

Manufacturer of wide range of Fittings and Valves For Instrumentation, Hydraulic & Precise Industrial Applications





MET **LOK** INDUSTRIES

The secret of our success is our engineering expertise, product accuracy, consistency, timely delivery and prompt communications



ABOUT US

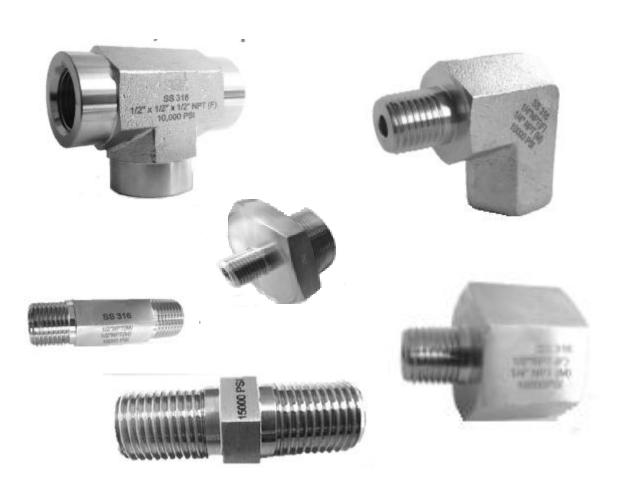
METALOK INDUSTRIES is fast growing manufacturing company of repute having more than 3 decades and expertise in of experience manufacturing and marketing high quality Fittings and Valves suitable for Instrumentation, Hydraulic and Precise Industrial applications, for Industries like Automobile. Chemical, Petrochemical, Oil & Gas, Nuclear, **Power** Plant, Pharmaceutical, Marine, Packaging, Printing and Aerospace Industries.

COMPANY STRENGTH

We have our head office located in Mumbai and two manufacturing plants at Dahisar Mumbai, Maharashtra which spreads over 5000 total sq. ft. area. Both the plants are well-equipped with state-of-the-art infrastructure and world-class facilities combined with a dedicated team of more than 40 employees. It helps us to exceed quality norms as well as gain momentum every passing day.



METALOK HIGH PRESSURE PIPE FITTINGS, 10000 PSI and above



Dimensions are for reference only and subject to change without notice.

Warning for Your Safety



HIGH PRESSURE FITTINGS



PRINCIPLE

METALOK 10 K pressure series consists of complete line of Precision Instrument threaded pipe fittings. This range has been designed and manufactured for typical application in chemical and petrochemical plants, as well as oil, gas and power generation industries. This fully illustrated catalogue contains detailed engineering information, dimensional data and the part numbering system.

NOMENCLATURE

METALOK fitting part numbers are constructed from symbols that identify the size and style of the fitting and the material used.

ABBREVIATION

P = Female Thread Type F = Hex Across Flat P1 = Male Thread Type IN = Imperial (Inch)

MATERIAL

SS = 316 M = Monel SSL = 316L H = Hastelloy S = 304

THREAD

All fittings supplied under this specification shall be in accordance with ANSI/ASME
B1.20.1 NPT (National Pipe Taper) and ASME
B1.12003 UNF as per SAE J475 (ISO R725)

PIPE THREAD	SYMBOL			
Norm.	Symbol	NPT Thread	BSP Thread	UNF/ISO Thread
Pipe Size		(ANSI-B1.20.1)	(ISO 228/1)	SAE J475 (ISO R725)
1/8"	2	2N	2G	2U
1/4"	4	4N	4G	4U
3/8"	6	6N	6G	6U
1/2"	8	8N	8G	8U
3/4"	12	12N	12G	12U
1"	16	16N	16G	16U

APPLICATION

METALOK fitting has been specifically designed for use on instrumentation, process and control systems, together with equipment employed in chemical, chromatography, petroleum, power generation and pulp & paper plants.

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Warning for Your Safety



DESIGN/ FEATURES

Sizes range from 1 /8" to 1".

Fittings are properly packaged with the exposed threads pressures calculated in accordance with Power Piping Code Protected to ensure they are not damaged during delivery. Working NSI B 31.1, Refiner Piping Code ASME/ANSIB 31.3 section VIII of ASME Boiler & Pressure Vessel Code.

- 1. Precision pipe fittings for instrumentation and process control.
- 2. Fine threads constructed to ensure leak-free & reliable systems
- 3. Male threads are protected with plastic cap,
- 4. Many choice of connections and configurations are available.
- 5. Safely factor is 1:4

INSTALLATION INSTRUCTIONS

To ensure a leak-tight seal, FAV recommends the use of a pipe thread sealant on all NPT threads. The most effective sealing method is teflon tape. Tape should be used only on male tapered pipe threads. Do not use tape on flared, coned or tube fitting ends! Clean both male and female tapered threads. Wrap tape in the direction of the male tapered thread spiral.

Note: Two wraps are suggested for stainless steel tapered pipe threads. Make sure tape does not overhang the first thread, as the tape might shred and enter the fluid system. Cut off excess tape. The connection is now ready for proper makeup.

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Warning for Your Safety





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Warning for Your Safety





CROSS/10K FEMALE - FEMALE

7

Dimensions are for reference only and subject to change without notice.

7

TEE/10K FEMALE

Warning for Your Safety

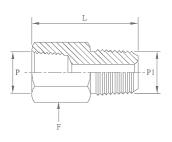


ADAPTOR/10K MALE - FEMALE



	PART No.	Р	P1	F	
		NPTF	NPTM	HEX	_
	MIHPF/10K/A/2-2I	1/8"	1/8"	3/4"	1.11"
	MIHPF/10K/A/4-4I	1/4"	1/4"	7/8"	1.51"
	MIHPF/10K/A/6-6I	3/8"	3/8"	1-1/8"	1.57"
	MIHPF/10K/A/8-8I	1/2"	1/2"	1-3/8"	2.07"
	MIHPF/10K/A/12-121I	3/4"	3/4"	1-3/4"	2.26"
	MIHPF/10K/A/16-16I	1"	1"	2-1/4"	2.69"

REDUCING ADAPTOR/10K Male-Female



PART No.	Р	P1	F	L
PART NO.	NPTF	NPTM	HEX	L
MIHPF/10K/RA/2-4I	1/8"	1/4"	3/4"	1.29"
MIHPF/10K/RA/2-6I	1/8"	3/8"	3/4"	1.29"
MIHPF/10K/RA/2-8I	1/8"	1/2"	7/8"	1.42"
MIHPF/10K/RA/4-2I	1/4"	1/8"	7/8"	1.33"
MIHPF/10K/RA/4-6I	1/4"	3/8"	7/8"	1.51"
MIHPF/10K/RA/4-8I	1/4"	1/2"	7/8"	1.70"
MIHPF/10K/RA/4-12I	1/4"	3/4"	1-1/8"	1.70"
MIHPF/10K/RA/4-16I	1/4"	1"	1-3/8"	1.89"
MIHPF/10K/RA/6-2I	3/8"	1/8"	1-1/8"	1.39"
MIHPF/10K/RA/6-4I	3/8"	1/4"	1-1/8"	1.57"
MIHPF/10K/RA/6-8I	3/8"	1/2"	1-1/8"	1.76"
MIHPF/10K/RA/6-12I	3/8"	3/4"	1-1/8"	1.76"
MIHPF/10K/RA/6-16I	3/8"	1"	1-3/8"	1.95"
MIHPF/10K/RA/8-2I	1/2"	1/8"	1-3/8"	1.70"
MIHPF/10K/RA/8-4I	1/2"	1/4"	1-3/8"	1.88"
MIHPF/10K/RA/8-6I	1/2"	3/8"	1-3/8"	1.88"
MIHPF/10K/RA/8-12I	1/2"	3/4"	1-3/8"	2.07"
MIHPF/10K/RA/8-16I	1/2"	1"	1-3/8"	2.26"
MIHPF/10K/RA/12-4I	3/4"	1/4"	1-3/4"	2.06"
MIHPF/10K/RA/12-6I	3/4"	3/8"	1-3/4"	2.06"
MIHPF/10K/RA/12-8I	3/4"	1/2"	1-3/4"	2.25"
MIHPF/10K/RA/12-16I	3/4"	1"	1-3/4"	2.44"
MIHPF/10K/RA/16-4I	1"	1/4"	2-1/4"	2.31"
MIHPF/10K/RA/16-6I	1"	3/8"	2-1/4"	2.31"
MIHPF/10K/RA/16-8I	1"	1/2"	2-1/4"	2.50"
MIHPF/10K/RA/16-12I	1"	3/4"	2-1/4"	2.50"

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Warning for Your Safety

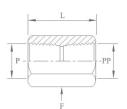


HEX COUPLING/10K Female

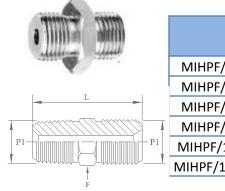
PART No.	P NPTF		F HEX	L
MIHPF/10K/HC/2-2I	1/8"	1/8"	3/4"	0.88"
MIHPF/10K/HC/4-4I	1/4"	1/4"	7/8"	1.13"
MIHPF/10K/HC/6-6I	3/8"	3/8"	1-1/8"	1.13"
MIHPF/10K/HC/8-8I	1/2"	1/2"	1-3/8"	1.50"
MIHPF/10K/HC/12-12I	3/4"	3/4"	1-3/4"	1.53"
MIHPF/10K/HC/16-16I	1"	1"	2-1/4"	1.89"

HEX REDUCING COUPLING/10K Female

DART No.	Р	PP	F	
PART No.	NPTF	NPTF	HEX	L
MIHPF/10K/HRC/4-2I	1/4"	1/8"	7/8"	0.95"
MIHPF/10K/HRC/6-2I	3/8"	1/8"	1-1/8"	0.95"
MIHPF/10K/HRC/6-4I	3/8"	1/4"	1-1/8"	1.13"
MIHPF/10K/HRC/8-2I	1/2"	1/8"	1-3/8"	1.19"
MIHPF/10K/HRC/8-4I	1/2"	1/4"	1-3/8"	1.37"
MIHPF/10K/HRC/8-6I	1/2"	3/8"	1-3/8"	1.37"
MIHPF/10K/HRC/12-4I	3/4"	1/4"	1-3/4"	1.40"
MIHPF/10K/HRC/12-6I	3/4"	3/8"	1-3/4"	1.40"
MIHPF/10K/HRC/12-8I	3/4"	1/2"	1-3/4"	1.53"
MIHPF/10K/HRC/16-4I	1"	1/4"	2-1/4"	1.63"
MIHPF/10K/HRC/16-6I	1"	3/8"	2-1/4"	1.63"
MIHPF/10K/HRC/16-8I	1"	1/2"	2-1/4"	1.63"
MIHPF/10K/HRC/16-12I	1"	3/4"	2-1/4"	1.63"



HEX NIPPLES/10K BSPP-BSPP



DART No.	P1	P2	F	
PART No.	MALE 60 Con	MALE 60 Con	HEX	L
MIHPF/10K/HRN-GG/4-2I	1/4"	1/8"	3/4"	1.18"
MIHPF/10K/HRN-GG/6-4I	3/8"	1/4"	7/8"	1.38"
MIHPF/10K/HRN-GG/8-4I	1/2"	1/4"	1-1/8"	1.62"
MIHPF/10K/HRN-GG/8-6I	1/2"	3/8"	1-1/8"	1.62"
MIHPF/10K/HRN-GG/12-8I	3/4"	1/2"	1-1/4"	1.90"
MIHPF/10K/HRN-GG/16-12I	1"	3/4"	1-5/8"	2.21"

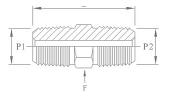
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Warning for Your Safety



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HEX NIPPLES/10K NPT-NPT

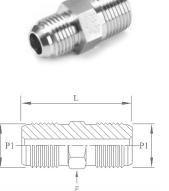
PART No.	P:	1	F	
PAKT NO.	NPTM	NPTM	HEX	L
MIHPF/10K/HN-NN/2-2I	1/8"	1/8"	7/16"	1.06"
MIHPF/10K/HN-NN/4-4I	1/4"	1/4"	5/8"	1.45"
MIHPF/10K/HN-NN/6-6I	3/8"	3/8"	3/4"	1.45"
MIHPF/10K/HN-NN/8-8I	1/2"	1/2"	7/8"	1.89"
MIHPF/10K/HN-NN/12-12I	3/4"	3/4"	1-1/8"	1.89"
MIHPF/10K/HN-NN/16-6I	1"	1"	1-3/8"	2.44"

HEX REDUCING NIPPLES/10K NPT-NPT

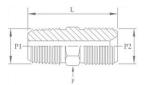
	P1	P2	F	
PART No.	NPTM	NPTM	HEX	L
MIHPF/10K/HRN-NN/4-2I	1/4"	1/8"	5/8"	1.27"
MIHPF/10K/HRN-NN/6-2I	3/8"	1/8"	3/4"	1.27"
MIHPF/10K/HRN-NN/6-4I	3/8"	1/4"	3/4"	1.45"
MIHPF/10K/HRN-NN/8-2I	1/2"	1/8"	7/8"	1.52"
MIHPF/10K/HRN-NN/8-4I	1/2"	1/4"	7/8"	1.70"
MIHPF/10K/HRN-NN/8-6I	1/2"	3/8"	7/8"	1.70"
MIHPF/10K/HRN-NN/12-4I	3/4"	1/4"	1-1/8"	1.69"
MIHPF/10K/HRN-NN/12-6I	3/4"	3/8"	1-1/8"	1.69"
MIHPF/10K/HRN-NN/12-8I	3/4"	1/2"	1-1/8"	1.89"
MIHPF/10K/HRN-NN/16-4I	1"	1/4"	1-3/8"	2.00"
MIHPF/10K/HRN-NN/16-8I	1"	3/8"	1-3/8"	2.00"
MIHPF/10K/HRN-NN/16-12I	1"	1/2"	1-3/8"	2.00"
MIHPF/10K/HRN-NN/16-16I	1"	3/4"	1-3/8"	2.00"

P1 P2

HEX NIPPLES/10K JIC-JIC



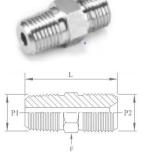
DART No.	Р	F		
PART No.	JIC 37° MALE	JIC 37° MALE	HEX	L
MIHPF/10K/HN-J J/4-41	7/16"-20TP	7/16"-20TP	9/16"	1.37"
MIHPF/10K/HN-J J/5-51	1/2"-20TP	1/2"-20TP	5/8"	1.37"
MIHPF/10K/HN-J J/6-61	9/16"-18TP	9/16"-18TP	3/4"	1.42"
MIHPF/10K/HN-J J/8-81	3/4"-16TP	3/4"-16TP	7/8"	1.62"
MIHPF/10K/HN-JJ/10-10I	7/8"-14TP	7/8"-14TP	15/16"	1.89"
MIHPF/10K/HN-J J/12-12I	1-1/16"-12TP	1-1/16"-12TP	1-1/8"	2.16"
MIHPF/10K/HN-JJ/16-16I	1-5/16"-12TP	1-5/16"-12TP	1-1/2"	2.25"



HEX NIPPLES/10K BSPP-NPT

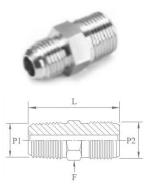
PART No.	P1		F	,
PART NO.	BSPP 60 Con	NPTM	HEX	L
MIHPF/10K/HN-GN/2-2I	1/8"	1/8"	9/16"	1.06"
MIHPF/10K/HN-GN/4-4I	1/4"	1/4"	3/4"	1.43"
MIHPF/10K/HN-GN/6-6I	3/8"	3/8"	7/8"	1.43"
MIHPF/10K/HN-GN/8-8I	1/2"	1/2"	1-1/8"	1.81"
MIHPF/10K/HN-GN/12-12I	3/4"	3/4"	1-3/8"	1.90"
MIHPF/10K/HN-GN/16-16I	1"	1"	1-5/8"	2.44"

HEX REDUCING Nipples/10K BSPP-NTP



DART No	P1	P2	F	
PART No.	BSPP 60 Con	NPTM	HEX	_
MIPF/10K/HRN-GN/2-4I	1/8"	1/4"	5/8"	1.27"
MIPF/10K/HRN-GN/4-2I	1/4"	1/8"	3/4"	1.27"
MIPF/10K/HRN-GN/4-6I	1/4"	3/8"	3/4"	1.43"
MIPF/10K/HRN-GN/6-4I	3/8"	1/4"	7/8"	1.43"
MIPF/10K/HRN-GN/6-8I	3/8"	1/2"	7/8"	1.65"
MIPF/10K/HRN-GN/8-6I	1/2"	3/8"	1-1/8"	1.65"
MIPF/10K/HRN-GN/8-12I	1/2"	3/4"	1-1/8"	1.90"
MIPF/10K/HRN-GN/12-8I	3/4"	1/2"	1-3/8"	1.90"
MIPF/10K/HRN-GN/12-16I	3/4"	1"	1-3/8"	2.20"
MIPF/10K/HRN-GN/16-12I	1"	3/4"	1-5/8"	2.20"

HEX NIPPLES/10K NPT-JIC



DADT N	P1	P2	F	
PART No.	NPTM	JIC 37-MALE	HEX	L
MIHPF/10K/HN-N J/2-4I	1/8"	7/16"-20TP	9/16"	1.22"
MIHPF/10K/HN-N J/4-4I	1/4"	7/16"-20TP	5/8"	1.42"
MIHPF/10K/HN-NJ/4-5I	1/4"	1/2"-20TP	5/8"	1.42"
MIHPF/10K/HN-NJ/4-6I	1/4"	9/16"-18TP	5/8"	1.42"
MIHPF/10K/HN-NJ/6-4I	3/8"	7/16"-20TP	3/4"	1.45"
MIHPF/10K/HN-NJ/6-6I	3/8"	9/16"-18TP	3/4"	1.42"
MIHPF/10K/HN-NJ/6-8I	3/8"	3/4"-16TP	7/8"	1.53"
MIHPF/10K/HN-NJ/8-6	1/2"	9/16"-18TP	7/8"	1.69"
MIHPF/10K/HN-NJ/8-8I	1/2"	3/4"-16TP	7/8"	1.81"
MIHPF/10K/HN-N J/8-10I	1/2"	7/8"-14TP	15/16"	1.89"
MIHPF/10K/HN-N J/8-12I	1/2"	1-1/16"-12TP	1-1/8"	2.05"
MIHPF/10K/HN-N J/12-8I	3/4"	3/4"-16TP	1-1/8"	1.85"
MIHPF/10K/HN-NJ/12-10I	3/4"	7/8"-14TP	1-1/8"	1.96"
MIHPF/10K/HN-NJ/12-12I	3/4"	1-1/16"-12TP	1-1/8"	2.06"
MIHPF/10K/HN-NJ/12-16I	3/4"	1-5/16"-12TP	1-1/2"	2.13"
MIHPF/10K/HN-NJ/16-12I	1"	1-1/16"-12TP	1-1/2"	2.25"
MIHPF/10K/HN-NJ/16-16I	1"	1-5/16"-12TP	1-1/2"	2.30"

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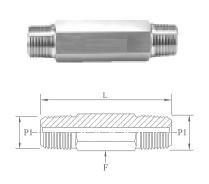
Warning for Your Safety





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HEX NIPPLES/10K-LONG



PART No.	P1		F		
	NPTM	LONG	HEX	L	
MIHPF/10K/HNL/2-3I	1/8"	3"	7/16"	3.00"	
MIHPF/10K/HNLV4-3I	1/4"	3"	5/8"	3.00"	
MIHPF/10K/HNL74-4I	1/4"	4"	5/8"	4.00"	
MIHPF/10K/HNLV4-6I	1/4"	6"	5/8"	6.00"	
MIHPF/10K/HNL/6-3I	3/8"	3"	3/4"	3.00"	
MIHPF/10K/HNL/6-4I	3/8"	4"	3/4"	4.00"	
MIHPF/10K/HNL6-6I	3/8"	6"	3/4"	6.00"	
MIHPF/10K/HNL/8-3I	1/2"	3"	7/8"	3.00"	
MIHPF/10K/HNL/8-4I	1/2"	4"	7/8"	4.00"	
MIHPF/10K/HNL/8-6I	1/2"	6"	7/8"	6.00"	

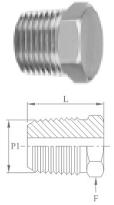


L P

PIPE CAP/10K NPT

DADT No	Р	F	
PART No.	NPTF	HEX	L
MIHPF/10K/PC/2I	1/8"	3/4"	0.85"
MIHPF/10K/PC/4I	1/4"	7/8"	0.94"
MIHPF/10K/PC/6I	3/8"	1-1/8"	1.04"
MIHPF/10K/PC/8I	1/2"	1-3/8"	1.38"
MIHPF/10K/PC/12I	3/4"	1-3/4"	1.50"
MIHPF/10K/PC/16I	1"	2-1/4"	1.85"

HEX PLUG/10K NPT

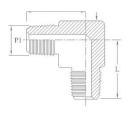


DART No.	P1	F	
PART No.	NPTM	HEX	L
MIHPF/10K/HP/2I	1/8"	7/16"	0.56"
MIHPF/10K/HP/4I	1/4"	5/8"	0.84"
MIHPF/10K/HP/6I	3/8"	3/4"	0.84"
MIHPF/10K/HP/8I	1/2"	7/8"	1.09"
MIHPF/10K/HP/12I	3/4"	1-1/8"	1.17"
MIHPF/10K/HP/16I	1"	1-3/8"	1.36"

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Warning for Your Safety

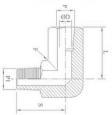




ELBOW/10K MALE-MALE

PART No.	P1 NPTM		L	С
MIHPF/10K/ME/2I	1/8"	0.69"	0.69"	0.63"
MIHPF/10K/ME/4I	1/4"	0.94"	0.94"	0.75"
MIPF/10K/ME/6I	3/8"	0.97"	0.97"	0.87"
MIHPF/10K/ME/8I	1/2"	1.31"	1.31"	1.00"



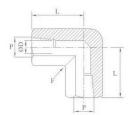


ELBOW/10K MALE - FEMALE

PART No.	P/P1 NPT-MF	L	S	С
MIHPF/10K/MFE/2I	1/8"	0.82"	0.76"	0.75"
MIHPF/10K/MFE/4I	1/4"	1.06"	1.00"	1.00"
MIHPF/10K/MFE/6I	3/8"	1.20"	1.06"	1.25"
MIHPF/10K/MFE/8I	1/2"	1.59"	1.25"	1.50"

ELBOW/10K FEMALE - FEMALE



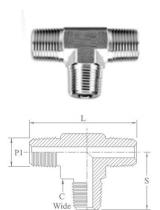


PART No.	P NPTF	L		С
MIHPF/10K/FE/2I	1/8"	1.12"	1.12"	0.75"
MIHPF/10K/FE/4I	1/4"	1.50"	1.50"	1.00"
MIHPF/10K/FE/6I	3/8"	1.85"	1.85"	1.25"
MIHPF/10K/FE/8I	1/2"	2.25"	2.25"	1.50"

Dimensions are for reference only and subject to change without notice.

Warning for Your Safety

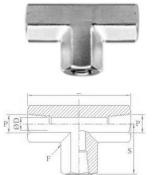




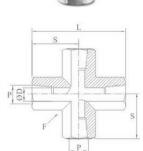
TEE/10K MALE

PART No.	P1 NPTM	L	S	С
MIHPF/10K/MT/2I	1/8"	1.38"	0.69"	0.63"
MIHPF/10K/MT/4I	1/4"	1.88"	0.94"	0.75"
MIHPF/10K/MT/6I	3/8"	1.94"	0.97"	0.87"
MIHPF/10K/MT/8I	1/2"	2.62"	1.31"	1.00"

TEE/10K FEMALE



PART No.	P NPTF	L	S	С
MIHPF/10K/FT/2I	1/8"	1.50"	1.12"	0.75"
MIHPF/10K/FT/4I	1/4"	2.00"	1.50"	1.00"
MIHPF/10K/FT/6I	3/8"	2.25"	1.95"	1.25"
MIHPF/10K/FT/8I	1/2"	2.50"	2.00"	1.50"



CROSS/10K FEMALE - FEMALE

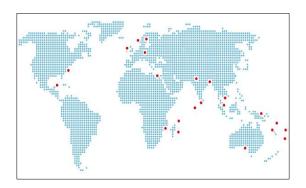
PART No.	P NPTF	L	
MIHPF/10K/FC/2I	1/8"	1.50"	1.50"
MIHPF/10K/FC/4I	1/4"	2.00"	2.00"
MIHPF/10K/FC/6I	3/8"	2.25"	2.25"
MIHPF/10K/FC/8I	1/2"	2.50"	2.50"

Dimensions are for reference only and subject to change without notice.

Warning for Your Safety



Our Total customer satisfaction results in A True Partnership.





CUSTOMER BASE

More than three decades of experience, expertise and dedication ensures world class quality and excellent performance of METALOK products resulted in establishing worldwide customer base.

GRATITUDE

We at METALOK always appreciated and thankful to all our Valued Customers for undaunted support and faith reposed on us which motivates us to perform better all the time

EDGE

Our in-house Design, manufacturing and Testing facilities only emphasizes that METALOK Fitting and Valves are one of the Best, versatile, safe, compatible, easy for installation and operation in Instrumentation, Hydraulic and Industrial applications.

OUR GOAL

Our company's vision is to understand our customers requirements and meet them fully to their entire satisfaction by way of high quality, timely delivery, competitive price and prompt service.









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