

SHURJOINT®



part number guide

www.shurjoint.com

customer service 704.841.6000



SHURJOINT®



integrated
pipng systems

Grooved Fittings



7110
90° ELBOW
1" - 24"



7111
45° ELBOW
1" - 24"



7112
22-1/2° ELBOW
1-1/4" - 12"



7113
11-1/4° ELBOW
1" - 12"



7118
90° ELBOW
(GRV X MPT)
3/4" - 6"



7119
45° ELBOW
(GRV X MPT)
3/4" - 6"



7120
TEE
1" - 16"



7121
REDUCING TEE
2" x 2" x 1-1/4" - 12" x 12" x 10"



7121M
REDUCING TEE
(GRV X MPT)
2" x 2" x 1-1/4" - 12" x 12" x 10"



7130
45° LATERAL
2" - 12"



7135
CROSS
2" - 8"



7137
TRUE-Y
2" - 12"



7150
CONCENTRIC
REDUCER
1-1/4" x 1" - 24" x 20"



7151
ECCENTRIC
REDUCER
2-1/2" x 2" - 24" x 20"



7150F
REDUCING NIPPLE
(FPT)
1-1/2" x 1" - 6" x 4"



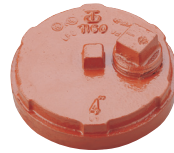
7150M
REDUCING NIPPLE
(MPT)
1-1/2" x 1" - 6" x 4"



7160
END CAP
1" - 8"



7160H
DOMED END CAP
10" - 12"



7160P
END CAP W/ PLUG
1" - 8"



7110B
90° ELBOW W/
BASE SUPPORT
3" - 12"



7110DR
DRAIN ELBOW
2" - 8"



7110LR
1.5D 90° ELBOW
2" - 12"



7111LR
1.5D 45° ELBOW
2" - 12"



71103D
3D 90° ELBOW



71113D
3D 45° ELBOW



54
NIPPLE ADAPTER
(GRV X FPT)
1-1/2" - 4"



55
NIPPLE ADAPTER
(GRV X MPT)
1-1/2" - 2"



56
HOSE NIPPLE
1" - 8"



57
NIPPLE
(GRV X GRV)
3/4" - 12"



58
NIPPLE
(GRV X BEV)
3/4" - 12"



59
NIPPLE
(GRV X NPT)
3/4" - 6"

Mechanical Tees

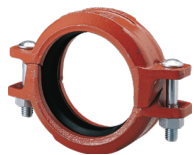


7721
MECHANICAL TEE
(FPT)
2" x 1/2" - 8" x 4"



7722
MECHANICAL TEE
(GRV)
2" x 1/2" - 6" x 4"

Mechanical Couplings



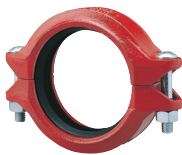
Z07
HEAVY DUTY RIGID
COUPLING
1" - 12"



Z07N
HEAVY DUTY RIGID
COUPLING
14" - 24"



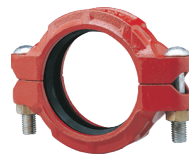
XH1000
EXTRA HEAVY
RIGID COUPLING
2" - 8"



7705
FLEXIBLE
COUPLING
1" - 12"



7706
REDUCING
COUPLING
1-1/2" x 1-1/4" - 8" x 6"



7707
HEAVY DUTY
FLEXIBLE COUPLING
3/4" - 12"



7707N
HEAVY DUTY
FLEXIBLE COUPLING
14" - 26"



7707L
LARGE DIAMETER
COUPLING
28" - 42"



G28
HINGED LEVER
COUPLING
1-1/2" - 10"



C7
OUTLET
COUPLING
1-1/2" x 1/2" - 6" x 2-1/2"



79
PLAIN-END "WILDCAT"
COUPLING
1" - 16"

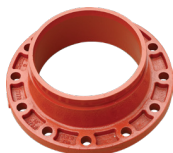
Flange Adapters



7041
FLANGE ADAPTER
CLASS 125/150
2" - 24"



7043
FLANGE ADAPTER
CLASS 300
2" - 12"



7170
FLANGE ADAPTER
CLASS 125/150
10" - 24"



7180
UNIVERSAL FLANGE
ADAPTER
2" - 8"

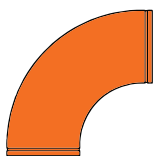


7181
UNIVERSAL REDUCING
FLANGE ADAPTER
3" x 2" - 6" x 4"

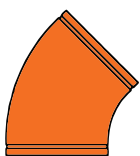


49
SANDWICH PLATE
2" - 24"

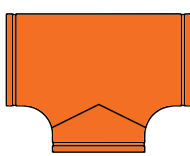
Wrought Fittings



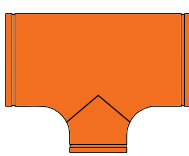
W110LR
1.5D LONG RADIUS
90° ELBOW
14" - 42"



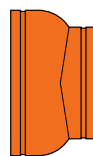
W111LR
1.5D LONG RADIUS
45° ELBOW
14" - 42"



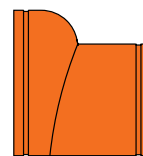
W120
TEE
14" - 42"



W121
REDUCING TEE
14" x 6" - 42" x 40"



W150
CONCENTRIC
REDUCER
14" x 6" - 28" x 18"

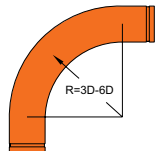


W151
ECCENTRIC
REDUCER
14" x 6" - 28" x 18"



W160
CAP
14" - 42"

LONG RADIUS ELBOWS (BENDS)



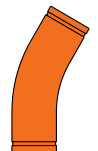
L90
3D: 2" - 28" (L90 2" - 30")
5D: 2" - 24"
6D: 2" - 24"



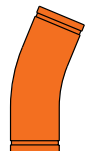
L60



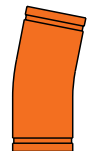
L45



L30



L22



L11

Stainless Steel



SS7
RIGID COUPLING
1-1/4" - 8"



SS7X
RIGID COUPLING
10" - 24"



SS8
FLEXIBLE COUPLING
1" - 8"



SS8X
HEAVY DUTY
FLEXIBLE COUPLING
3/4" - 8"



SS28
HINGED LEVER
COUPLING
1-1/2" - 6"



SS10
90° ELBOW
1" - 12"



SS11
45° ELBOW
1" - 12"



SS20
TEE
1" - 12"



SS21
REDUCING TEE
1-1/4" x 1" - 12" x 10"



SS21F
REDUCING TEE
(FPT)
1-1/4" x 1" - 12" x 10"



SS50
CONCENTRIC
REDUCER
1-1/4" x 1" - 12" x 10"



SS50F
REDUCING NIPPLE
(FPT)



SS51
ECCENTRIC
REDUCER
2-1/2" x 2" - 8" x 6"



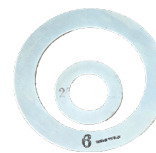
SS60
CAP
1" - 12"



SS723
MECHANICAL TEE
1-1/4" x 1/2" - 2" x 1"



SS41
FLANGE ADAPTER
CLASS 125/150
2" - 8"



SS49
SANDWICH PLATE
2" - 24"



SS80
UNIVERSAL
FLANGE ADAPTER
2" - 12"



SJ400
BUTTERFLY VALVE
2" - 12" & 14" - 24"



SJ600
BALL VALVE
1-1/2" - 4"



SS726
Y-STRAINER
2-1/2" - 6"



SHURJOINT®

The Shurjoint® grooved piping system is one of the most advanced, versatile, economical and reliable systems available today.

A coupling can be installed 3-4 times faster than a comparable welded or brazed joint and there is no need for a flame or welding torch on the job site. A grooved mechanical coupling can be installed by fastening a pair of bolts and nuts while using only a wrench or spanner, whereas a comparable flanged joint requires the fastening of many bolts and nuts with a pair of wrenches. The grooved system allows for easy material take-offs and unlike a threaded system, there is no need to allow for added pipe length for thread engagement. With removal of just a few bolts one can easily access the system for cleaning, maintenance, changes and/or system expansion.

Typical Applications

HVAC

Water Supply & Treatment

Municipal

Pulp & Paper

Marine

Fire Protection

Reverse Osmosis

Food Processing

Agriculture

Oil & Gas

Plumbing

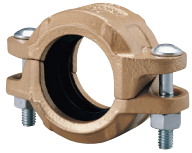
Mining & Tunnel Boring

Desalination

Chemical

Air

Copper



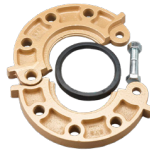
C305
ANGLE PAD
RIGID COUPLING
2" - 6"



C306
REDUCING
COUPLING
2-1/2" x 2" - 6" x 4"



C307
TRANSITION
COUPLING
(IPS X CTS)
2" - 6"



C341
FLANGE ADAPTER
CLASS 125/150
2" - 6"



C10
90° ELBOW
2" - 6"



C11
45° ELBOW
2" - 6"



C20
TEE
2" - 6"



C21
REDUCING TEE
(GRV X GRV)
2-1/2" x 2" - 6" x 5"



C26
REDUCING TEE
(GRV X CUP)
2" x 24" - 4" x 2"



C50
CONCENTRIC
REDUCER
2-1/2" x 2" - 6" x 4"



C52
CONCENTRIC
REDUCER
(GRV X CUP)
2" x 1" - 4" x 2"



C55
TRANSITION
ADAPTER
(IPS X CTS)
2-1/2" x 2" - 6" x 4"



C60
CAP
2-1/2" x 2" - 6" x 4"



C723
BRONZE
MECHANICAL TEE
2" - 6"



SJC300
BUTTERFLY VALVE
2" - 6"



C726
Y-STRAINER
2" - 6"



DE30GG
DIELECTRIC
TRANSITION FITTING
2" - 8"

Flow Controls



725G
SUCTION DIFFUSER
2" - 12"



726
Y-STRAINER
2" - 30"



728
T-STRAINER
2" - 14"



SJ200
LOW PROFILE
BUTTERFLY VALVE
2" - 8"



SJ300
BUTTERFLY VALVE
2" - 24"



SJ500
BALL VALVE
1-1/2" - 6"



SJ900
SWING
CHECK VALVE
2-1/2" - 12"



SJ915
DUAL DISC CHECK
2-1/2" - 12"



SJ915
DUAL DISC CHECK
14" - 24"



SJ930
HORIZONTAL
SWING CHECK
2" - 4"



BH22C
BRASS SWING
CHECK VALVE
2" - 4"

Ring Joint



R-88
RING JOINT
COUPLING
8" - 12" & 28" - 96"



R-88N
RING JOINT
COUPLING
14" - 26"



RH-1000
1000 PSI
COUPLING
8" - 12"

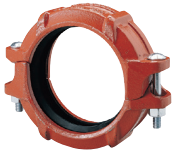


RX-3000
3000 PSI
COUPLING
8" - 12"



RX-3770
3770 PSI
COUPLING
6" - 12"

Fire Protection



Z05
ANGLE PAD
RIGID COUPLING
1-1/4" - 8"



GRADE "E-A" GASKET
VIOLET STRIPE
UL APPROVED, PRE-LUBRICATED GASKET DESIGNED SPECIFICALLY FOR THE FIRE PROTECTION INDUSTRY.
Maximum Temperature Range: Ambient



901
90° SR ELBOW
2" x - 8"



903
SR TEE
2" - 6"



7125
BULLHEAD TEE
2" x 2" x 2-1/2" - 6" x 6" x 8"



7127
STANDPIPE TEE
4" x 4" x 2-1/2" & 6" x 6" x 2-1/2"



899
END-ALL FITTING
1-1/4" x 1/2" - 2-1/2" x 1"



723
SADDLE- LET
1-1/4" x 1/2" - 2-1/2" x 1"

Gasket Selection

EPDM

Recognized as the most water resistant rubber available today, E Grade Gaskets are UL Classified in accordance with ANSI/NSF 61 and ANSI/NSF 372 for Potable Water Service up to 180°F (82°C). Good for cold and hot water up to 230°F (110°C), waste water, water with acid, deionized water and seawater. EPDM is not recommended for use with petroleum based oils and fuels, hydrocarbon solvents and aromatic hydrocarbons. Shurjoint Grade "E" EPDM is compounded per ASTM D2000 designation 2CA615A25B24F17Z. Peroxide curing and post curing give a higher cross-link density, which provides a higher aging resistance than required in AWWA C606.



GRADE "E"
Green Stripe



GRADE "EPW"
Double Green Stripe

NBR, BUNA-N, AND NITRILE

All represent the same copolymer of butadiene and acrylonitrile (ACN), which is inherently resistant to hydraulic fluids, lubricating oils, transmission fluids and other non-polar petroleum based products and water less than 150°F (65°C). The higher the ACN content, the higher the resistance to oils and heat, but the lower elastic characteristics and compression set. NBR displays poor resistance to hot water and steam.

Shurjoint grade "T" NBR rubber is compounded based on ASTM D2000 designation 5BG615A14B24Z and exceeds the requirements of AWWA C606. Grade "T" is a general purpose compound with a medium ACN level. For fuels, especially those with a low aniline point, such as premium or unleaded gasoline, ASTM referenced fuels B & C and naphtha, use Shurjoint grade "M2" Epichloro-Hydrin or grade "O" Fluorocarbon.



GRADE "T"
Orange Stripe



GRADE "A"
White Gasket

Use Shurjoint grade "A" white Nitrile gaskets for oily and greasy food products and processing, as well as pharmaceutical and cosmetics manufacturing. The grade "A" is compounded from FDA approved ingredients (CFR Title 21 Part 177.2600).

Use Shurjoint grade "S" Nitrile gaskets for joints with AWWA ductile iron pipe. Good for mineral oils, vegetable oils, air with oil vapors and water less than 150°F (65°C).