![Franklin Electric — FUELING SYSTEMS]

FLEXIBLE CONNECTORS

FLEX-ING™ Flexible Connectors have become the industry standard and benchmark for quality as a means to easily connect a pipework system to other system components such as submersible pumps or shear valves. As an integral part of any system, installers enjoy how easy they make connections in tight spaces while station owners have come to depend on their durability and their simplification of regular maintenance.
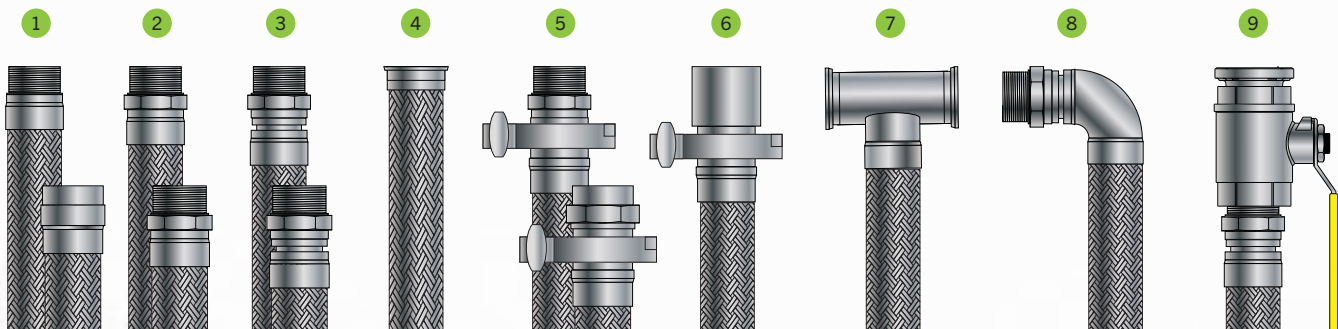
HIGHLIGHTS

- End fittings are available in either nickel plated steel or stainless steel construction.

- Multiple diameter and length options available as well as a wide offering of end fitting connections (including tees, elbows, and fiberglass transitions) to create the right flexible connector to fit virtually any application.

- Standard on all flexible connectors, the stainless steel corrugated fuel contact layers feature a thick construction and gain flexibility from having more corrugations per foot rather than thinner walls.

- Enclosing the corrugated fuel contact layer is a high-grade stainless steel braid.

- All metal construction means one flexible connector for both above and below ground applications (may not be direct buried).

- Schedule 80 hex end fittings protect against deformation of the ends during installation.

- The EZ FIT union style coupling system is specifically designed to make connections in confined spaces simple and tight. EZ FIT union style couplings come complete with couplers and gaskets (flange only fittings excluded).

Common End Fitting Options
See Ordering Information for a complete listing of options.

1 Non-hex male/female
2 Hex male/female
3 Male/female swivel
4 EZ Fit flange only
5 EZ Fit male/female
6 EZ Fit fiberglass pipe
7 EZ Fit tee
8 Male swivel 90° elbow
9 Ball valve

SPECIFICATIONS

Outer shell	304 stainless steel
Inner core	321 stainless steel
End fittings	Nickel plated steel or stainless steel
Pressure testing	100% pressure tested to 100 PSI to assure quality
Approvals/ certifications	— Meets USA NFPA 30-A fire code requirements
	— UL 2039 listed for 50 psi working pressure
	— UL 2039 listed: Only those fuels formulated in accordance with 40CFR80, "Regulation of Fuels and Fuel Additives," and meeting the following ASTM fuel specifications and blend limits:
	— Diesel with or without biodiesel blends up to 5% (B5)
	— Diesel with biodiesel blends between 6% - 20% (B6 - B20)
	— Gasoline with ethanol blends up to 10% (E10)
	— High-blend ethanol, with ethanol/gasoline blends from 51% to 83% (E51 - E83) commercially sold as E85 Diesel with or without biodiesel blends up to 5% (B5)
	— Mid-range ethanol, with ethanol/gasoline blends from 11% to 50% (E11 - E50)

ORDERING INFORMATION

Ordering Guide

Complete flexible connector model numbers have a specific order and are created using the following guidelines. Use the diagrams and table to build a model number.

AA BB X CC DDDD X E FFFF

AA = **Product Type**

FF = FLEX-ING™ flexible connector

BB = **Hose Diameter**

07 = ¾"	20 = 2"
10 = 1"	30 = 3"
15 = 1½"	40 = 4"

CC = **Overall Length in Inches**

Use two-digit format: 06 = 6", 24 = 24", etc. Maximum length of 108".

DDDD = **End Fitting First End**

Use End Fitting Options below.

**E** = **End Fitting Second End if Alternating Diameter (optional)**

Optional: Second end fitting alternate diameter. Only one end can be a different size than the hose diameter and it can only be one size larger than hose diameter.

FFFF = **End Fitting Second End**
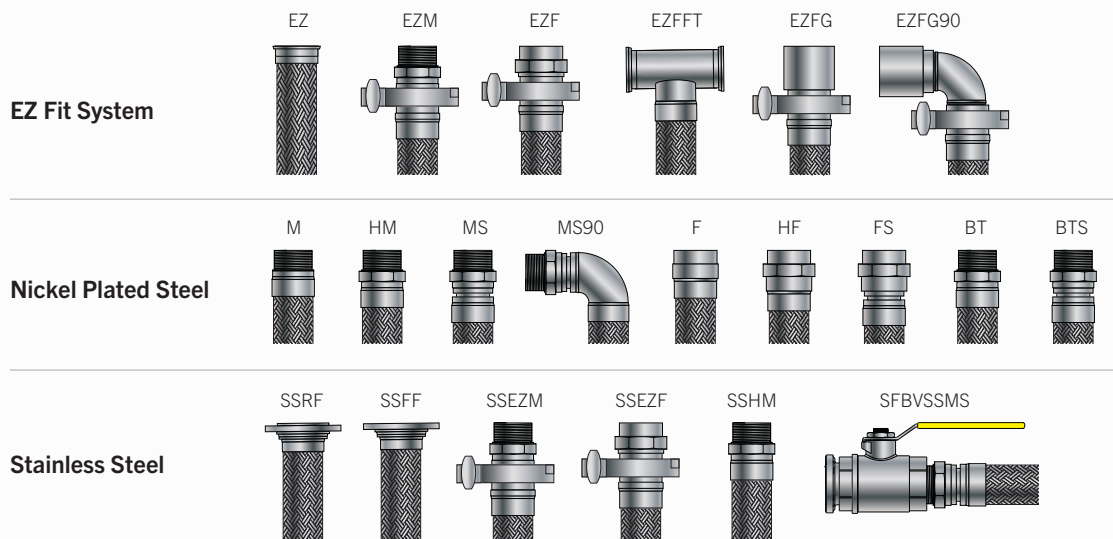
Use End Fitting Options below.

Example:

FF20X18EZMX15HM = Flexible connector with 2" hose diameter, 18" overall length, one 2" EZ fit male NPT end fitting, and one 1½" Hex male fixed end fitting.
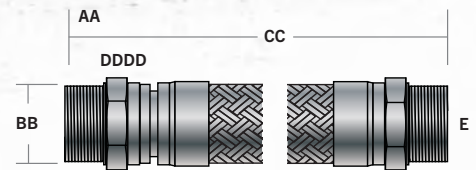
End Fitting Options

Use the diagrams below along with the Ordering Guide to help build flexible connector model numbers.

EZ Fit System

EZ EZM EZF EZFFT EZFG EZFG90

Nickel Plated Steel

M HM MS MS90 F HF FS BT BTS

Stainless Steel

SSRF SSFF SSEZM SSEZF SSHM SFBVSSMS

	Model	Description	¾"	1"	1½"	2"	3"	4"
EZ Fit System	EZ	EZ Fit flange only	✓	✓		✓	✓	
	EZM	EZ Fit with male NPT		✓	✓	✓	✓	
	EZF	EZ Fit with female NPT		✓	✓	✓	✓	
	EZFFT	EZ Fit tee			✓	✓			
	EZFG	EZ Fit with fiberglass glue pipe			✓	✓	✓	
	EZFG90	EZ Fit with fiberglass glue pipe 90° elbow			✓	✓	✓	
Nickel Plated Steel	M	Male fixed non-hex NPT					✓	✓
	HM	Male fixed hex NPT	✓	✓	✓	✓		
	MS	Male swivel hex NPT	✓	✓	✓	✓		
	MS90	Male swivel hex 90° elbow NPT			✓	✓		
	F	Female fixed non-hex NPT	✓	✓	✓	✓	✓	
	HF	Female fixed hex NPT			✓	✓		
	FS	Female swivel hex NPT			✓	✓		
	BT	Hex Male Fixed BSPT			✓	✓		
	BTS	Male Swivel BSPT			✓	✓	✓	
Stainless Steel	SSRF	Raised face flange, stainless steel		✓	✓	✓	✓	✓
	SSFF	Flat face flange, stainless steel			✓	✓	✓	✓
	SSEZM	EZ Fit with male NPT, stainless steel		✓	✓	✓	✓	
	SSEZF	EZ Fit with female NPT, stainless steel			✓	✓	✓	
	SSHM	Male fixed hex NPT, stainless steel	✓	✓	✓	✓		
	SFBVSSMS	Flat face flange ball valve with male swivel, stainless steel				✓		

✓ = Available

ORDERING INFORMATION CONTINUED

Flexible Connector Common Models

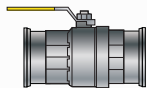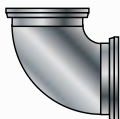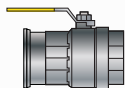| Model	Description
FF15X12HMXEZ	1½" diameter flexible connector, hex male by EZ Fit flange, 12" OAL
FF15X18HMXEZ	1½" diameter flexible connector, hex male by EZ Fit flange, 18" OAL
FF15X24HMXEZ	1½" diameter flexible connector, hex male by EZ Fit flange, 24" OAL
FF20X12HMXEZ	2" diameter flexible connector, hex male by EZ Fit flange, 12" OAL
FF20X18HMXEZ	2" diameter flexible connector, hex male by EZ Fit flange, 18" OAL
FF20X24HMXEZ	2" diameter flexible connector, hex male by EZ Fit flange, 24" OAL
FF30X12MXEZ	3" diameter flexible connector, male coupler x EZ Fit flange, 12" OAL
FF30X18MXEZ	3" diameter flexible connector, male coupler x EZ Fit flange, 18" OAL
FF30X24MXEZ	3" diameter flexible connector, male coupler x EZ Fit flange, 24" OAL
FF15X12MSXEZM	1½" diameter flexible connector, male swivel by EZ Fit male NPT, 12" OAL
FF15X18MSXEZM	1½" diameter flexible connector, male swivel by EZ Fit male NPT, 18" OAL
FF15X24MSXEZM	1½" diameter flexible connector, male swivel by EZ Fit male NPT, 24" OAL
FF20X12MSXEZM	2" diameter flexible connector, male swivel by EZ Fit male NPT, 12" OAL
FF20X18MSXEZM	2" diameter flexible connector, male swivel by EZ Fit male NPT, 18" OAL
FF20X24MSXEZM	2" diameter flexible connector, male swivel by EZ Fit male NPT, 24" OAL
FF20X12MSXF	2" diameter flexible connector, male swivel by female coupler, 12" OAL
FF20X18MSXF	2" diameter flexible connector, male swivel by female coupler, 18" OAL
FF20X24MSXF	2" diameter flexible connector, male swivel by female coupler, 24" OAL
FF30X12MXEZM	3" diameter flexible connector, male coupler by EZ Fit male NPT, 12" OAL
FF30X18MXEZM	3" diameter flexible connector, male coupler by EZ Fit male NPT, 18" OAL
FF30X24MXEZM	3" diameter flexible connector, male coupler by EZ Fit male NPT, 24" OAL
FF15X12EZXSSHM	1½" diameter flexible connector, EZ Fit flange by SS hex male, 12" OAL
FF15X18MSXSSHM	1½" diameter flexible connector, male swivel by SS hex male, 18" OAL
FF20X12SSHMXSSHM	2" diameter flexible connector, hex male by SS hex male, 12" OAL
FF20X18SSEZMXSSHM	2" diameter flexible connector, SS EZ Fit male NPT by SS hex male, 18" OAL

EZ Fit Accessories

Model	Description
EZFITXEZFIT	2" EZ Fit × EZ Fit connector, stainless steel

Model	Description
EZBLANK	2" EZ Fit blank, stainless steel
EZ30BLANK	3" EZ Fit blank, stainless steel

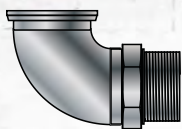| Model	Description
EZXEZX20BV	2" EZ Fit × 2" EZ Fit ball valve
EZX20BV	2" EZ Fit × 2" ball valve, brass
EZXEZX20BVSS	2" EZ Fit × 2" EZ Fit ball valve, stainless steel
EZX20BVSS	2" EZ Fit × 2" ball valve, stainless steel
EZ30XEZ30X30BV	3" EZ Fit × 3" EZ Fit ball valve, brass
EZ30XEZ30X30SSBV	3" EZ Fit × 3" EZ Fit ball valve, stainless steel

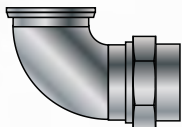| Model	Description
EZXEZ90	2" EZ Fit × 2" EZ Fit 90° elbow, stainless steel
EZ30XEZ3090	3" EZ Fit × 2" EZ Fit 90° elbow, stainless steel
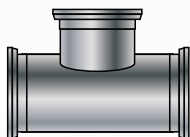
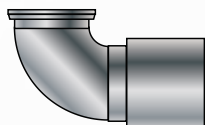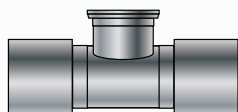| Model	Description
EZXEZXEZTEE	2" EZ Fit × 2" EZ Fit × 2" EZ Fit 1½" tee, stainless steel
EZ20XEZ20TEEFF	2" EZ Fit × 2" EZ Fit × 2" EZ Fit, 2" tee, stainless steel
EZ30XEZ30XEZ30T	3" EZ Fit × 3" EZ Fit × 3" EZ Fit tee, stainless steel

ORDERING INFORMATION CONTINUED

Model	Description
EZX15HM90	2" EZ Fit × 1½" hex male 90° elbow, nickel plated
EZX20HM90	2" EZ Fit × 2" hex male 90° elbow, nickel plated
EZX20HM90SS	2" EZ Fit × 2" hex male 90° elbow, stainless steel
EZX30M90	3" EZ Fit × 3" male 90° elbow, nickel plated

Model	Description
EZX20HF90	2" EZ Fit × 2" female 90° elbow, nickel plated
EZX30F90	3" EZ Fit × 3" female 90° elbow, nickel plated

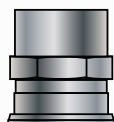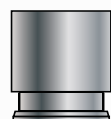| Model	Description
EZX20FG90	2" EZ Fit × 2" fiberglass glue pipe 90° elbow, nickel plated
EZX30FG90	3" EZ Fit × 3" fiberglass glue pipe 90° elbow, nickel plated

Model	Description
EZX20FGTEE	2" EZ Fit × 2" fiberglass glue pipe tee, nickel plated
EZX30FGTEE	3" EZ Fit × 3" fiberglass glue pipe tee, nickel plated

Model	Description
EZX15HMPL	2" EZ Fit × 1½" hex male, nickel plated
EZX15HMSS	2" EZ Fit × 1½" hex male, stainless steel
EZX20HMPL	2" EZ Fit × 2" hex male, nickel plated
EZX20HMSS	2" EZ Fit × 2" hex male, stainless steel
EZX30MP	3" EZ Fit × 3" male, nickel plated

Model	Description
EZX15HFSS	2" EZ Fit × 1½" hex female, stainless steel
EZX20HFPL	2" EZ Fit × 2" hex female, nickel plated
EZX20HFSS	2" EZ Fit × 2" hex female, stainless steel

Model	Description
EZX20FGPL	2" EZ Fit × 2" fiberglass glue pipe, nickel plated
EZX20FGSS	2" EZ Fit × 2" fiberglass glue pipe, stainless steel
EZX30FGSS	3" EZ Fit × 3" fiberglass glue pipe, nickel plated

Model	Description
EZ10CLAMP	1" EZ Fit clamp
EZCLAMP	2" EZ Fit clamp
EZ30CLAMP	3" EZ Fit clamp

Model	Description
407493001	1" EZ Fit gasket
407493002	2" EZ Fit gasket
407493003	3" EZ Fit gasket

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