1.327	2.07	2.205	3.780	1.772	10*45
32	42.4	300	66	106	45	10*45
1 1/4	1.669	2.07	2.598	4.173	1.772	10*45
40	48.3	300	72	114	45	10*45
1 1/2	1.9	2.07	2.835	4.488	1.772	10*45
50	60.3	300	81	126	47	10*55
2	2.375	2.07	3.189	4.961	1.772	10*55
65	73	300	95	139	47	10*55
2 1/2	2.875	2.07	3.740	5.472	1.772	10*55
65	76.1	300	99	143	47	10*55
3 OD	3	2.07	3.898	5.630	1.772	10*55
80	88.9	300	112	157	48	10*55
3	3.5	2.07	4.409	6.181	1.890	10*55
100	114.3	300	138	193	50	12*65
4	4.5	2.07	5.433	7.598	1.969	12*65
125	139.7	300	166	221	50	12*65
5 1/2 OD	5.5	2.07	6.535	8.701	1.969	12*65
125	141.3	300	169	222	50	12*65
5	5.563	2.07	6.654	8.740	1.969	12*65
150	165.1	300	193	250	51	12*70
6 1/2 OD	6.5	2.07	7.598	9.843	2.008	12*70
150	168.3	300	196	256	51	12*70
6	6.625	2.07	7.717	10.079	2.008	12*70
200	219.1	300	254	322	63	16*85
8	8.625	2.07	10.000	12.677	2.480	16*85
250	273	300	313	392	64	20*100
10	10.75	2.07	12.323	15.433	2.520	20*100
300	323.9	300	366	445	66	20*110
12	12.75	2.07	14.409	17.520	2.598	20*110

XGQT2 Flexible Coupling



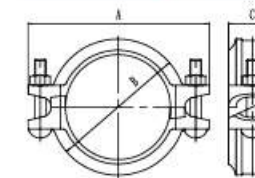
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension			Bolt/Nut
			A mm/in	B mm/in	C mm/in	
25	33.7	300	56	96	45	10*45
1	1.327	2.07	2.205	3.780	1.772	10*45
32	42.4	300	66	106	45	10*45
1 1/4	1.669	2.07	2.598	4.173	1.772	10*45
40	48.3	300	72	114	45	10*45
1 1/2	1.9	2.07	2.835	4.488	1.772	10*45
50	60.3	300	81	126	47	10*50
2	2.375	2.07	3.189	4.961	1.850	10*50
65	73	300	95	139	47	10*55
2 1/2	2.875	2.07	3.740	5.472	1.850	10*55
65	76.1	300	99	143	47	10*55
3 OD	3	2.07	3.898	5.630	1.850	10*55
80	88.9	300	112	157	48	10*55
3	3.5	2.07	4.409	6.181	1.890	10*55
100	114.3	300	138	193	50	12*65
4	4.5	2.07	5.433	7.598	1.969	12*65
125	139.7	300	166	221	50	12*65
5 1/2 OD	5.5	2.07	6.535	8.701	1.969	12*65
150	165.1	300	193	250	51	12*70
6 1/2 OD	6.5	2.07	7.598	9.843	2.008	12*70
150	168.3	300	196	256	51	12*70
6	6.625	2.07	7.717	10.079	2.008	12*70
200	219.1	300	254	322	63	16*85
8	8.625	2.07	10.000	12.677	2.480	16*85
250	273	300	313	392	64	20*100
10	10.75	2.07	12.323	15.433	2.520	20*100
300	323.9	300	366	445	66	20*110
12	12.75	2.07	14.409	17.520	2.598	20*110

Shouldered Flexible Coupling



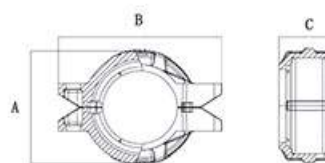
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension			Bolt/Nut
			A mm/in	B mm/in	C mm/in	
50	60.3	580	88	125	46	10
2	2.375	4.0	3.465	4.92	1.81	10
80	88.9	580	119	160	49	10
3	3.5	4.0	4.685	6.299	1.929	10
100	114.3	507.5	152	190	50	12
4	4.5	3.5	5.984	7.48	1.97	12
150	165.1	507.5	201	256	50	14
6	6.5	3.5	7.913	10.079	1.969	14
200	219.1	435	265	340	60	20
8	8.625	3.0	10.433	13.39	2.36	20
250	273	362.5	321	408	62	22
10	10.75	2.5	12.638	16.063	2.441	22
300	323.9	362.5	380	463	64	22
12	12.75	2.5	14.961	18.23	2.52	22

XGQT6 Angle Rad Rigid Coupling



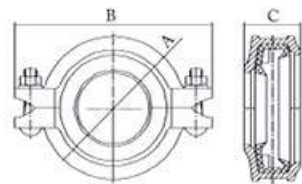
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension			Bolt/Nut
			A mm/in	B mm/in	C mm/in	
50	60.3	300	83	126	48	10*55
2	2.375	2.07	3.268	4.96	1.89	10*55
65	76.1	300	99	143	48	10*60
2 1/2	3	2.07	3.898	5.630	1.890	10*60
80	88.9	300	112	161	48	12*65
3	3.5	2.07	4.409	6.34	1.89	12*65
100	114.3	300	139	198	51	14*75
4	4.5	2.07	5.472	7.795	2.008	14*75
125	139.7	300	170	228	52	14*75
5	5.5	2.07	6.693	8.98	2.05	14*75
150	165.1	300	194	261	52	16*85
6	6.5	2.07	7.638	10.276	2.047	16*85
200	219.1	300	258	332	62	20*100
8	8.625	2.07	10.157	13.07	2.44	20*100

Heavy Duty Flexible/Rigid Coupling



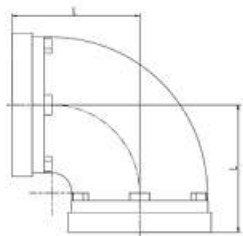
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension			Bolt/Nut
			A mm/in	B mm/in	C mm/in	
50	60.3	500	86	125	46	M10*55
2	2.375	3.45	3.386	4.92	1.81	M10*55
65	73	500	99	146.00	47	M12*65
2 1/2	2.875	3.45	3.89	5.75	1.85	M12*65
65	76.1	500	102	150	47	M12*65
2 1/2	3	3.45	4.02	5.90	1.85	M12*65
80	88.9	500	115	164	47	M12*65
3	3.5	3.45	4.53	6.46	1.85	M12*65
100	114.3	500	142	190	50	M12*70
4	4.5	3.45	5.59	7.48	1.97	M12*70
150	165.1	500	200	256	50	M14*90
6	6.5	3.45	7.87	10.00	1.97	M14*90
150	168.3	500	204	260	50	M14*90
6	6.625	3.45	8.03	10.24	1.97	M14*90
200	219.1	500	266	340	60	M20*110
8	8.625	3.45	10.47	13.39	2.36	M20*110

XGQT5 Reducing Flexible Coupling



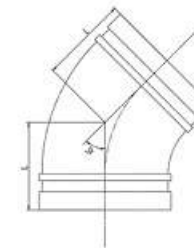
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension			Bolt/Nut
			A mm/in	B mm/in	C mm/in	
50 x 40	60.3 x 48.3	300	87	130	48	10*55
2 x 1½	2.375 x 1.900	2.07	3.425	5.118	1.89	
65 x 40	73.0 x 48.3	300	100	142	48	10*60
2½ x 1½	2.875 x 1.900	2.07	3.937	5.591	1.890	
65 x 50	73.0 x 60.3	300	100	142	48	10*60
2½ x 2	2.875 x 3.375	2.07	3.937	5.591	1.890	
65 x 40	76.1 x 48.3	300	102	147	48	10*60
3OD x 1½	3.000 x 1.900	2.07	4.016	5.787	1.890	
65 x 50	76.1 x 60.3	300	102	147	48	10*60
3OD x 2	3.000 x 2.375	2.07	4.016	5.787	1.890	
80 x 40	88.9 x 48.3	300	116	165	49	12*70
3 x 1½	3.500 x 1.900	2.07	4.567	6.496	1.929	
80 x 50	88.9 x 60.3	300	116	165	49	12*70
3 x 2	3.500 x 2.375	2.07	4.567	6.496	1.929	
80 x 65	88.9 x 73.0	300	116	165	49	12*70
3 x 2½	3.500 x 2.375	2.07	4.567	6.496	1.929	
80 x 65	88.9 x 76.1	300	116	165	49	12*70
3 x 3OD	3.500 x 3.000	2.07	4.567	6.496	1.929	
100 x 32	114.3 x 42.4	300	146	200	52	14*75
4 x 1¼	4.500 x 1.689	2.07	5.748	7.874	2.047	
100 x 40	114.3 x 48.3	300	146	200	52	14*75
4 x 1½	4.500 x 1.900	2.07	5.748	7.874	2.047	
100 x 50	114.3 x 60.3	300	146	200	52	14*75
4 x 2	4.500 x 2.375	2.07	5.748	7.874	2.047	
100 x 65	114.3 x 73.0	300	146	200	52	14*75
4 x 2½	4.500 x 1.327	2.07	5.748	7.874	2.047	
100 x 65	114.3 x 76.1	300	146	200	52	14*75
4 x 3OD	4.500 x 3.000	2.07	5.748	7.874	2.047	
100 x 80	114.3 x 88.9	300	146	200	52	14*75
4 x 3	4.500 x 3.500	2.07	5.748	7.874	2.047	
150 x 100	165.1 x 114.3	300	197	255	51	16*90
6½ x 4	6.500 x 4.500	2.07	7.756	10.039	2.008	
150 x 80	168.3 x 88.9	300	200	259	52	16*90
6 x 3	6.625 x 3.500	2.07	7.874	10.197	2.047	
150 x 100	168.3 x 114.3	300	200	259	52	16*90
6 x 4	6.625 x 4.500	2.07	7.874	10.197	2.047	
150 x 125	168.3 x 139.7	300	210	259	53	16*90
6 x 5½OD	6.625 x 5.500	2.07	8.268	10.197	2.087	
200 x 150	219.1 x 168.3	300	258	335	62	20*110
8 x 6	8.625 x 6.625	2.07	10.157	13.189	2.441	

XGQT01 90° Elbow



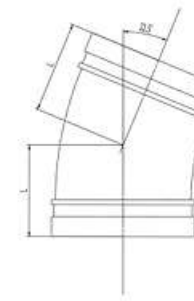
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	
			Standard	Short
25	33.7	300	57	57
1	1.315	2.07	2.244	2.244
32	42.4	300	70	60
1¼	1.66	2.07	2.756	2.362
40	48.3	300	70	60
1½	1.9	2.07	2.756	2.362
50	60.3	300	83	70
2	2.375	2.07	3.268	2.756
65	73	300	95	76
2½	2.875	2.07	3.740	2.992
65	76.1	300	95	76
3OD	3	2.07	3.740	2.992
80	88.9	300	108	86
3	3.5	2.07	4.252	3.386
100	114.3	300	127	102
4	4.5	2.07	5.000	4.016
125	139.7	300	140	122
5½OD	5.5	2.07	5.512	4.803
150	165.1	300	165	140
6¼OD	6.5	2.07	6.496	5.512
150	168.3	300	165	140
6	6.625	2.07	6.496	5.512
200	219.1	300	197	175
8	8.625	2.07	7.756	6.890
250	273	300	229	215
10	10.75	2.07	9.016	8.465
300	323.9	300	254	245
12	12.75	2.07	10.000	9.646

XGQT02 45° Elbow



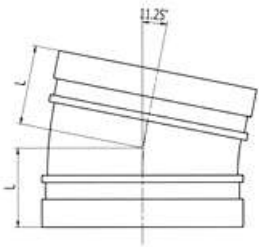
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in
25	33.7	300	44
1	1.315	2.07	1.732
32	42.4	300	45
1¼	1.66	2.07	1.772
40	48.3	300	45
1½	1.9	2.07	1.772
50	60.3	300	51
2	2.375	2.07	2.008
65	73	300	57
2½	2.875	2.07	2.244
65	76.1	300	57
3OD	3	2.07	2.244
80	88.9	300	64
3	3.5	2.07	2.520
100	114.3	300	76
4	4.5	2.07	2.992
125	139.7	300	83
5½OD	5.5	2.07	3.268
150	165.1	300	89
6¼OD	6.5	2.07	3.504
150	168.3	300	89
6	6.625	2.07	3.504
200	219.1	300	108
8	8.625	2.07	4.252
250	273	300	121
10	10.75	2.07	4.764
300	323.9	300	133
12	12.75	2.07	5.236

XGQT16 22.5° Elbow



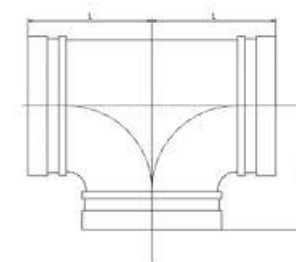
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in
25	33.7	300	44
1	1.315	2.07	1.732
32	42.4	300	45
1¼	1.66	2.07	1.772
40	48.3	300	45
1½	1.9	2.07	1.772
50	60.3	300	51
2	2.375	2.07	2.008
65	73	300	51
2½	2.875	2.07	2.008
65	76.1	300	51
3OD	3	2.07	2.008
80	88.9	300	57
3	3.5	2.07	2.244
100	114.3	300	73
4	4.5	2.07	2.874
125	139.7	300	73
5½OD	5.5	2.07	2.874
150	165.1	300	79
6¼OD	6.5	2.07	3.110
150	168.3	300	79
6	6.625	2.07	3.110
200	219.1	300	98
8	8.625	2.07	3.858
250	273	300	111
10	10.75	2.07	4.370
300	323.9	300	124
12	12.75	2.07	4.882

XGQT10 11.25° Elbow



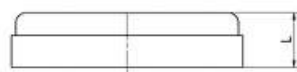
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in
			11.25° Elbow
25	33.7	300	35
1	1.315	2.07	1.378
32	42.4	300	35
1¼	1.66	2.07	1.378
40	48.3	300	35
1½	1.9	2.07	1.378
50	60.3	300	35
2	2.375	2.07	1.378
65	73	300	38
2½	2.875	2.07	1.496
65	76.1	300	38
3OD	3	2.07	1.496
80	88.9	300	38
3	3.5	2.07	1.496
100	114.3	300	45
4	4.5	2.07	1.772
125	139.7	300	51
5½OD	5.5	2.07	2.008
150	165.1	300	51
6½OD	6.5	2.07	2.008
150	168.3	300	51
6	6.625	2.07	2.008
200	219.1	300	51
8	8.625	2.07	2.008
250	273	300	54
10	10.75	2.07	2.126
300	323.9	300	57
12	12.75	2.07	2.244

XGQT03 Tee



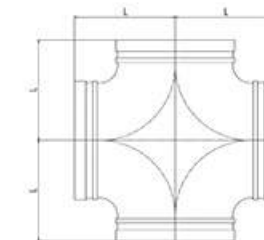
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	
			Standard	Short
25	33.7	300	57	57
1	1.315	2.07	2.244	2.244
32	42.4	300	70	60
1¼	1.66	2.07	2.756	2.362
40	48.3	300	70	60
1½	1.9	2.07	2.756	2.362
50	60.3	300	83	70
2	2.375	2.07	3.268	2.756
65	73	300	95	76
2½	2.875	2.07	3.740	2.992
65	76.1	300	95	76
3OD	3	2.07	3.740	2.992
80	88.9	300	108	86
3	3.5	2.07	4.252	3.386
100	114.3	300	127	102
4	4.5	2.07	5.000	4.016
125	139.7	300	140	122
5½OD	5.5	2.07	5.512	4.803
150	165.1	300	165	140
6½OD	6.5	2.07	6.496	5.512
150	168.3	300	165	140
6	6.625	2.07	6.496	5.512
200	219.1	300	197	175
8	8.625	2.07	7.756	6.890
250	273	300	229	215
10	10.75	2.07	9.016	8.465
300	323.9	300	254	245
12	12.75	2.07	10.000	9.646

XGQT09 Cap



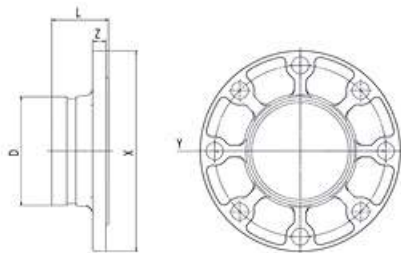
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in
			Cap
25	33.7	300	22
1	1.315	2.07	0.866
32	42.4	300	24
1¼	1.66	2.07	0.945
40	48.3	300	24
1½	1.9	2.07	0.945
50	60.3	300	24
2	2.375	2.07	0.945
65	73	300	24
2½	2.875	2.07	0.945
65	76.1	300	24
3OD	3	2.07	0.945
80	88.9	300	24
3	3.5	2.07	0.945
100	108	300	27
4¼OD	4.25	2.07	1.063
100	114.3	300	27
4	4.5	2.07	1.063
125	139.7	300	27
5½OD	5.5	2.07	1.063
150	165.1	300	27
6½OD	6.5	2.07	1.063
150	168.3	300	27
6	6.625	2.07	1.063
200	219.1	300	30
8	8.625	2.07	1.181
250	273	300	32
10	10.75	2.07	1.260
300	323.9	300	32
12	12.75	2.07	1.260

XGQT14 Cross



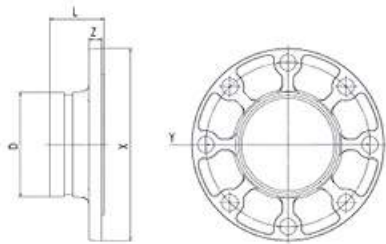
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in
			mm/in
25	33.7	300	57
1	1.315	2.07	2.244
32	42.4	300	60
1¼	1.66	2.07	2.362
40	48.3	300	60
1½	1.9	2.07	2.362
50	60.3	300	70
2	2.375	2.07	2.756
65	73	300	76
2½	2.875	2.07	2.992
65	76.1	300	76
3OD	3	2.07	2.992
80	88.9	300	86
3	3.5	2.07	3.386
100	114.3	300	102
4	4.5	2.07	4.016
125	139.7	300	122
5½OD	5.5	2.07	4.803
150	165.1	300	140
6½OD	6.5	2.07	5.512
150	168.3	300	140
6	6.625	2.07	5.512
200	219.1	300	175
8	8.625	2.07	6.890
250	273	300	215
10	10.75	2.07	8.465
300	323.9	300	245
12	12.75	2.07	9.646

XGQT08 Adaptor Flange Class150



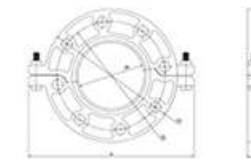
Nominal Size	Pipe O.D	Dimension				Bolt/Nut No. - SIZE
		L	X	Y	Z	
mm/in	mm/in	mm/in	mm/in	mm/in	mm/in	
50	60.3	65	155	121	16	4-M16
2	2.375	2.559	6.102	4.764	0.630	
65	73	65	185	140	16	4-M16
2½	2.875	2.559	7.283	5.512	0.630	
80	88.9	65	190	153	16	8-M16
3	3.5	2.559	7.480	6.024	0.630	
100	114.3	70	230	191	17	8-M16
4	4.5	2.756	9.055	7.520	0.669	
125	141.3	70	257	216	18	8-M16
5	5.563	2.756	10.118	8.504	0.630	
150	168.3	70	285	241	19	8-M20
6	6.625	2.756	11.220	9.488	0.748	
200	219.1	75	345	299	19	8-M20
8	8.625	2.953	13.583	11.772	0.748	
250	273	85	406	362	21	12-M24
10	10.75	3.346	15.984	14.252	0.827	
300	323.9	90	485	432	25	12-M24
12	12.75	3.543	19.094	17.008	0.984	

XGQT08 Adaptor Flange PN16



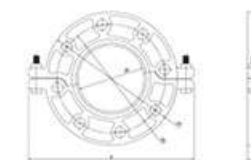
Nominal Size	Pipe O.D	Working Pressure PSI/MPa	Dimension				Bolt/Nut No. - SIZE
			L	X	Y	Z	
mm/in	mm/in	PSI/MPa	mm/in	mm/in	mm/in	mm/in	
50	60.3	225	65	164	125	16	4-M16
2	2.2375	1.6	2.559	6.457	4.921	0.63	
65	73	225	65	184	145	16	4-M16
2½	2.875	1.6	2.559	7.244	5.709	0.63	
80	88.9	225	65	200	160	16	8-M16
3	3.5	1.6	2.559	7.874	6.299	0.63	
100	108	225	65	210	180	16	8-M16
4¼ OD	4.25	1.6	2.559	8.268	7.087	0.63	
100	114.3	225	70	219	180	16	8-M16
4	4.5	1.6	2.756	8.622	7.087	0.63	
125	133	225	70	250	210	18	8-M16
5¼ OD	5.25	1.6	2.756	9.843	8.268	0.709	
125	139.7	225	70	250	210	18	8-M16
5¼ OD	5.5	1.6	2.756	9.843	8.268	0.709	
125	141.3	225	70	250	210	18	8-M16
5	5.563	1.6	2.756	9.843	8.268	0.709	
150	159	225	70	285	240	18	8-M20
6¼ OD	6.25	1.6	2.756	11.220	9.449	0.709	
150	165.1	225	70	286	240	18	8-M20
6¼ OD	6.5	1.6	2.756	11.260	9.449	0.709	
150	168.3	225	70	285	240	18	8-M20
6	6.625	1.6	2.756	11.220	9.449	0.709	
200	219.1	225	80	341	295	19	12-M20
8	8.625	1.6	3.150	13.425	11.614	0.748	
250	273	225	80	402	355	22	12-M24
10	10.75	1.6	3.150	15.827	13.976	0.866	
300	323.9	225	90	450	410	25	12-M24
12	12.75	1.6	3.543	17.717	16.142	0.984	

XGQT8 Flange Coupling (Grooved Flange)Class150



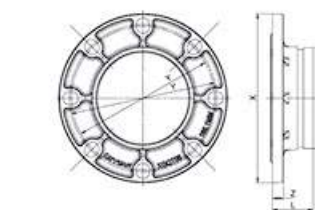
Nominal Size	Pipe O.D	Dimension					Bolt/Nut
		A	B	C	D	E	
mm/in	mm/in	mm/in	mm/in	mm/in	mm/in	mm/in	
50	60.3	210	24	157	121	56.8	10*60
2	2.375	8.268	0.945	6.181	4.764	2.236	
65	73	232	24	181	140	68.5	10*60
2½	2.875	9.134	0.945	7.126	5.512	2.697	
80	88.9	248	24	192	152	84.8	10*60
3	3.5	9.764	0.945	7.559	5.984	3.339	
100	114.3	284	25	231	191	109.5	10*60
4	4.5	11.181	0.984	9.094	7.520	4.311	
125	141.3	321	25	255	216	137.2	10*70
5	5.563	12.638	0.984	10.039	8.504	5.402	
150	168.3	344	25	286	242	163.3	10*70
6	6.625	13.543	0.984	11.260	9.528	6.429	
200	219.1	404	30	342	298	214	12*75
8	8.625	15.906	1.181	13.465	11.732	8.425	

XGQT8 Flange Coupling (Grooved Flange)PN16



Nominal Size	Pipe O.D	Working Pressure PSI/MPa	Dimension					Bolt/Nut
			A	B	C	D	E	
mm/in	mm/in	PSI/MPa	mm/in	mm/in	mm/in	mm/in	mm/in	
50	60.3	225	210	24	166	125	56.8	4-M16
2	2.375	1.6	8.268	0.945	6.535	4.921	2.236	
65	73	225	232	24	181	145	68.5	4-M16
2½	2.875	1.6	9.134	0.945	7.126	5.709	2.697	
80	88.9	225	248	24	186	145	72	4-M16
3OD	3	1.6	9.528	0.945	7.323	5.709	2.835	
100	114.3	225	277	24	222	180	109.5	8-M16
4	4.5	1.6	10.906	0.945	8.740	7.087	4.311	
125	139.7	225	300	24	252	210	135.3	8-M16
5¼ OD	5.5	1.6	11.811	0.945	9.921	8.268	5.327	
125	141.3	225	325	24	254	210	136.7	8-M16
5	5.563	1.6	12.795	0.945	10.000	8.268	5.382	
150	165.1	225	350	25	285	240	160.3	8-M20
6¼ OD	6.5	1.6	13.780	0.984	11.220	9.449	6.311	
150	168.3	225	350	25	287	240	163.3	8-M20
6	6.625	1.6	13.780	0.984	11.299	9.449	6.429	
200	219.1	225	418	30	342	295	214	12-M20
8	8.625	1.6	16.457	1.181	13.465	11.614	8.425	

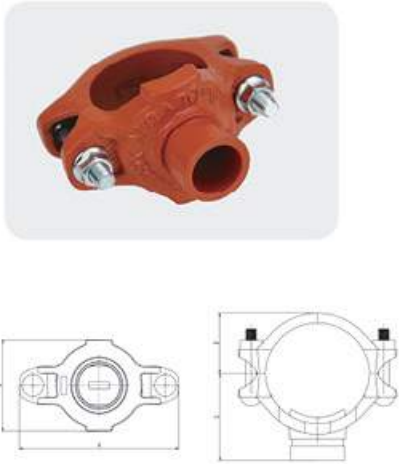
Universal Flange Adaptor



Nominal Size	Pipe O.D	L	X	Y: Flange Drilling				Z	Bolt Size		Unit Weight Kgs
				ANSI	PN	JIS	BS		Dia	No.	
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
50	60.3	65	165	121	125	120	114	16	M16	4	1.33
2	2.375	2.56	6.50	4.75	4.92	4.72	4.49	0.63	5/8		
65	73	65	185	140	145	140	127	16	M16	4	1.58
2½	2.875	2.56	7.28	5.50	5.70	5.50	5.00	0.63	5/8		
76.1	76.1	65	185	140	145	140	127	16	M16	4	1.59
3	3.000	2.56	7.28	5.50	5.70	5.50	5.00	0.63	5/8		
80	88.9	65	200	152	160	150	146	16	M16	4/8	1.99
3	3.500	2.56	7.87	6.00	6.30	5.90	5.75	0.63	5/8		
100	114.3	70	225	191	180	175	178	16	M16	8	2.64
4	4.500	2.76	8.86	7.50	7.09	6.89	7.00	0.63	5/8		
139.7	139.700	70	254.00	216	210	210	210.00	16	M16/M20	8	3.54
5	5.500	2.76	10.00	8.50	8.27	8.27	8.27	0.63	5/8 / 3/4		
125	141.3	70	254.00	216	210	210		22	M16/M20	8	3.54
5	5.563	2.76	10.00	8.50	8.27	8.27		0.87	5/8 / 3/4		
165.1	165.1	70	272	241	240	240	235	16	M20	8	3.92
6	6.500	2.76	10.71	9.50	9.45	9.45	9.30	0.63	3/4		
150	168.3	70	272	241	240	240		22	M20	8	3.92
6	6.625	2.76	10.71	9.50	9.45	9.45		0.87	3/4		
200	219.1	80	343	298	295	290	292	22	M20	8/12	6.20
8	8.625	3.15	13.50	11.75	11.61	11.42	11.50	0.87	3/4		

XGQT3

Mechanical Tee Grooved Outlet



Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Hole Dia mm/in +1.6,0/ +0.063,0	Dimension mm/in				Bolt Size
				A	B	C	D	
50 x 20 2 x 3/4	60.3 x 26.9 2.375 x 1.05	300 2.07	38 1.496	114 4.488	69 2.717	58 2.283	38 1.496	10*60
50 x 25 2 x 1	60.3 x 33.7 2.375 x 1.315	300 2.07	38 1.496	114 4.488	69 2.717	58 2.283	38 1.496	10*60
50 x 32 2 x 1 1/4	60.3 x 42.4 2.375 x 1.660	300 2.07	46 1.811	114 4.488	77 3.031	66 2.598	38 1.496	10*60
50 x 40 2 x 1 1/2	60.3 x 48.3 2.375 x 1.900	300 2.07	46 1.811	114 4.488	77 3.031	60 2.362	38 1.496	10*60
65 x 25 2 1/2 x 1	73.0 x 33.7 2.875 x 1.315	300 2.07	38 1.496	126 4.961	70 2.756	74 2.913	46 1.811	10*65
65 x 32 2 1/2 x 1 1/4	73.0 x 42.4 2.875 x 1.660	300 2.07	46 1.811	126 4.961	77 3.031	74 2.913	46 1.811	10*65
65 x 40 2 1/2 x 1 1/2	73.0 x 48.3 2.875 x 1.900	300 2.07	46 1.811	126 4.961	77 3.031	74 2.913	46 1.811	10*65
65 x 25 3OD x 1	73.0 x 33.7 3.000 x 1.315	300 2.07	38 1.496	130 5.118	69 2.717	74 2.913	47 1.850	10*65
65 x 32 3OD x 1 1/4	73.0 x 42.4 3.000 x 1.660	300 2.07	46 1.811	130 5.118	77 3.031	74 2.913	47 1.850	10*65
65 x 40 3OD x 1 1/2	73.0 x 48.3 3.000 x 1.900	300 2.07	46 1.811	130 5.118	77 3.031	74 2.913	47 1.850	10*65
80 x 25 3 x 1	88.9 x 33.7 3.500 x 1.315	300 2.07	38 1.496	147 5.787	73 2.874	74 2.913	54 2.126	12*75
80 x 32 3 x 1 1/4	88.9 x 42.4 3.500 x 1.660	300 2.07	46 1.811	147 5.787	87 3.425	82 3.228	54 2.126	12*75
80 x 40 3 x 1 1/2	88.9 x 48.3 3.500 x 1.900	300 2.07	46 1.811	147 5.787	87 3.425	82 3.228	54 2.126	12*75
80 x 50 3 x 2	88.9 x 60.3 3.500 x 2.375	300 2.07	64 2.520	147 5.787	100 3.937	82 3.228	54 2.126	12*75
100 x 25 4 x 1	114.3 x 33.7 4.500 x 1.315	300 2.07	38 1.496	177 6.969	73 2.874	96 3.780	67 2.638	12*75
100 x 32 4 x 1 1/4	114.3 x 42.4 4.500 x 1.660	300 2.07	46 1.811	177 6.969	87 3.425	96 3.780	67 2.638	12*75
100 x 40 4 x 1 1/2	114.3 x 48.3 4.500 x 1.900	300 2.07	46 1.811	177 6.969	87 3.425	96 3.780	67 2.638	12*75
100 x 50 4 x 2	114.3 x 60.3 4.500 x 2.375	300 2.07	64 2.520	177 6.969	102 4.016	96 3.780	67 2.638	12*75
100 x 65 4 x 2 1/2	114.3 x 73.0 4.500 x 2.875	300 2.07	70 2.756	177 6.969	110 4.331	96 3.780	67 2.638	12*75
100 x 80 4 x 3	114.3 x 88.9 4.500 x 3.500	300 2.07	86 3.386	177 6.969	123 4.843	96 3.780	67 2.638	12*75
125 x 32 5 x 1 1/4	139.7 x 42.4 5.500 x 1.660	300 2.07	51 2.008	211 8.307	89 3.504	100 3.937	79 3.110	12*75
125 x 50 5 1/2 OD x 2	139.7 x 60.3 5.500 x 2.375	300 2.07	64 2.520	211 8.307	102 4.016	108 4.252	79 3.110	16*100
125 x 65 5 1/2 OD x 3OD	139.7 x 76.1 5.500 x 3.000	300 2.07	70 2.756	211 8.307	110 4.331	108 4.252	79 3.110	16*100
125 x 80 5 1/2 OD x 3	139.7 x 88.9 5.500 x 3.500	300 2.07	89 3.504	211 8.307	130 5.118	108 4.252	79 3.110	16*100
150 x 25 6 1/2 OD x 1	165.1 x 33.7 6.500 x 1.315	300 2.07	38 1.496	237 9.331	75 2.953	111 4.370	91 3.583	16*110
150 x 32 6 1/2 OD x 1 1/4	165.1 x 42.4 6.500 x 1.660	300 2.07	46 1.811	237 9.331	89 3.504	111 4.370	91 3.583	16*110
150 x 40 6 1/2 OD x 1 1/2	165.1 x 48.3 6.500 x 1.900	300 2.07	46 1.811	237 9.331	89 3.504	111 4.370	91 3.583	16*110
150 x 50 6 1/2 OD x 2	165.1 x 60.3 6.500 x 2.375	300 2.07	64 2.520	237 9.331	103 4.055	117 4.606	91 3.583	16*110
150 x 65 6 1/2 OD x 2 1/2	165.1 x 73.0 6.500 x 2.875	300 2.07	70 2.756	237 9.331	111 4.370	123 4.843	91 3.583	16*110
150 x 80 6 1/2 OD x 3OD	165.1 x 88.9 6.500 x 3.500	300 2.07	89 3.504	237 9.331	131 5.157	123 4.843	91 3.583	16*110
150 x 100 6 1/2 OD x 4	165.1 x 114.3 6.500 x 4.500	300 2.07	114 4.488	237 9.331	160 6.299	123 4.843	91 3.583	16*110
150 x 25 6 x 1	168.3 x 33.7 6.500 x 1.315	300 2.07	38 1.496	239 9.409	76 2.992	123 4.843	93 3.661	16*110
150 x 32 6 x 1 1/4	168.3 x 42.4 6.625 x 1.660	300 2.07	46 1.811	239 9.409	89 3.504	123 4.843	93 3.661	16*110
150 x 40 6 x 1 1/2	168.3 x 48.3 6.625 x 1.900	300 2.07	46 1.811	239 9.409	89 3.504	123 4.843	93 3.661	16*110
150 x 50 6 x 2	168.3 x 60.3 6.625 x 2.375	300 2.07	64 2.520	239 9.409	103 4.055	122 4.803	93 3.661	16*110
150 x 65 6 x 2 1/2	168.3 x 73.0 6.625 x 2.875	300 2.07	70 2.756	239 9.409	111 4.370	122 4.803	93 3.661	16*110
150 x 80 6 x 3	168.3 x 88.9 6.625 x 3.500	300 2.07	89 3.504	239 9.409	131 5.157	122 4.803	93 3.661	16*110
150 x 100 6 x 4	168.3 x 114.3 6.625 x 4.500	300 2.07	114 4.488	239 9.409	160 6.299	122 4.803	93 3.661	16*110

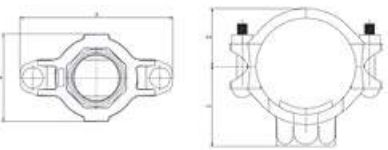
XGQT3S

Mechanical Tee Threaded Outlet



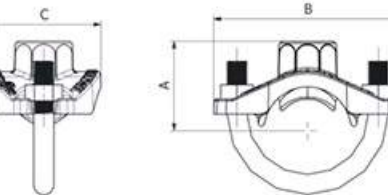
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Hole Dia mm/in +1.6,0/ +0.063,0	Dimension mm/in				Bolt Size
				A	B	C	D	
50 x 15 2 x 1/2	60.3 x 21.3 2.375 x 0.825	300 2.07	38 1.496	114 4.488	70 2.756	59 2.323	39 1.535	10*60
50 x 20 2 x 3/4	60.3 x 26.9 2.375 x 1.050	300 2.07	38 1.496	114 4.488	70 2.756	59 2.323	39 1.535	10*60
50 x 25 2 x 1	60.3 x 33.7 2.375 x 1.315	300 2.07	38 1.496	114 4.488	70 2.756	59 2.323	39 1.535	10*60
50 x 32 2 x 1 1/4	60.3 x 42.4 2.375 x 1.660	300 2.07	46 1.811	114 4.488	77 3.031	59 2.323	39 1.535	10*60
50 x 40 2 x 1 1/2	60.3 x 48.3 2.375 x 1.900	300 2.07	46 1.811	114 4.488	77 3.031	59 2.323	39 1.535	10*60
65 x 15 2 1/2 x 1/2	73.0 x 21.3 2.875 x 0.825	300 2.07	38 1.496	126 4.961	70 2.756	65 2.559	45 1.772	10*65
65 x 20 2 1/2 x 3/4	73.0 x 26.9 2.875 x 1.050	300 2.07	38 1.496	126 4.961	70 2.756	65 2.559	45 1.772	10*65
65 x 25 2 1/2 x 1	73.0 x 33.7 2.875 x 1.315	300 2.07	38 1.496	126 4.961	70 2.756	66 2.598	45 1.772	10*65
65 x 32 2 1/2 x 1 1/4	73.0 x 42.4 2.875 x 1.660	300 2.07	46 1.811	126 4.961	78 3.071	66 2.598	45 1.772	10*65
65 x 40 2 1/2 x 1 1/2	73.0 x 48.3 2.875 x 1.900	300 2.07	46 1.811	126 4.961	78 3.071	66 2.598	45 1.772	10*65
65 x 15 3OD x 1/2	73.0 x 21.3 3.000 x 0.825	300 2.07	38 1.496	130 5.118	70 2.756	67 2.638	47 1.850	10*65
65 x 20 3OD x 3/4	73.0 x 26.9 3.000 x 1.050	300 2.07	38 1.496	130 5.118	70 2.756	67 2.638	47 1.850	10*65
65 x 25 3OD x 1	73.0 x 33.7 3.000 x 1.315	300 2.07	38 1.496	130 5.118	70 2.756	67 2.638	47 1.850	10*65
65 x 32 3OD x 1 1/4	73.0 x 42.4 3.000 x 1.660	300 2.07	46 1.811	130 5.118	78 3.031	69 2.717	47 1.850	10*65
65 x 40 3OD x 1 1/2	73.0 x 48.3 3.000 x 1.900	300 2.07	46 1.811	130 5.118	78 3.031	69 2.717	47 1.850	10*65
80 x 15 3 x 1/2	88.9 x 21.3 3.500 x 0.825	300 2.07	38 1.496	148 5.827	72 2.835	75 2.953	54 2.126	12*75
80 x 20 3 x 3/4	88.9 x 26.9 3.500 x 1.050	300 2.07	38 1.496	148 5.827	72 2.835	75 2.953	54 2.126	12*75
80 x 25 3 x 1	88.9 x 33.7 3.500 x 1.315	300 2.07	38 1.496	148 5.827	72 2.835	75 2.953	54 2.126	12*75
80 x 32 3 x 1 1/4	88.9 x 42.4 3.500 x 1.660	300 2.07	51 2.008	148 5.827	87 3.425	75 2.953	54 2.126	12*75
80 x 40 3 x 1 1/2	88.9 x 48.3 3.500 x 1.900	300 2.07	51 2.008	148 5.827	87 3.425	75 2.953	54 2.126	12*75
80 x 50 3 x 2	88.9 x 60.3 3.500 x 2.375	300 2.07	64 2.520	148 5.827	100 3.937	79 3.110	54 2.126	12*75
100 x 15 4 x 1/2	114.3 x 21.3 4.500 x 0.825	300 2.07	38 1.496	177 6.969	72 2.835	87 3.425	67 2.638	12*75
100 x 20 4 x 3/4	114.3 x 26.9 4.500 x 1.050	300 2.07	38 1.496	177 6.969	72 2.835	87 3.425	67 2.638	12*75
100 x 25 4 x 1	114.3 x 33.7 4.500 x 1.315	300 2.07	38 1.496	177 6.969	72 2.835	87 3.425	67 2.638	12*75
100 x 32 4 x 1 1/4	114.3 x 42.4 4.500 x 1.660	300 2.07	46 1.811	177 6.969	87 3.425	87 3.425	67 2.638	12*75
100 x 40 4 x 1 1/2	114.3 x 48.3 4.500 x 1.900	300 2.07	46 1.811	177 6.969	87 3.425	87 3.425	67 2.638	12*75
100 x 50 4 x 2	114.3 x 60.3 4.500 x 2.375	300 2.07	64 2.520	177 6.969	102 4.016	93 3.661	67 2.638	12*75
100 x 65 4 x 2 1/2	114.3 x 73.0 4.500 x 2.875	300 2.07	70 2.756	177 6.969	110 4.331	97 3.819	67 2.638	12*75
100 x 80 4 x 3	114.3 x 88.9 4.500 x 3.500	300 2.07	89 3.504	177 6.969	131 5.157	97 3.819	67 2.638	12*75
125 x 15 5 1/2 OD x 1	139.7 x 21.3 5.500 x 0.825	300 2.07	38 1.496	210 8.268	88 3.465	100 3.937	79 3.110	16*100
125 x 20 5 1/2 OD x 1 1/4	139.7 x 26.9 5.500 x 1.050	300 2.07	38 1.496	210 8.268	88 3.465	100 3.937	79 3.110	16*100
125 x 25 5 1/2 OD x 1 1/2	139.7 x 33.7 5.500 x 1.315	300 2.07	38 1.496	210 8.268	88 3.465	100 3.937	79 3.110	16*100
125 x 32 5 1/2 OD x 2	139.7 x 42.4 5.500 x 1.660	300 2.07	46 1.811	210 8.268	103 4.055	105 4.134	79 3.110	16*100
125 x 40 5 1/2 OD x 2 1/2	139.7 x 48.3 5.500 x 1.900	300 2.07	46 1.811	210 8.268	103 4.055	105 4.134	79 3.110	16*100
125 x 50 5 1/2 OD x 3	139.7 x 60.3 5.500 x 2.375	300 2.07	64 2.520	210 8.268	110 4.331	111 4.370	79 3.110	16*100
125 x 65 5 1/2 OD x 3OD	139.7 x 88.9 5.500 x 3.500	300 2.07	89 3.504	210 8.268	131 5.157	114 4.488	79 3.110	16*100
150 x 25 6 1/2 OD x 1	165.1 x 33.7 6.500 x 1.315	300 2.07	38 1.496	239 9.409	75 2.953	112 4.409	91 3.583	16*110

XGQT3S Mechanical Tee Threaded Outlet



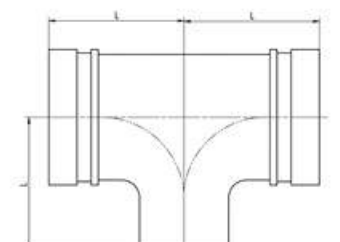
Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Hole Dia mm/in +1.6,0/ +0.063,0	Dimension mm/in				Bolt Size
				A	B	C	D	
150x32	165.1x42.4	300	51	236	89	112	91	16*110
6% OD x 1 1/4	6.500 x 1.660	2.07	2.008	9.291	3.504	4.409	3.583	
150x40	165.1x48.3	300	51	236	89	112	91	16*110
6% OD x 1 1/2	6.500 x 1.900	2.07	2.008	9.291	3.504	4.409	3.583	
150x50	165.1x60.3	300	64	239	103	117	91	16*110
6% OD x 2	6.500 x 2.375	2.07	2.520	9.291	4.055	4.606	3.583	
150x65	165.1x73.0	300	70	239	111	122	91	16*110
6% OD x 2 1/4	6.500 x 2.875	2.07	2.756	9.291	4.370	4.803	3.583	
150x80	165.1x88.9	300	70	239	111	122	91	16*110
6% OD x 3	6.500 x 3.000	2.07	2.756	9.291	4.370	4.803	3.583	
150x100	165.1x114.3	300	89	239	131	123	91	16*110
6% OD x 4	6.500 x 3.500	2.07	3.504	9.291	5.157	4.843	3.583	
150x125	165.1x141.3	300	114	239	160	123	91	16*110
6% OD x 5	6.500 x 4.000	2.07	4.488	9.291	6.299	4.843	3.583	
150x150	165.1x168.3	300	131	239	180	123	91	16*110
6% OD x 6	6.500 x 4.500	2.07	5.433	9.291	7.344	4.843	3.583	
150x200	165.1x219.1	300	165	239	236	123	91	16*110
6% OD x 8	6.500 x 6.000	2.07	7.874	9.291	10.414	4.843	3.583	
150x250	165.1x279.4	300	219	239	299	123	91	16*110
6% OD x 10	6.500 x 7.500	2.07	10.414	9.291	13.914	4.843	3.583	
150x300	165.1x330.7	300	279	239	359	123	91	16*110
6% OD x 12	6.500 x 9.000	2.07	12.914	9.291	16.414	4.843	3.583	
150x350	165.1x381.0	300	330	239	410	123	91	16*110
6% OD x 14	6.500 x 10.500	2.07	15.414	9.291	18.914	4.843	3.583	
150x400	165.1x431.3	300	381	239	460	123	91	16*110
6% OD x 16	6.500 x 12.000	2.07	17.914	9.291	21.414	4.843	3.583	
150x450	165.1x481.6	300	431	239	510	123	91	16*110
6% OD x 18	6.500 x 13.500	2.07	20.414	9.291	23.914	4.843	3.583	
150x500	165.1x531.9	300	481	239	560	123	91	16*110
6% OD x 20	6.500 x 15.000	2.07	22.914	9.291	26.414	4.843	3.583	
150x550	165.1x582.2	300	531	239	610	123	91	16*110
6% OD x 22	6.500 x 16.500	2.07	25.414	9.291	28.914	4.843	3.583	
150x600	165.1x632.5	300	582	239	660	123	91	16*110
6% OD x 24	6.500 x 18.000	2.07	27.914	9.291	31.414	4.843	3.583	
150x650	165.1x682.8	300	632	239	710	123	91	16*110
6% OD x 26	6.500 x 19.500	2.07	30.414	9.291	33.914	4.843	3.583	
150x700	165.1x733.1	300	682	239	760	123	91	16*110
6% OD x 28	6.500 x 21.000	2.07	32.914	9.291	36.414	4.843	3.583	
150x750	165.1x783.4	300	733	239	810	123	91	16*110
6% OD x 30	6.500 x 22.500	2.07	35.414	9.291	38.914	4.843	3.583	
150x800	165.1x833.7	300	783	239	860	123	91	16*110
6% OD x 32	6.500 x 24.000	2.07	37.914	9.291	41.414	4.843	3.583	
150x850	165.1x884.0	300	833	239	910	123	91	16*110
6% OD x 34	6.500 x 25.500	2.07	40.414	9.291	43.914	4.843	3.583	
150x900	165.1x934.3	300	884	239	960	123	91	16*110
6% OD x 36	6.500 x 27.000	2.07	42.914	9.291	46.414	4.843	3.583	
150x950	165.1x984.6	300	934	239	1010	123	91	16*110
6% OD x 38	6.500 x 28.500	2.07	45.414	9.291	48.914	4.843	3.583	
150x1000	165.1x1034.9	300	984	239	1060	123	91	16*110
6% OD x 40	6.500 x 30.000	2.07	47.914	9.291	51.414	4.843	3.583	

XGQT3U U-Bolts Mechanical Tee



Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Hole Dia mm/in +1.6,0/ +0.063,0	Dimension mm/in			Bolt Size
				A	B	C	
32x15	42.4x21.3	300	30	42	93	58	10*68
1 1/4 x 1/2	1.66 x 0.83	2.07	1.181	1.654	3.661	2.283	
32x20	42.4x26.9	300	30	45	93	58	10*68
1 1/4 x 3/4	1.66 x 1.05	2.07	1.181	1.772	3.661	2.283	
32x25	42.4x33.7	300	30	49	93	58	10*68
1 1/4 x 1	1.66 x 1.32	2.07	1.181	1.929	3.661	2.283	
40x15	48.3x21.3	300	30	39	93	58	10*68
1 1/2 x 1/2	1.90 x 0.83	2.07	1.181	1.535	3.661	2.283	
40x20	48.3x26.9	300	30	42	93	58	10*68
1 1/2 x 3/4	1.90 x 1.05	2.07	1.181	1.654	3.661	2.283	
40x25	48.3x33.7	300	30	46	93	58	10*68
1 1/2 x 1	1.90 x 1.32	2.07	1.181	1.811	3.661	2.283	
50x15	60.3x21.3	300	30	36	98	58	10*83
2 x 1/2	2.38 x 0.83	2.07	1.181	1.417	3.858	2.283	
50x20	60.3x26.9	300	30	39	98	58	10*83
2 x 3/4	2.38 x 1.05	2.07	1.181	1.535	3.858	2.283	
50x25	60.3x33.7	300	30	43	98	58	10*83
2 x 1	2.38 x 1.32	2.07	1.181	1.693	3.858	2.283	
65x15	73.0x21.3	300	30	36	112	58	10*96
2 1/2 x 1/2	2.88 x 0.83	2.07	1.181	1.417	4.409	2.283	
65x20	73.0x26.9	300	30	40	113	58	10*96
2 1/2 x 3/4	2.88 x 1.05	2.07	1.181	1.575	4.449	2.283	
65x25	73.0x33.7	300	30	44	113	58	10*96
2 1/2 x 1	2.88 x 1.32	2.07	1.181	1.732	4.449	2.283	
65x15	76.1x21.3	300	30	36	113	58	10*96
3OD x 1/2	3.0 x 0.83	2.07	1.181	1.417	4.449	2.283	
65x20	76.1x26.9	300	30	40	113	58	10*96
3OD x 3/4	3.0 x 1.05	2.07	1.181	1.575	4.449	2.283	
65x25	76.1x33.7	300	30	43	113	58	10*96
3OD x 1	3.0 x 1.32	2.07	1.181	1.693	4.449	2.283	

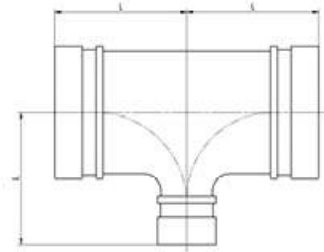
XGQT13S Threaded Reducing Tee



Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in
50x25	60.3x33.7	300	70	100x25	108.0x33.7	300	102
2x1	2.375x1.315	2.07	2.756	4% OD x 1	4.250x1.315	2.07	4.016
50x32	60.3x42.4	300	70	100x32	108.0x42.4	300	102
2x1 1/4	2.375x1.660	2.07	2.756	4% OD x 1 1/4	4.250x1.660	2.07	4.016
50x40	60.3x48.3	300	70	100x40	108.0x48.3	300	102
2x1 1/2	2.375x1.900	2.07	2.756	4% OD x 1 1/2	4.250x1.900	2.07	4.016
65x25	73.0x33.7	300	76	100x50	108.0x60.3	300	102
2 1/2 x 1	2.875x1.315	2.07	2.992	4% OD x 2	4.250x2.375	2.07	4.016
65x32	73.0x42.4	300	76	100x65	108.0x73.0	300	102
2 1/2 x 1 1/4	2.875x1.660	2.07	2.992	4% OD x 2 1/4	4.250x2.875	2.07	4.016
65x40	73.0x48.3	300	76	100x80	108.0x88.9	300	102
2 1/2 x 1 1/2	2.875x1.900	2.07	2.992	4% OD x 3OD	4.250x3.000	2.07	4.016
65x50	73.0x60.3	300	76	100x100	108.0x114.3	300	102
3OD x 2	3.000x2.375	2.07	2.992	4x3	4.500x3.500	2.07	4.016
65x25	76.1x33.7	300	86	100x125	114.3x33.7	300	122
3OD x 1	3.000x1.315	2.07	3.386	4x1	4.500x1.315	2.07	4.803
65x32	76.1x42.4	300	86	100x150	114.3x42.4	300	122
3OD x 1 1/4	3.000x1.660	2.07	3.386	4x1 1/4	4.500x1.660	2.07	4.803
65x40	76.1x48.3	300	86	100x200	114.3x48.3	300	122
3OD x 1 1/2	3.000x1.900	2.07	3.386	4x1 1/2	4.500x1.900	2.07	4.803
65x50	76.1x60.3	300	86	100x250	114.3x60.3	300	122
3OD x 2	3.000x2.375	2.07	3.386	4x2	4.500x2.375	2.07	4.803
80x25	88.9x33.7	300	86	100x300	114.3x73.0	300	122
3x1	3.500x1.315	2.07	3.386	4x2 1/2	4.500x2.875	2.07	4.803
80x32	88.9x42.4	300	86	100x350	114.3x88.9	300	122
3x1 1/4	3.500x1.660	2.07	3.386	4x3OD	4.500x3.000	2.07	4.803
80x40	88.9x48.3	300	86	100x400	114.3x98.9	300	122
3x1 1/2	3.500x1.900	2.07	3.386	4x4	4.500x3.500	2.07	4.803
80x50	88.9x60.3	300	86	125x25	133.0x33.7	300	122
3x2	3.500x2.375	2.07	3.386	5% OD x 1	5.250x1.315	2.07	4.803
80x65	88.9x73.0	300	86	125x32	133.0x42.4	300	122
3x2 1/4	3.500x2.875	2.07	3.386	5% OD x 1 1/4	5.250x1.660	2.07	4.803
80x80	88.9x88.9	300	86	125x40	133.0x48.3	300	122
3x3OD	3.500x3.000	2.07	3.386	5% OD x 1 1/2	5.250x1.900	2.07	4.803

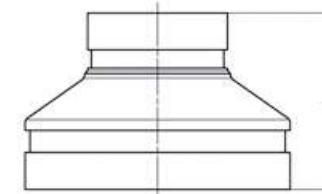
Nominal Size	Pipe O.D	Working Pressure	Dimension L	Nominal Size	Pipe O.D	Working Pressure	Dimension L	Nominal Size	Pipe O.D	Working Pressure	Dimension L	Nominal Size	Pipe O.D	Working Pressure	Dimension L
mm/in	mm/in	PSI/MPa	mm/in	mm/in	mm/in	PSI/MPa	mm/in	mm/in	mm/in	PSI/MPa	mm/in	mm/in	mm/in	PSI/MPa	mm/in
125x50	133x60.3	300	122 4.803	125x65	141.3x76.1	300	122 4.803	150x80	165.1x88.9	300	140 5.512	200x100	219.1x114.3	300	215 8.465
5¼ OD x 2	5.250 x 2.375	2.07		5 x 3OD	5.563 x 3.000	2.07		6% OD x 3	6.500 x 3.500	2.07		8 x 4	8.625 x 4.500	2.07	
125x65	133x73.0	300		125x80	141.3x88.9	300		150x100	165.1x114.3	300		250x25	273.0x33.7	300	
5¼ OD x 2½	5.250 x 2.875	2.07		5 x 3	5.563 x 3.500	2.07		6% OD x 4	6.500 x 4.500	2.07		10 x 1	10.750 x 1.315	2.07	
125x65	133x76.1	300		125x100	141.3x114.3	300		150x25	168.3x33.7	300		250x32	273.0x42.4	300	
5¼ OD x 3OD	5.250 x 3.000	2.07		5 x 4	5.563 x 4.500	2.07		6 x 1	6.625 x 1.315	2.07		10 x 1¼	10.750 x 1.680	2.07	
125x80	133x88.9	300		150x25	168.0x33.7	300		6 x 1¼	6.625 x 1.680	2.07		250x40	273.0x48.3	300	
5¼ OD x 3	5.250 x 3.500	2.07		6 x 1	6.250 x 1.315	2.07		6 x 1¼	6.625 x 1.680	2.07		10 x 1½	10.750 x 1.900	2.07	
125x25	139.7x33.7	300		150x32	169.0x42.4	300		150x40	168.3x48.3	300		250x50	273.0x60.3	300	
5¼ OD x 1	5.500 x 1.315	2.07		6 x 1¼	6.250 x 1.680	2.07		6 x 1½	6.625 x 1.900	2.07		10 x 2	10.750x 2.375	2.07	
125x32	139.7x42.4	300		150x40	169.0x48.3	300		150x50	168.3x60.3	300		250x65	273.0x73.0	300	
5¼ OD x 1¼	5.500 x 1.680	2.07		6 x 1½	6.250 x 1.900	2.07		6 x 2	6.625 x 2.375	2.07		10 x 2½	10.750 x 2.875	2.07	
125x40	139.7x48.3	300	150x50	169.0x60.3	300	150x65	168.3 x 73.0	300	250x65	273.0x76.1	300				
5¼ OD x 1½	5.500 x 1.900	2.07	6 x 2	6.250 x 2.375	2.07	6 x 2½	6.625 x 2.875	2.07	10 x 3OD	10.750 x 3.000	2.07				
125x50	139.7x60.3	300	150x65	169.0 x 73.0	300	150x80	168.3x76.1	300	250x80	273.0x88.9	300				
5¼ OD x 2	5.500 x 2.375	2.07	6 x 2½	6.250 x 2.875	2.07	6 x 3OD	6.625 x 3.000	2.07	10 x 3	10.750 x 3.500	2.07				
125x65	139.7x73.0	300	150x65	169.0x76.1	300	150x80	168.3x88.9	300	250x100	273.0x114.3	300				
5¼ OD x 2½	5.500 x 2.875	2.07	6 x 3OD	6.250 x 3.000	2.07	6 x 3	6.625 x 3.500	2.07	10 x 4	10.750 x 4.500	2.07				
125x65	139.7x76.1	300	150x80	169.0x88.9	300	150x100	168.3x114.3	300	300x25	323.9x33.7	300				
5¼ OD x 3OD	5.500 x 3.000	2.07	6% OD x 3	6.250 x 3.500	2.07	6 x 4	6.625 x 4.500	2.07	12 x 1	12.750 x 1.315	2.07				
125x80	139.7x88.9	300	150x100	169.0x114.3	300	200x25	219.1x33.7	300	300x32	323.9x42.4	300				
5¼ OD x 3	5.500 x 3.500	2.07	6% OD x 4	6.250 x 4.500	2.07	8 x 1	8.625 x 1.315	2.07	12 x 1¼	12.750 x 1.680	2.07				
125x100	139.7x114.3	300	150x25	165.1x33.7	300	200x32	219.1x42.4	300	300x40	323.9x48.3	300				
5¼ OD x 4	5.500 x 4.500	2.07	6% OD x 1	6.500 x 1.315	2.07	8 x 1¼	8.625 x 1.680	2.07	12 x 1½	12.750 x 1.900	2.07				
125x25	141.3x33.7	300	150x32	165.1x42.4	300	200x40	219.1x48.3	300	300x50	323.9x60.3	300				
5 x 1	5.563 x 1.315	2.07	6% OD x 1½	6.500 x 1.680	2.07	8 x 1½	8.625 x 1.900	2.07	12 x 2	12.750 x 2.375	2.07				
125x32	141.3x42.4	300	150x40	165.1x48.3	300	200x50	219.1x60.3	300	300x65	323.9x73.0	300				
5 x 1¼	5.563 x 1.680	2.07	6% OD x 1¾	6.500 x 1.900	2.07	8 x 2	8.625 x 2.375	2.07	12 x 2½	12.750 x 2.875	2.07				
125x40	141.3x48.3	300	150x50	165.1x60.3	300	200x65	219.1x73.0	300	300x65	323.9x76.1	300				
5 x 1½	5.563 x 1.900	2.07	6% OD x 2	6.500 x 2.375	2.07	8 x 2½	8.625 x 2.875	2.07	12 x 3OD	12.750 x 3.000	2.07				
125x50	141.3x60.3	300	150x65	165.1x73.0	300	200x80	219.1x88.9	300	300x80	323.9x88.9	300				
5 x 2	5.563 x 2.375	2.07	6% OD x 2½	6.500x 2.875	2.07	8 x 3OD	8.625 x 3.000	2.07	12 x 3	12.750 x 3.500	2.07				
125x65	141.3x73.0	300	150x65	165.1x76.1	300	200x80	219.1x88.9	300	300x100	323.9x114.3	300				
5 x 2½	5.563 x 2.875	2.07	6% OD x 3OD	6.500 x 3.000	2.07	8 x 3	8.625 x 3.500	2.07	12 x 4	12.750 x 4.500	2.07				

XGQT13 Grooved Reducing Tee



Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in
50x25 2x1	60.3x33.7 2.375x1.315	300 2.07	70 2.756
50x32 2x1 1/4	60.3x42.4 2.375x1.660	300 2.07	
50x40 2x1 1/2	60.3x48.3 2.375x1.900	300 2.07	
65x25 2 1/2x1	73.0x33.7 2.875x1.315	300 2.07	
65x32 2 1/2x1 1/4	73.0x42.4 2.875x1.660	300 2.07	76 2.992
65x40 2 1/2x1 1/2	73.0x48.3 2.875x1.900	300 2.07	
65x50 2 1/2x2	73.0x60.3 2.875x2.375	300 2.07	
65x65 3x2	76.1x33.7 3.000x1.315	300 2.07	
65x80 3x2 1/2	76.1x42.4 3.000x1.660	300 2.07	86 3.386
65x100 3x3	76.1x48.3 3.000x1.900	300 2.07	
65x125 3x4	76.1x60.3 3.000x2.375	300 2.07	
80x25 3x1	88.9x33.7 3.500x1.315	300 2.07	
80x32 3x1 1/4	88.9x42.4 3.500x1.660	300 2.07	102 4.016
80x40 3x1 1/2	88.9x48.3 3.500x1.900	300 2.07	
80x50 3x2	88.9x60.3 3.500x2.375	300 2.07	
80x65 3x2 1/2	88.9x73.0 3.500x2.875	300 2.07	
80x80 3x3	88.9x80.3 3.500x3.000	300 2.07	122 4.803
80x100 3x4	88.9x96.3 3.500x3.500	300 2.07	
100x25 4x1	108.0x33.7 4.250x1.315	300 2.07	
100x32 4x1 1/4	108.0x42.4 4.250x1.660	300 2.07	
100x40 4x1 1/2	108.0x48.3 4.250x1.900	300 2.07	122 4.803
100x50 4x2	108.0x60.3 4.250x2.375	300 2.07	
100x65 4x2 1/2	108.0x73.0 4.250x2.875	300 2.07	
100x80 4x3	108.0x80.3 4.250x3.000	300 2.07	
100x100 4x4	108.0x96.3 4.250x3.500	300 2.07	122 4.803
125x25 5x1	125.0x33.7 5.000x1.315	300 2.07	
125x32 5x1 1/4	125.0x42.4 5.000x1.660	300 2.07	
125x40 5x1 1/2	125.0x48.3 5.000x1.900	300 2.07	

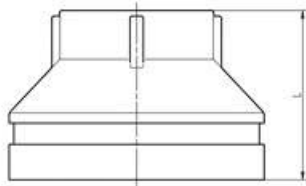
XGQT07 Grooved Concentric Reducer



Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in
32x25 1x1	42.4x33.7 1.660x1.315	350 2.5	64 2.520
40x25 1 1/4x1	48.3x33.7 1.900x1.315	350 2.5	
40x32 1 1/2x1	48.3x42.4 1.900x1.660	350 2.5	
50x25 2x1	60.3x33.7 2.375x1.315	350 2.5	
50x32 2x1 1/4	60.3x42.4 2.375x1.660	350 2.5	64 2.520
50x40 2x1 1/2	60.3x48.3 2.375x1.900	350 2.5	
65x25 2 1/2x1	73.0x33.7 2.875x1.315	350 2.5	
65x32 2 1/2x1 1/4	73.0x42.4 2.875x1.660	350 2.5	
65x40 2 1/2x1 1/2	73.0x48.3 2.875x1.900	350 2.5	76 2.992
65x50 2 1/2x2	73.0x60.3 2.875x2.375	350 2.5	
65x65 3x2	76.1x33.7 3.000x1.315	350 2.5	
65x80 3x2 1/2	76.1x42.4 3.000x1.660	350 2.5	
80x25 3x1	88.9x33.7 3.500x1.315	350 2.5	89 3.504
80x32 3x1 1/4	88.9x42.4 3.500x1.660	350 2.5	
80x40 3x1 1/2	88.9x48.3 3.500x1.900	350 2.5	
80x50 3x2	88.9x60.3 3.500x2.375	350 2.5	

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in	Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/MPa	Dimension L mm/in																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
125x50 5 x 2	141.3x 60.3 5.563 x 2.375	300 2.07	122 4.803	150x125 6x OD x 5	159.0x 141.3 6.250 x 5.563	300 2.07	140 5.512	150x65 6x 3 OD	168.3x 76.1 6.625 x 3.000	300 2.07	175 6.890	200x125 8 x 5	219.1x 141.3 8.625 x 5.563	300 2.07	245 9.646	250x150 10 x 6	273.0x 168.3 10.750 x 6.625	300 2.07	215 8.465	250x200 8 x 8	273.0x 219.1 10.750 x 8.625	300 2.07	89 3.504	125 x 32 5x OD x 1 1/4	133.0 x 42.4 5.250 x 1.660	350 2.5	102 4.016	125 x 40 5x OD x 1 1/2	141.3 x 48.3 5.563 x 1.900	350 2.5	102 4.016	150x25 6x OD x 1	165.1x 33.7 6.500 x 1.315	350 2.5	127 5	150x32 6x OD x 1 1/4	168.3x 38.9 6.625 x 1.512	350 2.5	175 6.890	150x80 6 x 3	168.3x 88.9 6.625 x 3.500	350 2.5	215 8.465	150x100 6 x 4	168.3x 108.0 6.625 x 4.250	350 2.5	245 9.646	150x125 6 x 5	168.3x 125.0 6.625 x 4.906	350 2.5	285 11.217	150x150 6 x 6	168.3x 159.0 6.625 x 6.250	350 2.5	325 12.787	150x175 6 x 7	168.3x 177.8 6.625 x 6.992	350 2.5	365 14.357	150x200 6 x 8	168.3x 203.2 6.625 x 8.000	350 2.5	405 15.927	150x225 6 x 9	168.3x 228.6 6.625 x 9.000	350 2.5	445 17.497	150x250 6 x 10	168.3x 253.7 6.625 x 10.000	350 2.5	485 19.067	150x275 6 x 11	168.3x 279.1 6.625 x 11.000	350 2.5	525 20.637	150x300 6 x 12	168.3x 304.8 6.625 x 12.000	350 2.5	565 22.207	150x325 6 x 13	168.3x 330.2 6.625 x 13.000	350 2.5	605 23.777	150x350 6 x 14	168.3x 355.6 6.625 x 14.000	350 2.5	645 25.347	150x375 6 x 15	168.3x 381.0 6.625 x 15.000	350 2.5	685 26.917	150x400 6 x 16	168.3x 406.4 6.625 x 16.000	350 2.5	725 28.487	150x425 6 x 17	168.3x 431.8 6.625 x 17.000	350 2.5	765 30.057	150x450 6 x 18	168.3x 457.2 6.625 x 18.000	350 2.5	805 31.627	150x475 6 x 19	168.3x 482.6 6.625 x 19.000	350 2.5	845 33.197	150x500 6 x 20	168.3x 508.0 6.625 x 20.000	350 2.5	885 34.767	150x525 6 x 21	168.3x 533.4 6.625 x 21.000	350 2.5	925 36.337	150x550 6 x 22	168.3x 558.8 6.625 x 22.000	350 2.5	965 37.907	150x575 6 x 23	168.3x 584.2 6.625 x 23.000	350 2.5	1005 39.477	150x600 6 x 24	168.3x 609.6 6.625 x 24.000	350 2.5	1045 41.047	150x625 6 x 25	168.3x 635.0 6.625 x 25.000	350 2.5	1085 42.617	150x650 6 x 26	168.3x 660.4 6.625 x 26.000	350 2.5	1125 44.187	150x675 6 x 27	168.3x 685.8 6.625 x 27.000	350 2.5	1165 45.757	150x700 6 x 28	168.3x 711.2 6.625 x 28.000	350 2.5	1205 47.327	150x725 6 x 29	168.3x 736.6 6.625 x 29.000	350 2.5	1245 48.897	150x750 6 x 30	168.3x 762.0 6.625 x 30.000	350 2.5	1285 50.467	150x775 6 x 31	168.3x 787.4 6.625 x 31.000	350 2.5	1325 52.037	150x800 6 x 32	168.3x 812.8 6.625 x 32.000	350 2.5	1365 53.607	150x825 6 x 33	168.3x 838.2 6.625 x 33.000	350 2.5	1405 55.177	150x850 6 x 34	168.3x 863.6 6.625 x 34.000	350 2.5	1445 56.747	150x875 6 x 35	168.3x 889.0 6.625 x 35.000	350 2.5	1485 58.317	150x900 6 x 36	168.3x 914.4 6.625 x 36.000	350 2.5	1525 59.887	150x925 6 x 37	168.3x 939.8 6.625 x 37.000	350 2.5	1565 61.457	150x950 6 x 38	168.3x 965.2 6.625 x 38.000	350 2.5	1605 63.027	150x975 6 x 39	168.3x 990.6 6.625 x 39.000	350 2.5	1645 64.597	150x1000 6 x 40	168.3x 1016.0 6.625 x 40.000	350 2.5	1685 66.167	150x1025 6 x 41	168.3x 1041.4 6.625 x 41.000	350 2.5	1725 67.737	150x1050 6 x 42	168.3x 1066.8 6.625 x 42.000	350 2.5	1765 69.307	150x1075 6 x 43	168.3x 1092.2 6.625 x 43.000	350 2.5	1805 70.877	150x1100 6 x 44	168.3x 1117.6 6.625 x 44.000	350 2.5	1845 72.447	150x1125 6 x 45	168.3x 1143.0 6.625 x 45.000	350 2.5	1885 74.017	150x1150 6 x 46	168.3x 1168.4 6.625 x 46.000	350 2.5	1925 75.587	150x1175 6 x 47	168.3x 1193.8 6.625 x 47.000	350 2.5	1965 77.157	150x1200 6 x 48	168.3x 1219.2 6.625 x 48.000	350 2.5	2005 78.727	150x1225 6 x 49	168.3x 1244.6 6.625 x 49.000	350 2.5	2045 80.297	150x1250 6 x 50	168.3x 1270.0 6.625 x 50.000	350 2.5	2085 81.867	150x1275 6 x 51	168.3x 1295.4 6.625 x 51.000	350 2.5	2125 83.437	150x1300 6 x 52	168.3x 1320.8 6.625 x 52.000	350 2.5	2165 85.007	150x1325 6 x 53	168.3x 1346.2 6.625 x 53.000	350 2.5	2205 86.577	150x1350 6 x 54	168.3x 1371.6 6.625 x 54.000	350 2.5	2245 88.147	150x1375 6 x 55	168.3x 1397.0 6.625 x 55.000	350 2.5	2285 89.717	150x1400 6 x 56	168.3x 1422.4 6.625 x 56.000	350 2.5	2325 91.287	150x1425 6 x 57	168.3x 1447.8 6.625 x 57.000	350 2.5	2365 92.857	150x1450 6 x 58	168.3x 1473.2 6.625 x 58.000	350 2.5	2405 94.427	150x1475 6 x 59	168.3x 1498.6 6.625 x 59.000	350 2.5	2445 95.997	150x1500 6 x 60	168.3x 1524.0 6.625 x 60.000	350 2.5	2485 97.567	150x1525 6 x 61	168.3x 1549.4 6.625 x 61.000	350 2.5	2525 99.137	150x1550 6 x 62	168.3x 1574.8 6.625 x 62.000	350 2.5	2565 100.707	150x1575 6 x 63	168.3x 1600.2 6.625 x 63.000	350 2.5	2605 102.277	150x1600 6 x 64	168.3x 1625.6 6.625 x 64.000	350 2.5	2645 103.847	150x1625 6 x 65	168.3x 1651.0 6.625 x 65.000	350 2.5	2685 105.417	150x1650 6 x 66	168.3x 1676.4 6.625 x 66.000	350 2.5	2725 106.987	150x1675 6 x 67	168.3x 1701.8 6.625 x 67.000	350 2.5	2765 108.557	150x1700 6 x 68	168.3x 1727.2 6.625 x 68.000	350 2.5	2805 110.127	150x1725 6 x 69	168.3x 1752.6 6.625 x 69.000	350 2.5	2845 111.697	150x1750 6 x 70	168.3x 1778.0 6.625 x 70.000	350 2.5	2885 113.267	150x1775 6 x 71	168.3x 1803.4 6.625 x 71.000	350 2.5	2925 114.837	150x1800 6 x 72	168.3x 1828.8 6.625 x 72.000	350 2.5	2965 116.407	150x1825 6 x 73	168.3x 1854.2 6.625 x 73.000	350 2.5	3005 117.977	150x1850 6 x 74	168.3x 1879.6 6.625 x 74.000	350 2.5	3045 119.547	150x1875 6 x 75	168.3x 1905.0 6.625 x 75.000	350 2.5	3085 121.117	150x1900 6 x 76	168.3x 1930.4 6.625 x 76.000	350 2.5	3125 122.687	150x1925 6 x 77	168.3x 1955.8 6.625 x 77.000	350 2.5	3165 124.257	150x1950 6 x 78	168.3x 1981.2 6.625 x 78.000	350 2.5	3205 125.827	150x1975 6 x 79	168.3x 2006.6 6.625 x 79.000	350 2.5	3245 127.397	150x2000 6 x 80	168.3x 2032.0 6.625 x 80.000	350 2.5	3285 128.967	150x2025 6 x 81	168.3x 2057.4 6.625 x 81.000	350 2.5	3325 130.537	150x2050 6 x 82	168.3x 2082.8 6.625 x 82.000	350 2.5	3365 132.107	150x2075 6 x 83	168.3x 2108.2 6.625 x 83.000	350 2.5	3405 133.677	150x2100 6 x 84	168.3x 2133.6 6.625 x 84.000	350 2.5	3445 135.247	150x2125 6 x 85	168.3x 2159.0 6.625 x 85.000	350 2.5	3485 136.817	150x2150 6 x 86	168.3x 2184.4 6.625 x 86.000	350 2.5	3525 138.387	150x2175 6 x 87	168.3x 2209.8 6.625 x 87.000	350 2.5	3565 139.957	150x2200 6 x 88	168.3x 2235.2 6.625 x 88.000	350 2.5	3605 141.527	150x2225 6 x 89	168.3x 2260.6 6.625 x 89.000	350 2.5	3645 143.097	150x2250 6 x 90	168.3x 2286.0 6.625 x 90.000	350 2.5	3685 144.667	150x2275 6 x 91	168.3x 2311.4 6.625 x 91.000	350 2.5	3725 146.237	150x2300 6 x 92	168.3x 2336.8 6.625 x 92.000	350 2.5	3765 147.807	150x2325 6 x 93	168.3x 2362.2 6.625 x 93.000	350 2.5	3805 149.377	150x2350 6 x 94	168.3x 2387.6 6.625 x 94.000	350 2.5	3845 150.947	150x2375 6 x 95	168.3x 2413.0 6.625 x 95.000	350 2.5	3885 152.517	150x2400 6 x 96	168.3x 2438.4 6.625 x 96.000	350 2.5	3925 154.087	150x2425 6 x 97	168.3x 2463.8 6.625 x 97.000	350 2.5	3965 155.657	150x2450 6 x 98	168.3x 2489.2 6.625 x 98.000	350 2.5	4005 157.227	150x2475 6 x 99	168.3x 2514.6 6.625 x 99.000	350 2.5	4045 158.797	150x2500 6 x 100	168.3x 2540.0 6.625 x 100.000	350 2.5	4085 160.367	150x2525 6 x 101	168.3x 2565.4 6.625 x 101.000	350 2.5	4125 161.937	150x2550 6 x 102	168.3x 2590.8 6.625 x 102.000	350 2.5	4165 163.507	150x2575 6 x 103	168.3x 2616.2 6.625 x 103.000	350 2.5	4205 165.077	150x2600 6 x 104	168.3x 2641.6 6.625 x 104.000	350 2.5	4245 166.647	150x2625 6 x 105	168.3x 2667.0 6.625 x 105.000	350 2.5	4285 168.217	150x2650 6 x 106	168.3x 2692.4 6.625 x 106.000	350 2.5	4325 169.787	150x2675 6 x 107	168.3x 2717.8 6.625 x 107.000	350 2.5	4365 171.357	150x2700 6 x 108	168.3x 2743.2 6.625 x 108.000	350 2.5	4405 172.927	150x2725 6 x 109	168.3x 2768.6 6.625 x 109.000	350 2.5	4445 174.497	150x2750 6 x 110	168.3x 2794.0 6.625 x 110.000	350 2.5	4485 176.067	150x2775 6 x 111	168.3x 2819.4 6.625 x 111.000	350 2.5	4525 177.637	150x2800 6 x 112	168.3x 2844.8 6.625 x 112.000	350 2.5	4565 179.207	150x2825 6 x 113	168.3x 2870.2 6.625 x 113.000	350 2.5	4605 180.777	150x2850 6 x 114	168.3x 2895.6 6.625 x 114.000	350 2.5	4645 182.347	150x2875 6 x 115	168.3x 2921.0 6.625 x 115.000	350 2.5	4685 183.917	150x2900 6 x 116	168.3x 2946.4 6.625 x 116.000	350 2.5	4725 185.487	150x2925 6 x 117	168.3x 2971.8 6.625 x 117.000	350 2.5	4765 187.057	150x2950 6 x 118	168.3x 2997.2 6.625 x 118.000	350 2.5	4805 188.627	150x2975 6 x 119	168.3x 3022.6 6.625 x 119.000	350 2.5	4845 190.197	150x3000 6 x 120	168.3x 3048.0 6.625 x 120.000	350 2.5	4885 191.767	150x3025 6 x 121	168.3x 3073.4 6.625 x 121.000	350 2.5	4925 193.337	150x3050 6 x 122	168.3x 3098.8 6.625 x 122.000	350 2.5	4965 194.907	150x3075 6 x 123	168.3x 3124.2 6.625 x 123.000	350 2.5	5005 196.477	150x3100 6 x 124	168.3x 3149.6 6.625 x 124.000	350 2.5	5045 198.047	150x3125 6 x 125	168.3x 3175.0 6.625 x 125.000	350 2.5	5085 199.617	150x3150 6 x 126	168.3x 3200.4 6.625 x 126.000	350 2.5	5125 201.187	150x3175 6 x 127	168.3x 3225.8 6.625 x 127.000	350 2.5	5165 202.757	150x3200 6 x 128	168.3x 3251.2 6.625 x 128.000	350 2.5	5205 204.327	150x3225 6 x 129	168.3x 3276.6 6.625 x 129.000	350 2.5	5245 205.

XGQT07S Threaded Concentric Reducer



Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Dimension L mm/in
50x15 2 x 1/2	60.3x21.3 2.375 x 0.825	350 2.5	64 2.520
50x20 2 x 3/4	60.3x26.9 2.375 x 1.050	350 2.5	
50x25 2 x 1	60.3x33.7 2.375 x 1.315	350 2.5	
50x32 2 x 1 1/4	60.3x42.4 2.375 x 1.660	350 2.5	
50x40 2 x 1 1/2	60.3x48.3 2.375 x 1.900	350 2.5	
65x15 2 1/4 x 1/2	73.0x21.3 2.875 x 0.825	350 2.5	
65x20 2 1/4 x 3/4	73.0x26.9 2.875 x 1.050	350 2.5	
65x25 2 1/4 x 1	73.0x33.7 2.875 x 1.315	350 2.5	
65x32 2 1/4 x 1 1/4	73.0x42.4 2.875 x 1.660	350 2.5	
65x40 2 1/4 x 1 1/2	73.0x48.3 2.875 x 1.900	350 2.5	
65x50 2 1/2 x 2	73.0x60.3 2.875 x 2.375	350 2.5	
65x15 3 OD x 1/2	76.1x21.3 3.000 x 0.825	350 2.5	
65x20 3 OD x 3/4	76.1x26.9 3.000 x 1.050	350 2.5	
65x25 3 OD x 1	76.1x33.7 3.000 x 1.315	350 2.5	
65x32 3 OD x 1 1/4	76.1x42.4 3.000 x 1.660	350 2.5	

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Dimension L mm/in
80x20 3 x 3/4	88.9x26.9 3.500 x 1.050	350 2.5	64 2.520
80x25 3 x 1	88.9x33.7 3.500 x 1.315	350 2.5	
80x32 3 x 1 1/4	88.9x42.7 3.500 x 1.660	350 2.5	
80x40 3 x 1 1/2	88.9x48.3 3.500 x 1.900	350 2.5	
80x50 3 x 2	88.9x60.3 3.500 x 2.375	350 2.5	
80x65 3 x 2 1/2	88.9x73.0 3.500 x 2.875	350 2.5	
80x65 3 x 3 OD	88.9x76.1 3.500 x 3.000	350 2.5	
100x25 4 x 1 OD x 1	108.0x33.7 4.250 x 1.315	350 2.5	
100x32 4 x 1 OD x 1 1/4	108.0x42.4 4.250 x 1.660	350 2.5	
100x40 4 x 1 OD x 1 1/2	108.0x48.3 4.250 x 1.900	350 2.5	
100x50 4 x 1 OD x 2	108.0x60.3 4.250 x 2.375	350 2.5	
100x65 4 x 1 OD x 2 1/2	108.0x73.0 4.250 x 2.875	350 2.5	
100x65 4 x 1 OD x 3 OD	108.0x76.1 4.250 x 3.000	350 2.5	
100x80 4 x 1 OD x 3	108.0x88.9 4.250 x 3.500	350 2.5	
100x15 4 x 1 1/2	114.3x21.3 4.500 x 0.825	350 2.5	
100x20 4 x 3/4	114.3x26.9 4.500 x 1.050	350 2.5	

Installation Instruction For Rigid & Flexible Coupling



1. Pipe preparation

Check pipe end for proper groove dimensions and to assure that pipe end is free of indentations and projections that would prevent proper sealing.



2. Lubricate gasket

Check gasket to be sure it's compatible for the intended service. Apply thin lubricant to the outside and sealing lips of the gasket.



3. Gasket installation

Slip the gasket over one pipe, making sure the gasket lip does not over-hang the pipe end.



4. Alignment

After aligning two pipe ends together, pull the gasket into position, centering between the grooves on each pipe. The gasket should not extend into the groove on either pipe.



5. Housing installation

Remove one bolt&nut and loosen the other nut. Place one housing over the gasket, making sure the housing keys fit into the pipe grooves. Swing the other housing over the gasket and into the grooves on both pipes. Re-insert the bolt and connect two housings.



6. Tighten nuts

Firstly hand tighten nuts and make sure oval neck bolt completely fits into bolt hole. Then securely tighten nuts alternately and equally to the specified bolt torque by using spanner.



7 a. Assembly completed- Rigid Coupling

For Rigid Coupling, keep the gaps at bolt pads evenly spaced. Gaskets can't be seen visually.



7 b. Assembly completed- Flexible Coupling

For Flexible Coupling, two housings should be iron to iron connected. Gaskets can't be seen visually.

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Dimension L mm/in
100x40 4 x 1 1/2	114.3x48.3 4.500 x 1.900	350 2.5	76 2.992
100x50 4 x 2	114.3x60.3 4.500 x 2.315	350 2.5	
100x65 4 x 2 1/2	114.3x73.0 4.500 x 2.875	350 2.5	
100x65 4 x 3 OD	114.3x76.1 4.500 x 3.000	350 2.5	
100x80 4 x 3	114.3x88.9 4.500 x 3.500	350 2.5	
125x15 5 1/4 OD x 1/2	133.0x21.3 5.250 x 0.825	350 2.5	
125x20 5 1/4 OD x 3/4	133.0x26.9 5.250 x 1.050	350 2.5	
125x25 5 1/4 OD x 1	133.0x33.7 5.250 x 1.315	350 2.5	
125x32 5 1/4 OD x 1 1/4	133.0x42.4 5.250 x 1.660	350 2.5	
125x40 5 1/4 OD x 1 1/2	133.0x48.3 5.250 x 1.900	350 2.5	
125x50 5 1/4 OD x 2	133.0x60.3 5.250 x 2.315	350 2.5	
125x65 5 1/4 OD x 2 1/2	133.0x73.0 5.250 x 2.875	350 2.5	
125x65 5 1/4 OD x 3 OD	133.0x76.1 5.250 x 3.000	350 2.5	
125x80 5 1/4 OD x 3	133.0x88.9 5.250 x 3.500	350 2.5	
125x100 5 1/4 OD x 4	133.0x114.3 5.250 x 4.500	350 2.5	

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Dimension L mm/in
125x32 5 1/4 OD x 1 1/4	139.7x42.4 5.500 x 1.660	350 2.5	89 3.504
125x40 5 1/4 OD x 1 1/2	139.7x48.3 5.500 x 1.900	350 2.5	
125x50 5 1/4 OD x 2	139.7x60.3 5.500 x 2.315	350 2.5	
125x65 5 1/4 OD x 2 1/2	139.7x73.0 5.500 x 2.875	350 2.5	
125x65 5 1/4 OD x 3 OD	139.7x76.1 5.500 x 3.000	350 2.5	
125x80 5 1/4 OD x 3	139.7x88.9 5.500 x 3.500	350 2.5	
125x100 5 1/4 OD x 4	139.7x114.3 5.500 x 4.500	350 2.5	
150x15 6 1/4 OD x 1/2	159.0x21.3 6.250 x 0.825	350 2.5	
150x20 6 1/4 OD x 3/4	159.0x26.9 6.250 x 1.050	350 2.5	
150x25 6 1/4 OD x 1	159.0x33.7 6.250 x 1.315	350 2.5	
150x32 6 1/4 OD x 1 1/4	159.0x42.4 6.250 x 1.660	350 2.5	
150x40 6 1/4 OD x 1 1/2	159.0x48.3 6.250 x 1.900	350 2.5	
150x50 6 1/4 OD x 2	159.0x60.3 6.250 x 2.315	350 2.5	
150x65 6 1/4 OD x 2 1/2	159.0x73.0 6.250 x 2.875	350 2.5	
150x65 6 1/4 OD x 3 OD	159.0x76.1 6.250 x 3.000	350 2.5	

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Dimension L mm/in
150x20 6 1/4 OD x 3/4	165.1x26.9 6.500 x 1.050	350 2.5	102 4.016
150x25 6 1/4 OD x 1	165.1x33.7 6.500 x 1.315	350 2.5	
150x32 6 1/4 OD x 1 1/4	165.1x42.4 6.500 x 1.660	350 2.5	
150x40 6 1/4 OD x 1 1/2	165.1x48.3 6.500 x 1.900	350 2.5	
150x50 6 1/4 OD x 2	165.1x60.3 6.500 x 2.315	350 2.5	
150x65 6 1/4 OD x 2 1/2	165.1x73.0 6.500 x 2.875	350 2.5	
150x65 6 1/4 OD x 3 OD	165.1x76.1 6.500 x 3.000	350 2.5	
150x80 6 1/4 OD x 3	165.1x88.9 6.500 x 3.500	350 2.5	
150x100 6 1/4 OD x 4	165.1x114.3 6.500 x 4.500	350 2.5	
150x15 6 x 1 1/2	168.3x21.3 6.625 x 0.825	350 2.5	
150x20 6 x 1 1/4	168.3x26.9 6.625 x 1.050	350 2.5	
150x25 6 x 1 1/2	168.3x33.7 6.625 x 1.315	350 2.5	
150x32 6 x 1 3/4	168.3x42.4 6.625 x 1.660	350 2.5	
150x40 6 x 2	168.3x48.3 6.625 x 1.900	350 2.5	
150x50 6 x 2 1/2	168.3x60.3 6.625 x 2.315	350 2.5	

Nominal Size mm/in	Pipe O.D mm/in	Working Pressure PSI/Mpa	Dimension L mm/in
150x100 6 x 4	168.3x114.3 6.625 x 4.500	350 2.5	102 4.016
200x25 8 x 1	219.1x33.7 8.625 x 1.315	350 2.5	
200x32 8 x 1 1/4	219.1x42.4 8.625 x 1.660	350 2.5	
200x40 8 x 1 1/2	219.1x48.3 8.625 x 1.900	350 2.5	
200x50 8 x 2	219.1x60.3 8.625 x 2.315	350 2.5	
200x65 8 x 2 1/2	219.1x73.0 8.625 x 2.875	350 2.5	
200x65 8 x 3 OD	219.1x76.1 8.625 x 3.000	350 2.5	
200x80 8 x 3	219.1x88.9 8.625 x 3.500	350 2.5	
200x100 8 x 4	219.1x114.3 8.625 x 4.500	350 2.5	
150x15 6 x 1 1/2	168.3x21.3 6.625 x 0.825	350 2.5	
150x20 6 x 1 1/4	168.3x26.9 6.625 x 1.050	350 2.5	
150x25 6 x 1 1/2	168.3x33.7 6.625 x 1.315	350 2.5	
150x32 6 x 1 3/4	168.3x42.4 6.625 x 1.660	350 2.5	
150x40 6 x 2	168.3x48.3 6.625 x 1.900	350 2.5	
150x50 6 x 2 1/2	168.3x60.3 6.625 x 2.315	350 2.5	

Caution

Proper torquing of bolts is required to obtain specified performance.

- Over torquing the bolts may result in damage to the bolt and / or casting which could result in pipe joint separation.
- Under torquing the bolts may result in lower pressure retention capabilities, lower bend load capabilities, joint leakage and pipe joint separation. Pipe joint separation may result in significant property damage and serious injury.

Specified Bolt Torque

ANSI BOLTS		
Bolt Size	Specified Bolt Torque	
Inch	Lbs-Ft.	N.m
3/8	30-45	40-60
1/2	80-100	110-135
5/8	100-130	135-175
3/4	130-180	175-245
7/8	180-240	245-325

Installation Instruction For Threaded & Grooved Mechanical Tee



1. Pipe preparation

Clean the gasket sealing surface within 16mm of the hole and visually inspect the sealing surface for defects that may prevent proper sealing of the gasket. Don't drill the hole on weld line.



2. Remove burrs

If any burrs or slug exists at the pipe hole, please remove them before assembly, to protect the gasket and avoid leakage.



3. Gasket installation

Insert the gasket into outlet housing making sure the tab in the gasket line up with the tab recesses in the housing. Align outlet housing over the pipe hole making sure that the locating collar is in the pipe hole.



4. Alignment

Align the strap around the pipe, insert the bolts and tighten the nuts finger tight.



5. Tighten nuts

Alternatively and evenly tighten the nuts to the specified bolt torque.



6. Assembly completed

There should be even gaps on two sides between upper and lower housings.

Caution

Proper torquing of bolts is required to obtain specified performance.

- Over torquing the bolts may result in damage to the bolt and / or casting which could result in pipe joint separation.
- Under torquing the bolts may result in lower pressure retention capabilities, lower bend load capabilities, joint leakage and pipe joint separation. Pipe joint separation may result in significant property damage and serious injury.

Specified Bolt Torque

ANSI BOLTS			
Bolt Size	Specified Bolt Torque		
Inch	Lbs-Ft.	N.m	
3/8	30-45	40-60	
1/2	80-100	110-135	
5/8	100-130	135-175	
3/4	—	—	
7/8	—	—	

Installation Instruction For Grooved Flange



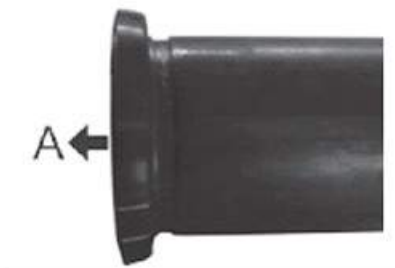
1. Pipe preparation

Check pipe end for proper groove dimensions and to assure that pipe end is free of indentations and projections that would prevent proper sealing.



2. Lubricate gasket

Check gasket to be sure it's compatible for the intended service. Apply thin lubricant to the outside and sealing lips of the gasket.



3. Gasket installation

Slip the gasket over pipe end, with the gasket opening side towards 'A'. Make sure the gasket sealing lip is even with pipe end.



4. Housing installation

Remove bolts and nuts, place two housings over the gasket, making sure the housing keys fit into the pipe grooves. Re-insert the bolts and hand tighten the nuts.



5. Tighten nuts

Securely tighten nuts alternatively and equally to the specified bolt torque by using spanner.



6. Connect mating flange

Align flange bolt holes with mating flange (or valve) bolt holes. Insert a standard flange bolt through bolt hole and hand tighten a nut. Insert another bolt opposite the first and hand tighten a nut. Continue this until all bolt holes are fitted. Tighten nuts evenly to specified bolt torque, so flange faces remain parallel. Assembly completed.

Caution

Proper torquing of bolts is required to obtain specified performance.

- Over torquing the bolts may result in damage to the bolt and / or casting which could result in pipe joint separation.
- Under torquing the bolts may result in lower pressure retention capabilities, lower bend load capabilities, joint leakage and pipe joint separation. Pipe joint separation may result in significant property damage and serious injury.

Specified Bolt Torque

ANSI BOLTS		
Bolt Size	Specified Bolt Torque	
Inch	Lbs-Ft.	N.m
M10	30-45	40-60
M12	80-100	110-135
M16	—	—
M20	—	—
M22	—	—
M24	—	—

GASKET DATA



Gasket	Name	Temperature Range	General Service Recommendations	Color Mark
E	EPDM	-34~+110°C (-30~+230°F)	Recommended for hot water service within the specified temperature range plus a variety of dilute acids, oil-free air and many chemical services. UL classified in accordance with ANSI/NSF 61 or cold +86°F(+30°C) and hot +180°F (+82°C) potable water service. Not recommended for petroleum service.	Green Strip
D	NBR	-29~+82°C (-20~+180°F)	Recommended for petroleum products, air with oil vapors, vegetable and mineral oils within the specified temperature range. Not recommended for hot water services.	Orange Strip
S	Silicon Rubber	-40~+177°C (-40~+350°F)	Recommended for high temperature dry air and some high temperature chemical products.	White

Bolts and Nuts

Raw material of oval neck track bolts and hex nuts are taken as 35# steel, and its mechanical properties reach ISO 898-1 Gr.8.8. The bolts and nuts are electro zinc plated in a silver chromate color. The oval neck track bolts mate into the oval holes in the housing segments to allow for easy tightening using only a single wrench/spanner, safely and firmly.

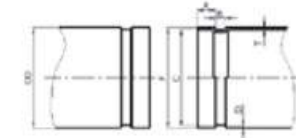


Bolt dimension	M10	M12	M16	M20	M22
Spanner dimension	15	18	24	30	34

Roll Groove Dimensions



Roll Grooving Machine



Nominal Size mm/in	Pipe OD		Gasket seat A ±0.76/±0.03 mm/in	Groove Width B ±0.76/±0.03 mm/in	Groove Dia C		Groove Depth D(ref) mm/in	Max Allow Flare Dia F mm/in	Min. Allow wall thickness T mm/in
	Basic mm/in	Tolerance mm/in			Basic mm/in	Tolerance mm/in			
25 1	33.7 1.327	+0.41 +0.016 -0.68 -0.026	15.88 0.625	7.14 0.281	30.23 1.190	-0.38 -0.015	1.60 0.063	34.5 1.358	1.8 0.071
32 1¼	42.4 1.669	+0.50 +0.020 -0.60 -0.023	15.88 0.625	7.14 0.281	38.99 1.535	-0.38 -0.015	1.60 0.063	43.3 1.705	1.8 0.071
40 1½	48.3 1.900	+0.44 +0.017 -0.52 -0.020	15.88 0.625	7.14 0.281	45.09 1.779	-0.38 -0.015	1.60 0.063	49.4 1.945	1.8 0.071
50 2	60.3 2.375	+0.61 +0.024 -0.61 -0.024	15.88 0.625	8.74 0.344	57.15 2.250	-0.38 -0.015	1.60 0.063	62.2 2.449	1.8 0.071
65 2½	73.0 2.875	+0.74 +0.029 -0.74 -0.029	15.88 0.625	8.74 0.344	69.09 2.720	-0.46 -0.018	1.98 0.078	75.2 2.961	2.3 0.091
80 3	88.9 3.500	+0.76 +0.030 -0.76 -0.030	15.88 0.625	8.74 0.344	72.26 2.845	-0.46 -0.018	1.98 0.078	77.7 3.059	2.3 0.091
100 4	108.0 4.250	+0.89 +0.035 -0.79 -0.031	15.88 0.625	8.74 0.344	84.94 3.344	-0.46 -0.018	1.98 0.078	90.6 3.567	2.3 0.091
125 5	127.0 5.000	+1.07 +0.042 -0.79 -0.031	15.88 0.625	8.74 0.344	103.73 4.084	-0.51 -0.020	2.11 0.083	109.7 4.319	2.3 0.091
150 6	152.4 6.000	+1.14 +0.045 -0.79 -0.031	15.88 0.625	8.74 0.344	110.08 4.334	-0.51 -0.020	2.11 0.083	116.2 4.575	2.3 0.091
175 7	177.8 7.000	+1.32 +0.052 -0.79 -0.031	15.88 0.625	8.74 0.344	129.13 5.084	-0.51 -0.020	2.11 0.083	134.9 5.311	2.9 0.114
200 8	203.2 8.000	+1.40 +0.055 -0.79 -0.031	15.88 0.625	8.74 0.344	135.48 5.334	-0.51 -0.020	2.11 0.083	141.7 5.579	2.9 0.114
225 9	228.6 9.000	+1.42 +0.056 -0.79 -0.031	15.88 0.625	8.74 0.344	137.03 5.395	-0.56 -0.022	2.13 0.084	143.5 5.650	2.9 0.114
250 10	254.0 10.000	+1.60 +0.063 -0.79 -0.031	15.88 0.625	8.74 0.344	154.50 6.083	-0.56 -0.022	2.16 0.085	161.0 6.339	2.9 0.114
275 11	279.4 11.000	+1.60 +0.063 -0.79 -0.031	15.88 0.625	8.74 0.344	160.8 6.330	-0.56 -0.022	2.16 0.085	167.1 6.579	2.9 0.114
300 12	304.8 12.000	+1.60 +0.063 -0.79 -0.031	15.88 0.625	8.74 0.344	163.96 6.455	-0.56 -0.022	2.16 0.085	170.7 6.720	2.9 0.114
325 13	330.2 13.000	+1.60 +0.063 -0.79 -0.031	19.05 0.750	11.91 0.469	211.60 8.331	-0.64 -0.025	2.35 0.093	219.8 8.653	2.9 0.114
350 14	355.6 14.000	+1.60 +0.063 -0.79 -0.031	19.05 0.750	11.91 0.469	214.40 8.441	-0.64 -0.025	2.34 0.092	221.5 8.720	2.9 0.114
375 15	381.0 15.000	+1.60 +0.063 -0.79 -0.031	19.05 0.750	11.91 0.469	262.60 10.339	-0.69 -0.027	2.40 0.095	270.9 10.665	3.6 0.142
400 16	406.4 16.000	+1.60 +0.063 -0.79 -0.031	19.05 0.750	11.91 0.469	268.28 10.562	-0.69 -0.027	2.39 0.094	275.4 10.842	3.6 0.142
450 18	457.0 18.000	+1.60 +0.063 -0.79 -0.031	19.05 0.750	11.91 0.469	312.90 12.319	-0.76 -0.030	2.77 0.109	322.0 12.677	4.0 0.158
500 20	508.0 20.000	+1.60 +0.063 -0.79 -0.031	19.05 0.750	11.91 0.469	318.29 12.531	-0.76 -0.030	2.77 0.109	326.2 12.842	4.0 0.158
550 22	559.0 22.000	+1.60 +0.063 -0.79 -0.031	23.83 0.938	11.91 0.469	371.44 14.623	-0.76 -0.030	2.77 0.109	379.5 14.941	4.5 0.177
600 24	610.0 24.000	+1.60 +0.063 -0.79 -0.031	23.83 0.938	11.91 0.469	420.46 16.553	-0.76 -0.030	2.77 0.109	428.5 16.870	4.5 0.177
650 26	661.0 26.000	+1.60 +0.063 -0.79 -0.031	25.40 1.000	11.91 0.469	523.46 20.608	-0.76 -0.030	2.77 0.109	533.0 20.984	5.0 0.197



General Brass Fittings

General Brass Fittings

Male Securing

Code	Size	Pcs.
3451-sec-160000	ø16	250
3451-sec-200000	ø20	200
3451-sec-250000	ø25	100
3451-sec-320000	ø32	60
3451-sec-400000	ø40	35



Female Securing

Code	Size	Pcs.
3451-sef-160000	ø16	250
3451-sef-200000	ø20	200
3451-sef-250000	ø25	100
3451-sef-320000	ø32	60
3451-sef-400000	ø40	35



Securing

Code	Size	Pcs.
3451-see-160000	ø16	150
3451-see-200000	ø20	100
3451-see-250000	ø25	70
3451-see-320000	ø32	45
3451-see-400000	ø40	20



Coupling

Code	Size	Pcs.
3811-muf-0b0000	1/2"	200
3811-muf-0c0000	3/4"	150
3811-muf-100000	1"	80
3811-muf-1a0000	1 1/4"	45
3811-muf-1b0000	1 1/2"	36
3811-muf-200001	2"	18



General Brass Fittings

Nipple

Code	Size	Pcs.
3811-npl-0d0000	3/8"	500
3811-npl-0b0000	1/2"	300
3811-npl-0c0000	3/4"	200
3811-npl-100000	1"	100
3811-npl-1a0000	1 1/4"	60
3811-npl-1b0000	1 1/2"	36
3811-npl-200000	2"	25



Elbow Female / Female

Code	Size	Pcs.
3811-efo-0b0000	1/2"	125
3811-efo-0c0000	3/4"	65
3811-efo-100000	1"	35
3811-efo-1a0000	1 1/4"	20
3811-efo-1b0000	1 1/2"	20
3811-efo-200000	2"	12



Elbow Female / Male

Code	Size	Pcs.
3811-emo-0b0000	1/2"	120
3811-emo-0c0000	3/4"	80
3811-emo-100000	1"	40
3811-emo-1a0000	1 1/4"	20
3811-emo-1b0000	1 1/2"	15
3811-emo-200000	2"	10



Elbow Male / Male

Code	Size	Pcs.
3811-emm-0b0000	1/2"	100
3811-emm-0c0000	3/4"	80
3811-emm-100000	1"	45



General Brass Fittings

Reducing Coupling

Code	Size	Pcs.
3811-mur-0b0d00	3/8"	200
3811-mur-0c0b00	1/2"	150
3811-mur-100b00	1/2"	100
3811-mur-100c00	3/4"	100
3811-mur-1a0b00	1/2"	80
3811-mur-1a0c00	3/4"	80
3811-mur-1a1000	1"	80
3811-mur-1b1000	1"	50
3811-mur-1b1a00	1 1/4"	45
3811-mur-201000	1"	40
3811-mur-201a00	1 1/4"	30
3811-mur-201b00	1 1/2"	30



Reducing

Code	Size	Pcs.
3811-rdc-0a0b00	1/4"	400
3811-rdc-0d0b00	3/8"	400
3811-rdc-0b0c00	1/2"	300
3811-rdc-0b1000	1/2"	150
3811-rdc-0c1000	3/4"	150
3811-rdc-0b1a00	1/2"	70
3811-rdc-1a0c00	3/4"	80
3811-rdc-1a1000	1"	100
3811-rdc-0b1b00	1/2"	70
3811-rdc-0c1b00	3/4"	80
3811-rdc-1b1000	1"	65
3811-rdc-1b1a00	1 1/4"	65
3811-rdc-200b00	1/2"	35
3811-rdc-200c00	3/4"	35
3811-rdc-201000	1"	30
3811-rdc-1a2000	1 1/4"	40
3811-rdc-1b2000	1 1/2"	40



General Brass Fittings

Reducing Nipple

Code	Size	Pcs.
3811-rdn-0b0d00	12	300
3811-rdn-0c0d00	12	300
3811-rdn-0c0b00	16,5	200
3811-rdn-100b00	16,5	120
3811-rdn-100c00	21,5	100
3811-rdn-1a0b00	16,5	70
3811-rdn-1a0c00	21,5	70
3811-rdn-1a1000	26,5	60
3811-rdn-0b1b00	16,5	60
3811-rdn-0c1b00	21,5	50
3811-rdn-1b1000	26,5	60
3811-rdn-1b1a00	35	50
3811-rdn-200b00	16,5	40
3811-rdn-200c00	21,5	40
3811-rdn-201000	26,5	40
3811-rdn-201a00	35	32
3811-rdn-201b00	40,5	30



Invert Reducing

Code	Size	Pcs.
3811-ird-0c0b00	1/2"	200
3811-ird-100b00	1/2"	100
3811-ird-100c00	3/4"	100
3811-ird-1a0c00	3/4"	90
3811-ird-1a1000	1"	80
3811-ird-1b1000	1"	60
3811-ird-0b0d00	3/8"	250
3811-ird-1a0b00	1/2"	75
3811-ird-1b0b00	1/2"	80
3811-ird-1b0c00	3/4"	60
3811-ird-1b1a00	1 1/4"	60
3811-ird-201000	1"	40
3811-ird-201a00	1 1/4"	30
3811-ird-201b00	1 1/2"	25



General Brass Fittings

Wall Plate Elbow

Code	Size	Pcs.
3811-fle-0b0000	1/2"	120
3811-fle-0c0000	3/4"	50



Cross

Code	Size	Pcs.
3811-crs-0b0000	1/2"	80
3811-crs-0c0000	3/4"	50
3811-crs-100000	1"	25



Tee Female / Female / Female

Code	Size	Pcs.
3811-tfo-0b0000	1/2"	100
3811-tfo-0c0000	3/4"	50
3811-tfo-100000	1"	25
3811-tfo-1a0000	1 1/4"	18
3811-tfo-1b0000	1 1/2"	16
3811-tfo-200000	2"	8



Tee Female / Male / Female

Code	Size	Pcs.
3811-tfm-0b0000	1/2"	100
3811-tfm-0c0000	3/4"	60
3811-tfm-100000	1"	30



Tee Male / Male / Male

Code	Size	Pcs.
3811-tmo-0b0000	1/2"	80
3811-tmo-0c0000	3/4"	60
3811-tmo-100000	1"	30



General Brass Fittings

Tee Male / Male / Female

Code	Size	Pcs.
3811-tdm-0b0000	1/2"	80



Inegal Tee

Code	Size	Pcs.
3811-tio-0c0b0c	3/4"	60
3811-tio-100b10	1"	35
3811-tio-100c10	1"	35



Water Meter Union

Code	Size	Pcs.
3811-wmt-0c1000	3/4"	80



Union-Elbow

Code	Size	Pcs.
3811-tue-0b0000	1/2"	80
3811-tue-0c0000	3/4"	50
3811-tue-100000	1"	30
3811-tue-1a0000	1 1/4"	15



Union-Straight

Code	Size	Pcs.
3811-tun-0b0000	1/2"	150
3811-tun-0c0000	3/4"	80
3811-tun-100000	1"	40
3811-tun-1a0000	1 1/4"	25
3811-tun-160000	1 1/2"	20
3811-tun-200000	2"	16



General Brass Fittings

Male Stopend

Code	Size	Pcs.
3811-stm-0b0000	1/2"	400
3811-stm-0c0000	3/4"	250
3811-stm-100000	1"	170
3811-stm-1a0000	1 1/4"	80
3811-stm-1b0000	1 1/2"	75
3811-stm-200000	2"	30



Female Stopend

Code	Size	Pcs.
3811-stf-0d0000	3/8"	1050
3811-stf-0b0000	1/2"	500
3811-stf-0c0000	3/4"	250
3811-stf-100000	1"	150
3811-stf-1a0000	1 1/4"	120
3811-stf-1b0000	1 1/2"	90
3811-stf-200000	2"	50



Hose Connection - Male

Code	Size	Pcs.
3811-uch-0b0010	1/2"	250
3811-uch-0b0012	1/2"	300
3811-uch-0b0014	1/2"	250
3811-uch-0b0016	1/2"	250
3811-uch-0b0018	1/2"	250
3811-uch-0b0020	1/2"	200
3811-uch-0c0020	3/4"	150
3811-uch-100025	1"	80



Hose Connection - Female

Code	Size	Pcs.
3811-ucf-0b0010	1/2"	250
3811-ucf-0b0012	1/2"	250
3811-ucf-0b0014	1/2"	250
3811-ucf-0b0016	1/2"	200
3811-ucf-0b0018	1/2"	150
3811-ucf-0b0020	1/2"	150



General Brass Fittings

Nut with Flange

Code	Size	Pcs.
3811-fsm-0b0000	1/2"	500
3811-fsm-0c0000	3/4"	400
3811-fsm-100000	1"	250
3811-fsm-1a0000	1 1/4"	150
3811-fsm-1b0000	1 1/2"	100
3811-fsm-200000	2"	60



Tap Connection

Code	Size	Pcs.
3811-neb-0c0000	1/2"	200



Plated Connection to Wrench

Code	Size	Pcs.
3811-ext-0b0010	1/2"	300
3811-ext-0b0015	1/2"	250
3811-ext-0b0020	1/2"	200
3811-ext-0b0025	1/2"	150
3811-ext-0b0030	1/2"	150
3811-ext-0b0040	1/2"	120
3811-ext-0b0050	1/2"	100



Plated Connection - Chrome

Code	Size	Pcs.
3811-nex-0b0010	1/2"	300
3811-nex-0b0015	1/2"	300
3811-nex-0b0020	1/2"	250
3811-nex-0b0025	1/2"	200
3811-nex-0b0030	1/2"	200
3811-nex-0b0035	1/2"	150
3811-nex-0b0040	1/2"	150
3811-nex-0b0050	1/2"	100



General Brass Fittings

Tap Connection- Holed

Code	Size	Pcs.
3811-net-0b0000	1/2"	100



Tap Connection

Code	Size	Pcs.
3811-bet-0c0000	3/4"	80
3811-bel-0c0000	3/4"	100



Half Cross

Code	Size	Pcs.
3811-ned-0c0000	3/4"	75



Mini Union

Code	Size	Pcs.
3411-nff-160b01	1/2"	225



Male Return - Union

Code	Size	Pcs.
3411-nmf-160b00	ø16 x 1/2"	225



General Brass Fittings

Manifold - Blue - Light Type

Code	Size	A	L1	L	H	Pcs.
3312-vhf-100216	1" - 2 x Ø16	43	22,5	94	50,7	20
3312-vhf-100316	1" - 3 x Ø16	43	22,5	137	50,7	15
3312-vhf-100416	1" - 4 x Ø16	43	22,5	180	50,7	10
3312-vhf-100516	1" - 5 x Ø16	43	22,5	266	50,7	10
3312-vhf-100616	1" - 6 x Ø16	43	22,5	309	50,7	10
3312-vhf-100716	1" - 7 x Ø16	43	22,5	352	50,7	5
3312-vhf-100816	1" - 8 x Ø16	43	22,5	395	50,7	5
3312-vhf-100916	1" - 9 x Ø16	43	22,5	438	50,7	5
3312-vhf-101016	1" - 10 x Ø16	43	22,5	524	50,7	5
3312-vhf-101116	1" - 11 x Ø16	43	22,5	567	50,7	5
3312-vhf-101216	1" - 12 x Ø16	43	22,5	610	50,7	5
3312-vhf-101316	1" - 13 x Ø16	43	22,5	653	50,7	5



Manifold - Red - Light Type

Code	Size	A	L1	L	H	Pcs.
3313-vhf-100216	1" - 2 x Ø16	43	22,5	94	50,7	20
3313-vhf-100316	1" - 3 x Ø16	43	22,5	137	50,7	15
3313-vhf-100416	1" - 4 x Ø16	43	22,5	180	50,7	10
3313-vhf-100516	1" - 5 x Ø16	43	22,5	266	50,7	10
3313-vhf-100616	1" - 6 x Ø16	43	22,5	309	50,7	10
3313-vhf-100716	1" - 7 x Ø16	43	22,5	352	50,7	5
3313-vhf-100816	1" - 8 x Ø16	43	22,5	395	50,7	5
3313-vhf-100916	1" - 9 x Ø16	43	22,5	438	50,7	5
3313-vhf-101016	1" - 10 x Ø16	43	22,5	524	50,7	5
3313-vhf-101116	1" - 11 x Ø16	43	22,5	567	50,7	5
3313-vhf-101216	1" - 12 x Ø16	43	22,5	610	50,7	5
3313-vhf-101316	1" - 13 x Ø16	43	22,5	653	50,7	5



For Manifold Nipple

Code	Size	Pcs.
3391-npl-100000	1"	150





TS EN 1092-1 Standard Flanges

Size	Flat Flanges (Tip 01)					Lap Joint Flanges (Tip 02)				
	€					€				
DN	PN6	PN10	PN16	PN25	PN40	PN6	PN10	PN16	PN25	PN40
15	2,16 €	2,16 €	2,16 €	2,16 €	2,16 €	2,07 €	2,17 €	2,17 €	2,17 €	2,17 €
20	2,28 €	2,28 €	2,28 €	2,28 €	2,28 €	2,28 €	2,48 €	2,48 €	2,48 €	2,48 €
25	2,79 €	2,79 €	2,79 €	2,79 €	2,79 €	2,79 €	2,79 €	2,79 €	2,79 €	2,79 €
32	3,00 €	3,56 €	3,56 €	3,56 €	3,56 €	3,31 €	3,82 €	3,82 €	3,82 €	3,82 €
40	3,31 €	3,92 €	3,92 €	3,92 €	3,92 €	3,62 €	4,34 €	4,34 €	4,34 €	4,34 €
50	4,13 €	5,16 €	5,16 €	6,20 €	6,20 €	4,65 €	5,78 €	5,78 €	5,78 €	5,78 €
65	5,01 €	6,46 €	6,46 €	8,78 €	8,78 €	5,57 €	7,23 €	7,33 €	8,67 €	8,67 €
80	7,08 €	7,54 €	7,54 €	9,55 €	9,55 €	7,23 €	8,36 €	8,36 €	10,63 €	10,63 €
100	7,49 €	8,26 €	8,26 €	12,39 €	12,39 €	8,36 €	9,19 €	9,19 €	13,73 €	13,73 €
125	9,81 €	10,17 €	10,17 €	18,32 €	18,32 €	10,94 €	11,25 €	11,25 €	20,23 €	20,23 €
150	11,62 €	14,45 €	14,45 €	21,41 €	21,41 €	12,91 €	16,00 €	16,00 €	23,64 €	23,64 €
200	17,14 €	18,68 €	18,68 €	33,55 €	38,44 €	18,17 €	21,77 €	21,77 €	37,98 €	43,45 €
250	30,45 €	33,02 €	35,61 €	51,60 €	61,92 €	33,44 €	36,33 €	40,36 €	57,90 €	69,25 €
300	39,63 €	41,69 €	46,44 €	86,99 €	120,75 €	43,14 €	44,28 €	51,40 €	96,80 €	133,95 €
350	52,32 €	59,03 €	69,14 €	127,97 €	163,05 €	58,72 €	66,16 €	78,23 €	142,93 €	182,56 €
400	70,59 €	79,98 €	94,22 €	190,91 €	245,60 €	77,71 €	88,14 €	103,71 €	210,11 €	272,33 €
450	83,80 €	105,27 €	124,87 €	241,48 €	278,63 €	92,67 €	116,93 €	140,55 €	269,86 €	313,82 €
500	105,88 €	138,08 €	172,85 €	268,32 €	299,27 €	116,62 €	152,01 €	190,19 €	298,34 €	335,49 €
550	124,25 €	191,95 €	240,44 €			137,77 €	212,27 €	266,66 €		
600	135,19 €	213,10 €	283,79 €	371,50 €	412,78 €	150,87 €	236,63 €	314,34 €	410,83 €	458,29 €



Flat Flange
Tip01



Lap Joint Flange
Tip02

TS EN 1092-1 Standard Flanges

Size	Blind Flanges (Tip 05) €				
DN	PN6	PN10	PN16	PN25	PN40
15	3,10 €	3,10 €	3,10 €	3,10 €	3,10 €
20	3,36 €	3,36 €	3,36 €	3,36 €	334,75 €
25	4,13 €	4,13 €	4,13 €	4,13 €	4,13 €
32	4,44 €	4,44 €	4,44 €	4,90 €	4,90 €
40	4,85 €	4,90 €	4,90 €	5,42 €	5,42 €
50	5,68 €	6,20 €	6,20 €	7,23 €	7,23 €
65	6,72 €	7,23 €	7,23 €	10,11 €	10,11 €
80	8,78 €	9,29 €	9,29 €	12,80 €	12,80 €
100	9,81 €	10,32 €	10,32 €	17,55 €	17,55 €
125	11,98 €	13,42 €	13,42 €	25,29 €	25,29 €
150	15,48 €	18,07 €	18,07 €	31,48 €	31,48 €
200	23,74 €	26,83 €	26,83 €	46,44 €	57,79 €
250	43,34 €	47,47 €	49,53 €	77,40 €	90,82 €
300	61,92 €	65,01 €	65,01 €	103,20 €	140,35 €
350	77,40 €	82,56 €	95,98 €	154,80 €	206,39 €
400	102,17 €	107,33 €	134,16 €	206,39 €	289,99 €
450	113,52 €	113,52 €	142,41 €	239,41 €	330,23 €
500	156,86 €	165,12 €	206,39 €	299,27 €	412,78 €
550	175,44 €	180,59 €	247,67 €		
600	211,55 €	221,87 €	265,21 €	412,78 €	557,25 €



Blind Flange



DIN Norm Flanges

Size	Flat Flange / Lap Joint Flange					Blind Flange				
	€					€				
DN	PN6	PN10	PN16	PN25	PN40	PN6	PN10	PN16	PN25	PN40
15	2,07 €	2,07 €	2,07 €	2,07 €	2,07 €	3,10 €	3,10 €	3,10 €	3,10 €	3,10 €
20	2,28 €	2,28 €	2,28 €	2,28 €	2,28 €	3,36 €	3,36 €	3,36 €	3,36 €	3,36 €
25	2,79 €	2,79 €	2,79 €	2,79 €	2,79 €	4,13 €	4,13 €	4,13 €	4,13 €	4,13 €
32	3,00 €	3,56 €	3,56 €	3,56 €	3,56 €	4,44 €	4,44 €	4,44 €	4,90 €	4,90 €
40	3,31 €	3,92 €	3,92 €	3,92 €	3,92 €	4,85 €	4,90 €	4,90 €	5,42 €	5,42 €
50	4,03 €	4,95 €	4,95 €	6,08 €	6,08 €	5,68 €	6,20 €	6,20 €	7,23 €	7,23 €
65	4,75 €	6,10 €	6,10 €	8,78 €	8,78 €	6,72 €	7,23 €	7,23 €	10,11 €	10,11 €
80	6,61 €	7,54 €	7,54 €	9,55 €	9,55 €	8,78 €	9,29 €	9,29 €	12,80 €	12,80 €
100	7,18 €	7,85 €	7,85 €	11,67 €	11,67 €	9,81 €	10,32 €	10,32 €	17,55 €	17,55 €
125	9,70 €	10,53 €	10,53 €	17,11 €	17,11 €	11,98 €	13,42 €	13,42 €	25,29 €	25,29 €
150	11,62 €	13,42 €	13,42 €	21,41 €	21,41 €	15,48 €	18,07 €	18,07 €	31,48 €	31,48 €
200	16,10 €	18,68 €	18,68 €	31,99 €	36,02 €	23,74 €	26,83 €	26,83 €	46,44 €	57,79 €
250	29,73 €	33,02 €	34,47 €	50,57 €	54,18 €	43,34 €	47,47 €	49,53 €	77,40 €	90,82 €
300	39,63 €	41,69 €	45,21 €	69,14 €	96,80 €	61,92 €	67,08 €	65,01 €	103,20 €	140,35 €
350	50,99 €	54,49 €	56,35 €	98,04 €	133,33 €	77,40 €	82,56 €	95,98 €	154,80 €	206,39 €
400	59,85 €	62,95 €	74,10 €	133,64 €	203,30 €	102,17 €	107,33 €	134,16 €	206,39 €	289,99 €
450	69,66 €	87,98 €	89,79 €	147,05 €	231,16 €	108,36 €	113,52 €	142,41 €	239,41 €	330,23 €
500	88,76 €	99,08 €	133,33 €	221,87 €	293,24 €	156,86 €	165,12 €	206,39 €	299,27 €	412,78 €
550		113,52 €	148,61 €			170,28 €	180,59 €	247,67 €		
600	111,46 €	133,64 €	166,15 €	320,94 €	529,39 €	211,55 €	221,87 €	265,73 €	412,78 €	557,25 €



Flat Flange



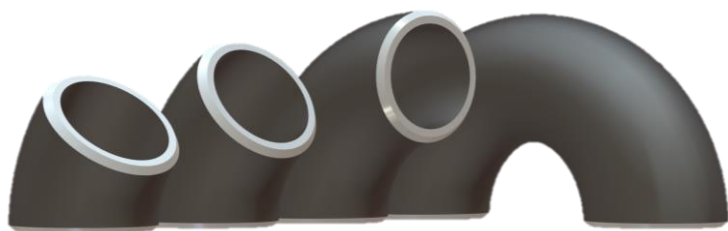
Lap Joint Flange

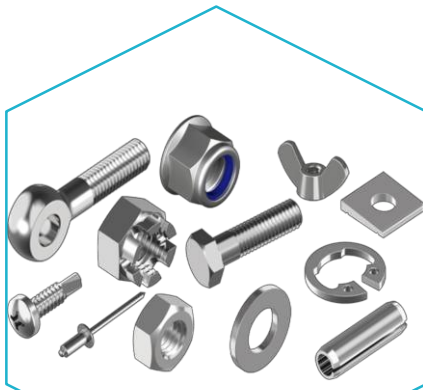


Blind Flange

TS 10253-1 and ANSI B 16.9 Standard 90° Elbows

Size			TS10253-1 / DIN2605 €			ANSI B16.9 €			
DN	mm	INC (")	mm	DİKİŞLİ	DİKİŞSİZ	mm	SCH40	mm	SCH80
15	21,3	½"	2	0,29 €	0,57 €				
20	26,9	¾"	2,3	0,29 €	0,57 €				
25	33,7	1"	2,6	0,32 €	0,73 €	3,4	0,77 €	4,5	1,71 €
	38		2,6			3,4	0,77 €		
32	42,4	1¼"	2,6	0,46 €	0,77 €	3,6	0,81 €	4,8	1,76 €
40	48,3	1½"	2,6	0,59 €	0,96 €	3,6	1,02 €	5	1,86 €
	51		2,6	0,75 €	1,47 €	3,6	1,62 €		
	57		2,9	0,75 €	1,47 €	4	1,62 €	5,6	
50	60,3	2"	2,9	0,75 €	1,47 €	4	1,62 €	5,6	1,97 €
	70		2,9	1,30 €	2,74 €				
65	76,1	2½"	2,9	1,30 €	2,74 €	5	2,89 €	7	3,82 €
80	88,9	3"	3,2	1,71 €	3,62 €	5,5	3,77 €	7,6	6,30 €
	101,6		3,6	3,20 €	6,36 €				
	108		3,6	3,20 €	6,36 €	6,2	7,02 €		
100	114,3	4"	3,6	3,20 €	6,36 €	6,2	7,02 €	8,5	10,48 €
	133		4	5,57 €	10,63 €	6,3	11,45 €		
125	139,7	5"	4	5,57 €	10,63 €	6,3	11,45 €	9,5	19,41 €
	152		4,5	7,64 €	16,72 €				
	159		4,5	7,64 €	16,72 €	7,1	17,96 €		
150	168,3	6"	4,5	7,64 €	16,72 €	7,1	17,96 €	11	34,62 €
200	219,1	8"	4,5	15,07 €	35,09 €	8,2	37,15 €	12,7	63,11 €
	244,5		6,3	40,25 €	59,85 €				
250	273	10"	6,3	40,25 €	59,85 €	9,3	65,53 €		



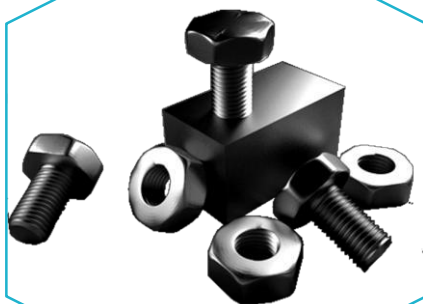
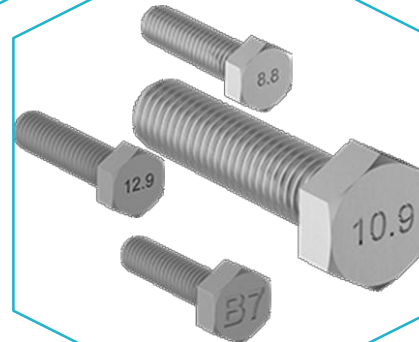


FASTENERS

BOLTS
NUT
WASHER -SPRING LOCK WASHER
STUD BOLT
PIN - RING - COPILOTT -RIVET SCREW
ANCHOR BOLT

6.8 QUALITY
8.8 QUALITY
10.9 QUALITY
12.9 QUALITY
A2-304
A4-316
B7 - 2H

PRODUCT QUALITIES



PRODUCT COATINGS

GALVANIZED COATING
DACROMENT COATING
GEOMET COATING
H.D.G HOT DIP GALVANIZED COATING
FOSVAT COATING

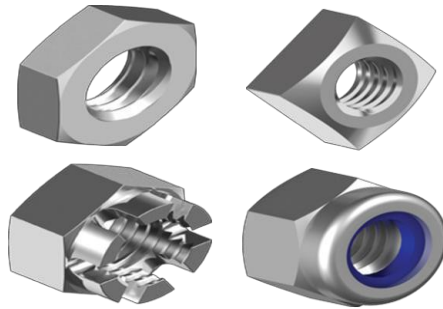


PIKARE INTERNATIONAL TRADE



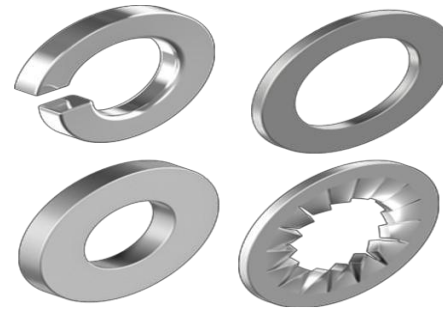
BOLTS

- 6.8 QUALITY
- 8.8 QUALITY
- 10.9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



NUT

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



WASHER - SPLIT LOCK WASHER

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



ANCHOR BOLT

- 6.8 QUALITY
- 8.8 QUALITY
- 10.9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



PIN - RING - COPIL - RIVET

- 6.8 QUALITY
- 8.8 QUALITY
- 10.9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



SCREW

- 4.6 QUALITY
- 4.8 QUALITY
- 6.8 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



ANCHOR BOLT

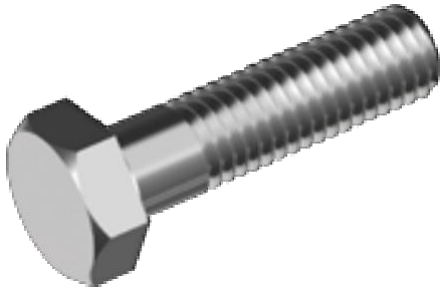
- 6.8 QUALITY
- 8.8 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



ASTM A193 B7

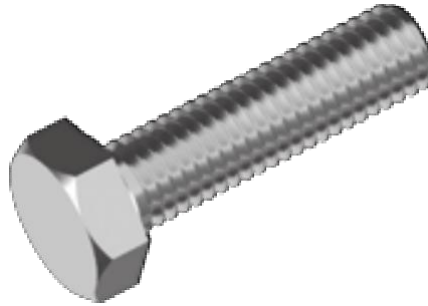
ASTM A194 2H

HEXAGON HEAD BOLTS



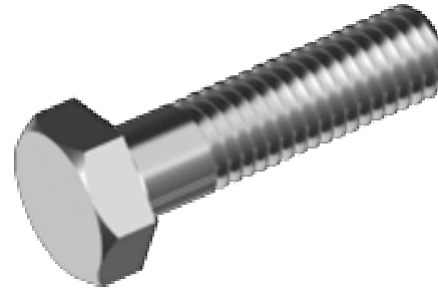
DIN 931

- 6.8 QUALITY
- 8.8 QUALITY
- 10.9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



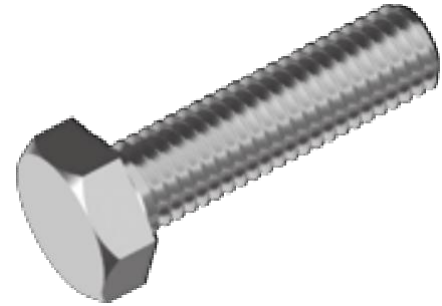
DIN 933

- 6.8 QUALITY
- 8.8 QUALITY
- 10.9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 960

- 6.8 QUALITY
- 8.8 QUALITY
- 10.9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 961

- 6.8 QUALITY
- 8.8 QUALITY
- 10.9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



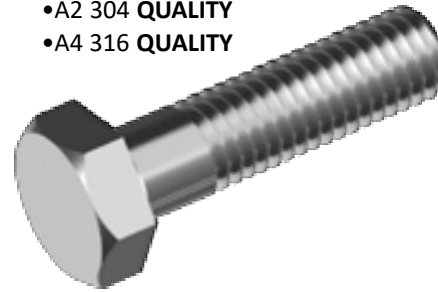
ASME B 18.2.1 Gr.5

- 6.8 QUALITY
- 8.8 QUALITY
- 10.9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



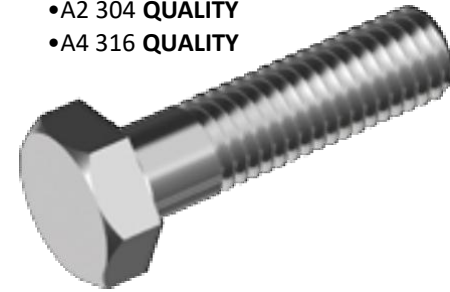
DIN 6921

- 6.8 QUALITY
- 8.8 QUALITY
- 10.9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 6914

- 10.9 QUALITY



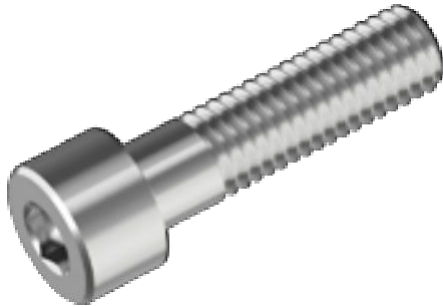
DIN 7990

- 8.8 QUALITY
- 10.9 QUALITY



PIKARE INTERNATIONAL TRADE

HEXAGON SOCKET HEAD CAP SCREWS



DIN 912

- 8.8 QUALITY
- 12 9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 913

- 12 9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 914

- 12 9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 916

- 12 9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 6912

- 8.8 QUALITY
- 12 9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 7380

- 8.8 QUALITY
- 10 9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 7984

- 8.8 QUALITY
- 12 9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 7991

- 8.8 QUALITY
- 10 9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY

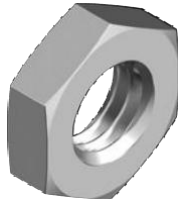


NUTS



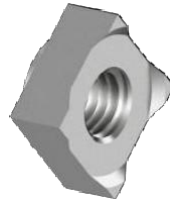
DIN 315

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- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



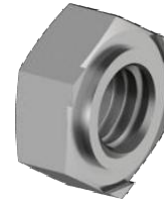
DIN 439

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- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 928

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



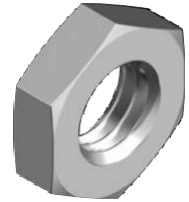
DIN 929

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- 8 QUALITY
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- A4 316 QUALITY



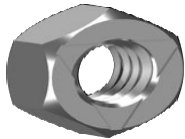
DIN 934

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- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 936

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 980 V

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 982

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 985

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 1587

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 1624

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 6915

- 10 QUALITY



DIN 6923

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 6926

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 6927

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 6330

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 6334

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



ASME B.18.2.2

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY

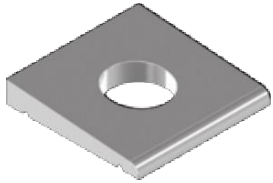


WASHER -SPRING LOCK WASHER



DIN 125

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 435

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 126

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 6796

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 127/B

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 6916

- 10 QUALITY



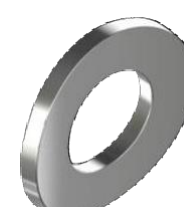
DIN 128/B

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- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



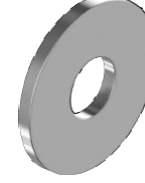
DIN 6798/A

- 6 QUALITY
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- 10 QUALITY
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- A4 316 QUALITY



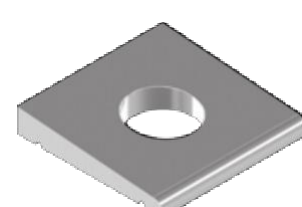
DIN 137

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 9021

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 434

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



INC WASHER

- 6 QUALITY
- 8 QUALITY
- 10 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



STUD BOLT



DIN 427

- 6 .8 QUALITY
- 8.8 QUALITY
- 10.9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



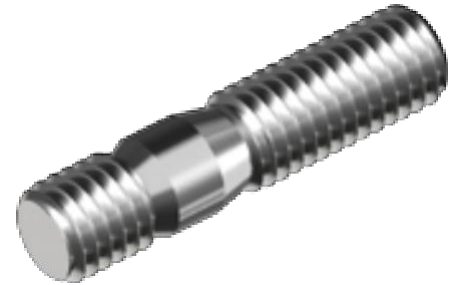
DIN 551

- 6 .8 QUALITY
- 8.8 QUALITY
- 10.9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 553

- 6 .8 QUALITY
- 8.8 QUALITY
- 10.9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 938-939

- 6 .8 QUALITY
- 8.8 QUALITY
- 10.9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 975

- 6 .8 QUALITY
- 8.8 QUALITY
- 10.9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 976

- 6 .8 QUALITY
- 8.8 QUALITY
- 10.9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 3570

- 6 .8 QUALITY
- 8.8 QUALITY
- 10.9 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



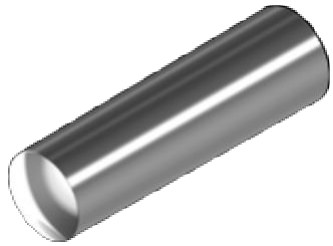
ASTM A193

- B7



PIKARE INTERNATIONAL TRADE

PIN - RING - COPIL - RIVET



DIN 1



DIN 7



DIN 1471



DIN 1472



DIN 1473



DIN 1474



DIN 1475



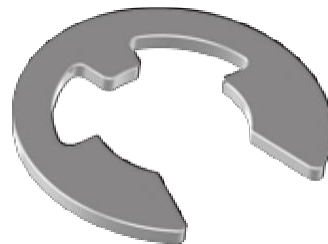
DIN 1476



DIN 471



DIN 472



DIN 6799

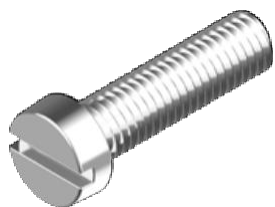


RIVET



PIKARE INTERNATIONAL TRADE

SCREWS



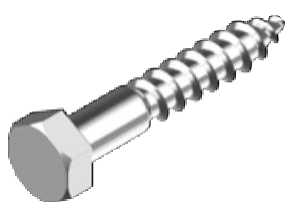
DIN 84

- 4.6 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 85

- 4.6 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 571

- 4.6 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 963

- 4.6 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 965

- 4.6 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 966

- 4.6 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 7504 P

- 4.6 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 7504N-Z

- 4.6 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 7504 N

- 4.6 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 7504 K

- 4.6 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 7505

- 4.6 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 7971

- 4.6 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 7981-h

- 4.6 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 7981-z

- 4.6 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 7982-z

- 4.6 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 7982-h

- 4.6 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



DIN 7985

- 4.6 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



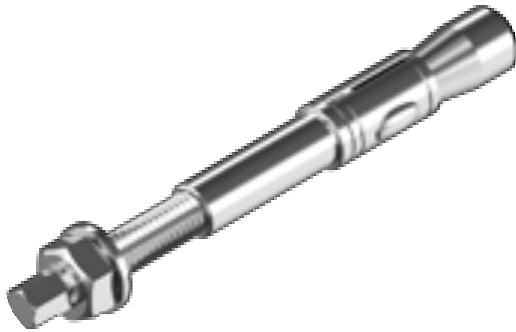
DIN 7983-z

- 4.6 QUALITY
- A2 304 QUALITY
- A4 316 QUALITY



PIKARE INTERNATIONAL TRADE

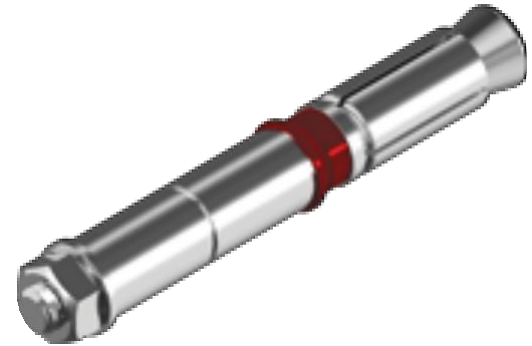
ANCHOR BOLT



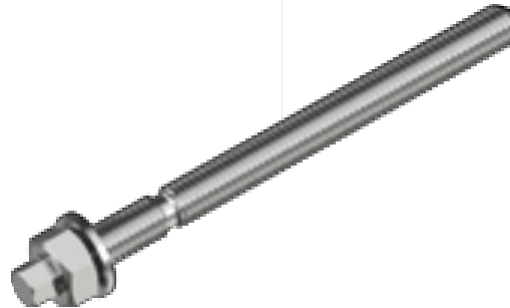
WEDGE IN
ANCHOR



S TYPE ANCHOR



HEAVY LOAD
ANCHOR



ANCHOR

