

Grooved Couplings or Fittings
Grooved Couplings are used to join pipe and fittings in both wet and dry sprinkler systems. Unless otherwise noted, these couplings are intended to provide some flexibility in piping systems. Typical applications are in sprinkler risers, in feed mains passing through walls from one building area to another, in locations subject to earthquakes, in the discharge line from aboveground pump suction tanks, in new connections to existing feed mains and in air or water fire service lines subject to excessive vibration or difficult alignment.

Unless otherwise noted, these couplings are limited to use with rolled or cut groove-ended pipe, valves and fittings, at a minimum rated working pressure of 175 psi (1205 kPa) and are suitable for aboveground service. Higher rated pressures are noted in the text of the listing. Selection of pipe schedules for use with grooved pipe couplings should be made according to applicable FM Global Property Loss Prevention Data Sheets installation standards. These pipe schedules determine system pressure ratings and may take precedence over the higher rated working pressures listed for some couplings.

Installation must be made according to the manufacturer's instructions and requirements. Where couplings are used to join FM Approved pipe, the pipe manufacturer's instructions and requirements must also be observed. Grooves should be made according to ANSI/AWWA C606 (latest edition), "Grooved and Shouldered Joints', unless otherwise specified.

FM Approved grooved pipe couplings pining steel pipe may be used in underground service, subject to the installation restrictions placed upon the pipe and to the coupling manufacturer's recommendations and requirements. The manufacturer's recommendations and requirements are to be followed.

Grooved Couplings, Standard-RigidThese couplings join pipe, valves or fittings having equal diameters.

SHURJOINT Model K-9

	K-9 a, I	b																			Ξ
	Nomin	al Pipe Size																			_
Pipe Description	1 (33.4)	1-1/4 (42.7)	1-1/2 (48.3)	2 (60.3)	2-1/2 (73.1)	(76.1)	3 (88.9)	(108.0)	4 (114.3)	(133.0)	(139.7)	5 (141.3)	(159.0)	(165.1)	6 (168.3)	8 (219.1)	10 (273.0)	12 (323.9)	14 (355.6)	16 (406.4)	
Schedule 40, Cut Groove		300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)		300 (2070)			300 (2070)			300 (2070)	300 (2070)					
Schedule 40, Roll Groove		300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)		300 (2070)			300 (2070)			300 (2070)	300 (2070)					
Schedule 30, Cut Groove																300 (2070)					
Schedule 30, Rolled Groove		300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)		300 (2070)			300 (2070)			300 (2070)	300 (2070)					Ì
ThinWall Pipes																					
Allied Tube & Conduit, "XL"	$\overline{\Box}$	175 (1205)	175 (1205)	175 (1205)	175 (1205)		175 (1205)						\Box								
Allied Tube & Conduit, "BLT"	\Box	175 (1205)	175 (1205)	175 (1205)		$\overline{\Box}$					$\overline{\Box}$		П			\Box	$\overline{\Box}$				i
Allied Tube & Conduit, "Dyna-Thread"		175 (1205)	175 (1205)	175 (1205)																	Ī
Bull Moose Tube, "EDDY-Thread 40"	\Box																				
Blue Steel, "Rapid-Thread"	П										П	П		\Box	П	П					
Wheatland Tube, "Mega-Thread"	$\overline{\Box}$																				
Wheatland Tube, "GL"	П																				i
Wheatland Tube, "MLT"	П				\Box							П			П						i
Wheatland Tube, "WLS"	\Box											$\overline{\Box}$	$\overline{\Box}$				$\overline{\Box}$				
Youngstown Tube, "EZ-Thread"																					İ
Schedule 10, Rolled Groove		300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)		300 (2070)			300 (2070)			300 (2070)	300 (2070)					İ
Lightwall Pipes, Rolled Groove																					
Allied Tube & Conduit, "Dyna-Flow"		300(2070)	300(2070)	300(2070)	300(2070)		300(2070)		300(2070)												
BlueSteel, "Fire Flow"		175 (1205)	175 (1205)						175 (1205)												
Bullmoose Tube, "EDDY-Flow"		300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)		300 (2070)												
Bullmoose Tube, "EDDYlite"		175 (1205)	175 (1205)	175 (1205)																	
Northwest Tube, "EZ-Flow"	\Box												\Box			\Box	$\overline{\Box}$	$\overline{\Box}$	$\overline{\Box}$		ĺ
Tex Tube Co., "Tex Flow"	H					$\overline{\Box}$					\Box	\equiv	H	\equiv	$\overline{\Box}$	\equiv	\equiv	\equiv	\equiv		
Welded Tube Berkley, "Steady-Flow"	\Box												H								

7.2)	20 (508.0)	24 (610.0)
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Wheatland Tube, "Mega-Flow"														
Wupperman, "Gal-7"														
Yieh Phui Enterprise, State Pipe, "SPS"														
Youngstown Tube, "Fire-Flo"														
Schedule 5 Pipe														
0.188 in. wall Rolled Groove											300 (2070)			
Tai Feng Qiao Metal Products "Flow II"		300 (2070)	300 (2070)			300 (2070)								
"Fire-Thread"		300 (2070)	300 (2070)											
BS 1387 medium or heavy grade	175 (1205)	175 (1205)	175 (1205)		300 (2070)	175 (1205)	175 (1205)	300 (2070)		300 (2070)				
Allied Tube & Conduit, "XL-II"	175 (1205)	175 (1205)	175 (1205)	175 (1205)		175 (1205)								
Wheatland Tube, "WST"	175 (1205)	175 (1205)	175 (1205)											
IDOD Systems "Gal-5"	175 (1205)	175 (1205)	175 (1205)											
Bull Moose "Ultra-EDDY"	175 (1205)	175 (1205)	175 (1205)											
Allied Tube & Conduit, "Super 40"	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)								
Allied Tube & Conduit, "Super-XL"	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)								
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Remarks:
a. FM Approved when supplied with an EPDM Gasket
b. For installation where greater rigidity of pipe system is required. Not for use as flexible joints in locations subject to earthquake.

Company Name	Aalberts integrated piping systems APAC Inc.
	0 11 0 7
Company Address:	No. 295, Sec. 3 Wantan Road, Wantan Pingtung, Taiwan (R.O. C) 913
Company Website:	http://shurjoint.com
New/Updated Product Listing:	No
Listing Country:	Taiwan
Certification Type:	FM Approved
Class of Work:	1920-Coupling & Fitting, All Type

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