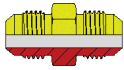
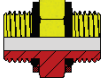






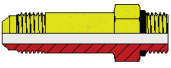

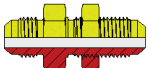
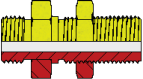


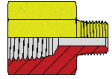
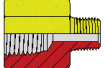
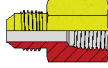
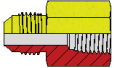






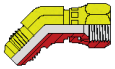


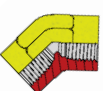
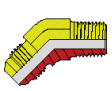
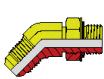

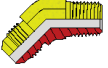





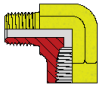


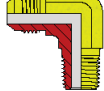

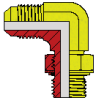
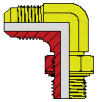
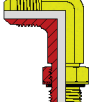
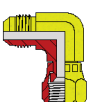
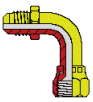
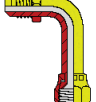
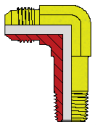
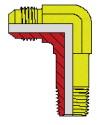
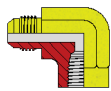
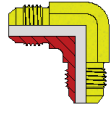
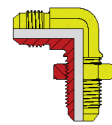
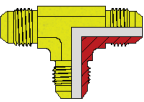
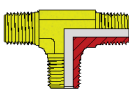
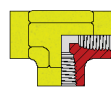
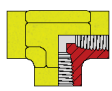
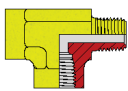
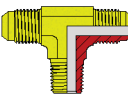
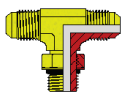
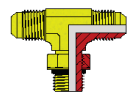
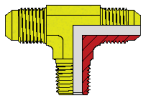
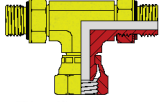
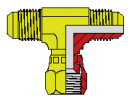
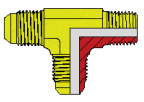



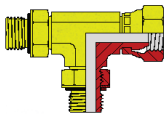
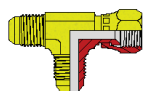
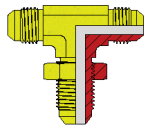

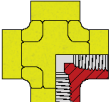



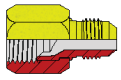



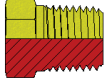

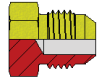







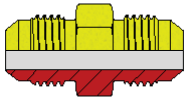


Hydraulics • Pneumatics • Service • Repair

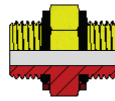
NIPPLES	HTX  JIC (M) / JIC (M)	HMK4  BSPP (M) / BSPP(M)	FF33  BSPT (M) / BSPT(M)	FF  NPT (M) / NPT(M)	F3MK4  BSPP (M) / BSPT(M)
F3M  JIC (M) / BSPT (M)	F40M  JIC (M) / BSPP (M)	F50  JIC (M) / UNO (M)	FF50  JIC (M) / UNO (M)	FTX  JIC (M) / NPT (M)	WTX  JIC (M) / JIC (M)
WLO  ORFS (M) / ORFS (M)	SOCKETS	GG33  BSPT (F) / BSPT(F)	GG  NPT (F) / NPT(F)	FIXED ADAPTORS	FG33  BSPT (F) / BSPT(M)
FG33  NPT (F) / NPT(M)	G3M  JIC (M) / BSPT (F)	GTX  JIC (M) / NPT (F)	SWIVEL ADAPTORS	F6MK4  BSPP (F) / BSPP(M)	F63MK4  BSPT (M) / BSPP(F)
F63M  JIC (F) / BSPT (M)	F640M  JIC (F) / BSPP (M)	F650  JIC (F) / UN-O (M)	F6X  JIC (F) / NPT (M)	45 DEGREE ELBOWS	V6X  JIC (M) / JIC (F)
CR45  BSPT (M) / BSPT(M)	CD45  NPT (M) / NPT(F)	DD45  NPT (F) / NPT(F)	V3M  JIC (M) / BSPT (M)	V40M  JIC (M) / BSPP (M)	V50  JIC (M) / UN-O (M)
VTX  JIC (M) / NPT (M)	90 DEGREE ELBOWS	C63M  JIC (F) / BSPT (M)	CTX  JIC(M) / NPT (M)	CR33  BSPT (M) / BSPP(M)	CR  NPT (M) / NPT(M)
CD33  BSPT (M) / BSPT(F)	CD  NPT (M) / NPT(F)	DD33  BSPT (F) / BSPT(F)	DD  NPT (F) / NPT(F)	C3M  JIC (M) / BSPT (M)	CC3M  JIC(M) / BSPT (M)
C40M  JIC(M) / BSPP (M)	C50  JIC(M) / UN-O (M)	CC50  JIC(M) / UN-O (M)	C6X  JIC (M) / JIC (F)	C93  JIC(M) / JIC (F)	C94  JIC(M) / JIC (F)

CCTX  JIC (M) / NPT (M)	CCCTX  JIC (M) / NPT (M)	DTX  JIC (M) / NPT (F)	ETX  JIC (M) / JIC (M)	WETX  JIC (M) / JIC (M)	TEES
JTX  JIC (M) (M) (M)	RRS33  BSPT (M) (M) (M)	MMO33  BSPT (F) (F) (F)	MMO33  NPT (F) (F) (F)	MRO  NPT (F) (M) (F)	S3M  JIC (M) / BSPT (M)
S40M  JIC (M) / BSPP (M)	S50  JIC (M) / UN-O (M)	STX  JIC (M) / NPT (M)	S6MK4  BSPP (M) (M) (F)	S6X  JIC (M) (M) (F)	R3M  JIC (M) / BSPT (M)
R40M  JIC (M) / BSPP (M)	R50  JIC (M) / UN-O (M)	RTX  JIC (M) / NPT (M)	R6MK4  BSPP (M) (F) (M)	R6X  JIC (M) (F) (M)	WJTX  JIC (M) (M) (M)
CROSSES	KTX  JIC (M) (M) (M) (M)	KMM33  BSPT (F) (F) (F) (F)	KMM  NPT (F) (F) (F) (F)	REDUCERS	PTR33  BSPT (F) / BSPT (M)
PTR  NPT (F) / NPT (M)	TRTXN  JIC (F) / JIC (M)	PLUGS	P50N  UN-O (M)	HP50N  UN-O (M)	PNMK4  BSPP (M)
HPM  BSPT (M)	HP  NPT (M)	PNTX  JIC (M)	PNLO  ORFS (M)	CAPS	FNMK4  BSPP (F)
FNTX  JIC (F)	FNL  ORFS (F)	NUTS & SLEEVES	WLN  JIC	TX 	BTX  JIC (F)



**JIC x JIC
Nipple**

PART NUMBER	THREAD	THREAD
HTX-0404	7/16 JIC(M)	7/16 JIC(M)
HTX-0504	1/2 JIC(M)	7/16 JIC(M)
HTX-0505	1/2 JIC(M)	1/2 JIC(M)
HTX-0604	9/16 JIC(M)	7/16 JIC(M)
HTX-0605	9/16 JIC(M)	1/2 JIC(M)
HTX-0606	9/16 JIC(M)	9/16 JIC(M)
HTX-0806	3/4 JIC(M)	9/16 JIC(M)
HTX-0808	3/4 JIC(M)	3/4 JIC(M)
HTX-1008	7/8 JIC(M)	3/4 JIC(M)
HTX-1010	7/8 JIC(M)	7/8 JIC(M)
HTX-1206	1-1/16 JIC(M)	9/16 JIC(M)
HTX-1208	1-1/16 JIC(M)	3/4 JIC(M)
HTX-1210	1-1/16 JIC(M)	7/8 JIC(M)
HTX-1212	1-1/16 JIC(M)	1-1/16 JIC(M)
HTX-1608	1-5/16 JIC(M)	3/4 JIC(M)
HTX-1610	1-5/16 JIC(M)	7/8 JIC(M)
HTX-1612	1-5/16 JIC(M)	1-1/16 JIC(M)
HTX-1616	1-5/16 JIC(M)	1-5/16 JIC(M)
HTX-2016	1-5/8 JIC(M)	1-5/16 JIC(M)
HTX-2020	1-5/8 JIC(M)	1-5/8 JIC(M)
HTX-2424	1-7/8 JIC(M)	1-7/8 JIC(M)
HTX-3232	2-1/2 JIC(M)	2-1/2 JIC(M)



**BSPP x BSPP
Nipple**

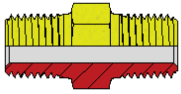
PART NUMBER	THREAD	THREAD
HMK4-0404	1/4 BSPP(M)	1/4 BSPP(M)
HMK4-0604	3/8 BSPP(M)	1/4 BSPP(M)
HMK4-0606	3/8 BSPP(M)	3/8 BSPP(M)
HMK4-0804	1/2 BSPP(M)	1/4 BSPP(M)
HMK4-0806	1/2 BSPP(M)	3/8 BSPP(M)
HMK4-0808	1/2 BSPP(M)	1/2 BSPP(M)
HMK4-1206	3/4 BSPP(M)	3/8 BSPP(M)
HMK4-1208	3/4 BSPP(M)	1/2 BSPP(M)
HMK4-1212	3/4 BSPP(M)	3/4 BSPP(M)
HMK4-1608	1 BSPP(M)	1/2 BSPP(M)
HMK4-1612	1 BSPP(M)	3/4 BSPP(M)
HMK4-1616	1 BSPP(M)	1 BSPP(M)
HMK4-2016	1-1/4 BSPP(M)	1 BSPP(M)
HMK4-2020	1-1/4 BSPP(M)	1-1/4 BSPP(M)
HMK4-2416	1-1/2 BSPP(M)	1 BSPP(M)
HMK4-2420	1-1/2 BSPP(M)	1-1/4 BSPP(M)
HMK4-2424	1-1/2 BSPP(M)	1-1/2 BSPP(M)
HMK4-3224	2 BSPP(M)	1-1/2 BSPP(M)
HMK4-3232	2 BSPP(M)	2 BSPP(M)



**NPT x NPT
Nipple**

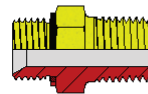


PART NUMBER	THREAD	THREAD
FF-0202	1/8 NPT(M)	1/8 NPT(M)
FF-0402	1/4 NPT(M)	1/8 NPT(M)
FF-0404	1/4 NPT(M)	1/4 NPT(M)
FF-0602	3/8 NPT(M)	1/8 NPT(M)
FF-0604	3/8 NPT(M)	1/4 NPT(M)
FF-0606	3/8 NPT(M)	3/8 NPT(M)
FF-0804	1/2 NPT(M)	1/4 NPT(M)
FF-0806	1/2 NPT(M)	3/8 NPT(M)
FF-0808	1/2 NPT(M)	1/2 NPT(M)
FF-1208	3/4 NPT(M)	1/2 NPT(M)
FF-1212	3/4 NPT(M)	3/4 NPT(M)
FF-1612	1 NPT(M)	3/4 NPT(M)
FF-1616	1 NPT(M)	1 NPT(M)
FF-2016	1-1/4 NPT(M)	1 NPT(M)
FF-2020	1-1/4 NPT(M)	1-1/4 NPT(M)
FF-2424	1-1/2 NPT(M)	1-1/2 NPT(M)
FF-3232	2 NPT(M)	2 NPT(M)



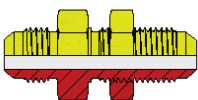
BSPT x BSPT Nipple

PART NUMBER	THREAD	THREAD
FF33-0202	1/8 BSPT(M)	1/8 BSPT(M)
FF33-0402	1/4 BSPT(M)	1/8 BSPT(M)
FF33-0404	1/4 BSPT(M)	1/4 BSPT(M)
FF33-0604	3/8 BSPT(M)	1/4 BSPT(M)
FF33-0606	3/8 BSPT(M)	3/8 BSPT(M)
FF33-0804	1/2 BSPT(M)	1/4 BSPT(M)
FF33-0806	1/2 BSPT(M)	3/8 BSPT(M)
FF33-0808	1/2 BSPT(M)	1/2 BSPT(M)
FF33-1204	3/4 BSPT(M)	1/4 BSPT(M)
FF33-1206	3/4 BSPT(M)	3/8 BSPT(M)
FF33-1208	3/4 BSPT(M)	1/2 BSPT(M)
FF33-1212	3/4 BSPT(M)	3/4 BSPT(M)
FF33-1606	1 BSPT(M)	3/8 BSPT(M)
FF33-1608	1 BSPT(M)	1/2 BSPT(M)
FF33-1612	1 BSPT(M)	3/4 BSPT(M)
FF33-1616	1 BSPT(M)	1 BSPT(M)
FF33-2016	1-1/4 BSPT(M)	1 BSPT(M)
FF33-2020	1-1/4 BSPT(M)	1-1/4 BSPT(M)
FF33-2416	1-1/2 BSPT(M)	1 BSPT(M)
FF33-2420	1-1/2 BSPT(M)	1-1/4 BSPT(M)
FF33-2424	1-1/2 BSPT(M)	1-1/2 BSPT(M)
FF33-3224	2 BSPT(M)	1-1/2 BSPT(M)
FF33-3232	2 BSPT(M)	2 BSPT(M)



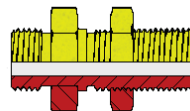
BSPP x BSPT Nipple

PART NUMBER	THREAD	THREAD
F3MK4-0202	1/8 BSPP(M)	1/8 BSPT(M)
F3MK4-0204	1/8 BSPP(M)	1/4 BSPT(M)
F3MK4-0402	1/4 BSPP(M)	1/8 BSPT(M)
F3MK4-0404	1/4 BSPP(M)	1/4 BSPT(M)
F3MK4-0406	1/4 BSPP(M)	3/8 BSPT(M)
F3MK4-0408	1/4 BSPP(M)	1/2 BSPT(M)
F3MK4-0604	3/8 BSPP(M)	1/4 BSPT(M)
F3MK4-0606	3/8 BSPP(M)	3/8 BSPT(M)
F3MK4-0608	3/8 BSPP(M)	1/2 BSPT(M)
F3MK4-0612	3/8 BSPP(M)	3/4 BSPT(M)
F3MK4-0804	1/2 BSPP(M)	1/4 BSPT(M)
F3MK4-0806	1/2 BSPP(M)	3/8 BSPT(M)
F3MK4-0808	1/2 BSPP(M)	1/2 BSPT(M)
F3MK4-0812	1/2 BSPP(M)	3/4 BSPT(M)
F3MK4-1206	3/4 BSPP(M)	3/8 BSPT(M)
F3MK4-1208	3/4 BSPP(M)	1/2 BSPT(M)
F3MK4-1212	3/4 BSPP(M)	3/4 BSPT(M)
F3MK4-1216	3/4 BSPP(M)	1 BSPT(M)
F3MK4-1612	1 BSPP(M)	3/4 BSPT(M)
F3MK4-1616	1 BSPP(M)	1 BSPT(M)
F3MK4-1620	1 BSPP(M)	1-1/4 BSPT(M)
F3MK4-2016	1-1/4 BSPP(M)	1 BSPT(M)
F3MK4-2020	1-1/4 BSPP(M)	1-1/4 BSPT(M)
F3MK4-2024	1-1/4 BSPP(M)	1-1/2 BSPT(M)
F3MK4-2420	1-1/2 BSPP(M)	1-1/4 BSPT(M)
F3MK4-2424	1-1/2 BSPP(M)	1-1/2 BSPT(M)
F3MK4-3232	2 BSPP(M)	2 BSPT(M)



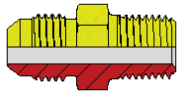
JIC x JIC Bulkhead

PART NUMBER	THREAD	THREAD
WTX-0404		7/16 JIC(M)
WTX-0606		9/16 JIC(M)
WTX-0808		3/4 JIC(M)
WTX-1010		7/8 JIC(M)
WTX-1212		1-1/16 JIC(M)
WTX-1616		1-5/16 JIC(M)
WTX-2020		1-5/8 JIC(M)
WTX-2424		1-7/8 JIC(M)
WTX-3232		2-1/2 JIC(M)



ORFS x ORFS Bulkhead

PART NUMBER	THREAD	THREAD
WLO-0404		9/16 ORFS(M)
WLO-0606		11/16 ORFS(M)
WLO-0808		13/16 ORFS(M)
WLO-1010		1 ORFS(M)
WLO-1212		1-3/16 ORFS(M)
WLO-1616		1-7/16 ORFS(M)
WLO-2020		1-11/16 ORFS(M)



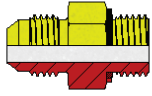
**JIC x BSPT
Nipple**



**JIC x BSPP
Nipple**

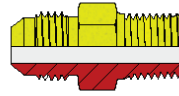
PART NUMBER	THREAD	THREAD
F3M-0402	7/16 JIC(M)	1/8 BSPT(M)
F3M-0404	7/16 JIC(M)	1/4 BSPT(M)
F3M-0406	7/16 JIC(M)	3/8 BSPT(M)
F3M-0408	7/16 JIC(M)	1/2 BSPT(M)
F3M-0502	1/2 JIC(M)	1/8 BSPT(M)
F3M-0504	1/2 JIC(M)	1/4 BSPT(M)
F3M-0506	1/2 JIC(M)	3/8 BSPT(M)
F3M-0508	1/2 JIC(M)	1/2 BSPT(M)
F3M-0602	9/16 JIC(M)	1/8 BSPT(M)
F3M-0604	9/16 JIC(M)	1/4 BSPT(M)
F3M-0606	9/16 JIC(M)	3/8 BSPT(M)
F3M-0608	9/16 JIC(M)	1/2 BSPT(M)
F3M-0612	9/16 JIC(M)	3/4 BSPT(M)
F3M-0804	3/4 JIC(M)	1/4 BSPT(M)
F3M-0806	3/4 JIC(M)	3/8 BSPT(M)
F3M-0808	3/4 JIC(M)	1/2 BSPT(M)
F3M-0812	3/4 JIC(M)	3/4 BSPT(M)
F3M-0816	3/4 JIC(M)	1 BSPT(M)
F3M-1006	7/8 JIC(M)	3/8 BSPT(M)
F3M-1008	7/8 JIC(M)	1/2 BSPT(M)
F3M-1012	7/8 JIC(M)	3/4 BSPT(M)
F3M-1016	7/8 JIC(M)	1 BSPT(M)
F3M-1206	1-1/16 JIC(M)	3/8 BSPT(M)
F3M-1208	1-1/16 JIC(M)	1/2 BSPT(M)
F3M-1212	1-1/16 JIC(M)	3/4 BSPT(M)
F3M-1216	1-1/16 JIC(M)	1 BSPT(M)
F3M-1220	1-1/16 JIC(M)	1-1/4 BSPT(M)
F3M-1416	1-3/16 JIC(M)	1 BSPT(M)
F3M-1612	1-5/16 JIC(M)	3/4 BSPT(M)
F3M-1616	1-5/16 JIC(M)	1 BSPT(M)
F3M-1620	1-5/16 JIC(M)	1-1/4 BSPT(M)
F3M-1624	1-5/16 JIC(M)	1-1/2 BSPT(M)
F3M-2016	1-5/8 JIC(M)	1 BSPT(M)
F3M-2020	1-5/8 JIC(M)	1-1/4 BSPT(M)
F3M-2024	1-5/8 JIC(M)	1-1/2 BSPT(M)
F3M-2420	1-7/8 JIC(M)	1-1/4 BSPT(M)
F3M-2424	1-7/8 JIC(M)	1-1/2 BSPT(M)
F3M-2432	1-7/8 JIC(M)	2 BSPT(M)
F3M-3232	2-1/2 JIC(M)	2 BSPT(M)

PART NUMBER	THREAD	THREAD
F40M-0402	7/16 JIC(M)	1/8 BSPP(M)
F40M-0404	7/16 JIC(M)	1/4 BSPP(M)
F40M-0406	7/16 JIC(M)	3/8 BSPP(M)
F40M-0408	7/16 JIC(M)	1/2 BSPP(M)
F40M-0502	1/2 JIC(M)	1/8 BSPP(M)
F40M-0504	1/2 JIC(M)	1/4 BSPP(M)
F40M-0506	1/2 JIC(M)	3/8 BSPP(M)
F40M-0602	9/16 JIC(M)	1/8 BSPP(M)
F40M-0604	9/16 JIC(M)	1/4 BSPP(M)
F40M-0606	9/16 JIC(M)	3/8 BSPP(M)
F40M-0608	9/16 JIC(M)	1/2 BSPP(M)
F40M-0612	9/16 JIC(M)	3/4 BSPP(M)
F40M-0804	3/4 JIC(M)	1/4 BSPP(M)
F40M-0806	3/4 JIC(M)	3/8 BSPP(M)
F40M-0808	3/4 JIC(M)	1/2 BSPP(M)
F40M-0812	3/4 JIC(M)	3/4 BSPP(M)
F40M-0816	3/4 JIC(M)	1 BSPP(M)
F40M-1006	7/8 JIC(M)	3/8 BSPP(M)
F40M-1008	7/8 JIC(M)	1/2 BSPP(M)
F40M-1012	7/8 JIC(M)	3/4 BSPP(M)
F40M-1016	7/8 JIC(M)	1 BSPP(M)
F40M-1206	1-1/16 JIC(M)	3/8 BSPP(M)
F40M-1208	1-1/16 JIC(M)	1/2 BSPP(M)
F40M-1212	1-1/16 JIC(M)	3/4 BSPP(M)
F40M-1216	1-1/16 JIC(M)	1 BSPP(M)
F40M-1220	1-1/16 JIC(M)	1-1/4 BSPP(M)
F40M-1612	1-5/16 JIC(M)	3/4 BSPP(M)
F40M-1616	1-5/16 JIC(M)	1 BSPP(M)
F40M-1620	1-5/16 JIC(M)	1-1/4 BSPP(M)
F40M-1624	1-5/16 JIC(M)	1-1/2 BSPP(M)
F40M-2016	1-5/8 JIC(M)	1 BSPP(M)
F40M-2020	1-5/8 JIC(M)	1-1/4 BSPP(M)
F40M-2024	1-5/8 JIC(M)	1-1/2 BSPP(M)
F40M-2420	1-7/8 JIC(M)	1-1/4 BSPP(M)
F40M-2424	1-7/8 JIC(M)	1-1/2 BSPP(M)



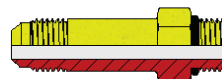
**JIC x UNO
Nipple**

PART NUMBER	THREAD	THREAD
F50-0202	5/16 JIC(M)	5/16 UN-O(M)
F50-0303	3/8 JIC(M)	3/8 UN-O(M)
F50-0404	7/16 JIC(M)	7/16 UN-O(M)
F50-0405	7/16 JIC(M)	1/2 UN-O(M)
F50-0406	7/16 JIC(M)	9/16 UN-O(M)
F50-0408	7/16 JIC(M)	3/4 UN-O(M)
F50-0505	1/2 JIC(M)	1/2 UN-O(M)
F50-0506	1/2 JIC(M)	9/16 UN-O(M)
F50-0508	1/2 JIC(M)	3/4 UN-O(M)
F50-0604	9/16 JIC(M)	7/16 UN-O(M)
F50-0605	9/16 JIC(M)	1/2 UN-O(M)
F50-0606	9/16 JIC(M)	9/16 UN-O(M)
F50-0608	9/16 JIC(M)	3/4 UN-O(M)
F50-0610	9/16 JIC(M)	7/8 UN-O(M)
F50-0612	9/16 JIC(M)	1-1/16 UN-O(M)
F50-0616	9/16 JIC(M)	1-5/16 UN-O(M)
F50-0620	9/16 JIC(M)	1-5/8 UN-O(M)
F50-0804	3/4 JIC(M)	7/16 UN-O(M)
F50-0806	3/4 JIC(M)	9/16 UN-O(M)
F50-0808	3/4 JIC(M)	3/4 UN-O(M)
F50-0810	3/4 JIC(M)	7/8 UN-O(M)
F50-0812	3/4 JIC(M)	1-1/16 UN-O(M)
F50-0816	3/4 JIC(M)	1-5/16 UN-O(M)
F50-0820	3/4 JIC(M)	1-5/8 UN-O(M)
F50-1006	7/8 JIC(M)	9/16 UN-O(M)
F50-1008	7/8 JIC(M)	3/4 UN-O(M)
F50-1010	7/8 JIC(M)	7/8 UN-O(M)
F50-1012	7/8 JIC(M)	1-1/16 UN-O(M)
F50-1016	7/8 JIC(M)	1-5/16 UN-O(M)
F50-1208	1-1/16 JIC(M)	3/4 UN-O(M)
F50-1210	1-1/16 JIC(M)	7/8 UN-O(M)
F50-1212	1-1/16 JIC(M)	1-1/16 UN-O(M)
F50-1214	1-1/16 JIC(M)	1-3/16 UN-O(M)
F50-1216	1-1/16 JIC(M)	1-5/16 UN-O(M)
F50-1220	1-1/16 JIC(M)	1-5/8 UN-O(M)
F50-1414	1-3/16 JIC(M)	1-3/8 UN-O(M)
F50-1610	1-5/16 JIC(M)	7/8 UN-O(M)
F50-1612	1-5/16 JIC(M)	1-1/16 UN-O(M)
F50-1616	1-5/16 JIC(M)	1-5/16 UN-O(M)
F50-1620	1-5/16 JIC(M)	1-5/8 UN-O(M)
F50-2016	1-5/8 JIC(M)	1-5/16 UN-O(M)
F50-2020	1-5/8 JIC(M)	1-5/8 UN-O(M)
F50-2024	1-5/8 JIC(M)	1-7/8 UN-O(M)
F50-2420	1-7/8 JIC(M)	1-5/8 UN-O(M)
F50-2424	1-7/8 JIC(M)	1-7/8 UN-O(M)
F50-3232	2-1/2 JIC(M)	2-1/2 UN-O(M)



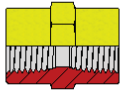
**JIC x NPT
Nipple**

PART NUMBER	THREAD	THREAD
FTX-0202	5/16 JIC(M)	1/8 NPT(M)
FTX-0302	3/8 JIC(M)	1/8 NPT(M)
FTX-0402	7/16 JIC(M)	1/8 NPT(M)
FTX-0404	7/16 JIC(M)	1/4 NPT(M)
FTX-0406	7/16 JIC(M)	3/8 NPT(M)
FTX-0408	7/16 JIC(M)	1/2 NPT(M)
FTX-0502	1/2 JIC(M)	1/8 NPT(M)
FTX-0504	1/2 JIC(M)	1/4 NPT(M)
FTX-0506	1/2 JIC(M)	3/8 NPT(M)
FTX-0602	9/16 JIC(M)	1/8 NPT(M)
FTX-0604	9/16 JIC(M)	1/4 NPT(M)
FTX-0606	9/16 JIC(M)	3/8 NPT(M)
FTX-0608	9/16 JIC(M)	1/2 NPT(M)
FTX-0804	3/4 JIC(M)	1/4 NPT(M)
FTX-0806	3/4 JIC(M)	3/8 NPT(M)
FTX-0808	3/4 JIC(M)	1/2 NPT(M)
FTX-0812	3/4 JIC(M)	3/4 NPT(M)
FTX-1006	7/8 JIC(M)	3/8 NPT(M)
FTX-1008	7/8 JIC(M)	1/2 NPT(M)
FTX-1012	7/8 JIC(M)	3/4 NPT(M)
FTX-1206	1-1/16 JIC(M)	3/8 NPT(M)
FTX-1208	1-1/16 JIC(M)	1/2 NPT(M)
FTX-1212	1-1/16 JIC(M)	3/4 NPT(M)
FTX-1216	1-1/16 JIC(M)	1 NPT(M)
FTX-1612	1-5/16 JIC(M)	3/4 NPT(M)
FTX-1616	1-5/16 JIC(M)	1 NPT(M)
FTX-1620	1-5/16 JIC(M)	1-1/4 NPT(M)
FTX-1624	1-5/16 JIC(M)	1-1/2 NPT(M)
FTX-2016	1-5/8 JIC(M)	1 NPT(M)
FTX-2020	1-5/8 JIC(M)	1-1/4 NPT(M)
FTX-2024	1-5/8 JIC(M)	1-1/2 NPT(M)
FTX-2420	1-7/8 JIC(M)	1-1/4 NPT(M)
FTX-2424	1-7/8 JIC(M)	1-1/2 NPT(M)
FTX-3232	2-1/2 JIC(M)	2 NPT(M)



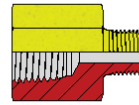
**JIC x UNO
Extended Nipple**

PART NUMBER	THREAD	THREAD
FF50-0404	7/16 JIC(M)	7/16 UN-O(M)
FF50-0606	9/16 JIC(M)	9/16 UN-O(M)
FF50-0808	3/4 JIC(M)	3/4 UN-O(M)
FF50-1010	7/8 JIC(M)	7/8 UN-O(M)
FF50-1212	1-1/16 JIC(M)	1-1/16 UN-O(M)
FF50-1616	1-5/16 JIC(M)	1-5/16 UN-O(M)
FF50-2020	1-5/8 JIC(M)	1-5/8 UN-O(M)



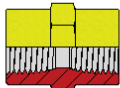
BSPT x BSPT Socket

PART NUMBER	THREAD	THREAD
GG33-0202	1/8 BSPT(F)	1/8 BSPP(F)
GG33-0402	1/4 BSPT(F)	1/8 BSPP(F)
GG33-0404	1/4 BSPT(F)	1/4 BSPP(F)
GG33-0602	3/8 BSPT(F)	1/8 BSPP(F)
GG33-0604	3/8 BSPT(F)	1/4 BSPP(F)
GG33-0606	3/8 BSPT(F)	3/8 BSPP(F)
GG33-0804	1/2 BSPT(F)	1/4 BSPP(F)
GG33-0806	1/2 BSPT(F)	3/8 BSPP(F)
GG33-0808	1/2 BSPT(F)	1/2 BSPP(F)
GG33-1208	3/4 BSPT(F)	1/2 BSPP(F)
GG33-1212	3/4 BSPT(F)	3/4 BSPP(F)
GG33-1612	1 BSPT(F)	3/4 BSPP(F)
GG33-1616	1 BSPT(F)	1 BSPP(F)
GG33-2020	1-1/4 BSPT(F)	1-1/4 BSPP(F)
GG33-2424	1-1/2 BSPT(F)	1-1/2 BSPP(F)
GG33-3232	2 BSPT(F)	2 BSPP(F)



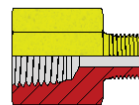
NPT x NPT Fixed Adaptor

PART NUMBER	THREAD	THREAD
FG-0202	1/8 NPT(F)	1/8 NPT(M)
FG-0402	1/4 NPT(F)	1/8 NPT(M)
FG-0404	1/4 NPT(F)	1/4 NPT(M)
FG-0604	3/8 NPT(F)	1/4 NPT(M)
FG-0606	3/8 NPT(F)	3/8 NPT(M)
FG-0804	1/2 NPT(F)	1/4 NPT(M)
FG-0806	1/2 NPT(F)	3/8 NPT(M)
FG-0808	1/2 NPT(F)	1/2 NPT(M)
FG-1204	3/4 NPT(F)	1/4 NPT(M)
FG-1208	3/4 NPT(F)	1/2 NPT(M)
FG-1212	3/4 NPT(F)	3/4 NPT(M)
FG-1608	1 NPT(F)	1/2 NPT(M)
FG-1612	1 NPT(F)	3/4 NPT(M)
FG-1616	1 NPT(F)	1 NPT(M)



NPT x NPT Socket

PART NUMBER	THREAD	THREAD
GG-0202	1/8 NPT(F)	1/8 NPT(F)
GG-0402	1/4 NPT(F)	1/8 NPT(F)
GG-0404	1/4 NPT(F)	1/4 NPT(F)
GG-0602	3/8 NPT(F)	1/8 NPT(F)
GG-0604	3/8 NPT(F)	1/4 NPT(F)
GG-0606	3/8 NPT(F)	3/8 NPT(F)
GG-0804	1/2 NPT(F)	1/4 NPT(F)
GG-0806	1/2 NPT(F)	3/8 NPT(F)
GG-0808	1/2 NPT(F)	1/2 NPT(F)
GG-1208	3/4 NPT(F)	1/2 NPT(F)
GG-1212	3/4 NPT(F)	3/4 NPT(F)
GG-1616	1 NPT(F)	1 NPT(F)
GG-2020	1-1/4 NPT(F)	1-1/4 NPT(F)
GG-2424	1-1/2 NPT(F)	1-1/2 NPT(F)
GG-3232	2 NPT(F)	2 NPT(F)



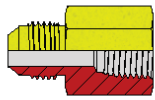
BSPT x BSPT Fixed Adaptor

PART NUMBER	THREAD	THREAD
FG33-0202	1/8 BSPT(F)	1/8 BSPT(M)
FG33-0402	1/4 BSPT(F)	1/8 BSPT(M)
FG33-0404	1/4 BSPT(F)	1/4 BSPT(M)
FG33-0604	3/8 BSPT(F)	1/4 BSPT(M)
FG33-0606	3/8 BSPT(F)	3/8 BSPT(M)
FG33-0804	1/2 BSPT(F)	1/4 BSPT(M)
FG33-0806	1/2 BSPT(F)	3/8 BSPT(M)
FG33-0808	1/2 BSPT(F)	1/2 BSPT(M)
FG33-1206	3/4 BSPT(F)	3/8 BSPT(M)
FG33-1208	3/4 BSPT(F)	1/2 BSPT(M)
FG33-1212	3/4 BSPT(F)	3/4 BSPT(M)
FG33-1612	1 BSPT(F)	3/4 BSPT(M)
FG33-1616	1 BSPT(F)	1 BSPT(M)



BSPP x BSPP Swivel Adaptor

PART NUMBER	THREAD	THREAD
F6MK4-0404	1/4 BSPP(F)	1/4 BSPP(M)
F6MK4-0606	3/8 BSPP(F)	3/8 BSPP(M)
F6MK4-0808	1/2 BSPP(F)	1/2 BSPP(M)
F6MK4-1212	3/4 BSPP(F)	3/4 BSPP(M)
F6MK4-1616	1 BSPP(F)	1 BSPP(M)



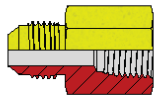
**JIC x BSPT
Fixed Adaptor**

PART NUMBER	THREAD	THREAD
G3M-0402	7/16 JIC(M)	1/8 BSPT(F)
G3M-0404	7/16 JIC(M)	1/4 BSPT(F)
G3M-0604	9/16 JIC(M)	1/4 BSPT(F)
G3M-0606	9/16 JIC(M)	3/8 BSPT(F)
G3M-0808	3/4 JIC(M)	1/2 BSPT(F)
G3M-1008	7/8 JIC(M)	1/2 BSPT(F)
G3M-1212	1-1/16 JIC(M)	3/4 BSPT(F)
G3M-1616	1-5/16 JIC(M)	1 BSPT(F)



**BSPT x BSPP
Swivel Adaptor**

PART NUMBER	THREAD	THREAD
F63MK4-0202	1/8 BSPT(M)	1/8 BSPP(F)
F63MK4-0404	1/4 BSPT(M)	1/4 BSPP(F)
F63MK4-0606	3/8 BSPT(M)	3/8 BSPP(F)
F63MK4-0608	1/2 BSPT(M)	3/8 BSPP(F)
F63MK4-0806	3/8 BSPT(M)	1/2 BSPP(F)
F63MK4-0808	1/2 BSPT(M)	1/2 BSPP(F)
F63MK4-1212	3/4 BSPT(M)	3/4 BSPP(F)
F63MK4-1616	1 BSPT(M)	1 BSPP(F)
F63MK4-2020	1-1/4 BSPT(M)	1-1/4 BSPP(F)
F63MK4-2424	1-1/2 BSPT(M)	1-1/2 BSPP(F)



**JIC x NPT
Fixed Adaptor**

PART NUMBER	THREAD	THREAD
GTX-0402	7/16 JIC(M)	1/8 NPT(F)
GTX-0404	7/16 JIC(M)	1/4 NPT(F)
GTX-0504	1/2 JIC(M)	1/4 NPT(F)
GTX-0604	9/16 JIC(M)	1/4 NPT(F)
GTX-0606	9/16 JIC(M)	3/8 NPT(F)
GTX-0806	3/4 JIC(M)	3/8 NPT(F)
GTX-0808	3/4 JIC(M)	1/2 NPT(F)
GTX-1008	7/8 JIC(M)	1/2 NPT(F)
GTX-1208	1-1/16 JIC(M)	1/2 NPT(F)
GTX-1212	1-1/16 JIC(M)	3/4 NPT(F)
GTX-1616	1-5/16 JIC(M)	1 NPT(F)
GTX-2020	1-5/8 JIC(M)	1-1/4 NPT(F)
GTX-2424	1-7/8 JIC(M)	1-1/2 NPT(F)
GTX-3232	2-1/2 JIC(M)	2 NPT(F)



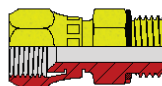
**JIC x BSPP
Swivel Adaptor**

PART NUMBER	THREAD	THREAD
F640M-0402	7/16 JIC(F)	1/8 BSPP(M)
F640M-0404	7/16 JIC(F)	1/4 BSPP(M)
F640M-0604	9/16 JIC(F)	1/4 BSPP(M)
F640M-0606	9/16 JIC(F)	3/8 BSPP(M)
F640M-0806	3/4 JIC(F)	3/8 BSPP(M)
F640M-0808	3/4 JIC(F)	1/2 BSPP(M)
F640M-1006	7/8 JIC(F)	3/8 BSPP(M)
F640M-1008	7/8 JIC(F)	1/2 BSPP(M)
F640M-1208	1-1/16 JIC(F)	1/2 BSPP(M)
F640M-1212	1-1/16 JIC(F)	3/4 BSPP(M)
F640M-1216	1-1/16 JIC(F)	1 BSPP(M)
F640M-1616	1-5/16 JIC(F)	1 BSPP(M)
F640M-2020	1-5/8 JIC(F)	1-1/4 BSPP(M)
F640M-2424	1-7/8 JIC(F)	1-1/2 BSPP(M)



**JIC x BSPT
Swivel Adaptor**

PART NUMBER	THREAD	THREAD
F63M-0402	7/16 JIC(F)	1/8 BSPT(M)
F63M-0404	7/16 JIC(F)	1/4 BSPT(M)
F63M-0604	9/16 JIC(F)	1/4 BSPT(M)
F63M-0606	9/16 JIC(F)	3/8 BSPT(M)
F63M-0804	3/4 JIC(F)	1/4 BSPT(M)
F63M-0806	3/4 JIC(F)	3/8 BSPT(M)
F63M-0808	3/4 JIC(F)	1/2 BSPT(M)
F63M-1008	7/8 JIC(F)	1/2 BSPT(M)
F63M-1208	1-1/16 JIC(F)	1/2 BSPT(M)
F63M-1212	1-1/16 JIC(F)	3/4 BSPT(M)
F63M-1612	1-5/16 JIC(F)	3/4 BSPT(M)
F63M-1616	1-5/16 JIC(F)	1 BSPT(M)
F63M-2020	1-5/8 JIC(F)	1-1/4 BSPT(M)



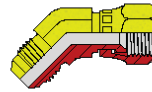
**JIC x UNO
Swivel Adaptor**

PART NUMBER	THREAD	THREAD
F650-0404	7/16 JIC(F)	7/16 UN-O(M)
F650-0505	1/2 JIC(F)	1/2 UN-O(M)
F650-0606	9/16 JIC(F)	9/16 UN-O(M)
F650-0808	3/4 JIC(F)	3/4 UN-O(M)
F650-1010	7/8 JIC(F)	7/8 UN-O(M)
F650-1212	1-1/16 JIC(F)	1-1/16 UN-O(M)
F650-1616	1-5/16 JIC(F)	1-5/16 UN-O(M)
F650-2020	1-5/8 JIC(F)	1-5/8 UN-O(M)



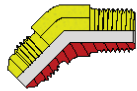
**JIC x BSPT
Swivel Adaptor**

PART NUMBER	THREAD	THREAD
F6X-0402	7/16 JIC(F)	1/8 NPT(M)
F6X-0404	7/16 JIC(F)	1/4 NPT(M)
F6X-0504	1/2 JIC(F)	1/4 NPT(M)
F6X-0604	9/16 JIC(F)	1/4 NPT(M)
F6X-0606	9/16 JIC(F)	3/8 NPT(M)
F6X-0804	3/4 JIC(F)	1/4 NPT(M)
F6X-0806	3/4 JIC(F)	3/8 NPT(M)
F6X-1006	7/8 JIC(F)	3/8 NPT(M)
F6X-1008	7/8 JIC(F)	1/2 NPT(M)
F6X-1208	1-1/16 JIC(F)	1/2 NPT(M)
F6X-1212	1-1/16 JIC(F)	3/4 NPT(M)
F6X-1616	1-5/16 JIC(F)	1 NPT(M)
F6X-2020	1-5/8 JIC(F)	1-1/4 NPT(M)



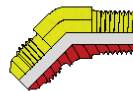
**JIC x JIC
45° Elbow**

PART NUMBER	THREAD	THREAD
V6X-0404	7/16 JIC(M)	7/16 JIC(F)
V6X-0606	9/16 JIC(M)	9/16 JIC(F)
V6X-0808	3/4 JIC(M)	3/4 JIC(F)
V6X-1010	7/8 JIC(M)	7/8 JIC(F)
V6X-1212	1-1/16 JIC(M)	1-1/16 JIC(F)
V6X-1616	1-5/16 JIC(M)	1-5/16 JIC(F)
V6X-2020	1-5/8 JIC(M)	1-5/8 JIC(F)
V6X-2424	1-7/8 JIC(M)	1-7/8 JIC(F)
V6X-3232	2-1/2 JIC(M)	2-1/2 JIC(F)



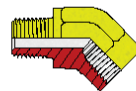
**JIC x NPT
45° Elbow**

PART NUMBER	THREAD	THREAD
V3M-0402	7/16 JIC(M)	1/8 BSPT(M)
V3M-0404	7/16 JIC(M)	1/4 BSPT(M)
V3M-0406	7/16 JIC(M)	3/8 BSPT(M)
V3M-0504	1/2 JIC(M)	1/4 BSPT(M)
V3M-0604	9/16 JIC(M)	1/4 BSPT(M)
V3M-0606	9/16 JIC(M)	3/8 BSPT(M)
V3M-0806	3/4 JIC(M)	3/8 BSPT(M)
V3M-0808	3/4 JIC(M)	1/2 BSPT(M)
V3M-1006	7/8 JIC(M)	3/8 BSPT(M)
V3M-1008	7/8 JIC(M)	1/2 BSPT(M)
V3M-1012	7/8 JIC(M)	3/4 BSPT(M)
V3M-1208	1-1/16 JIC(M)	1/2 BSPT(M)
V3M-1212	1-1/16 JIC(M)	3/4 BSPT(M)
V3M-1616	1-5/16 JIC(M)	1 BSPT(M)
V3M-2020	1-5/8 JIC(M)	1-1/4 BSPT(M)



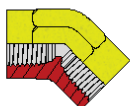
**JIC x BSPT
45° Elbow**

PART NUMBER	THREAD	THREAD
CR45-0202	1/8 BSPT(M)	1/8 BSPT(M)
CR45-0404	1/4 BSPT(M)	1/4 BSPT(M)
CR45-0606	3/8 BSPT(M)	3/8 BSPT(M)
CR45-0808	1/2 BSPT(M)	1/2 BSPT(M)
CR45-1212	3/4 BSPT(M)	3/4 BSPT(M)
CR45-1616	1 BSPT(M)	1 BSPT(M)



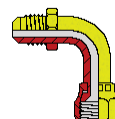
**NPT x NPT
45° Elbow**

PART NUMBER	THREAD	THREAD
CD45-0202	1/8 NPT(M)	1/8 NPT(F)
CD45-0404	1/4 NPT(M)	1/4 NPT(F)
CD45-0606	3/8 NPT(M)	3/8 NPT(F)
CD45-0808	1/2 NPT(M)	1/2 NPT(F)
CD45-1212	3/4 NPT(M)	3/4 NPT(F)
CD45-1616	1 NPT(M)	1 NPT(F)



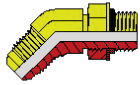
**NPT x NPT
45° Elbow**

PART NUMBER	THREAD	THREAD
DD45-0404	1/4 NPT(F)	1/4 NPT(F)
DD45-0606	3/8 NPT(F)	3/8 NPT(F)
DD45-0808	1/2 NPT(F)	1/2 NPT(F)
DD45-1212	3/4 NPT(F)	3/4 NPT(F)
DD45-1616	1 NPT(F)	1 NPT(F)



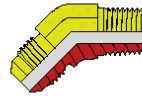
**JIC x JIC
Short Swept Elbow**

PART NUMBER	THREAD	THREAD
500454-4S	7/16 JIC(M)	7/16 JIC(F)
500454-6S	9/16 JIC(M)	9/16 JIC(F)
500454-8S	3/4 JIC(M)	3/4 JIC(F)
500454-10S	7/8 JIC(M)	7/8 JIC(F)
500454-12S	1-1/16 JIC(M)	1-1/16 JIC(F)
500454-16S	1-5/16 JIC(F)	1-5/16 JIC(F)
500454-20S	1-5/8 JIC(F)	1-5/8 JIC(F)



**JIC x UNO
45° Elbow**

PART NUMBER	THREAD	THREAD
V50-0404	7/16 JIC(M)	7/16 UN-O(M)
V50-0505	1/2 JIC(M)	1/2 UN-O(M)
V50-0606	9/16 JIC(M)	9/16 UN-O(M)
V50-0608	9/16 JIC(M)	3/4 UN-O(M)
V50-0806	3/4 JIC(M)	9/16 UN-O(M)
V50-0808	3/4 JIC(M)	3/4 UN-O(M)
V50-0810	3/4 JIC(M)	7/8 UN-O(M)
V50-0812	3/4 JIC(M)	1-1/16 UN-O(M)
V50-1008	7/8 JIC(M)	3/4 UN-O(M)
V50-1010	7/8 JIC(M)	7/8 UN-O(M)
V50-1208	1-1/16 JIC(M)	3/4 UN-O(M)
V50-1210	1-1/16 JIC(M)	7/8 UN-O(M)
V50-1212	1-1/16 JIC(M)	1-1/16 UN-O(M)
V50-1612	1-5/16 JIC(M)	1-1/16 UN-O(M)
V50-1616	1-5/16 JIC(M)	1-5/16 UN-O(M)
V50-2016	1-5/8 JIC(M)	1-5/16 UN-O(M)
V50-2020	1-5/8 JIC(M)	1-5/8 UN-O(M)
V50-2424	1-7/8 JIC(M)	1-7/8 UN-O(M)



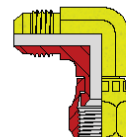
**JIC x NPT
45° Elbow**

PART NUMBER	THREAD	THREAD
VTX-0402	7/16 JIC(M)	1/8 NPT(M)
VTX-0404	7/16 JIC(M)	1/4 NPT(M)
VTX-0504	1/2 JIC(M)	1/4 NPT(M)
VTX-0602	9/16 JIC(M)	1/8 NPT(M)
VTX-0604	9/16 JIC(M)	1/4 NPT(M)
VTX-0606	9/16 JIC(M)	3/8 NPT(M)
VTX-0608	9/16 JIC(M)	1/2 NPT(M)
VTX-0804	3/4 JIC(M)	1/4 NPT(M)
VTX-0806	3/4 JIC(M)	3/8 NPT(M)
VTX-0808	3/4 JIC(M)	1/2 NPT(M)
VTX-0812	3/4 JIC(M)	3/4 NPT(M)
VTX-1006	7/8 JIC(M)	3/8 NPT(M)
VTX-1008	7/8 JIC(M)	1/2 NPT(M)
VTX-1208	1-1/16 JIC(M)	1/2 NPT(M)
VTX-1212	1-1/16 JIC(M)	3/4 NPT(M)
VTX-1216	1-1/16 JIC(M)	1 NPT(M)
VTX-1612	1-5/16 JIC(M)	3/4 NPT(M)
VTX-1616	1-5/16 JIC(M)	1 NPT(M)
VTX-2016	1-5/8 JIC(M)	1 NPT(M)
VTX-2020	1-5/8 JIC(M)	1-1/4 NPT(M)
VTX-2424	1-7/8 JIC(M)	1-1/2 NPT(M)
VTX-3232	2-1/2 JIC(M)	2 NPT(M)



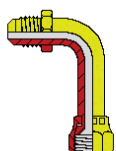
**JIC x BSPP
45° Elbow**

PART NUMBER	THREAD	THREAD
V40M-0402	7/16 JIC(M)	1/8 BSPP(M)
V40M-0604	9/16 JIC(M)	1/4 BSPP(M)
V40M-0806	3/4 JIC(M)	3/8 BSPP(M)
V40M-1008	7/8 JIC(M)	1/2 BSPP(M)
V40M-1212	1-1/16 JIC(M)	3/4 BSPP(M)
V40M-1616	1-5/16 JIC(M)	1 BSPP(M)



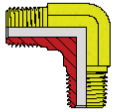
**JIC x JIC
90° Elbow**

PART NUMBER	THREAD	THREAD
C6X-0404	7/16 JIC(M)	7/16 JIC(F)
C6X-0505	1/2 JIC(M)	1/2 JIC(F)
C6X-0606	9/16 JIC(M)	9/16 JIC(F)
C6X-0808	3/4 JIC(M)	3/4 JIC(F)
C6X-1010	7/8 JIC(M)	7/8 JIC(F)
C6X-1212	1-1/16 JIC(M)	1-1/16 JIC(F)
C6X-1414	1-3/16 JIC(M)	1-3/16 JIC(F)
C6X-1616	1-5/16 JIC(M)	1-5/16 JIC(F)
C6X-2020	1-5/8 JIC(M)	1-5/8 JIC(F)
C6X-2424	1-7/8 JIC(M)	1-7/8 JIC(F)
C6X-3232	2-1/2 JIC(M)	2-1/2 JIC(F)



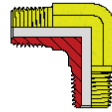
**JIC x JIC
Long Swept Elbow**

PART NUMBER	THREAD	THREAD
504095-4S	7/16 JIC(M)	7/16 JIC(F)
504095-6S	9/16 JIC(M)	9/16 JIC(F)
504095-8S	3/4 JIC(M)	3/4 JIC(F)
504095-10S	7/8 JIC(M)	7/8 JIC(F)
504095-12S	1-1/16 JIC(M)	1-1/16 JIC(F)
504095-16S	1-5/16 JIC(F)	1-5/16 JIC(F)
504905-20S	1-5/8 JIC(F)	1-5/8 JIC(F)



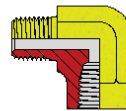
**BSPT x BSPT
90° Elbow**

PART NUMBER	THREAD	THREAD
CR33-0202	1/8 BSPT(M)	1/8 BSPT(M)
CR33-0402	1/4 BSPT(M)	1/8 BSPT(M)
CR33-0404	1/4 BSPT(M)	1/4 BSPT(M)
CR33-0604	3/8 BSPT(M)	1/4 BSPT(M)
CR33-0606	3/8 BSPT(M)	3/8 BSPT(M)
CR33-0804	1/2 BSPT(M)	1/4 BSPT(M)
CR33-0806	1/2 BSPT(M)	3/8 BSPT(M)
CR33-0808	1/2 BSPT(M)	1/2 BSPT(M)
CR33-1206	3/4 BSPT(M)	3/8 BSPT(M)
CR33-1208	3/4 BSPT(M)	1/2 BSPT(M)
CR33-1212	3/4 BSPT(M)	3/4 BSPT(M)
CR33-1612	1 BSPT(M)	3/4 BSPT(M)
CR33-1616	1 BSPT(M)	1 BSPT(M)
CR33-2016	1-1/4 BSPT(M)	1 BSPT(M)
CR33-2020	1-1/4 BSPT(M)	1-1/4 BSPT(M)
CR33-2424	1-1/2 BSPT(M)	1-1/2 BSPT(M)



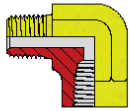
**NPT x NPT
90° Elbow**

PART NUMBER	THREAD	THREAD
CR-0202	1/8 NPT(M)	1/8 NPT(M)
CR-0404	1/4 NPT(M)	1/4 NPT(M)
CR-0604	3/8 NPT(M)	1/4 NPT(M)
CR-0606	3/8 NPT(M)	3/8 NPT(M)
CR-0808	1/2 NPT(M)	1/2 NPT(M)
CR-1212	3/4 NPT(M)	3/4 NPT(M)
CR-1616	1 NPT(M)	1 NPT(M)
CR-2020	1-1/4 NPT(M)	1-1/4 NPT(M)
CR-2424	1-1/2 NPT(M)	1-1/2 NPT(M)



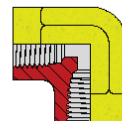
**BSPT x BSPT
90° Elbow**

PART NUMBER	THREAD	THREAD
CD33-0202	1/8 BSPT(M)	1/8 BSPT(F)
CD33-0404	1/4 BSPT(M)	1/4 BSPT(F)
CD33-0606	3/8 BSPT(M)	3/8 BSPT(F)
CD33-0806	1/2 BSPT(M)	3/8 BSPT(F)
CD33-0808	1/2 BSPT(M)	1/2 BSPT(F)
CD33-0812	1/2 BSPT(M)	3/4 BSPT(F)
CD33-1208	3/4 BSPT(M)	1/2 BSPT(F)
CD33-1212	3/4 BSPT(M)	3/4 BSPT(F)
CD33-1616	1 BSPT(M)	1 BSPT(F)
CD33-2020	1-1/4 BSPT(M)	1-1/4 BSPT(F)
CD33-2424	1-1/2 BSPT(M)	1-1/2 BSPT(F)



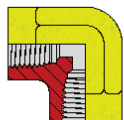
**NPT x NPT
90° Elbow**

PART NUMBER	THREAD	THREAD
CD-0202	1/8 NPT(M)	1/8 NPT(F)
CD-0404	1/4 NPT(M)	1/4 NPT(F)
CD-0604	3/8 NPT(M)	1/4 NPT(F)
CD-0606	3/8 NPT(M)	3/8 NPT(F)
CD-0808	1/2 NPT(M)	1/2 NPT(F)
CD-1212	3/4 NPT(M)	3/4 NPT(F)
CD-1616	1 NPT(M)	1 NPT(F)
CD-2020	1-1/4 NPT(M)	1-1/4 NPT(F)



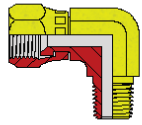
**NPT x NPT
90° Elbow**

PART NUMBER	THREAD	THREAD
DD-0202	1/8 NPT(F)	1/8 NPT(F)
DD-0404	1/4 NPT(F)	1/4 NPT(F)
DD-0606	3/8 NPT(F)	3/8 NPT(F)
DD-0808	1/2 NPT(F)	1/2 NPT(F)
DD-1212	3/4 NPT(F)	3/4 NPT(F)
DD-1616	1 NPT(F)	1 NPT(F)
DD-2020	1-1/4 NPT(F)	1-1/4 NPT(F)
DD-2424	1-1/2 NPT(F)	1-1/2 NPT(F)



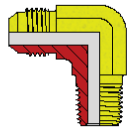
**BSPT x BSPT
90° Elbow**

PART NUMBER	THREAD	THREAD
DD33-0202	1/8 BSPT(F)	1/8 BSPT(F)
DD33-0404	1/4 BSPT(F)	1/4 BSPT(F)
DD33-0606	3/8 BSPT(F)	3/8 BSPT(F)
DD33-0808	1/2 BSPT(F)	1/2 BSPT(F)
DD33-1212	3/4 BSPT(F)	3/4 BSPT(F)
DD33-1616	1 BSPT(F)	1 BSPT(F)
DD33-2020	1-1/4 BSPT(F)	1-1/4 BSPT(F)



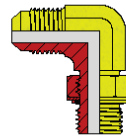
**JIC x BSPT
90° Elbow**

PART NUMBER	THREAD	THREAD
C63M-0404	7/16 JIC(F)	1/4 BSPT(M)
C63M-0604	9/16 JIC(F)	1/4 BSPT(M)
C63M-0606	9/16 JIC(F)	3/8 BSPT(M)
C63M-0808	3/4 JIC(F)	1/2 BSPT(M)
C63M-1212	1-1/16 JIC(F)	3/4 BSPT(M)
C63M-1616	1-5/16 JIC(F)	1 BSPT(M)



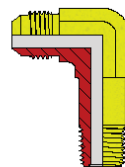
**JIC x BSPT
90° Elbow**

PART NUMBER	THREAD	THREAD
C3M-0402	7/16 JIC(M)	1/8 BSPT(M)
C3M-0404	7/16 JIC(M)	1/4 BSPT(M)
C3M-0406	7/16 JIC(M)	3/8 BSPT(M)
C3M-0408	7/16 JIC(M)	1/2 BSPT(M)
C3M-0502	1/2 JIC(M)	1/8 BSPT(M)
C3M-0504	1/2 JIC(M)	1/4 BSPT(M)
C3M-0602	9/16 JIC(M)	1/8 BSPT(M)
C3M-0604	9/16 JIC(M)	1/4 BSPT(M)
C3M-0606	9/16 JIC(M)	3/8 BSPT(M)
C3M-0608	9/16 JIC(M)	1/2 BSPT(M)
C3M-0804	3/4 JIC(M)	1/4 BSPT(M)
C3M-0806	3/4 JIC(M)	3/8 BSPT(M)
C3M-0808	3/4 JIC(M)	1/2 BSPT(M)
C3M-0812	3/4 JIC(M)	3/4 BSPT(M)
C3M-1006	7/8 JIC(M)	3/8 BSPT(M)
C3M-1008	7/8 JIC(M)	1/2 BSPT(M)
C3M-1012	7/8 JIC(M)	3/4 BSPT(M)
C3M-1016	7/8 JIC(M)	1 BSPT(M)
C3M-1208	1-1/16 JIC(M)	1/2 BSPT(M)
C3M-1212	1-1/16 JIC(M)	3/4 BSPT(M)
C3M-1216	1-1/16 JIC(M)	1 BSPT(M)
C3M-1612	1-5/16 JIC(M)	3/4 BSPT(M)
C3M-1616	1-5/16 JIC(M)	1 BSPT(M)
C3M-1620	1-5/16 JIC(M)	1-1/4 BSPT(M)
C3M-2016	1-5/8 JIC(M)	1 BSPT(M)
C3M-2020	1-5/8 JIC(M)	1-1/4 BSPT(M)
C3M-2024	1-5/8 JIC(M)	1-1/2 BSPT(M)
C3M-2424	1-7/8 JIC(M)	1-1/2 BSPT(M)
C3M-3232	2-1/2 JIC(M)	2 BSPT(M)



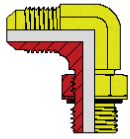
**JIC x BSPP
90° Elbow**

ART NUMBER	THREAD	THREAD
C40M-0402	7/16 JIC(M)	1/8 BSPP(M)
C40M-0404	7/16 JIC(M)	1/4 BSPP(M)
C40M-0504	1/2 JIC(M)	1/4 BSPP(M)
C40M-0604	9/16 JIC(M)	1/4 BSPP(M)
C40M-0606	9/16 JIC(M)	3/8 BSPP(M)
C40M-0608	9/16 JIC(M)	1/2 BSPP(M)
C40M-0804	3/4 JIC(M)	1/4 BSPP(M)
C40M-0806	3/4 JIC(M)	3/8 BSPP(M)
C40M-0808	3/4 JIC(M)	1/2 BSPP(M)
C40M-0812	3/4 JIC(M)	3/4 BSPP(M)
C40M-1006	7/8 JIC(M)	3/8 BSPP(M)
C40M-1008	7/8 JIC(M)	1/2 BSPP(M)
C40M-1012	7/8 JIC(M)	3/4 BSPP(M)
C40M-1208	1-1/16 JIC(M)	1/2 BSPP(M)
C40M-1212	1-1/16 JIC(M)	3/4 BSPP(M)
C40M-1216	1-1/16 JIC(M)	1 BSPP(M)
C40M-1612	1-5/16 JIC(M)	3/4 BSPP(M)
C40M-1616	1-5/16 JIC(M)	1 BSPP(M)
C40M-1620	1-5/16 JIC(M)	1-1/4 BSPP(M)
C40M-2016	1-5/8 JIC(M)	1 BSPP(M)
C40M-2020	1-5/8 JIC(M)	1-1/4 BSPP(M)
C40M-2424	1-7/8 JIC(M)	1-1/2 BSPP(M)



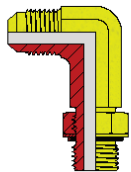
**JIC x BSPT
90° Extended Elbow**

PART NUMBER	THREAD	THREAD
CC3M-0404	7/16 JIC(M)	1/4 BSPT(M)
CC3M-0604	9/16 JIC(M)	1/4 BSPT(M)
CC3M-0808	3/4 JIC(M)	1/2 BSPT(M)
CC3M-1008	7/8 JIC(M)	1/2 BSPT(M)



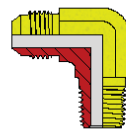
**JIC x UNO
90° Elbow**

PART NUMBER	THREAD	THREAD
C50-0202	5/16 JIC(M)	5/16 UN-O(M)
C50-0404	7/16 JIC(M)	7/16 UN-O(M)
C50-0406	7/16 JIC(M)	9/16 UN-O(M)
C50-0505	1/2 JIC(M)	1/2 UN-O(M)
C50-0506	1/2 JIC(M)	9/16 UN-O(M)
C50-0604	9/16 JIC(M)	7/16 UN-O(M)
C50-0605	9/16 JIC(M)	1/2 UN-O(M)
C50-0606	9/16 JIC(M)	9/16 UN-O(M)
C50-0608	9/16 JIC(M)	3/4 UN-O(M)
C50-0610	9/16 JIC(M)	7/8 UN-O(M)
C50-0806	3/4 JIC(M)	9/16 UN-O(M)
C50-0808	3/4 JIC(M)	3/4 UN-O(M)
C50-0810	3/4 JIC(M)	7/8 UN-O(M)
C50-0812	3/4 JIC(M)	1-1/16 UN-O(M)
C50-0816	3/4 JIC(M)	1-5/16 UN-O(M)
C50-1006	7/8 JIC(M)	9/16 UN-O(M)
C50-1008	7/8 JIC(M)	3/4 UN-O(M)
C50-1010	7/8 JIC(M)	7/8 UN-O(M)
C50-1012	7/8 JIC(M)	1-1/16 UN-O(M)
C50-1208	1-1/16 JIC(M)	3/4 UN-O(M)
C50-1210	1-1/16 JIC(M)	7/8 UN-O(M)
C50-1212	1-1/16 JIC(M)	1-1/16 UN-O(M)
C50-1216	1-1/16 JIC(M)	1-5/16 UN-O(M)
C50-1608	1-5/16 JIC(M)	3/4 UN-O(M)
C50-1610	1-5/16 JIC(M)	7/8 UN-O(M)
C50-1612	1-5/16 JIC(M)	1-1/16 UN-O(M)
C50-1616	1-5/16 JIC(M)	1-5/16 UN-O(M)
C50-1620	1-5/16 JIC(M)	1-5/8 UN-O(M)
C50-2016	1-5/8 JIC(M)	1-5/16 UN-O(M)
C50-2020	1-5/8 JIC(M)	1-5/8 UN-O(M)
C50-2424	1-7/8 JIC(M)	1-7/8 UN-O(M)



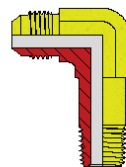
**JIC x UNO
90° Elbow**

PART NUMBER	THREAD	THREAD
CC50-0404	7/16 JIC(M)	7/16 UN-O(M)
CC50-0606	9/16 JIC(M)	9/16 UN-O(M)
CC50-0808	3/4 JIC(M)	3/4 UN-O(M)
CC50-1010	7/8 JIC(M)	7/8 UN-O(M)
CC50-1212	1-1/16 JIC(M)	1-1/16 UN-O(M)
CC50-1616	1-5/16 JIC(M)	1-5/16 UN-O(M)



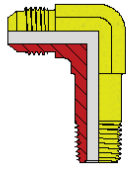
**JIC x NPT
90° Elbow**

PART NUMBER	THREAD	THREAD
CTX-0302	3/8 JIC(M)	1/8 NPT(M)
CTX-0402	7/16 JIC(M)	1/8 NPT(M)
CTX-0404	7/16 JIC(M)	1/4 NPT(M)
CTX-0406	7/16 JIC(M)	3/8 NPT(M)
CTX-0408	7/16 JIC(M)	1/2 NPT(M)
CTX-0502	1/2 JIC(M)	1/8 NPT(M)
CTX-0504	1/2 JIC(M)	1/4 NPT(M)
CTX-0602	9/16 JIC(M)	1/8 NPT(M)
CTX-0604	9/16 JIC(M)	1/4 NPT(M)
CTX-0606	9/16 JIC(M)	3/8 NPT(M)
CTX-0608	9/16 JIC(M)	1/2 NPT(M)
CTX-0804	3/4 JIC(M)	1/4 NPT(M)
CTX-0806	3/4 JIC(M)	3/8 NPT(M)
CTX-0808	3/4 JIC(M)	1/2 NPT(M)
CTX-0812	3/4 JIC(M)	3/4 NPT(M)
CTX-1006	7/8 JIC(M)	3/8 NPT(M)
CTX-1008	7/8 JIC(M)	1/2 NPT(M)
CTX-1012	7/8 JIC(M)	3/4 NPT(M)
CTX-1208	1-1/16 JIC(M)	1/2 NPT(M)
CTX-1212	1-1/16 JIC(M)	3/4 NPT(M)
CTX-1216	1-1/16 JIC(M)	1 NPT(M)
CTX-1612	1-5/16 JIC(M)	3/4 NPT(M)
CTX-1616	1-5/16 JIC(M)	1 NPT(M)
CTX-1620	1-5/16 JIC(M)	1-1/4 NPT(M)
CTX-2016	1-5/8 JIC(M)	1 NPT(M)
CTX-2020	1-5/8 JIC(M)	1-1/4 NPT(M)
CTX-2424	1-7/8 JIC(M)	1-1/2 NPT(M)
CTX-3232	2-1/2 JIC(M)	2 NPT(M)



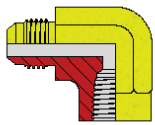
**JIC x NPT
90° Extended Elbow**

PART NUMBER	THREAD	THREAD
CCTX-0402	7/16 JIC(M)	1/8 NPT(M)
CCTX-0404	7/16 JIC(M)	1/4 NPT(M)
CCTX-0502	1/2 JIC(M)	1/8 NPT(M)
CCTX-0604	9/16 JIC(M)	1/4 NPT(M)
CCTX-0606	9/16 JIC(M)	3/8 NPT(M)
CCTX-0806	3/4 JIC(M)	3/8 NPT(M)
CCTX-0808	3/4 JIC(M)	1/2 NPT(M)
CCTX-1008	7/8 JIC(M)	1/2 NPT(M)
CCTX-1212	1-1/16 JIC(M)	3/4 NPT(M)
CCTX-1616	1-5/16 JIC(M)	1 NPT(M)
CCTX-2020	1-5/8 JIC(M)	1-1/4 NPT(M)



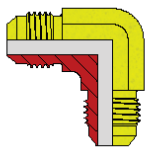
**JIC x NPT
90° Extended Elbow**

PART NUMBER	THREAD	THREAD
CCCTX-0402	7/16 JIC(M)	1/8 NPT(M)
CCCTX-0404	7/16 JIC(M)	1/4 NPT(M)
CCCTX-0604	9/16 JIC(M)	1/4 NPT(M)
CCCTX-0806	3/4 JIC(M)	3/8 NPT(M)



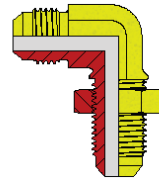
**JIC x NPT
90° Elbow**

PART NUMBER	THREAD	THREAD
DTX-0402	7/16 JIC(M)	1/8 NPT(F)
DTX-0404	7/16 JIC(M)	1/4 NPT(F)
DTX-0602	9/16 JIC(M)	1/8 NPT(F)
DTX-0604	9/16 JIC(M)	1/4 NPT(F)
DTX-0606	9/16 JIC(M)	3/8 NPT(F)
DTX-0806	3/4 JIC(M)	3/8 NPT(F)
DTX-0808	3/4 JIC(M)	1/2 NPT(F)
DTX-1008	7/8 JIC(M)	1/2 NPT(F)
DTX-1212	1-1/16 JIC(M)	3/4 NPT(F)
DTX-1616	1-5/16 JIC(M)	1 NPT(F)



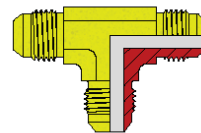
**JIC x JIC
90° Elbow**

PART NUMBER	THREAD	THREAD
ETX-0404	7/16 JIC(M)	7/16 JIC(M)
ETX-0505	1/2 JIC(M)	1/2 JIC(M)
ETX-0606	9/16 JIC(M)	9/16 JIC(M)
ETX-0808	3/4 JIC(M)	3/4 JIC(M)
ETX-1010	7/8 JIC(M)	7/8 JIC(M)
ETX-1212	1-1/16 JIC(M)	1-1/16 JIC(M)
ETX-1616	1-5/16 JIC(M)	1-5/16 JIC(M)
ETX-2020	1-5/8 JIC(M)	1-5/8 JIC(M)
ETX-2424	1-7/8 JIC(M)	1-7/8 JIC(M)



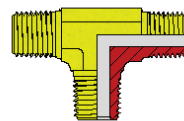
**JIC
90° Bulkhead**

PART NUMBER	THREAD	THREAD
WETX-0404		7/16 JIC(M)
WETX-0606		9/16 JIC(M)
WETX-0808		3/4 JIC(M)
WETX-1010		7/8 JIC(M)
WETX-1212		1-1/16 JIC(M)
WETX-1616		1-5/16 JIC(M)
WETX-2020		1-5/8 JIC(M)



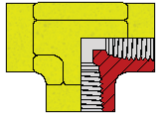
**JIC
Tee**

PART NUMBER	THREAD	THREAD
JTX-040404		7/16 JIC(M)
JTX-050505		1/2 JIC(M)
JTX-060606		9/16 JIC(M)
JTX-080808		3/4 JIC(M)
JTX-101010		7/8 JIC(M)
JTX-121212		1-1/16 JIC(M)
JTX-141414		1-3/16 JIC(M)
JTX-161616		1-5/16 JIC(M)
JTX-202020		1-5/8 JIC(M)
JTX-242424		1-7/8 JIC(M)



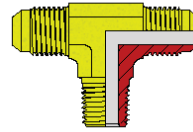
**BSPT
Tee**

PART NUMBER	THREAD	THREAD
RRS33-020202		1/8 BSPT(M)
RRS33-040404		1/4 BSPT(M)
RRS33-060606		3/8 BSPT(M)
RRS33-080808		1/2 BSPT(M)
RRS33-121212		3/4 BSPT(M)
RRS33-161616		1 BSPT(M)
RRS33-202020		1-1/4 BSPT(M)



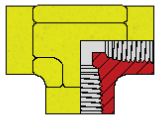
BSPT Tee

PART NUMBER	THREAD	THREAD
MMO33-020202		1/8 BSPT(F)
MMO33-040404		1/4 BSPT(F)
MMO33-060606		3/8 BSPT(F)
MMO33-080808		1/2 BSPT(F)
MMO33-121212		3/4 BSPT(F)
MMO33-161616		1 BSPT(F)
MMO33-202020		1-1/4 BSPT(F)
MMO33-242424		1-1/2 BSPT(F)
MMO33-323232		2 BSPT(F)



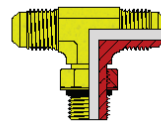
JIC x BSPT Branch Tee

PART NUMBER	THREAD	THREAD
S3M-040402	7/16 JIC(M)	1/8 BSPT(M)
S3M-040404	7/16 JIC(M)	1/4 BSPT(M)
S3M-060604	9/16 JIC(M)	1/4 BSPT(M)
S3M-060606	9/16 JIC(M)	3/8 BSPT(M)
S3M-080806	3/4 JIC(M)	3/8 BSPT(M)
S3M-080808	3/4 JIC(M)	1/2 BSPT(M)
S3M-101008	7/8 JIC(M)	1/2 BSPT(M)
S3M-121212	1-1/16 JIC(M)	3/4 BSPT(M)
S3M-161616	1-5/16 JIC(M)	1 BSPT(M)
S3M-202020	1-5/8 JIC(M)	1-1/4 BSPT(M)



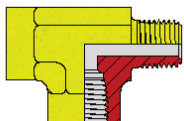
NPT Tee

PART NUMBER	THREAD	THREAD
MMO-020202		1/8 NPT(F)
MMO-040404		1/4 NPT(F)
MMO-060606		3/8 NPT(F)
MMO-080808		1/2 NPT(F)
MMO-121212		3/4 NPT(F)
MMO-161616		1 NPT(F)
MMO-202020		1-1/4 NPT(F)
MMO-242424		1-1/2 NPT(F)



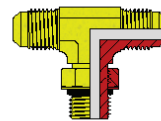
JIC x BSPP Branch Tee

PART NUMBER	THREAD	THREAD
S40M-060604	9/16 JIC(M)	1/4 BSPP(M)
S40M-060606	9/16 JIC(M)	3/8 BSPP(M)
S40M-080806	3/4 JIC(M)	3/8 BSPP(M)
S40M-080808	3/4 JIC(M)	1/2 BSPP(M)
S40M-101008	7/8 JIC(M)	1/2 BSPP(M)
S40M-121212	1-1/16 JIC(M)	3/4 BSPP(M)
S40M-161616	1-5/16 JIC(M)	1 BSPP(M)



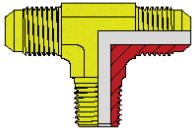
NPT Run Tee

PART NUMBER	THREAD	THREAD
MRO-020202		1/8 NPT
MRO-040404		1/4 NPT
MRO-060606		3/8 NPT
MRO-080808		1/2 NPT
MRO-121212		3/4 NPT
MRO-161616		1 NPT
MRO-202020		1-1/4 NPT



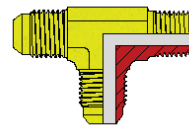
JIC x UNO Branch Tee

PART NUMBER	THREAD	THREAD
S50-040404	7/16 JIC(M)	7/16 UN-O(M)
S50-050505	1/2 JIC(M)	1/2 UN-O(M)
S50-060604	9/16 JIC(M)	7/16 UN-O(M)
S50-060606	9/16 JIC(M)	9/16 UN-O(M)
S50-080808	3/4 JIC(M)	3/4 UN-O(M)
S50-101010	7/8 JIC(M)	7/8 UN-O(M)
S50-121212	1-1/16 JIC(M)	1-1/16 UN-O(M)
S50-161616	1-5/16 JIC(M)	1-5/16 UN-O(M)



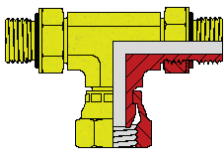
**JIC x NPT
Branch Tee**

PART NUMBER	THREAD	THREAD
STX-040402	7/16 JIC(M)	1/8 NPT(M)
STX-040404	7/16 JIC(M)	1/4 NPT(M)
STX-060604	9/16 JIC(M)	1/4 NPT(M)
STX-060606	9/16 JIC(M)	3/8 NPT(M)
STX-080806	3/4 JIC(M)	3/8 NPT(M)
STX-080808	3/4 JIC(M)	1/2 NPT(M)
STX-101008	7/8 JIC(M)	1/2 NPT(M)
STX-121212	1-1/16 JIC(M)	3/4 NPT(M)
STX-161616	1-5/16 JIC(M)	1 NPT(M)
STX-202020	1-5/8 JIC(M)	1-1/4 NPT(M)



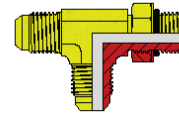
**JIC x BSPT
Run Tee**

PART NUMBER	THREAD	THREAD
R3M-040204	7/16 JIC(M)	1/8 BSPT(M)
R3M-040404	7/16 JIC(M)	1/4 BSPT(M)
R3M-060406	9/16 JIC(M)	1/4 BSPT(M)
R3M-060606	9/16 JIC(M)	3/8 BSPT(M)
R3M-080608	3/4 JIC(M)	3/8 BSPT(M)
R3M-080808	3/4 JIC(M)	1/2 BSPT(M)
R3M-100810	7/8 JIC(M)	1/2 BSPT(M)
R3M-121212	1-1/16 JIC(M)	3/4 BSPT(M)
R3M-121612	1-1/16 JIC(M)	1 BSPT(M)
R3M-161616	1-5/16 JIC(M)	1 BSPT(M)



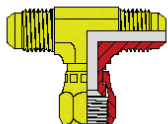
**BSPP x BSPP
Branch Tee**

PART NUMBER	THREAD	THREAD
S6MK4-040404	1/4 BSPP(M)	1/4 BSPP(F)
S6MK4-060606	3/8 BSPP(M)	3/8 BSPP(F)
S6MK4-080808	1/2 BSPP(M)	1/2 BSPP(F)
S6MK4-121212	3/4 BSPP(M)	3/4 BSPP(F)
S6MK4-161616	1 BSPP(M)	1 BSPP(F)



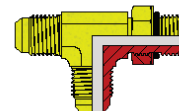
**JIC x BSPP
Run Tee**

PART NUMBER	THREAD	THREAD
R40M-060406	9/16 JIC(M)	1/4 BSPP(M)
R40M-080608	3/4 JIC(M)	3/8 BSPP(M)
R40M-080808	3/4 JIC(M)	1/2 BSPP(M)
R40M-100810	7/8 JIC(M)	1/2 BSPP(M)
R40M-121212	1-1/16 JIC(M)	3/4 BSPP(M)



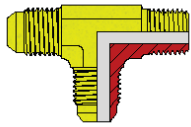
**JIC x JIC
Branch Tee**

PART NUMBER	THREAD	THREAD
S6X-040404	7/16 JIC(M)	7/16 JIC(F)
S6X-050505	1/2 JIC(M)	1/2 JIC(F)
S6X-060606	9/16 JIC(M)	9/16 JIC(F)
S6X-080808	3/4 JIC(M)	3/4 JIC(F)
S6X-101010	7/8 JIC(M)	7/8 JIC(F)
S6X-121212	1-1/16 JIC(M)	1-1/16 JIC(F)
S6X-141414	1-3/16 JIC(M)	1-3/16 JIC(F)
S6X-161616	1-5/16 JIC(M)	1-5/16 JIC(F)
S6X-202020	1-5/8 JIC(M)	1-5/8 JIC(F)



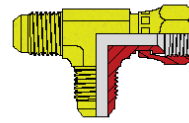
**JIC x UNO
Run Tee**

PART NUMBER	THREAD	THREAD
R50-040404	7/16 JIC(M)	7/16 UN-O(M)
R50-050505	1/2 JIC(M)	1/2 UN-O(M)
R50-060606	9/16 JIC(M)	9/16 UN-O(M)
R50-080808	3/4 JIC(M)	3/4 UN-O(M)
R50-101010	7/8 JIC(M)	7/8 UN-O(M)
R50-121212	1-1/16 JIC(M)	1-1/16 UN-O(M)
R50-161616	1-5/16 JIC(M)	1-5/16 UN-O(M)



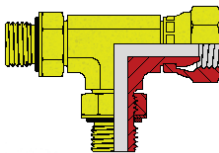
**JIC x NPT
Run Tee**

PART NUMBER	THREAD	THREAD
RTX-040204	7/16 JIC(M)	1/8 NPT(M)
RTX-040404	7/16 JIC(M)	1/4 NPT(M)
RTX-060406	9/16 JIC(M)	1/4 NPT(M)
RTX-060606	9/16 JIC(M)	3/8 NPT(M)
RTX-080806	9/16 JIC(M)	1/2 NPT(M)
RTX-080808	3/4 JIC(M)	1/2 NPT(M)
RTX-100810	7/8 JIC(M)	1/2 NPT(M)
RTX-121212	1-1/16 JIC(M)	3/4 NPT(M)
RTX-161616	1-5/16 JIC(M)	1 NPT(M)
RTX-202020	1-5/8 JIC(M)	1-1/4 NPT(M)
RTX-242424	1-7/8 JIC(M)	1-1/2 NPT(M)



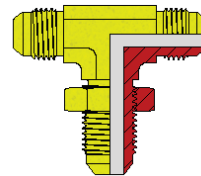
**JIC
Run Tee**

PART NUMBER	THREAD	THREAD
R6X-040404	7/16 JIC(F)	7/16 JIC(M)
R6X-050505	1/2 JIC(F)	1/2 JIC(M)
R6X-060606	9/16 JIC(F)	9/16 JIC(M)
R6X-080808	3/4 JIC(F)	3/4 JIC(M)
R6X-101010	7/8 JIC(F)	7/8 JIC(M)
R6X-121212	1-1/16 JIC(F)	1-1/16 JIC(M)
R6X-141414	1-3/16 JIC(F)	1-3/16 JIC(M)
R6X-161616	1-5/16 JIC(F)	1-5/16 JIC(M)
R6X-202020	1-5/8 JIC(F)	1-5/8 JIC(M)
R6X-242424	1-7/8 JIC(F)	1-7/8 JIC(M)
R6X-323232	2-1/2 JIC(M)	2-1/2 JIC(M)



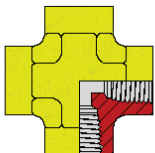
**BSPP
Run Tee**

PART NUMBER	THREAD	THREAD
R6MK4-040404	1/4 BSPP(F)	1/4 BSPP(M)
R6MK4-060606	3/8 BSPP(F)	3/8 BSPP(M)
R6MK4-080808	1/2 BSPP(F)	1/2 BSPP(M)
R6MK4-121212	3/4 BSPP(F)	3/4 BSPP(M)
R6MK4-161616	1 BSPP(F)	1 BSPP(M)



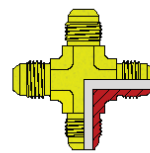
**JIC
Bulkhead Tee**

PART NUMBER	THREAD	THREAD
WJTX-040404		7/16 JIC(M)
WJTX-060606		9/16 JIC(M)
WJTX-080808		3/4 JIC(M)
WJTX-101010		7/8 JIC(M)
WJTX-121212		1-1/16 JIC(M)



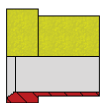
**BSPT
Cross**

PART NUMBER	THREAD	THREAD
KMM33-02020202		1/8 BSPT(F)
KMM33-04040404		1/4 BSPT(F)
KMM33-06060606		3/8 BSPT(F)
KMM33-08080808		1/2 BSPT(F)
KMM33-12121212		3/4 BSPT(F)
KMM33-16161616		1 BSPT(F)



**JIC
Cross**

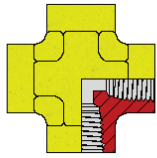
PART NUMBER	THREAD	THREAD
KTX-04040404		7/16 JIC(M)
KTX-05050505		1/2 JIC(M)
KTX-06060606		9/16 JIC(M)
KTX-08080808		3/4 JIC(M)
KTX-10101010		7/8 JIC(M)
KTX-12121212		1-1/16 JIC(M)
KTX-16161616		1-5/16 JIC(M)



**JIC
Tube Sleeve**

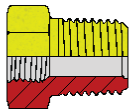
PART NUMBER	THREAD	THREAD
TX-02		1/8 TUBE
TX-03		3/16 TUBE
TX-04		1/4 TUBE
TX-05		5/16 TUBE
TX-06		3/8 TUBE

PART NUMBER	THREAD	THREAD
TX-08		1/2 TUBE
TX-10		5/8 TUBE
TX-12		3/4 TUBE
TX-14		7/8 TUBE
TX-16		1 TUBE
TX-20		1-1/4 TUBE
TX-24		1-1/2 TUBE



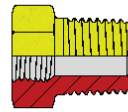
**NPT
Cross**

PART NUMBER	THREAD	THREAD
KMM-02020202		1/8 NPT(F)
KMM-04040404		1/4 NPT(F)
KMM-06060606		3/8 NPT(F)
KMM-08080808		1/2 NPT(F)
KMM-12121212		3/4 NPT(F)
KMM-16161616		1 NPT(F)



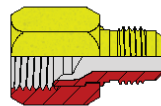
**BSPT
Reducing Bush**

PART NUMBER	THREAD	THREAD
PTR33-0402	1/8 BSPT(F)	1/4 BSPT(M)
PTR33-0602	1/8 BSPT(F)	3/8 BSPT(M)
PTR33-0604	1/4 BSPT(F)	3/8 BSPT(M)
PTR33-0802	1/8 BSPT(F)	1/2 BSPT(M)
PTR33-0804	1/4 BSPT(F)	1/2 BSPT(M)
PTR33-0806	3/8 BSPT(F)	1/2 BSPT(M)
PTR33-1204	1/4 BSPT(F)	3/4 BSPT(M)
PTR33-1206	3/8 BSPT(F)	3/4 BSPT(M)
PTR33-1208	1/2 BSPT(F)	3/4 BSPT(M)
PTR33-1606	3/8 BSPT(F)	1 BSPT(M)
PTR33-1608	1/2 BSPT(F)	1 BSPT(M)
PTR33-1612	3/4 BSPT(F)	1 BSPT(M)
PTR33-2008	1/2 BSPT(F)	1-1/4 BSPT(M)
PTR33-2012	3/4 BSPT(F)	1-1/4 BSPT(M)
PTR33-2016	1 BSPT(F)	1-1/4 BSPT(M)
PTR33-2416	1 BSPT(F)	1-1/2 BSPT(M)
PTR33-2420	1-1/4 BSPT(F)	1-1/2 BSPT(M)
PTR33-3216	1 BSPT(F)	2 BSPT(M)
PTR33-3220	1-1/4 BSPT(F)	2 BSPT(M)
PTR33-3224	1-1/2 BSPT(F)	2 BSPT(M)



**Npt
Reducing Bush**

PART NUMBER	THREAD	THREAD
PTR-0402	1/8 NPT(F)	1/4 NPT(M)
PTR-0602	1/8 NPT(F)	3/8 NPT(M)
PTR-0604	1/4 NPT(F)	3/8 NPT(M)
PTR-0802	1/8 NPT(F)	1/2 NPT(M)
PTR-0804	1/4 NPT(F)	1/2 NPT(M)
PTR-0806	3/8 NPT(F)	1/2 NPT(M)
PTR-1204	1/4 NPT(F)	3/4 NPT(M)
PTR-1206	3/8 NPT(F)	3/4 NPT(M)
PTR-1208	1/2 NPT(F)	3/4 NPT(M)
PTR-1606	3/8 NPT(F)	1 NPT(M)
PTR-1608	1/2 NPT(F)	1 NPT(M)
PTR-1612	3/4 NPT(F)	1 NPT(M)
PTR-2012	3/4 NPT(F)	1-1/4 NPT(M)
PTR-2016	1 NPT(F)	1-1/4 NPT(M)
PTR-2416	1 NPT(F)	1-1/2 NPT(M)
PTR-2420	1-1/4 NPT(F)	1-1/2 NPT(M)
PTR-3224	1-1/2 NPT(F)	2 NPT(M)



**JIC
Reducer**

PART NUMBER	THREAD	THREAD
TRTXN-0504	1/2 JIC(F)	7/16 JIC(M)
TRTXN-0604	9/16 JIC(F)	7/16 JIC(M)
TRTXN-0804	3/4 JIC(F)	7/16 JIC(M)
TRTXN-0806	3/4 JIC(F)	9/16 JIC(M)
TRTXN-1004	7/8 JIC(F)	7/16 JIC(M)
TRTXN-1006	7/8 JIC(F)	9/16 JIC(M)
TRTXN-1008	7/8 JIC(F)	3/4 JIC(M)
TRTXN-1204	1-1/16 JIC(F)	7/16 JIC(M)
TRTXN-1206	1-1/16 JIC(F)	9/16 JIC(M)
TRTXN-1208	1-1/16 JIC(F)	3/4 JIC(M)
TRTXN-1210	1-1/16 JIC(F)	7/8 JIC(M)
TRTXN-1410	1-3/16 JIC(F)	7/8 JIC(M)
TRTXN-1412	1-3/16 JIC(F)	1-1/16 JIC(M)
TRTXN-1608	1-5/16 JIC(F)	3/4 JIC(M)
TRTXN-1610	1-5/16 JIC(F)	7/8 JIC(M)
TRTXN-1612	1-5/16 JIC(F)	1-1/16 JIC(M)
TRTXN-1614	1-5/16 JIC(F)	1-3/16 JIC(M)
TRTXN-2016	1-5/8 JIC(F)	1-5/16 JIC(M)



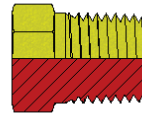
UNO Hex Plug

PART NUMBER	THREAD	THREAD
P50N-02		5/16 UN-O(M)
P50N-03		3/8 UN-O(M)
P50N-04		7/16 UN-O(M)
P50N-05		1/2 UN-O(M)
P50N-06		9/16 UN-O(M)
P50N-08		3/4 UN-O(M)
P50N-10		7/8 UN-O(M)
P50N-12		1-1/16 UN-O(M)
P50N-14		1-3/16 UN-O(M)
P50N-16		1-5/16 UN-O(M)
P50N-20		1-5/8 UN-O(M)
P50N-24		1-7/8 UN-O(M)
P50N-32		2-1/2 UN-O(M)



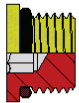
BSPP Hex Plug

PART NUMBER	THREAD	THREAD
PNMK4-02		1/8 BSPP(M)
PNMK4-04		1/4 BSPP(M)
PNMK4-06		3/8 BSPP(M)
PNMK4-08		1/2 BSPP(M)
PNMK4-12		3/4 BSPP(M)
PNMK4-16		1 BSPP(M)
PNMK4-20		1-1/4 BSPP(M)
PNMK4-24		1-1/2 BSPP(M)



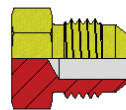
BSPT Hex Plug

PART NUMBER	THREAD	THREAD
HPM-02		1/8 BSPT(M)
HPM-04		1/4 BSPT(M)
HPM-06		3/8 BSPT(M)
HPM-08		1/2 BSPT(M)
HPM-12		3/4 BSPT(M)
HPM-16		1 BSPT(M)
HPM-20		1-1/4 BSPT(M)
HPM-24		1-1/2 BSPT(M)
HPM-32		2 BSPT(M)



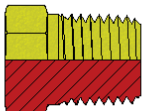
UNO Allen Key Drive

PART NUMBER	THREAD	THREAD
HP50N-02		5/16 UN-O(M)
HP50N-03		3/8 UN-O(M)
HP50N-04		7/16 UN-O(M)
HP50N-05		1/2 UN-O(M)
HP50N-06		9/16 UN-O(M)
HP50N-08		3/4 UN-O(M)
HP50N-10		7/8 UN-O(M)
HP50N-12		1-1/16 UN-O(M)
HP50N-14		1-3/16 UN-O(M)
HP50N-16		1-5/16 UN-O(M)
HP50N-20		1-5/8 UN-O(M)



JIC Hex Plug

PART NUMBER	THREAD	THREAD
PNTX-02		5/16 JIC(M)
PNTX-03		3/8 JIC(M)
PNTX-04		7/16 JIC(M)
PNTX-05		1/2 JIC(M)
PNTX-06		9/16 JIC(M)
PNTX-08		3/4 JIC(M)
PNTX-10		7/8 JIC(M)
PNTX-12		1-1/16 JIC(M)
PNTX-14		1-3/16 JIC(M)
PNTX-16		1-5/16 JIC(M)
PNTX-20		1-5/8 JIC(M)
PNTX-24		1-7/8 JIC(M)
PNTX-32		2-1/2 JIC(M)



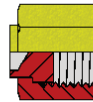
NPT Hex Plug

PART NUMBER	THREAD	THREAD
HP-02		1/8 NPT(M)
HP-04		1/4 NPT(M)
HP-06		3/8 NPT(M)
HP-08		1/2 NPT(M)
HP-12		3/4 NPT(M)
HP-16		1 NPT(M)
HP-20		1-1/4 NPT(M)



**ORFS
Hex Plug**

PART NUMBER	THREAD	THREAD
PNLO-04		9/16 ORFS(M)
PNLO-06		11/16 ORFS(M)
PNLO-08		13/16 ORFS(M)
PNLO-10		1 ORFS(M)
PNLO-12		1-3/16 ORFS(M)
PNLO-16		1-7/16 ORFS(M)
PNLO-20		1-11/16 ORFS(M)
PNLO-24		2 ORFS(M)



**ORFS
Cap**

PART NUMBER	THREAD	THREAD
FNL-04		9/16 ORFS(F)
FNL-06		11/16 ORFS(F)
FNL-08		13/16 ORFS(F)
FNL-10		1 ORFS(F)
FNL-12		1-3/16 ORFS(F)
FNL-16		1-7/16 ORFS(F)
FNL-20		1-11/16 ORFS(F)
FNL-24		2 ORFS(F)



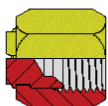
**BSPP
Cap**

PART NUMBER	THREAD	THREAD
FNMK4-02		1/8 BSPP(F)
FNMK4-04		1/4 BSPP(F)
FNMK4-06		3/8 BSPP(F)
FNMK4-08		1/2 BSPP(F)
FNMK4-12		3/4 BSPP(F)
FNMK4-16		1 BSPP(F)
FNMK4-20		1-1/4 BSPP(F)
FNMK4-24		1-1/2 BSPP(F)



**SAE
Nut**

PART NUMBER	THREAD	THREAD
WLN-04		7/16 JIC
WLN-06		9/16 JIC
WLN-08		3/4 JIC
WLN-10		7/8 JIC
WLN-12		1-1/16 JIC
WLN-16		1-5/16 JIC
WLN-20		1-5/8 JIC
WLN-24		1-7/8 JIC



**JIC
Cap**

PART NUMBER	THREAD	THREAD
FNTX-02		5/16 JIC(F)
FNTX-03		3/8 JIC(F)
FNTX-04		7/16 JIC(F)
FNTX-05		1/2 JIC(F)
FNTX-06		9/16 JIC(F)
FNTX-08		3/4 JIC(F)
FNTX-10		7/8 JIC(F)
FNTX-12		1-1/16 JIC(F)
FNTX-14		1-3/16 JIC(F)
FNTX-16		1-5/16 JIC(F)
FNTX-20		1-5/8 JIC(F)
FNTX-24		1-7/8 JIC(F)
FNTX-32		2-1/2 JIC(F)



**JIC
Sleeve Nut**

PART NUMBER	THREAD	THREAD
BTX-02		5/16 JIC(F)
BTX-03		3/8 JIC(F)
BTX-04		7/16 JIC(F)
BTX-05		1/2 JIC(F)
BTX-06		9/16 JIC(F)
BTX-08		3/4 JIC(F)
BTX-10		7/8 JIC(F)
BTX-12		1-1/16 JIC(F)
BTX-14		1-3/16 JIC(F)
BTX-16		1-5/16 JIC(F)
BTX-20		1-5/8 JIC(F)
BTX-24		1-7/8 JIC(F)

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HYDRAULIC DIVISION

Offers a full range of hydraulic components or systems to resellers, manufacturers and users of industrial and mobile machinery.

FILTRATION DIVISION

Supplies high quality filtration and clarification products, as well as providing customers with technical support and local availability.

FLUID CONNECTORS DIVISION

Hose, adaptors, hose fittings, tube fittings, quick release couplings, crimpers and associated fluid connector products for all applications.

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WORKSHOP MANUFACTURE AND REPAIR DIVISION

A full repair service is available for all fluid power equipment, either on site or in our own workshop. Skilled technicians with extensive experience are available to manufacture hydraulic and pneumatic systems from design concept through to the finished product.

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