

The following Sizes are included in all of the CadParts Pipe Fitting Libraries:

NIPPLES							
Standard	Standard Title	Material	Schedule/Class	Item	Coating	Diameter	Length
ASTM B 687	Standard Specification for Brass, Copper, and Chromium-Plated Pipe Nipples	Red Brass	Reg (Sch 40)	Nipples	None	1/8" to 8"	Close to 12"
ASTM B 687		Red Brass	XS (Sch 80)	Nipples	None	1/8" to 8"	Close to 12"
ASTM A 733-03	Standard Specification for Welded and Seamless Carbon Steel and Austenitic Stainless Steel Pipe Fittings	Carbon Steel	Sch 40 - Welded	Nipples	Both Black/Zinc	1/8" to 12"	Close to 12"
ASTM A 733-03		Carbon Steel	Sch 40 - Seamless	Nipples	Both Black/Zinc	1/8" to 12"	Close to 12"
ASTM A 733-03		Carbon Steel	Sch 80 - Welded	Nipples	Both Black/Zinc	1/8" to 12"	Close to 12"
ASTM A 733-03		Carbon Steel	Sch 80 - Seamless	Nipples	Both Black/Zinc	1/8" to 12"	Close to 12"
ASTM A 733-03		Carbon Steel	Sch 160 - Welded	Nipples	Both Black/Zinc	1/2" to 12"	Close to 12"
ASTM A 733-03		Carbon Steel	Sch 160 - Seamless	Nipples	Both Black/Zinc	1/2" to 12"	Close to 12"
ASTM A 733-03		Carbon Steel	Sch XXS - Welded	Nipples	Both Black/Zinc	1/2" to 12"	Close to 12"
ASTM A 733-03		Carbon Steel	Sch XXS - Seamless	Nipples	Both Black/Zinc	1/2" to 12"	Close to 12"

PIPE							
Standard	Standard Title	Material	Schedule/Class	Item	Coating	Diameter	Length
ASTM B 43	Specification for Seamless Red Brass Pipe	Red Brass	Reg (Sch 40)	Pipe	None	1/8" to 8"	See Notes
		Red Brass	XS (Sch 80)	Pipe	None	1/8" to 8"	See Notes
ASTM A 53	Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless	Carbon Steel	Sch 40 - Welded	Pipe	Both Black/Zinc	1/8" to 12"	See Notes
		Carbon Steel	Sch 40 - Seamless	Pipe	Both Black/Zinc	1/8" to 12"	See Notes
		Carbon Steel	Sch 80 - Welded	Pipe	Both Black/Zinc	1/8" to 12"	See Notes
		Carbon Steel	Sch 80 - Seamless	Pipe	Both Black/Zinc	1/8" to 12"	See Notes
		Carbon Steel	Sch 160 - Welded	Pipe	Both Black/Zinc	1/2" to 12"	See Notes
		Carbon Steel	Sch 160 - Seamless	Pipe	Both Black/Zinc	1/2" to 12"	See Notes
		Carbon Steel	Sch XXS - Welded	Pipe	Both Black/Zinc	1/2" to 12"	See Notes
		Carbon Steel	Sch XXS - Seamless	Pipe	Both Black/Zinc	1/2" to 12"	See Notes

* - The length for Pipe that is used in SolidWorks Routing is 1". After the Pipe is inserted in the routing, the length is calculated automatically

* - The length for Pipe that is used in CadParts PipeWorks is entered when inserting the pipe into the assembly

* - The length for Pipe in the General Library is 10" Long. When inserting into a program, the pipe will need to be saved and given a new name

FITTINGS							
Standard	Standard Title	Material	Schedule/Class	Item	Coating	Diameter	Process
ANSI/ASME B16.15	Cast Bronze Threaded Fitting	Bronze	Class 125	Cap	None	1/8" to 3/4"	Wrought
				Cap	None	1/8" to 4"	Cast
				Coupling	None	1/8" to 3/4"	Wrought
				Coupling	None	1/8" to 4"	Cast
				Cross	None	1/8" to 4"	Cast
				Elbow, 45	None	1/8" to 4"	Cast
				Elbow, 45, Street	None	1/8" to 2"	Cast
				Elbow, 90	None	1/8" to 4"	Cast
				Elbow, 90, Reducing	None	All sizes specified in Standard (14)	Cast
				Elbow, 90, Street	None	1/8" to 2"	Cast
				Reducer	None	All sizes specified in Standard (22)	Cast
				Return Bend, Close	None	1/8" to 1"	Cast
				Return Bend, Open	None	1/8" to 2"	Cast
				Tee	None	1/8" to 4"	Cast
				Tee, Reducing	None	All sizes specified in Standard (56)	Cast
				Y Branch, 45 Deg	None	1/8" to 2"	Cast
				ANSI/ASME B16.15	Cast Bronze Threaded Fitting	Bronze	Class 250
Bushing, Inside Head	None	All sizes specified in Standard (16)	Cast				
Bushing, Outside Hd	None	All sizes specified in Standard (22)	Cast				
Coupling	None	1/4" to 4"	Cast				
Cross	None	1/4" to 4"	Cast				
Elbow, 45	None	1/4" to 4"	Cast				
Elbow, 90	None	1/4" to 4"	Cast				
Elbow, 90, Reducing	None	All sizes specified in Standard (14)	Cast				
Plug, Sq Hd, Cored	None	1/2" to 4"	Cast				
Plug, Sq Hd, Socket	None	1/2" to 4"	Cast				
Plug, Square Head	None	1/8" to 4"	Cast				
Tee	None	1/4" to 4"	Cast				
Tee, Reducing	None	All sizes specified in Standard	Cast				

ASME B16.3	Malleable Iron Threaded Fittings	Steel - ASTM A197	Class 150	Caps	Both Black/Zinc	1/8" to 6" (28)	Cast
				Coupling	Both Black/Zinc	1/8" to 4"	Cast
				Coupling	Both Black/Zinc	1/8" to 3/4"	Wrought
				Coupling, Reducer	Both Black/Zinc	All sizes specified in Standard (21)	Cast
				Cross	Both Black/Zinc	1/8" to 6"	Cast
				Cross, Reducing	Both Black/Zinc	All sizes specified in Standard (14)	Cast
				Elbow, 45	Both Black/Zinc	1/8" to 6"	Cast
				Elbow, 45, Street	Both Black/Zinc	1/8" to 6"	Cast
				Elbow, 90	Both Black/Zinc	1/8" to 6"	Cast
				Elbow, 90, Reducing	Both Black/Zinc	All sizes specified in Standard (26)	Cast
				Elbow, 90, Street	Both Black/Zinc	1/8" to 6"	Cast
				Return Bends, Closed	Both Black/Zinc	1/2" to 2"	Cast
				Return Bends, Medium	Both Black/Zinc	1/2" to 2"	Cast
				Return Bends, Open	Both Black/Zinc	1/2" to 4"	Cast
				Tee	Both Black/Zinc	1/8" to 6"	Cast
				Tee, Reducing	Both Black/Zinc	All sizes specified in Standard (119)	Cast
				Tee, Street	Both Black/Zinc	1/4" to 4"	Cast
				Y Branch, 45 Deg	Both Black/Zinc	3/8" to 4"	Cast
			Class 300	Caps	Both Black/Zinc	1/4" to 3"	Cast
				Coupling, Reducer	Both Black/Zinc	All sizes specified in Standard (27)	Cast
				Couplings, W/O Band	Both Black/Zinc	1/4" to 3"	Cast
				Couplings, With Band	Both Black/Zinc	1/4" to 3"	Cast
				Cross	Both Black/Zinc	1/4" to 3"	Cast
				Elbow 45	Both Black/Zinc	1/4" to 3"	Cast
				Elbow, 45, Street	Both Black/Zinc	1/4" to 3"	Cast
				Elbow, 90	Both Black/Zinc	1/4" to 3"	Cast
				Elbow, 90, Reducing	Both Black/Zinc	All sizes specified in Standard (8)	Cast
				Elbow, 90, Street	Both Black/Zinc	1/4" to 3"	Cast
				Return Bend	Both Black/Zinc	1" to 2"	Cast
				Tee	Both Black/Zinc	1/4" to 3"	Cast
				Tee, Reducing	Both Black/Zinc	All sizes specified in Standard (29)	Cast
ASME B16.39	Malleable Iron Threaded Unions	Steel ASTM A197	Class 150	Union	Both Black/Zinc	1/8" to 4"	Cast
			Class 250	Union	Both Black/Zinc	1/8" to 4"	Cast
			Class 300	Union	Both Black/Zinc	1/8" to 4"	Cast

ASME B16.11	Forged Fittings, Socket-Welding & Threaded	Steel ASME B16.34	Class 2000				
	(Models are for Threaded Fittings Only)			Cross	Both Black/Zinc	1/8" to 4"	Forged
				Elbow, 45	Both Black/Zinc	1/8" to 4"	Forged
				Elbow, 90	Both Black/Zinc	1/8" to 4"	Forged
				Tee	Both Black/Zinc	1/8" to 4"	Forged
			Class 3000	Cap	Both Black/Zinc	1/8" to 4"	Forged
				Coupling	Both Black/Zinc	1/8" to 4"	Forged
				Coupling, Half	Both Black/Zinc	1/8" to 4"	Forged
				Cross	Both Black/Zinc	1/8" to 4"	Forged
				Elbow, 45	Both Black/Zinc	1/8" to 4"	Forged
				Elbow, 90	Both Black/Zinc	1/8" to 4"	Forged
				Tee	Both Black/Zinc	1/8" to 4"	Forged
			Class 6000	Cap	Both Black/Zinc	1/8" to 4"	Forged
				Coupling	Both Black/Zinc	1/8" to 4"	Forged
				Coupling, Half	Both Black/Zinc	1/8" to 4"	Forged
				Cross	Both Black/Zinc	1/8" to 4"	Forged
				Elbow, 45	Both Black/Zinc	1/8" to 4"	Forged
				Elbow, 90	Both Black/Zinc	1/8" to 4"	Forged
				Tee	Both Black/Zinc	1/8" to 4"	Forged
			Plugs & Bushings	Bushing, Flush Head	Both Black/Zinc	All sizes specified in Standard (40)	Forged
				Bushing, Hex Head	Both Black/Zinc	All sizes specified in Standard (40)	Forged
				Plug, Hex Head	Both Black/Zinc	1/8" to 4"	Forged
				Plug, Round Head	Both Black/Zinc	1/8" to 4"	Forged
				Plug, Sq Head	Both Black/Zinc	1/8" to 4"	Forged
ASME B16.4	Gray Iron Threaded Fittings	Iron ASTM A 126	Class 125	Caps	Both Black/Zinc	1/2" to 12"	Cast
				Coupling, Reducer	Both Black/Zinc	All sizes specified in Standard (43)	Cast
				Cross	Both Black/Zinc	1/4" to 12"	Cast
				Cross, Reducing	Both Black/Zinc	All sizes specified in Standard (35)	Cast
				Elbow, 45	Both Black/Zinc	1/4" to 12"	Cast
				Elbow, 90	Both Black/Zinc	1/4" to 12"	Cast
				Elbow, 90, Reducing	Both Black/Zinc	All sizes specified in Standard (36)	Cast
				Return Bend, Closed	Both Black/Zinc	1/2" to 6"	Cast
				Return Bend, Open	Both Black/Zinc	1/2" to 6"	Cast
				Tee	Both Black/Zinc	1/4" to 12"	Cast
				Tee, Reducing	Both Black/Zinc	All sizes specified in Standard (229)	Cast
			Class 250	Cross	Both Black/Zinc	1/4" to 12"	Cast
				Elbow, 45	Both Black/Zinc	1/4" to 12"	Cast
				Elbow, 90	Both Black/Zinc	1/4" to 12"	Cast
				Tee	Both Black/Zinc	1/4" to 12"	Cast