IAPMO RESEARCH AND TESTING, INC.

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CERTIFICATE OF LISTING

IAPMO Research and Testing, Inc. is a product certification body which tests and inspects samples taken from the supplier's stock or from the market or a combination of both to verify compliance to the requirements of applicable codes and standards. This activity is coupled with periodic surveillance of the supplier's factory and warehouses as well as the assessment of the supplier's Quality Assurance System. This listing is subject to the conditions set forth in the characteristics below and is not to be construed as any recommendation, assurance or guarantee by IAPMO Research and Testing, Inc. of the product acceptance by Authorities Having Jurisdiction.

Effective Date: April 2012 -Rev. 1/4/2013- Void After: April 2013

Product: Push Fit Fittings File No. 4931

Issued To: Quick Fitting Inc.

30 Plan Way

Warwick, RI 02886

Identification: Manufacturer's name or trademark shall be applied so as to be visible after

installation. Fittings 1/2 NTS (15DN) or smaller may use a permanent label complying with UL969 to display the required markings. The markings shall be cast, etched, stamped, ink printed or engraved on the fitting. Product shall

also bear the cUPC® certification mark.

Characteristics: Push fit fittings that have a quick assembly push fit mechanism that can be

used with Copper, PEX and CPVC tubing and pipes. Fittings for use in domestic and commercial application for both potable water distribution systems and hydronic heating systems. Push fit fittings can be utilized in underground applications and as manufactured joints without access panels. To be

installed in accordance with the manufacturer's instructions and the latest

edition of the Uniform Plumbing Code.

Products listed on this certificate have been tested by an IAPMO R&T recognized laboratory. This recognition has been granted based upon the laboratory's compliance to the applicable requirements of ISO/IEC 17025.

Products are in compliance with the following code(s):

Chairman, Product Certification Committee

CFO The IAPMO Group

For the most accurate and updated information please visit http://pld.iapmo.org/4931

This listing period is based upon the last date of the month indicated on the Effective Date and Void After Date shown above. Any change in material, manufacturing process, marking or design without having first obtained the approval of the Product Certification Committee, or any evidence of non-compliance with applicable codes and standards or of inferior workmanship, may be deemed sufficient cause for revocation of this listing. Production of or reference to this form for advertising purposes may be made only by specific written permission of IAPMO Research and Testing, Inc. Any alteration of this certificate could be grounds for revocation of the listing.





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Product: Push Fit Fittings File No. 4931

Issued To: Quick Fitting Inc.

Uniform Plumbing Code (UPC®)
National Plumbing Code of Canada
International Plumbing Code (IPC®)



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Product: Push Fit Fittings File No. 4931

Issued To: Quick Fitting Inc.

MODELS:

FitQuick

EverGrip Lead Free

Copro", Probite", Pushconnect", Fit Quick", Ever Grip™, Push Grip™, Perma Grip™, Copro Pure™

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Model No.
              <u>Description</u>
              CxMIP Coupling 1/2" - 1/2" NPT
070001
              CxMIP Coupling 1/2" - 3/4" NPT
070002
070003
              CxMIP Coupling 3/4" - 1/2" NPT
             CxMIP Coupling 3/4" - 3/4" NPT
070004
              CxFIP Coupling 1/2" - 1/2" Tap
070010
              CxFIP Coupling 1/2" - 3/4" Tap
070011
070012
              CxFIP Coupling 3/4" - 3/4" Tap
              CxFIP Coupling 3/4" - 3/4" Tap
070013
              CxC Coupling 1/2"
070019
070020
              CxC Coupling 3/4"
070025
              Reducing Coupling 3/4" - 1/2"
070032
              Repairing Coupling - 1/2"
              Repairing Coupling - 3/4"
070033
              Straight Tap Connector 3/4" - 3/4" NPT
070038
070039
             CxMIP Elbow 1/2" - 1/2" NPT
             CxMIP Elbow 1/2" - 3/4" NPT
070040
              CxMIP Elbow 3/4" - 3/4" NPT
070041
070044
              CxSW Elbow 1/2"
070045
              CxSW Elbow 3/4"
070047
              CxFIP Elbow - Tap 1/2" - 1/2" NPT
070048
              CxFIP Elbow - Tap 3/4" - 3/4" NPT
070050
              CxC Elbow 1/2"
              CxC Elbow 3/4"
070051
              CxCXC Tee 1/2"
070056
              CxCXC Tee 3/4"
070057
              Reducing Tee 3/4" - 1/2" - 3/4"
070062
              Reducing Tee 3/4" - 3/4" - 1/2"
070070
              Reducing Tee 3/4" - 1/2" - 1/2"
070071
              CxCxFIP Tee 1/2" - 1/2" NPT - 1/2"
070072
              CxCxFIP Tee 3/4" - 1/2" NPT - 3/4"
070073
              CxCxFIP Tee 3/4" - 3/4" NPT - 3/4"
070074
070075
              CxCxMIP Tee 3/4" - 1/2" NPT - 3/4"
              CxCxMIP Tee 3/4" - 3/4" NPT - 3/4"
070076
070077
              Stop End 1/2"
              Stop End 3/4"
070078
070083
              Removable Stop End 1/2"
070084
              Removable Stop End 3/4"
ProBite
                     = PBXXX
PushConnect
                     = PCXXX
EverGrip
                     = EGXXX
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= 600 Series

= EGXXXLF



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Product: Push Fit Fittings File No. 4931

Issued To: Quick Fitting Inc.

ProBite Lead Free = LFXXX Copro Pure Lead Free = CPXXX ProLine Lead Free = MIXXX Lead Free Suffix = LF

Lead Free Prefix = LF, CP,MI, XX

Low Lead Prefix = PB, PC, 600, EG, 700, XX

Basic Model	Model No.	Dogg	rir	otion				
XX801	PB801	3/8"	_	3/8"	C+ra	iah+	Coup]	ina
XX801	LF801	3/8"		3/8"		_	Coupl	_
XX801	PC801	3/8"		3/8"		_	Coupl	_
XX801	EG801	3/8"		3/8"			Coupl	
XX801	EG801LF	3/8"		3/8"			Coupl	
XX801	MI801	3/8"		3/8"		_	_	_
XX801	CP801	3/8"		3/8"			Coupl	
	645QB1	3/8"		3/8"		_	Coupl Coupl	_
XX801 XX811	PB811	1/2"		1/2"		_	Coupl	_
XX811	LF811	1/2"		1/2"		_	Coup1	_
XX811	PC811	1/2"		1/2"		_	Coupl	_
		1/2"		1/2"		_	_	_
XX811	EG811					_	Coupl	_
XX811	EG811LF	1/2"		1/2"		_	Coupl	_
XX811 XX811	MI811 CP811	1/2" 1/2"		1/2" 1/2"		_	Coupl	_
XX811	645QB2	1/2"		1/2"			Coupl Coupl	
						_	_	_
XX811 XX821	70019 PB821	1/2" 3/4"		1/2" 3/4"		ight	Coupl	
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				3/4"				oling
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XX821 XX821	70020	3/4"	x	3/4"		ight	_	oling
							_	orring
XX831 XX831	PB831 PC831		1 " 1 "	Strai	_	_	oling oling	
XX831	EG831		1 "	Strai	_	_	oling	
XX831	EG831LF		1 "	Strai	_		oling	
XX831	MI831	1"x :		Strai	_	_	oling	
XX831	CP831	1"x :		Strai			oling	
XX831	645QB4		1 "	Strai			oling	
XX831	70021	1"x :		Strai		_	oling	
XX851	LF851	1 1/4		x 1 1		Strai	_	Coupling
XX851	PC851	1 1/4		x 1 1			_	
XX851	EG851	1 1/4		x 1 1		Strai Strai	_	Coupling Coupling
XX851 XX851	EG851LF	1 1/4			1/4" 1/4"	Strai	_	Coupling
XX851 XX851	MI851	1 1/4			1/4" 1/4"	Strai	_	Coupling
XX851 XX851	CP851	1 1/4			1/4" 1/4"	Strai	_	Coupling
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Product: Push Fit Fittings File No. 4931

XX851			
XX861			
XX861			
XX861 EG861LF 1 1/2" x 1 1/2" Straight Coupling XX861 MI861 1 1/2" x 1 1/2" Straight Coupling XX861 645QB6 1 1/2" x 1 1/2" Straight Coupling XX871 LF871 2" x 2" Straight Coupling XX871 LF871 2" x 2" Straight Coupling XX871 EG871 2" x 2" Straight Coupling XX871 EG871 2" x 2" Straight Coupling XX871 EG871LF 2" x 2" Straight Coupling XX871 CP871 2" x 2" Straight Coupling XX871 CP871 2" x 2" Straight Coupling XX871 EG871LF 2" x 2" Straight Coupling XX871 EG871 1/2" Slip Repair Coupling XX817 PB817 1/2" Slip Repair Coupling XX817 LF817 1/2" Slip Repair Coupling XX817 EG817 1/2" Slip Repair Coupling XX827 PB827 3/4" Slip Repair Coupling XX827 PB827 3/4" Slip Repair Coupling XX827 PB827 3/4" Slip Repair Coupling XX827 EG827 3/4" Slip Repair Coupling XX837 EG837 1" Slip Repair Coupling XX840 EG8401 1/2" x 3/8" Re	XX861	PC861	
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XX8401 EG8401 1/2" x 3/8" Reducing Coupling XX8401 EG8401LF 1/2" x 3/8" Reducing Coupling XX8401 MI8401 1/2" x 3/8" Reducing Coupling XX8401 CP8401 1/2" x 3/8" Reducing Coupling XX8401 645QB31 1/2" x 3/8" Reducing Coupling			9 2 9
XX8401 EG8401LF 1/2" x 3/8" Reducing Coupling XX8401 MI8401 1/2" x 3/8" Reducing Coupling XX8401 CP8401 1/2" x 3/8" Reducing Coupling XX8401 645QB31 1/2" x 3/8" Reducing Coupling			3 1 3
XX8401 MI8401 1/2" x 3/8" Reducing Coupling XX8401 CP8401 1/2" x 3/8" Reducing Coupling XX8401 645QB31 1/2" x 3/8" Reducing Coupling			
XX8401 CP8401 1/2" x 3/8" Reducing Coupling XX8401 645QB31 1/2" x 3/8" Reducing Coupling			
XX8401 645QB31 1/2" x 3/8" Reducing Coupling			
XX841 PB841 3/4" x 1/2" Reducing Coupling			
	XX841	PB841	3/4" x $1/2$ " Reducing Coupling



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Product: Push Fit Fittings File No. 4931

XX841	LF841	3/4" x $1/2$ " Reducing Coupling
XX841	PC841	3/4" x $1/2$ " Reducing Coupling
XX841	EG841	3/4" x $1/2$ " Reducing Coupling
XX841	EG841LF	3/4" x $1/2$ " Reducing Coupling
XX841	MI841	3/4" x $1/2$ " Reducing Coupling
XX841	CP841	3/4" x $1/2$ " Reducing Coupling
XX841	645QB32	3/4" x $1/2$ " Reducing Coupling
XX841	70025	3/4" x $1/2$ " Reducing Coupling
XX8413	PB8413	1" x $3/4$ " Reducing Coupling
XX8413	LF8413	1" x $3/4$ " Reducing Coupling
XX8413	PC8413	1" \times 3/4" Reducing Coupling
XX8413	EG8413	1" x 3/4" Reducing Coupling
XX8413	EG8413LF	1" x 3/4" Reducing Coupling
XX8413	MI8413	1" x 3/4" Reducing Coupling
XX8413	CP8413	1" x 3/4" Reducing Coupling
XX8413	645QB43	1" x 3/4" Reducing Coupling
XX8413	70026	1" x 3/4" Reducing Coupling
XX8451	LF8451	1 1/4" x 1" Reducing Coupling
XX8451	PC8451	1 1/4" x 1" Reducing Coupling
XX8451	EG8451	1 1/4" x 1" Reducing Coupling
XX8451	EG8451LF	1 1/4" x 1" Reducing Coupling
XX8451	MI8451	1 1/4" x 1" Reducing Coupling
XX8451	CP8451	1 1/4" x 1" Reducing Coupling
XX8451	645QB54	1 1/4" x 1" Reducing Coupling
XX8461	LF8461	1 1/2" x 1 1/4" Reducing Coupling
XX8461	PC8461	1 1/2" x 1 1/4" Reducing Coupling
XX8461	EG8461	1 1/2" x 1 1/4" Reducing Coupling
XX8461	EG8461LF	1 1/2" x 1 1/4" Reducing Coupling
XX8461	MI8461	1 1/2" x 1 1/4" Reducing Coupling
XX8461	CP8461	1 1/2" x 1 1/4" Reducing Coupling
XX8461	645QB65	1 1/2" x 1 1/4" Reducing Coupling
XX8471	LF8471	2" x 1 1/2" Reducing Coupling
XX8471	PC8471	2" x 1 1/2" Reducing Coupling
XX8471	EG8471	2" x 1 1/2" Reducing Coupling
XX8471	EG8471LF	2" x 1 1/2" Reducing Coupling
XX8471	MI8471	2" x 1 1/2" Reducing Coupling
XX8471	CP8471	2" x 1 1/2" Reducing Coupling
XX8471	645QB76	2" x 1 1/2" Reducing Coupling
XX802F	PB802F	3/8" x 3/8" FNPT Female Adapter
XX802F	LF802F	3/8" x 3/8" FNPT Female Adapter
XX802F	PC802F	3/8" x 3/8" FNPT Female Adapter
XX802F	EG802F	3/8" x 3/8" FNPT Female Adapter
XX802F	EG802FLF	3/8" x 3/8" FNPT Female Adapter
XX802F	MI802F	3/8" x 3/8" FNPT Female Adapter
XX802F	CP802F	3/8" x 3/8" FNPT Female Adapter
XX802F	647QB1	3/8" x 3/8" FNPT Female Adapter
XX840F	PB840F	1/2" x 3/8" FNPT Female Adapter
XX840F	LF840F	1/2" x 3/8" FNPT Female Adapter
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Product: Push Fit Fittings File No. 4931

XX840F	PC840F	1/2"	x 3/8" FNPT Female Adapter
XX840F	EG840F	1/2"	x 3/8" FNPT Female Adapter
XX840F	EG840FLF	1/2"	x 3/8" FNPT Female Adapter
XX840F	MI840F	1/2"	x 3/8" FNPT Female Adapter
XX840F	CP840F	1/2"	x 3/8" FNPT Female Adapter
XX840F	647QB21	1/2"	x 3/8" FNPT Female Adapter
XX812F	PB812F	1/2"	x 1/2" FNPT Female Adapter
XX812F	LF812F	1/2"	x 1/2" FNPT Female Adapter
XX812F	PC812F	1/2"	x 1/2" FNPT Female Adapter
XX812F	EG812F	1/2"	x 1/2" FNPT Female Adapter
XX812F	EG812FLF	1/2"	x 1/2" FNPT Female Adapter
XX812F	MI812F	1/2"	x 1/2" FNPT Female Adapter
XX812F	CP812F	1/2"	x 1/2" FNPT Female Adapter
XX812F	647QB2	1/2"	x 1/2" FNPT Female Adapter
XX812F	70010	1/2"	x 1/2" FNPT Female Adapter
XX822F	PB822F	3/4"	x 3/4" FNPT Female Adapter
XX822F	LF822F	3/4"	x 3/4" FNPT Female Adapter
XX822F	PC822F	3/4"	x 3/4" FNPT Female Adapter
XX822F	EG822F	3/4"	x 3/4" FNPT Female Adapter
XX822F	EG822FLF	3/4"	x 3/4" FNPT Female Adapter
XX822F	MI822F	3/4"	x 3/4" FNPT Female Adapter
XX822F	CP822F	3/4"	x 3/4" FNPT Female Adapter
XX822F	647QB3	3/4"	x 3/4" FNPT Female Adapter
XX822F	70013	3/4"	x 3/4" FNPT Female Adapter
XX842F	PB842F	1/2"	x 3/4" FNPT Female Adapter
XX842F	LF842F	1/2"	x 3/4" FNPT Female Adapter
XX842F	PC842F	1/2"	x 3/4" FNPT Female Adapter
XX842F	EG842F	1/2"	x 3/4" FNPT Female Adapter
XX842F	EG842FLF	1/2"	x 3/4" FNPT Female Adapter
XX842F	MI842F	1/2"	x 3/4" FNPT Female Adapter
XX842F	CP842F	1/2"	x 3/4" FNPT Female Adapter
XX842F	647QB32	1/2"	x 3/4" FNPT Female Adapter
XX842F	70011	1/2"	x 3/4" FNPT Female Adapter
XX832F	PB832F	1" x	1" FNPT FNPT Female Adapter
XX832F	LF832F	1" x	1" FNPT FNPT Female Adapter
XX832F	PC832F	1" x	1" FNPT FNPT Female Adapter
XX832F	EG832F	1" x	1" FNPT FNPT Female Adapter
XX832F	EG832FLF	1" x	1" FNPT FNPT Female Adapter
XX832F	MI832F	1" x	1" FNPT FNPT Female Adapter
XX832F	CP832F	1" x	1" FNPT FNPT Female Adapter
XX832F	647QB4	1" x	1" FNPT FNPT Female Adapter
XX832F	70015	1" x	1" FNPT FNPT Female Adapter
XX8322F	PB8322F	1" x	3/4" FNPT FNPT Female Adapter
XX8322F	LF8322F	1" x	3/4" FNPT FNPT Female Adapter
XX8322F	PC8322F	1" x	3/4" FNPT FNPT Female Adapter
XX8322F	EG8322F	1" x	3/4" FNPT FNPT Female Adapter
XX8322F	EG8322FLF		3/4" FNPT FNPT Female Adapter
XX8322F	MI8322F	1" x	3/4" FNPT FNPT Female Adapter



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Product: Push Fit Fittings File No. 4931

XX8322F	CP8322F	1" x $3/4$ " FNPT FNPT Female Adapter
XX8322F	647QB34	1" x $3/4$ " FNPT FNPT Female Adapter
XX8322F	70016	1" x $3/4$ " FNPT FNPT Female Adapter
XX8233F	PB8233F	3/4" x 1" FNPT FNPT Female Adapter
XX8233F	LF8233F	3/4" x 1" FNPT FNPT Female Adapter
XX8233F	PC8233F	3/4" x 1" FNPT FNPT Female Adapter
XX8233F	EG8233F	3/4" x 1" FNPT FNPT Female Adapter
XX8233F	EG8233FLF	3/4" x 1" FNPT FNPT Female Adapter
XX8233F	MI8233F	3/4" x 1" FNPT FNPT Female Adapter
XX8233F	CP8233F	3/4" x 1" FNPT FNPT Female Adapter
XX8233F	647QB43	3/4" x 1" FNPT FNPT Female Adapter
XX852F	LF852F	1 1/4" x 1 1/4" FNPT FNPT Female Adapter
XX852F	PC852F	1 1/4" x 1 1/4" FNPT FNPT Female Adapter
XX852F	EG852F	1 1/4" x 1 1/4" FNPT FNPT Female Adapter
XX852F	EG852FLF	1 1/4" x 1 1/4" FNPT FNPT Female Adapter
XX852F	MI852F	1 1/4" x 1 1/4" FNPT FNPT Female Adapter
XX852F	CP852F	1 1/4" x 1 1/4" FNPT FNPT Female Adapter
XX852F	647QB5	1 1/4" x 1 1/4" FNPT FNPT Female Adapter
XX862F	LF862F	1 1/2" x 1 1/2" FNPTFNPT Female Adapter
XX862F	PC862F	1 1/2" x 1 1/2" FNPTFNPT Female Adapter
XX862F	EG862F	1 1/2" x 1 1/2" FNPTFNPT Female Adapter
XX862F	EG862FLF	1 1/2" x 1 1/2" FNPTFNPT Female Adapter
XX862F	MI862F	1 1/2" x 1 1/2" FNPTFNPT Female Adapter
XX862F	CP862F	1 1/2" x 1 1/2" FNPTFNPT Female Adapter
XX862F	6470B6	1 1/2" x 1 1/2" FNPTFNPT Female Adapter
XX872F	LF872F	2" x 2" FNPT Female Adapter
XX872F	PC872F	2" x 2" FNPT Female Adapter
XX872F	EG872F	2" x 2" FNPT Female Adapter
XX872F	EG872FLF	2" x 2" FNPT Female Adapter
XX872F	MI872F	2" x 2" FNPT Female Adapter
XX872F	CP872F	2" x 2" FNPT Female Adapter
XX872F	647QB7	2" x 2" FNPT Female Adapter
XX802M	PB802M	3/8" x 3/8"MNPT Male Adapter
XX802M	LF802M	3/8" x 3/8"MNPT Male Adapter
XX802M	PC802M	3/8" x 3/8"MNPT Male Adapter
XX802M	EG802M	3/8" x 3/8"MNPT Male Adapter
XX802M	EG802MLF	3/8" x 3/8"MNPT Male Adapter
XX802M	MI802M	3/8" x 3/8"MNPT Male Adapter
XX802M	CP802M	3/8" x 3/8"MNPT Male Adapter
XX802M	6460B1	3/8" x 3/8"MNPT Male Adapter
XX840M	PB840M	1/2" x 3/8" MNPT Male Adapter
XX840M	LF840M	1/2" x 3/8" MNPT Male Adapter
XX840M	PC840M	1/2" x 3/8" MNPT Male Adapter
XX840M	EG840M	1/2" x 3/8" MNPT Male Adapter
XX840M	EG840MLF	1/2" x 3/8" MNPT Male Adapter
XX840M	MI840M	1/2" x 3/8" MNPT Male Adapter
XX840M	CP840M	1/2" x 3/8" MNPT Male Adapter
XX840M	646QB21	1/2" x 3/8" MNPT Male Adapter
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Product: Push Fit Fittings File No. 4931

XX812M	PB812M	1/2"	х	1/2" MNPT Male Adapter
XX812M	LF812M	1/2"		1/2" MNPT Male Adapter
XX812M	PC812M	1/2"	х	1/2" MNPT Male Adapter
XX812M	EG812M	1/2"	х	1/2" MNPT Male Adapter
XX812M	EG812MLF	1/2"	х	1/2" MNPT Male Adapter
XX812M	MI812M	1/2"	х	1/2" MNPT Male Adapter
XX812M	CP812M	1/2"	х	1/2" MNPT Male Adapter
XX812M	646QB2	1/2"	х	1/2" MNPT Male Adapter
XX812M	70001	1/2"	х	1/2" MNPT Male Adapter
XX822M	PB822M	3/4"	х	3/4" MNPT Male Adapter
XX822M	LF822M	3/4"	х	3/4" MNPT Male Adapter
XX822M	PC822M	3/4"	х	3/4" MNPT Male Adapter
XX822M	EG822M	3/4"	х	3/4" MNPT Male Adapter
XX822M	EG822MLF	3/4"	х	3/4" MNPT Male Adapter
XX822M	MI822M	3/4"	х	3/4" MNPT Male Adapter
XX822M	CP822M	3/4"	х	3/4" MNPT Male Adapter
XX822M	646QB3	3/4"	х	3/4" MNPT Male Adapter
XX822M	70004	3/4"	х	3/4" MNPT Male Adapter
XX842M	PB842M	1/2"	х	3/4"MNPT Male Adapter
XX842M	LF842M	1/2"	х	3/4"MNPT Male Adapter
XX842M	PC842M	1/2"	х	
XX842M	EG842M	1/2"	х	3/4"MNPT Male Adapter
XX842M	EG842MLF	1/2"	х	
XX842M	MI842M	1/2"	х	3/4"MNPT Male Adapter
XX842M	CP842M	1/2"	х	3/4"MNPT Male Adapter
XX842M	646QB32	1/2"	х	3/4"MNPT Male Adapter
XX842M	70002	1/2"	х	3/4"MNPT Male Adapter
XX8233M	PB8233M	3/4"	х	1"MNPT Male Adapter
XX8233M	LF8233M	3/4"	х	1"MNPT Male Adapter
XX8233M	PC8233M	3/4"	х	1"MNPT Male Adapter
XX8233M	EG8233M	3/4"	х	1"MNPT Male Adapter
XX8233M	EG8233MLF	3/4"	х	1"MNPT Male Adapter
XX8233M	MI8233M	3/4"	х	1"MNPT Male Adapter
XX8233M	CP8233M	3/4"	х	1"MNPT Male Adapter
XX8233M	646QB23	3/4"	х	1"MNPT Male Adapter
XX8233M	70003	3/4"	х	1"MNPT Male Adapter
XX832M	PB832M	1" x	1"	MNPT Male Adapter
XX832M	LF832M	1" x	1 "	MNPT Male Adapter
XX832M	PC832M	1" x	1"	MNPT Male Adapter
XX832M	EG832M	1" x	1 "	MNPT Male Adapter
XX832M	EG832MLF	1" x	1 "	MNPT Male Adapter
XX832M	MI832M	1" x	1 "	MNPT Male Adapter
XX832M	CP832M	1" x	1"	MNPT Male Adapter
XX832M	646QB4	1" x	1"	=
XX832M	70016	1" x	1"	MNPT Male Adapter
XX8322M	PB8322M	1" x	3/	4" MNPT Male Adapter
XX8322M	LF8322M	1" x	3/	4" MNPT Male Adapter
XX8322M	PC8322M	1" x	3/	4" MNPT Male Adapter



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Product: Push Fit Fittings File No. 4931

XX8322M	EG8322M	1" x 3/4" MNPT Male Adapter
XX8322M	EG8322MLF	1" x 3/4" MNPT Male Adapter
XX8322M	MI8322M	1" x 3/4" MNPT Male Adapter
XX8322M	CP8322M	1" x $3/4$ " MNPT Male Adapter
XX8322M	646QB34	1" x 3/4" MNPT Male Adapter
XX8322M	70099	1" x 3/4" MNPT Male Adapter
XX852M	LF852M	$1 \ 1/4$ " x $1 \ 1/4$ " MNPT Male Adapter
XX852M	PC852M	1 $1/4$ " x 1 $1/4$ " MNPT Male Adapter
XX852M	EG852M	1 1/4" x $1 1/4$ " MNPT Male Adapter
XX852M	EG852MLF	1 $1/4$ " x 1 $1/4$ " MNPT Male Adapter
XX852M	MI852M	1 $1/4$ " x 1 $1/4$ " MNPT Male Adapter
XX852M	CP852M	$1\ 1/4$ " x $1\ 1/4$ " MNPT Male Adapter
XX852M	646QB5	$1\ 1/4$ " x $1\ 1/4$ " MNPT Male Adapter
XX862M	LF862M	$1\ 1/2$ " x $1\ 1/2$ "MNPT Male Adapter
XX862M	PC862M	$1\ 1/2$ " x $1\ 1/2$ "MNPT Male Adapter
XX862M	EG862M	$1 \ 1/2$ " x $1 \ 1/2$ "MNPT Male Adapter
XX862M	EG862MLF	$1 \ 1/2$ " x $1 \ 1/2$ "MNPT Male Adapter
XX862M	MI862M	$1 \ 1/2$ " x $1 \ 1/2$ "MNPT Male Adapter
XX862M	CP862M	$1 \ 1/2$ " x $1 \ 1/2$ "MNPT Male Adapter
XX862M	646QB6	1 1/2" x 1 1/2"MNPT Male Adapter
XX872M	LF872M	2" x 2" MNPT Male Adapter
XX872M	PC872M	2" x 2" MNPT Male Adapter
XX872M	EG872M	2" x 2" MNPT Male Adapter
XX872M	EG872MLF	2" x 2" MNPT Male Adapter
XX872M	MI872M	2" x 2" MNPT Male Adapter
XX872M	CP872M	2" x 2" MNPT Male Adapter
XX872M	646QB7	2" x 2" MNPT Male Adapter
XX803	PB803	3/8" x 3/8" Elbow
XX803	LF803	3/8" x 3/8" Elbow
XX803	PC803	3/8" x 3/8" Elbow
XX803	EG803	3/8" x 3/8" Elbow
XX803	EG803LF	3/8" x 3/8" Elbow
XX803	MI803	3/8" x 3/8" Elbow
XX803	CP803	3/8" x 3/8" Elbow
XX803	642QB1	3/8" x 3/8" Elbow
XX813	PB813	1/2" x $1/2$ " Elbow
XX813	LF813	1/2" x $1/2$ " Elbow
XX813	PC813	1/2" x $1/2$ " Elbow
XX813	EG813	1/2" x $1/2$ " Elbow
XX813	EG813LF	1/2" x 1/2" Elbow
XX813	MI813	1/2" x 1/2" Elbow
XX813	CP813	1/2" x 1/2" Elbow
XX813	642QB2	1/2" x 1/2" Elbow
XX813	70050	1/2" x 1/2" Elbow
XX823	PB823	3/4" x 3/4" Elbow
XX823	LF823	3/4" x 3/4" Elbow
XX823	PC823	3/4" x 3/4" Elbow
XX823	EG823	3/4" x 3/4" Elbow



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Product: Push Fit Fittings File No. 4931

XX823	EG823LF	3/4" x $3/4$ " Elbow
XX823	MI823	3/4" x $3/4$ " Elbow
XX823	CP823	3/4" x $3/4$ " Elbow
XX823	642QB3	3/4" x $3/4$ " Elbow
XX823	70051	3/4" x $3/4$ " Elbow
XX833	PB833	1" x 1" Elbow
XX833	LF833	1" x 1" Elbow
XX833	PC833	1" x 1" Elbow
XX833	EG833	1" x 1" Elbow
XX833	EG833LF	1" x 1" Elbow
XX833	MI833	1" x 1" Elbow
XX833	CP833	1" x 1" Elbow
XX833	6420B4	1" x 1" Elbow
XX833	70052	1" x 1" Elbow
XX843	PB843	3/4" x 1/2" Reducing Elbow
XX843	LF843	3/4" x 1/2" Reducing Elbow
XX843	PC843	3/4" x 1/2" Reducing Elbow
XX843	EG843	3/4" x 1/2" Reducing Elbow
XX843	EG843LF	3/4" x 1/2" Reducing Elbow
XX843	MI843	3/4" x 1/2" Reducing Elbow
XX843	CP843	3/4" x 1/2" Reducing Elbow
XX843	6420B32	3/4" x 1/2" Reducing Elbow
XX843	70103	3/4" x 1/2" Reducing Elbow
XX8343	PB8343	1" x 3/4" Reducing Elbow
XX8343	LF8343	1" x 3/4" Reducing Elbow 1" x 3/4" Reducing Elbow
XX8343	PC8343	1" x 3/4" Reducing Elbow 1" x 3/4" Reducing Elbow
XX8343	EG8343	1" x 3/4" Reducing Elbow 1" x 3/4" Reducing Elbow
XX8343	EG8343LF	1" x 3/4" Reducing Elbow 1" x 3/4" Reducing Elbow
XX8343	MI8343	1" x 3/4" Reducing Elbow 1" x 3/4" Reducing Elbow
XX8343		-,
	CP8343	1" x 3/4" Reducing Elbow
XX8343	642QB43	1" x 3/4" Reducing Elbow
XX8343	70104	1" x 3/4" Reducing Elbow
XX853	LF853	1 1/4" x 1 1/4" Elbow
XX853	PC853	1 1/4" x 1 1/4" Elbow
XX853	EG853	1 1/4" x 1 1/4" Elbow
XX853	EG853LF	1 1/4" x 1 1/4" Elbow
XX853	MI853	1 1/4" x 1 1/4" Elbow
XX853	CP853	$1 \frac{1}{4} \times 1 \frac{1}{4} = \text{Elbow}$
XX853	642QB5	$1 \ 1/4$ " x $1 \ 1/4$ " Elbow
XX863	LF863	1 1/2" x $1 1/2$ " Elbow
XX863	PC863	1 1/2" x $1 1/2$ " Elbow
XX863	EG863	1 1/2" x $1 1/2$ " Elbow
XX863	MI863	1 1/2" x 1 1/2" Elbow
XX863	CP863	1 1/2" x 1 1/2" Elbow
XX863	642QB6	1 1/2" x 1 1/2" Elbow
XX873	LF873	2" x 2" Elbow
XX873	PC873	2" x 2" Elbow
XX873	EG873	2" x 2" Elbow



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Product: Push Fit Fittings File No. 4931

XX873	EG873LF	2" x 2" Elbow	
XX873	MI873	2" x 2" Elbow	
XX873	CP873	2" x 2" Elbow	
XX873	642QB7	2" x 2" Elbow	
XX803D	PB803D	3/8" x 3/8" FNPT Drop Ear	
XX803D	LF803D	3/8" x 3/8" FNPT Drop Ear	
XX803D	PC803D	3/8" x 3/8" FNPT Drop Ear	
XX803D	EG803D	3/8" x 3/8" FNPT Drop Ear	
XX803D	EG803DLF	3/8" x 3/8" FNPT Drop Ear	
XX803D	MI803D	3/8" x 3/8" FNPT Drop Ear	
XX803D	CP803D	3/8" x 3/8" FNPT Drop Ear	
XX803D	647QB1E	3/8" x 3/8" FNPT Drop Ear	
XX803D	700WP3	3/8" x 3/8" FNPT Drop Ear	
XX800D	PB800D	$3/8" \times 1/2"$ FNPT Drop Ear	
XX800D	LF800D	$3/8" \times 1/2"$ FNPT Drop Ear	
XX800D	PC800D	$3/8" \times 1/2"$ FNPT Drop Ear	
XX800D	EG800D	$3/8" \times 1/2"$ FNPT Drop Ear	
XX800D	EG800DLF	3/8" x 1/2" FNPT Drop Ear	
XX800D	MI800D	$3/8" \times 1/2"$ FNPT Drop Ear	
XX800D	CP800D	3/8" x 1/2" FNPT Drop Ear	
XX800D	647QB12E	3/8" x 1/2" FNPT Drop Ear	
XX810D	PB810D	1/2" x 1/2" Elbow Drop Ear	
XX810D	LF810D	1/2" x 1/2" Elbow Drop Ear	
XX810D	PC810D	1/2" x 1/2" Elbow Drop Ear	
XX810D	EG810D	1/2" x 1/2" Elbow Drop Ear	
XX810D	EG810DLF	1/2" x 1/2" Elbow Drop Ear	
XX810D	MI810D	1/2" x 1/2" Elbow Drop Ear	
XX810D	CP810D	1/2" x 1/2" Elbow Drop Ear	
XX810D	647QB22E	1/2" x 1/2" Elbow Drop Ear	
XX810D	700WP5	1/2" x 1/2" Elbow Drop Ear	
XX810H	PB810H	1/2" x $1/2$ " FNPT HY- Drop E	ar
XX810H	LF810H	1/2" x $1/2$ " FNPT HY- Drop E	ar
XX810H	PC810H	1/2" x $1/2$ " FNPT HY- Drop E	ar
XX810H	EG810H	1/2" x $1/2$ " FNPT HY- Drop E	ar
XX810H	EG810HLF	1/2" x $1/2$ " FNPT HY- Drop E	ar
XX810H	MI810H	· · · · · · · · · · · · · · · · · · ·	ar
XX810H	CP810H	1/2" x $1/2$ " FNPT HY- Drop E	ar
XX810H	647QB22HE	1/2" x $1/2$ " FNPT HY- Drop E	ar
XX810H	700WP6	1/2" x $1/2$ " FNPT HY- Drop E	ar
XX813D	PB813D	1/2" x 1/2" FNPT Drop Ear	
XX813D	LF813D	1/2" x 1/2" FNPT Drop Ear	
XX813D	PC813D	1/2" x 1/2" FNPT Drop Ear	
XX813D	EG813D	1/2" x 1/2" FNPT Drop Ear	
XX813D	EG813DLF	1/2" x 1/2" FNPT Drop Ear	
XX813D	MI813D	1/2" x 1/2" FNPT Drop Ear	
XX813D	CP813D	1/2" x 1/2" FNPT Drop Ear	
XX813D	647QB2E	1/2" x 1/2" FNPT Drop Ear	
XX813D	700WP1	1/2" x 1/2" FNPT Drop Ear	



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Product: Push Fit Fittings File No. 4931

XX820D	PB820D	3/4"	x	3/4"	FNPT	Drop Ea	ır
XX820D	LF820D	3/4"	х	3/4"	FNPT	Drop Ea	ır
XX820D	PC820D	3/4"	х	3/4"	FNPT	Drop Ea	ır
XX820D	EG820D	3/4"	х	3/4"	FNPT	Drop Ea	ır
XX820D	EG820DLF	3/4"	х	3/4"	FNPT	Drop Ea	ır
XX820D	MI820D	3/4"	х	3/4"	FNPT	Drop Ea	ır
XX820D	CP820D	3/4"	х	3/4"	FNPT	Drop Ea	ır
XX820D	647QB3E	3/4"	х	3/4"	FNPT	Drop Ea	ır
XX820D	700WP2	3/4"	х	3/4"	FNPT	Drop Ea	ır
XX803F	PB803F	3/8"	х	3/8"	FNPT	Elbow	
XX803F	LF803F	3/8"	х	3/8"	FNPT	Elbow	
XX803F	PC803F	3/8"	х	3/8"	FNPT	Elbow	
XX803F	EG803F	3/8"	х	3/8"	FNPT	Elbow	
XX803F	EG803FLF	3/8"	х	3/8"	FNPT	Elbow	
XX803F	MI803F	3/8"	х	3/8"	FNPT	Elbow	
XX803F	CP803F	3/8"	х	3/8"	FNPT	Elbow	
XX803F	632QB111F	3/8"	х	3/8"	FNPT	Elbow	
XX813F	PB813F	1/2"	х	1/2"	FNPT	ProBite	Elbow
XX813F	LF813F	1/2"	х	1/2"	FNPT	ProBite	Elbow
XX813F	PC813F	1/2"	х	1/2"	FNPT	ProBite	Elbow
XX813F	EG813F	1/2"	х	1/2"	FNPT	ProBite	Elbow
XX813F	EG813FLF	1/2"		1/2"		ProBite	
XX813F	MI813F	1/2"		1/2"	FNPT	_	
XX813F	CP813F	1/2"	х	1/2"	FNPT	ProBite	Elbow
XX813F	6320B222F	1/2"	х	1/2"	FNPT	ProBite	Elbow
XX813F	70047	1/2"	х	1/2"	FNPT	ProBite	Elbow
XX823F	PB823F	3/4"	х	3/4"	FNPT	Elbow	
XX823F	LF823F	3/4"	х	3/4"	FNPT	Elbow	
XX823F	PC823F	3/4"	х	3/4"	FNPT	Elbow	
XX823F	EG823F	3/4"	х	3/4"	FNPT	Elbow	
XX823F	EG823FLF	3/4"	х	3/4"	FNPT	Elbow	
XX823F	MI823F	3/4"	х	3/4"	FNPT	Elbow	
XX823F	CP823F	3/4"	х	3/4"	FNPT	Elbow	
XX823F	632QB333F	3/4"	х	3/4"	FNPT	Elbow	
XX823F	70048	3/4"	х	3/4"	FNPT	Elbow	
XX833F	PB833F	1" X	1	" FNP:	r Elbo	ΟW	
XX833F	LF833F	1" X	1	" FNP	r Elbo	ΟW	
XX833F	PC833F	1" X	1			ΟW	
XX833F	EG833F	1" X	1	" FNP:	r Elbo	ΟW	
XX833F	EG833FLF	1" X	1	" FNP:	r Elbo	ΟW	
XX833F	MI833F	1" X	1	" FNP:	r Elbo	ΟW	
XX833F	CP833F	1" X	1	" FNP:	r Elbo	ΟW	
XX833F	632QB444F	1" X	1	" FNP:	r Elbo	ΟW	
XX833F	70108	1" X	1	" FNP:	r Elbo	ΟW	
XX803M	PB803M	3/8"	х	3/8"	MNPT	r Elbow	
XX803M	LF803M	3/8"	х	3/8"	MNPT	r Elbow	
XX803M	PC803M	3/8"	x	3/8"	MNPT	r Elbow	
XX803M	EG803M	3/8"	х	3/8"	MNP	r Elbow	



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Product: Push Fit Fittings File No. 4931

XX803M	EG803MLF	3/8" x 3/8" MNPT Elbow
XX803M	MI803M	3/8" x 3/8" MNPT Elbow
XX803M	CP803M	3/8" x 3/8" MNPT Elbow
XX803M	632QB111M	3/8" x 3/8" MNPT Elbow
XX813M	PB813M	1/2" x 1/2" MNPT Elbow
XX813M	LF813M	1/2" x 1/2" MNPT Elbow
XX813M	PC813M	1/2" x 1/2" MNPT Elbow
XX813M	EG813M	1/2" x 1/2" MNPT Elbow
XX813M	EG813MLF	1/2" x 1/2" MNPT Elbow
XX813M	MI813M	1/2" x 1/2" MNPT Elbow
XX813M	CP813M	1/2" x 1/2" MNPT Elbow
XX813M	632QB222M	1/2" x $1/2$ " MNPT Elbow
XX813M	70039	1/2" x $1/2$ " MNPT Elbow
XX823M	PB823M	3/4" x $3/4$ " MNPT Elbow
XX823M	LF823M	3/4" x $3/4$ " MNPT Elbow
XX823M	PC823M	3/4" x $3/4$ " MNPT Elbow
XX823M	EG823M	3/4" x $3/4$ " MNPT Elbow
XX823M	EG823MLF	3/4" x $3/4$ " MNPT Elbow
XX823M	MI823M	3/4" x $3/4$ " MNPT Elbow
XX823M	CP823M	3/4" x $3/4$ " MNPT Elbow
XX823M	632QB333M	3/4" x $3/4$ " MNPT Elbow
XX823M	70041	3/4" x $3/4$ " MNPT Elbow
XX833M	PB833M	1" x 1" x MNPT Elbow
XX833M	LF833M	1" x 1" x MNPT Elbow
XX833M	PC833M	1" x 1" x MNPT Elbow
XX833M	EG833M	1" x 1" x MNPT Elbow
XX833M	EG833MLF	1" x 1" x MNPT Elbow
XX833M	MI833M	1" x 1" x MNPT Elbow
XX833M	CP833M	1" x 1" x MNPT Elbow
XX833M	632QB444M	1" x 1" x MNPT Elbow
XX833M	70142	1" x 1" x MNPT Elbow
XX804	PB804	3/8" x 3/8" x 3/8" Tee
XX804	LF804	3/8" x 3/8" x 3/8" Tee
XX804	PC804	3/8" x 3/8" x 3/8" Tee
XX804	EG804	3/8" x 3/8" x 3/8" Tee
XX804	EG804LF	3/8" x 3/8" x 3/8" Tee
XX804	MI804	3/8" x 3/8" x 3/8" Tee
XX804	CP804	3/8" x 3/8" x 3/8" Tee
XX804	641QB111	3/8" x 3/8" x 3/8" Tee
XX804	70055	3/8" x 3/8" x 3/8" Tee
XX814	PB814	1/2" x 1/2" x 1/2" Tee
XX814	LF814	1/2" x 1/2" x 1/2" Tee
XX814	PC814	1/2" x 1/2" x 1/2" Tee
XX814	EG814	1/2" x 1/2" x 1/2" Tee
XX814	EG814LF	1/2" x 1/2" x 1/2" Tee
XX814	MI814	1/2" x 1/2" x 1/2" Tee
XX814	CP814	1/2" x 1/2" x 1/2" Tee
XX814	641QB222	1/2" x $1/2$ " x $1/2$ " Tee



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Product: Push Fit Fittings File No. 4931

XX814	70056	1/2" x $1/2$ " x $1/2$ " Tee
XX824	PB824	3/4" x $3/4$ " x $3/4$ " Tee
XX824	LF824	3/4" x $3/4$ " x $3/4$ " Tee
XX824	PC824	3/4" x $3/4$ " x $3/4$ " Tee
XX824	EG824	3/4" x $3/4$ " x $3/4$ " Tee
XX824	EG824LF	3/4" x $3/4$ " x $3/4$ " Tee
XX824	MI824	3/4" x $3/4$ " x $3/4$ " Tee
XX824	CP824	3/4" x $3/4$ " x $3/4$ " Tee
XX824	641QB333	3/4" x $3/4$ " x $3/4$ " Tee
XX824	70057	3/4" x $3/4$ " x $3/4$ " Tee
XX834	PB834	1" x 1" x 1" Tee
XX834	LF834	1" x 1" x 1" Tee
XX834	PC834	1" x 1" x 1" Tee
XX834	EG834	1" x 1" x 1" Tee
XX834	EG834LF	1" x 1" x 1" Tee
XX834	MI834	1" x 1" x 1" Tee
XX834	CP834	1" x 1" x 1" Tee
XX834	641QB444	1" x 1" x 1" Tee
XX834	70058	1" x 1" x 1" Tee
XX854	LF854	$1 \ 1/4$ " x $1 \ 1/4$ " x $1 \ 1/4$ " Tee
XX854	PC854	1 1/4" x 1 1/4" x 1 1/4" Tee
XX854	EG854	1 1/4" x 1 1/4" x 1 1/4" Tee
XX854	EG854LF	1 1/4" x 1 1/4" x 1 1/4" Tee
XX854	MI854	1 1/4" x 1 1/4" x 1 1/4" Tee
XX854	CP854	1 1/4" x 1 1/4" x 1 1/4" Tee
XX854	6410B555	1 1/4" x 1 1/4" x 1 1/4" Tee
XX864	LF864	1 1/2" x 1 1/2" x 1 1/2" Tee
XX864	PC864	1 1/2" x 1 1/2" x 1 1/2" Tee
XX864	EG864	1 1/2" x 1 1/2" x 1 1/2" Tee
XX864	EG864LF	1 1/2" x 1 1/2" x 1 1/2" Tee
XX864	MI864	1 1/2" x 1 1/2" x 1 1/2" Tee
XX864	CP864	1 1/2" x 1 1/2" x 1 1/2" Tee
XX864	641QB666	1 1/2" x 1 1/2" x 1 1/2" Tee
XX874	LF874	2" x 2" x 2" Tee
XX874	PC874	2" x 2" x 2" Tee
XX874	EG874	2" x 2" x 2" Tee
XX874	EG874LF	2" x 2" x 2" Tee
XX874	MI874	2" x 2" x 2" Tee
XX874	CP874	2" x 2" x 2" Tee
XX874	641QB777	2" x 2" x 2" Tee
XX8024	PB8024	$3/8" \times 3/8" \times 1/2"$ Reducing Tee
XX8024	LF8024	3/8" x 3/8" x 1/2" Reducing Tee
XX8024	PC8024	$3/8" \times 3/8" \times 1/2"$ Reducing Tee
XX8024	EG8024	$3/8" \times 3/8" \times 1/2"$ Reducing Tee
XX8024	EG8024LF	3/8" x $3/8$ " x $1/2$ " Reducing Tee
XX8021	MI8024	3/8" x $3/8$ " x $1/2$ " Reducing Tee
XX8021	CP8024	3/8" x $3/8$ " x $1/2$ " Reducing Tee
XX8021	641QB112	$3/8" \times 3/8" \times 1/2"$ Reducing Tee
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XX8014	PB8014	1/2"	х	1/2"	х	3/8"	Reducing	g Tee
XX8014	LF8014	1/2"	х	1/2"	х	3/8"	Reducing	y Tee
XX8014	PC8014	1/2"	х	1/2"	х	3/8"	Reducing	y Tee
XX8014	EG8014	1/2"	х	1/2"	х	3/8"	Reducing	y Tee
XX8014	EG8014LF	1/2"	х	1/2"	х	3/8"	Reducing	y Tee
XX8014	MI8014	1/2"	х	1/2"	х	3/8"	Reducing	y Tee
XX8014	CP8014	1/2"	х	1/2"	х	3/8"	Reducing	y Tee
XX8014	641QB221	1/2"	х	1/2"	х	3/8"	Reducing	y Tee
XX844	PB844	3/4"	х	3/4"	х	1/2"	Reducing	y Tee
XX844	LF844	3/4"	х	3/4"	х	1/2"	Reducing	y Tee
XX844	PC844	3/4"	х	3/4"	х	1/2"	Reducing	y Tee
XX844	EG844	3/4"	х	3/4"	х	1/2"	Reducing	y Tee
XX844	EG844LF	3/4"	х	3/4"	х	1/2"	Reducing	y Tee
XX844	MI844	3/4"	х	3/4"	х	1/2"	Reducing	y Tee
XX844	CP844	3/4"	х	3/4"	х	1/2"	Reducing	y Tee
XX844	641QB332	3/4"	х	3/4"	х	1/2"	Reducing	y Tee
XX844	70062	3/4"	х	3/4"	х	1/2"	Reducing	y Tee
XX815	PB815	3/4"	х	1/2"	х	1/2"	Reducing	y Tee
XX815	LF815	3/4"	х	1/2"	х	1/2"	Reducing	y Tee
XX815	PC815	3/4"	х	1/2"	х	1/2"	Reducing	y Tee
XX815	EG815	3/4"	х	1/2"	х	1/2"	Reducing	
XX815	EG815LF	3/4"	х	1/2"	х	1/2"	Reducing	
XX815	MI815	3/4"	х	1/2"	х	1/2"	Reducing	y Tee
XX815	CP815	3/4"	х	1/2"	х	1/2"	Reducing	y Tee
XX815	641QB322	3/4"	х	1/2"	х	1/2"	Reducing	y Tee
XX815	70071	3/4"	х	1/2"	х	1/2"	Reducing	y Tee
XX825	PB825	3/4"	х	1/2"	х	3/4"	Reducing	y Tee
XX825	LF825	3/4"	Х	1/2"	Х	3/4"	Reducing	g Tee
XX825	PC825	3/4"	х	1/2"	х	3/4"	Reducing	g Tee
XX825	EG825	3/4"	х	1/2"	х	3/4"	Reducing	y Tee
XX825	EG825LF	3/4"	х	1/2"	х	3/4"	Reducing	g Tee
XX825	MI825	3/4"	Х	1/2"	Х	3/4"	Reducing	g Tee
XX825	CP825	3/4"	х	1/2"	х	3/4"	Reducing	g Tee
XX825	641QB323	3/4"	Х	1/2"	Х	3/4"	Reducing	g Tee
XX825	70070	3/4"	Х	1/2"	Х	3/4"	Reducing	g Tee
XX845	PB845	1/2"	Х	1/2"	Х	3/4"	Reducing	g Tee
XX845	LF845	1/2"	Х	1/2"	Х	3/4"	Reducing	g Tee
XX845	PC845	1/2"	х	1/2"		3/4"	Reducing	
XX845	EG845	1/2"	Х	1/2"		3/4"	Reducing	-
XX845	EG845LF	1/2"	Х	1/2"	Х	3/4"	Reducing	g Tee
XX845	MI845	1/2"	Х	1/2"	Х	3/4"	Reducing	g Tee
XX845	CP845	1/2"	Х	1/2"	Х	3/4"	Reducing	g Tee
XX845	641QB223	1/2"	х			3/4"	Reducing	
XX845	70111	1/2"	х			3/4"	Reducing	•
XX8134	PB8134	3/4"	х	3/4"	x		educing 1	
XX8134	LF8134	3/4"	х	3/4"	x		_	Гее
XX8134	PC8134	3/4"	X	3/4"	х		_	Гее
XX8134	EG8134	3/4"	х	3/4"	х	1" Re	educing 1	Гее



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XX8134	EG8134LF	3/4" x $3/4$ " x 1" Reducing Tee
XX8134	MI8134	3/4" x $3/4$ " x 1" Reducing Tee
XX8134	CP8134	3/4" x $3/4$ " x 1" Reducing Tee
XX8134	641QB334	3/4" x $3/4$ " x 1" Reducing Tee
XX8134	70112	3/4" x $3/4$ " x 1" Reducing Tee
XX8314	PB8314	1" x 1" x 1/2" Reducing Tee
XX8314	LF8314	$1" \times 1" \times 1/2"$ Reducing Tee
XX8314	PC8314	$1" \times 1" \times 1/2"$ Reducing Tee
XX8314	EG8314	$1" \times 1" \times 1/2"$ Reducing Tee
XX8314	EG8314LF	1" x 1" x 1/2" Reducing Tee
XX8314	MI8314	$1" \times 1" \times 1/2"$ Reducing Tee
XX8314	CP8314	$1" \times 1" \times 1/2"$ Reducing Tee
XX8314	641QB442	1" x 1" x 1/2" Reducing Tee
XX8314	70113	1" x 1" x 1/2" Reducing Tee
XX8234	PB8234	1/2" x $1/2$ " x 1" Reducing Tee
XX8234	LF8234	1/2" x $1/2$ " x 1" Reducing Tee
XX8234	PC8234	1/2" x $1/2$ " x 1" Reducing Tee
XX8234	EG8234	1/2" x $1/2$ " x 1" Reducing Tee
XX8234	EG8234LF	1/2" x $1/2$ " x 1" Reducing Tee
XX8234	MI8234	1/2" x $1/2$ " x 1" Reducing Tee
XX8234	CP8234	1/2" x $1/2$ " x 1" Reducing Tee
XX8234	641QB224	1/2" x $1/2$ " x 1" Reducing Tee
XX8234	70114	1/2" x $1/2$ " x 1" Reducing Tee
XX835	PB835	1" x 1" x $3/4$ " Reducing Tee
XX835	LF835	1" x 1" x $3/4$ " Reducing Tee
XX835	PC835	1" x 1" x $3/4$ " Reducing Tee
XX835	EG835	1" x 1" x $3/4$ " Reducing Tee
XX835	EG835LF	1" x 1" x $3/4$ " Reducing Tee
XX835	MI835	1" x 1" x $3/4$ " Reducing Tee
XX835	CP835	1" x 1" x 3/4" Reducing Tee
XX835	641QB443	1" x 1" x 3/4" Reducing Tee
XX835	70115	1" x 1" x 3/4" Reducing Tee
XX814M	PB814M	1/2" x 1/2" x 1/2" MNPT Tee
XX814M	LF814M	1/2" x 1/2" x 1/2" MNPT Tee
XX814M	PC814M	1/2" x 1/2" x 1/2" MNPT Tee
XX814M	EG814M	1/2" x 1/2" x 1/2" MNPT Tee
XX814M	EG814MLF	1/2" x 1/2" x 1/2" MNPT Tee
XX814M	MI814M	1/2" x 1/2" x 1/2" MNPT Tee
XX814M	CP814M	1/2" x 1/2" x 1/2" MNPT Tee
XX814M	641QB222M	1/2" x 1/2" x 1/2" MNPT Tee
XX814M	70116	1/2" x 1/2" x 1/2" MNPT Tee
XX824M	PB824M	3/4" x 3/4" x 3/4" MNPT Tee
XX824M	LF824M	3/4" x 3/4" x 3/4" MNPT Tee
XX824M	PC824M	3/4" x 3/4" x 3/4" MNPT Tee
XX824M	EG824M	3/4" x 3/4" x 3/4" MNPT Tee
XX824M	EG824MLF	3/4" x 3/4" x 3/4" MNPT Tee
XX824M	MI824M	3/4" x 3/4" x 3/4" MNPT Tee
XX824M	CP824M	3/4" x $3/4$ " x $3/4$ " MNPT Tee



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XX824M	641QB333M	3/4"		3/4"	MNPT	Tee
XX824M	70076	3/4"	x 3/4" x	3/4"	MNPT	Tee
XX834M	PB834M	1" x	1" x 1"	MNPT	Tee	
XX834M	LF834M	1" x	1" x 1"	MNPT	Tee	
XX834M	PC834M	1" x	1" x 1"	MNPT	Tee	
XX834M	EG834M	1" x	1" x 1"	MNPT	Tee	
XX834M	EG834MLF	1" x	1" x 1"	MNPT	Tee	
XX834M	MI834M	1" x	1" x 1"	MNPT	Tee	
XX834M	CP834M	1" x	1" x 1"	MNPT	Tee	
XX834M	641QB444M	1" x	1" x 1"	MNPT	Tee	
XX834M	70117	1" x	1" x 1"	MNPT	Tee	
XX814F	PB814F	1/2"	x 1/2" x	1/2"	FNPT	Tee
XX814F	LF814F	1/2"	x 1/2" x	1/2"	FNPT	Tee
XX814F	PC814F	1/2"	x 1/2" x	1/2"	FNPT	Tee
XX814F	EG814F	1/2"	x 1/2" x	1/2"	FNPT	Tee
XX814F	EG814FLF	1/2"	x 1/2" x	1/2"	FNPT	Tee
XX814F	MI814F	1/2"	x 1/2" x	1/2"	FNPT	Tee
XX814F	CP814F	1/2"	x 1/2" x	1/2"	FNPT	Tee
XX814F	6410B222F	1/2"	x 1/2" x	1/2"	FNPT	Tee
XX814F	70072	1/2"	x 1/2" x	1/2"	FNPT	Tee
XX824F	PB824F	3/4"	x 3/4" x	3/4"	FNPT	
XX824F	LF824F	3/4"	x 3/4" x		FNPT	Tee
XX824F	PC824F	3/4"	x 3/4" x	3/4"	FNPT	Tee
XX824F	EG824F	3/4"	x 3/4" x	3/4"	FNPT	Tee
XX824F	EG824FLF	3/4"	x 3/4" x	3/4"	FNPT	Tee
XX824F	MI824F	3/4"	x 3/4" x	3/4"	FNPT	Tee
XX824F	CP824F	3/4"	x 3/4" x	3/4"	FNPT	Tee
XX824F	641QB333F	3/4"	x 3/4" x	3/4"	FNPT	Tee
XX824F	70074	3/4"	x 3/4" x	3/4"	FNPT	Tee
XX834F	PB834F	1" x	1" x 1"	FNPT		100
XX834F	LF834F	1" x	1" x 1"	FNPT		
XX834F	PC834F	1" x	1" x 1"	FNPT		
XX834F	EG834F	1" x	1" x 1"	FNPT		
XX834F	EG834FLF	1" x	1" x 1"	FNPT		
XX834F	MI834F	1" x	1" x 1"	FNPT		
XX834F	CP834F	1" x	1" x 1"	FNPT		
XX834F	641QB444F	1" x	1" x 1"	FNPT	Tee	
XX834F	70118	1" x		FNPT		
					ree	
XX806	PB806	3/8"	End Sto	•		
XX806	LF806	3/8"	End Sto			
XX806	PC806	3/8"	End Sto			
XX806	EG806	3/8"	End Sto			
XX806	EG806LF	3/8"	End Sto			
XX806	MI806	3/8"	End Sto			
XX806	CP806	3/8"	End Sto			
XX806	605QB1	3/8"	End Sto			
XX816	PB816	1/2"	End Sto			
XX816	LF816	1/2"	End Sto			



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XX816	PC816	1/2" End Stop
XX816	EG816	1/2" End Stop
XX816	EG816LF	1/2" End Stop
XX816	MI816	1/2" End Stop
XX816	CP816	1/2" End Stop
XX816	605QB2	1/2" End Stop
XX816	70077	1/2" End Stop
XX826	PB826	3/4" End Stop
XX826	LF826	3/4" End Stop
XX826	PC826	3/4" End Stop
XX826	EG826	3/4" End Stop
XX826	EG826LF	3/4" End Stop
XX826	MI826	3/4" End Stop
XX826	CP826	3/4" End Stop
XX826	6050B3	3/4" End Stop
XX826	70078	3/4" End Stop
XX836	PB836	1" End Stop
XX836	LF836	1" End Stop
XX836	PC836	1" End Stop
XX836	EG836	1" End Stop
XX836	EG836LF	1" End Stop
XX836	MI836	1" End Stop
XX836	CP836	1" End Stop
XX836	605QB4	1" End Stop
XX836	70085	1" End Stop
XX856	LF856	1 1/4" End Stop
XX856	PC856	1 1/4" End Stop
XX856	EG856	1 1/4" End Stop
XX856	EG856LF	1 1/4" End Stop
XX856	MI856	1 1/4" End Stop
XX856	CP856	1 1/4" End Stop
XX856	605QB5	1 1/4" End Stop
XX866	LF866	1 1/2" End Stop
XX866	PC866	1 1/2" End Stop
XX866	EG866	1 1/2" End Stop
XX866	EG866LF	1 1/2" End Stop
XX866	MI866	1 1/2" End Stop
XX866	CP866	1 1/2" End Stop
XX866	605QB6	1 1/2" End Stop
XX876	LF876	2" End Stop
XX876	PC876	2" End Stop
XX876	EG876	2" End Stop
XX87	6EG876LF	2" End Stop
XX876	MI876	2" End Stop
XX876	CP876	2" End Stop
XX876	6050B7	2" End Stop 2" End Stop
XX917	PB917	-
XX917 XX917		1/2" Check Valve 1/2" Check Valve
ΔΑΣΙ /	LF917	1/2 CHECK VAIVE



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XX917	PC917	1/2" Check Valve
XX917	EG917	1/2" Check Valve
XX917	EG917LF	1/2" Check Valve
XX917	MI917	1/2" Check Valve
XX917	CP917	1/2" Check Valve
XX927	PB927	3/4" Check Valve
XX927	LF927	3/4" Check Valve
XX927	PC927	3/4" Check Valve
XX927	EG927	3/4" Check Valve
XX927	EG927LF	3/4" Check Valve
XX927	MI927	3/4" Check Valve
XX927	CP927	3/4" Check Valve
XX937	PB937	1" Check Valve
XX937	LF937	1" Check Valve
XX937	PC937	1" Check Valve
XX937	EG937	1" Check Valve
XX937	EG937LF	1" Check Valve
XX937	MI937	1" Check Valve
XX937	CP937	1" Check Valve
XX8138	PB8138	1" CTS x $1/2$ " Push Red.
XX8138	LF8138	1" CTS x $1/2$ " Push Red.
XX8138	PC8138	1" CTS x $1/2$ " Push Red.
XX8138	EG8138	1" CTS x $1/2$ " Push Red.
XX8138	EG8138LF	1" CTS x $1/2$ " Push Red.
XX8138	MI8138	1" CTS x $1/2$ " Push Red.
XX8138	CP8138	1" CTS x $1/2$ " Push Red.
XX8238	PB8238	1" CTS x $3/4$ " Push Red.
XX8238	LF8238	1" CTS x 3/4" Push Red.
XX8238	PC8238	1" CTS x 3/4" Push Red.
XX8238	EG8238	1" CTS x 3/4" Push Red.
XX8238	EG8238LF	1" CTS x 3/4" Push Red.
XX8238	MI8238	1" CTS x $3/4$ " Push Red.
XX8238	CP8238	1" CTS x 3/4" Push Red.
XX8338	PB8338	1/2" CTS x 3/8" Push Red.
XX8338	LF8338	1/2" CTS x $3/8$ " Push Red.
XX8338	PC8338	1/2" CTS x $3/8$ " Push Red.
XX8338	EG8338	1/2" CTS x $3/8$ " Push Red.
XX8338	EG8338LF	1/2" CTS x $3/8$ " Push Red.
XX8338	MI8338	1/2" CTS x $3/8$ " Push Red.
XX8338	CP8338	1/2" CTS x 3/8" Push Red.
XX8348	PB8348	3/4" CTS x $3/8$ " Push Red.
XX8348	LF8348	3/4" CTS x $3/8$ " Push Red.
XX8348	PC8348	3/4" CTS x $3/8$ " Push Red.
XX8348	EG8348	3/4" CTS x $3/8$ " Push Red.
XX8348	EG8348LF	3/4" CTS x $3/8$ " Push Red.
XX8348	MI8348	3/4" CTS x $3/8$ " Push Red.
XX8348	CP8348	3/4" CTS x $3/8$ " Push Red.
XX8228	PB8228	3/4" CTS x $3/4$ " FNPT Adapter
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XX8228	LF8228	3/4"	CTS x 3/4" FNPT Adapter
XX8228	PC8228	3/4"	CTS x $3/4"$ FNPT Adapter
XX8228	EG8228	3/4"	CTS x $3/4"$ FNPT Adapter
XX8228	EG8228LF	3/4"	<u> </u>
XX8228	MI8228	3/4"	CTS x $3/4"$ FNPT Adapter
XX8228	CP8228	3/4"	
XX91BT	PB91BT	1/2"	1 3
XX91BT	LF91BT	1/2"	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
XX91BT	PC91BT	1/2"	Stand off - Temperature Gauge
XX91BT	EG91BT	1/2"	1 3
XX91BT	EG91BTLF	1/2"	Stand off - Temperature Gauge
XX91BT	MI91BT	1/2"	Stand off - Temperature Gauge
XX91BT	CP91BT	1/2"	Stand off - Temperature Gauge
XX92BT	PB92BT	3/4"	Stand off - Temperature Gauge
XX92BT	LF92BT	3/4"	Stand off - Temperature Gauge
XX92BT	PC92BT	3/4"	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
XX92BT	EG92BT	3/4"	Stand off - Temperature Gauge
XX92BT	EG92BTLF	3/4"	Stand off - Temperature Gauge
XX92BT	MI92BT	3/4"	Stand off - Temperature Gauge
XX92BT	CP92BT	3/4"	Stand off - Temperature Gauge
XX91PT	PB91PT	1/2"	Stand off - Pressure Gauge
XX91PT	LF91PT	1/2"	Stand off - Pressure Gauge
XX91PT	PC91PT	1/2"	Stand off - Pressure Gauge
XX91PT	EG91PT	1/2"	Stand off - Pressure Gauge
XX91PT	EG91PTLF	1/2"	Stand off - Pressure Gauge
XX91PT	MI91PT	1/2"	Stand off - Pressure Gauge
XX91PT	CP91PT	1/2"	Stand off - Pressure Gauge
XX92PT	PB92PT	3/4"	Stand off - Pressure Gauge
XX92PT	LF92PT	3/4"	Stand off - Pressure Gauge
XX92PT	PC92PT	3/4"	Stand off - Pressure Gauge
XX92PT	EG92PT	3/4"	Stand off - Pressure Gauge
XX92PT	EG92PTLF	3/4"	Stand off - Pressure Gauge
XX92PT	MI92PT	3/4"	Stand off - Pressure Gauge
XX92PT	CP92PT	3/4"	Stand off - Pressure Gauge
N/A	PB702	3/8"	Stiffener
N/A	PC702	3/8"	Stiffener
N/A	EG702	3/8"	Stiffener
N/A	MI702	3/8"	Stiffener
N/A	CP702	3/8"	Stiffener
N/A	603Q1	3/8"	Stiffener
N/A	PB712	1/2"	Stiffener
N/A	PC712	1/2"	Stiffener
N/A	EG712	1/2"	Stiffener
N/A	MI712	1/2"	Stiffener
N/A	CP712	1/2"	Stiffener
N/A	603Q2	1/2"	Stiffener
N/A	PB722	3/4"	Stiffener
N/A	PC722	3/4"	Stiffener



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N/A	EG722	3/4" Stiffener
N/A	MI722	3/4" Stiffener
N/A	CP722	3/4" Stiffener
N/A	603Q3	3/4" Stiffener
N/A	PB732	1" Stiffener
N/A	PC732	1" Stiffener
N/A	EG732	1" Stiffener
N/A	MI732	1" Stiffener
N/A	CP732	1" Stiffener
N/A	603Q4	1" Stiffener
N/A	PB7382	1-1/4" Stiffener
N/A	PC7382	1-1/4" Stiffener
N/A	EG7382	1-1/4" Stiffener
N/A	MI7382	1-1/4" Stiffener
N/A	CP7382	1-1/4" Stiffener
N/A	603Q5	1-1/4" Stiffener
N/A	PB7312	1-1/2" Stiffener
N/A	PC7312	1-1/2" Stiffener
N/A	EG7312	1-1/2" Stiffener
N/A	MI7312	1-1/2" Stiffener
N/A	CP7312	1-1/2" Stiffener
N/A	603Q6	1-1/2" Stiffener
N/A	PB7332	2" Stiffener
N/A	PC7332	2" Stiffener
N/A	EG7332	2" Stiffener
N/A	MI7332	2" Stiffener
N/A	CP7332	2" Stiffener
N/A	603Q7	2" Stiffener
	~	
XX-HF811	CP-HF811	1/2" x 1/2" Straight Coupling
XX-HF811	CH-HF811	1/2" x 1/2" Straight Coupling
XX-HF811	650-003	1/2" x 1/2" Straight Coupling
XX-HF811	MI-HF811	1/2" x 1/2" Straight Coupling
XX-HF811	HP-HF811	1/2" x 1/2" Straight Coupling
XX-HF821	CP-HF821	3/4" x 3/4" Straight Coupling
XX-HF821	CH-HF821	3/4" x 3/4" Straight Coupling
XX-HF821	650-004	3/4" x 3/4" Straight Coupling
XX-HF821	MI-HF821	3/4" x 3/4" Straight Coupling
XX-HF821	HP-HF825	3/4" x 3/4" Straight Coupling
XX-HF813	CP-HF813	1/2" X 1/2" Elbow
XX-HF813	CH-HF813	1/2" X 1/2" Elbow
XX-HF813	651-003	1/2" X 1/2" Elbow
XX-HF813	MI-HF813	1/2" X 1/2" Elbow
XX-HF813	HP-HF813	1/2" X 1/2" Elbow
XX-HF823	CP-HF823	3/4" X 3/4" Elbow
XX-HF823	H-HF823	3/4" X 3/4" Elbow
XX-HF823	651-004	3/4" X 3/4" Elbow
XX-HF823	MI-HF823	3/4" X 3/4" Elbow



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XX-HF823
             HP-HF825
                          3/4" X 3/4" Elbow
                          1/2" X 1/2" X 1/2" Tee
XX-HF814
            CP-HF814
                          1/2" X 1/2" X 1/2" Tee
XX-HF814
            CH-HF814
XX-HF814
           652-003
                          1/2" X 1/2" X 1/2" Tee
                         1/2" X 1/2" X 1/2" Tee
XX-HF814
           MI-HF814
                         1/2" X 1/2" X 1/2" Tee
XX-HF814
           HP-HF814
XX-HF824
           CP-HF824
                         3/4" X 3/4" X 3/4" Tee
XX-HF824
           CH-HF824
                          3/4" X 3/4" X 3/4" Tee
                         3/4" X 3/4" X 3/4" Tee
           652-004
XX-HF824
           MI-HF824
                         3/4" X 3/4" X 3/4" Tee
XX-HF824
            HP-HF824
CP-HF812F
CH-HF812F
XX-HF824
           HP-HF824
                         3/4" X 3/4" X 3/4" Tee
           CP-HF812F
XX-HF812F
                         1/2'' X 1/2" FNPT Female Adapter
XX-HF812F
                         1/2'' X 1/2" FNPT Female Adapter
                         1/2'' X 1/2" FNPT Female Adapter
XX-HF812F
             650-203
XX-HF812F
            MI-HF812F
                         1/2'' X 1/2" FNPT Female Adapter
            HP-HF812F 1/2'' X 1/2" FNPT Female Adapter CP-HF822F 3/4'' X 3/4" FNPT Female Adapter
XX-HF812F
XX-HF822F
                       3/4'' X 3/4" FNPT Female Adapter
          CH-HF822F
XX-HF822F
           650-204
                        3/4'' X 3/4" FNPT Female Adapter
XX-HF822F
XX-HF822F MI-HF822F 3/4'' X 3/4" FNPT Female Adapter
XX-HF822F HP-HF822F 3/4'' X 3/4" FNPT Female Adapter
XX-HF812M CP-HF812M 1/2" X 1/2" MNPT Male Adapter
XX-HF812M CH-HF812M 1/2" X 1/2" MNPT Male Adapter
XX-HF812M
           650-103
                         1/2" X 1/2" MNPT Male Adapter
XX-HF812M MI-HF812M
                         1/2" X 1/2" MNPT Male Adapter
XX-HF812M HP-HF812M
                         1/2" X 1/2" MNPT Male Adapter
XX-HF812M
            CP-HF822M
                          3/4" X 3/4" MNPT Male Adapter
XX-HF812M
            CH-HF822M
                          3/4" X 3/4" MNPT Male Adapter
XX-HF812M
             650-104
                          3/4" X 3/4" MNPT Male Adapter
                          3/4" X 3/4" MNPT Male Adapter
XX-HF812M
            MI-HF822M
           HP-HF822M
                          3/4" X 3/4" MNPT Male Adapter
XX-HF812M
                         1/2" End Stop
XX-HF816
            CP-HF816
                         1/2" End Stop
XX-HF816
           CH-HF816
                         1/2" End Stop
XX-HF816
           653-003
                         1/2" End Stop
XX-HF816
           MI-HF816
           HP-HF816
                         1/2" End Stop
XX-HF816
XX-HF826
           CP-HF826
                          3/4" End Stop
         CH-HF826
                          3/4" End Stop
XX-HF826
           653-004
                          3/4" End Stop
XX-HF826
           MI-HF826
XX-HF826
                          3/4" End Stop
           HP-HF826
                          3/4" End Stop
XX-HF826
XX-HF817
            CP-HF817
                          1/2" X 1/2" Repair Coupling
XX-HF817
            CH-HF817
                          1/2" X 1/2" Repair Coupling
                          1/2" X 1/2" Repair Coupling
XX-HF817
             650-303
            MI-HF817
                          1/2" X 1/2" Repair Coupling
XX-HF817
                         1/2" X 1/2" Repair Coupling
            HP-HF817
XX-HF817
                         3/4" X 3/4" Repair Coupling
            CP-HF827
XX-HF827
                         3/4" X 3/4" Repair Coupling
XX-HF827
            CH-HF827
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XX-HF827	650-304	3/4" X 3/4" Repair Coupling
XX-HF827	MI-HF827	3/4" X 3/4" Repair Coupling
XX-HF827	HP-HF827	3/4" X 3/4" Repair Coupling
XX-HF712	CP-HF712	1/2" Stiffener
XX-HF712	CH-HF712	1/2" Stiffener
XX-HF712	636-103	1/2" Stiffener
XX-HF712	MI-HF712	1/2" Stiffener
XX-HF712	HP-HF712	1/2" Stiffener
XX-HF722	CP-HF722	3/4" Stiffener
XX-HF722	CH-HF722	3/4" Stiffener
XX-HF722	636-104	3/4" Stiffener
XX-HF722	MI-HF722	3/4" Stiffener
XX-HF722	HP-HF722	3/4" Stiffener