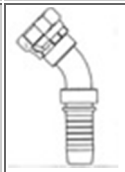
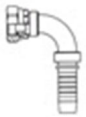
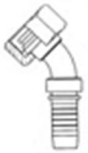
BSP				BSP MALE PARALLEL 60° CONE SEAT		BSP MALE TAPER		BSP FEMALE		BSP FEMALE 45° ELBOW		BSP FEMALE 90° ELBOW		BSP FEMALE INVERTED CONE (J.J.S)		BSP FEMALE INVERTED CONE (J.J.S) 45° ELBOW		BSP FEMALE INVERTED CONE (J.J.S) 90° ELBOW		BSP FEMALE '0' RING TYPE		BSP FEMALE '0' RING TYPE 45° ELBOW		BSP FEMALE '0' RING TYPE 90° ELBOW	
																									
	INCH	MM	DASH	FITTING THREAD SIZES																					
HOSE INTERNAL DIAMETER	3/16	4.8	-3	1/8 -28	-	1/8 -28	-	1/8 -28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1/4	6.4	-4	1/4 -19	3/8 -19	1/4 -19	3/8 -19	1/4 -19	3/8 -19	1/4 - 19	3/8 - 19	1/4 - 19	3/8 - 19	1/4 -19	-	1/4 -19	-	1/4 -19	-	1/4 -19	-	1/4 -19	-	1/4 -19	-
	5/16	7.9	-5	3/8 -19	-	3/8 -19	-	3/8 -19	-	3/8 - 19	-	3/8 - 19	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/8	9.5	-6	3/8 -19	1/2 -14	3/8 -19	1/2 -14	3/8 -19	1/2 -14	3/8 - 19	1/2 - 14	3/8 - 19	1/2 - 14	3/8 -19	-	3/8 -19	-	3/8 -19	-	3/8 -19	-	3/8 -19	-	3/8 -19	-
	1/2	12.7	-8	1/2 -14	5/8 -14	1/2 -14	-	1/2 -14	5/8 -14	1/2 - 14	-	1/2 - 14	-	1/2 -14	-	1/2 -14	-	1/2 -14	-	1/2 -14	-	1/2 -14	-	1/2 -14	-
	5/8	15.9	-10	5/8 -14	3/4 -14	3/4 -14	-	5/8 -14	3/4 -14	5/8 - 14	3/4 - 14	5/8 - 14	3/4 - 14	5/8 -14	-	5/8 -14	-	5/8 -14	-	5/8 -14	-	-	-	-	-
	3/4	19.0	-12	3/4 -14	1-11	3/4 -14	-	3/4 -14	1-11	3/4 - 14	-	3/4 - 14	-	3/4 -14	-	3/4 -14	-	3/4 -14	-	3/4 -14	-	3/4 -14	-	3/4 -14	-
	1	25.4	-16	1- 11	1 1/4 -11	1-11	-	1- 11	1 1/4	1- 11	-	1- 11	-	1- 11	-	1- 11	-	1- 11	-	1- 11	-	1- 11	-	1- 11	-

								-11																	
1 1/4	31.8	-20	1 1/4 -11	-	1 1/4 -11	-	1 1/4 -11	-	1 1/4 - 11	-	1 1/4 - 11	-	-	-	-	-	-	-	-	-	-	-	1 1/4 -11	-
1 1/2	38.1	-24	1 1/2 -11	-	1 1/2 -11	-	1 1/2 -11	-	1 1/2 - 11	-	1 1/2 - 11	-	-	-	-	-	-	-	-	-	-	-	1 1/2 -11	-
2	50.8	-32	2 - 11	-	2 - 11	-	2 - 11	-	2 - 11	-	2 - 11	-	-	-	-	-	-	-	-	-	-	-	2 - 11	-

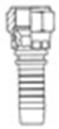
METRIC

	INCH	MM	DASH	STAND PIPE METRIC (LT) STRAIGHT DIN-2353		STAND PIPE METRIC (LT) 90° ELBOW DIN-2353		STAND PIPE METRIC (HT) STRAIGHT DIN-2353		STAND PIPE METRIC (HT) 90° ELBOW DIN-2353		CEL - MALE (LIGHT)		CES - MALE (HEAVY)		DKL - METRIC FEMALE		DKL - METRIC FEMALE 45° ELBOW		DKL - METRIC FEMALE 90° ELBOW		DKO - L METRIC FEMALE		DKO - L METRIC FEMALE 45° ELBOW	
				FITTING THREAD SIZES																					
HOSE INTERNAL DIAMETER	3/16	4.8	-3	6	-	-	-	8	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1/4	6.4	-4	6	8	6	8	8 10	12	8 10	12	M12 x1.5 M14 x1.5	M16 x1.5	M16 x1.5	M18 x1.5	M14 x1.5 M16 x1.5	M18 x1.5	M14 x1.5 M16 x1.5	M18 x1.5	M14 x1.5 M16 x1.5	M18 x1.5	M14 x1.5 M16 x1.5	M18 x1.5	M14 x1.5	M16 x1.5
	5/16	7.9	-5	10	-	10	-	12	-	12	-	M16 x1.5	M18 x1.5	M20 x1.5	-	M16 x1.5	-	M16 x1.5	-	M16 x1.5	-	M16 x1.5	M18 x1.5	M16 x1.5	M18 x1.5
	3/8	9.5	-6	10 12	15	10	12	14	-	14	-	M16 x1.5 M18 x1.5	M22 x1.5	M20 x1.5	M22 x1.5	M18 x1.5	M22 x1.5	M18 x1.5	M22 x1.5	M18 x1.5	M22 x1.5	M18 x1.5	M22 x1.5	M18 x1.5	M22 x1.5
	1/2	12.7	-8	12 15	18	15	18	14	16	14	16	M22 x1.5	M26 x1.5	M24 x1.5	-	M22 x1.5	-	M22 x1.5	-	M22 x1.5	-	M22 x1.5	M26 x1.5	M22 x1.5	M26 x1.5
	5/8	15.9	-10	18	22	18	22	20	-	20	-	M26 x1.5	-	M30x2	-	M26 x1.5	-	M26 x1.5	-	M26 x1.5	-	M26 x1.5	-	M26 x1.5	-
	3/4	19.0	-12	22	-	22	-	20	25	20	25	M30x2	-	M30x2	M36x2	M30x2	-	M30x2	-	M30x2	-	M30x2	M36x2	M30x2	M36X2
	1	25.4	-16	28	-	28	-	25	30	25	30	M36x2	-	M42x2	-	-	-	-	-	-	-	M36x2	-	M36x2	-
	1 1/4	31.8	-20	35	-	-	-	38	-	-	-	M45x2	-	M52x2	-	-	-	-	-	-	-	M45x2	-	M45x2	-
	1 1/2	38.1	-24	42	-	-	-	-	-	-	-	M52x2	-	-	-	-	-	-	-	-	-	M52x2	-	M52x2	-
	2	50.8	-32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

METRIC

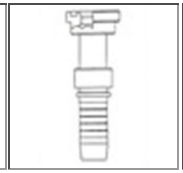
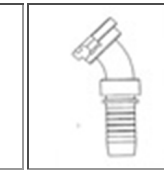
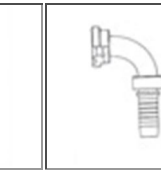
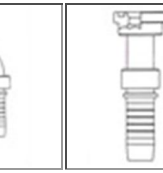
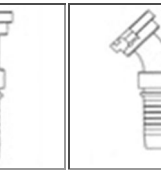
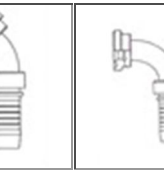
	INCH	MM	DASH	DKO - L METRIC FEMALE 90° ELBOW		DKS- METRIC FEMALE		DKS- METRIC FEMALE 45° ELBOW		DKS- METRIC FEMALE 90° ELBOW		DKO - S METRIC FEMALE		DKO - S METRIC FEMALE 45° ELBOW		DKO - S METRIC FEMALE 90° ELBOW		KOMATSU METRIC FEMALE INVERTED CONE		METRIC BANJO		BSP - BANJO	
																							
				FITTING THREAD SIZES																			
HOSE INTERNAL DIAMETER	3/16	4.8	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.8 13.3	16.8
	1/4	6.4	-4	M14 x1.5	M16 x1.5	M16 x1.5	M18 x1.5	M16 x1.5	M18 x1.5	M16 x1.5	M18 x1.5	M16 x1.5	M18 x1.5	M16 x1.5	M18 x1.5	M16 x1.5	M18 x1.5	M14 x1.5	-	12.1	-	-	-
	5/16	7.9	-5	M16 x1.5	M18 x1.5	M20 x1.5	-	M20 x1.5	-	M20 x1.5	-	M20 x1.5	-	M20 x1.5	-	M20 x1.5	-	-	-	12.1	14	16.8	-
	3/8	9.5	-6	M18 x1.5	M22 x1.5	M20 x1.5	M22 x1.5	M20 x1.5	M22 x1.5	M20 x1.5	M22 x1.5	M20 x1.5	M22 x1.5	M20 x1.5	M22 x1.5	M20 x1.5	M22 x1.5	M18 x1.5	-	14	16.1	21	-
	1/2	12.7	-8	M22 x1.5	M26 x1.5	M24 x1.5	-	M24 x1.5	-	M24 x1.5	-	M24 x1.5	-	M24 x1.5	-	M24 x1.5	-	M22 x1.5	-	18	-	-	-
	5/8	15.9	-10	M26 x1.5	-	M30x2	-	M30x2	-	M30x2	-	M30x2	-	M30x2	-	M30x2	-	M24 x1.5	-	18	-	26.5	-
	3/4	19.0	-12	M30x2	M36x2	M30x2	M36x2	M30x2	M36x2	M30x2	M36x2	M36x2	-	M36x2	-	M36x2	-	M30 x1.5	-	-	-	-	-
	1	25.4	-16	M36x2	-	M42x2	-	M42x2	-	M42x2	-	M42x2	-	M42x2	-	M42x2	-	M33 x1.5	-	-	-	-	-
	1 1/4	31.8	-20	M45x2	-	M52x2	-	M52x2	-	M52x2	-	M52x2	-	M52x2	-	M52x2	-	M36 x1.5	-	-	-	-	-
	1 1/2	38.1	-24	M52x2	-	-	-	-	-	-	-	-	-	-	-	-	-	M42 x1.5	-	-	-	-	-
	2	50.8	-32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ORF & JIC/SAE

				ORFS MALE		ORFS FEMALE		ORFS FEMALE 45° ELBOW		ORFS FEMALE 90° ELBOW		JIC MALE		JIC FEMALE		JIC FEMALE 45° ELBOW		JIC FEMALE 90° ELBOW		NTP MALE		SAE FEMALE	
																							
	INCH	MM	DASH	FITTING THREAD SIZES																			
HOSE INTERNAL DIAMETER	3/16	4.8	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/8 -27	-	-	-
	1/4	6.4	-4	-	-	9/16 -18	11/16 -16	9/16 -18	11/16 - 16	9/16 -18	11/16 - 16	1/2 -20	7/16 - 20	1/2 -20	7/16 - 20	1/2 -20	7/16 - 20	1/2 -20	7/16 - 20	1/4 -18	3/8 -18	7/16 -20	-
	5/16	7.9	-5	-	-	11/16 -16	-	-	-	-	-	9/16 -18	-	9/16 -18	-	9/16 -18	-	9/16 -18	-	3/8 -18	-	5/8 -18	-
	3/8	9.5	-6	11/16 -16	-	11/16 -16	13/16 -16	11/16 -16	13/16 - 16	11/16 -16	13/16 - 16	3/4 -16	9/16 -18	3/4 -16	9/16 -18	3/4 -16	9/16 -18	3/4 -16	9/16 -18	3/8 -18	1/2 -14	5/8 -18	-
	1/2	12.7	-8	13/16 -16	-	13/16 -16	1 - 14	13/16 -16	1 - 14	13/16 -16	1 - 14	7/8 -14	3/4 -16	7/8 -14	3/4 -16	7/8 -14	3/4 -16	7/8 -14	3/4 -16	1/2 -14	-	3/4 -16	-
	5/8	15.9	-10	-	-	1 - 14	-	1 - 14	-	1 - 14	-	1 1/16 -12	7/8 -14	1 1/16 -12	7/8 -14	1 1/16 -12	7/8 -14	1 1/16 -12	7/8 -14	3/4 -14	-	-	-
	3/4	19.0	-12	1 3/16 -12	-	1 3/16 -12	1 7/16 -12	1 3/16 -12	1 7/16 -12	1 3/16 -12	1 7/16 -12	1 1/16 -12	1 5/16 -12	1 1/16 -12	1 5/16 -12	1 1/16 -12	1 5/16 -12	1 1/16 -12	-	3/4 -14	-	-	-
	1	25.4	-16	1 7/16 -12	-	1 7/16 -12	-	1 7/16 -12	-	1 7/16 -12	-	1 5/16 -12	-	1 5/16 -12	-	1 5/16 -12	-	1 5/16 -12	-	1-11 1/2	-	-	-
	1 1/4	31.8	-20	-	-	1 11/16 -12	-	1 11/16 -12	-	1 11/16 -12	-	1 5/8 -12	-	1 5/8 -12	-	1 5/8 -12	-	1 5/8 -12	-	1 1/4 -11 1/2	-	-	-
	1 1/2	38.1	-24	-	-	-	-	-	-	-	-	1 7/8	-	1 7/8	-	1 7/8	-	1 7/8	-	1 1/2 -11 1/2	-	-	-

												-12		-12		-12		-12					
	2	50.8	-32	-	-	-	-	-	-	-	-	2 1/2 -12	-	2 1/2 -12	-	2 1/2 -12	-	2 1/2 -12	-	2-11 1/2	-	-	-

FLANGES

				SAE 3000 PSI (CODE - 61)		SAE 3000 PSI (CODE - 61) 45° ELBOW		SAE 3000 PSI (CODE - 61) 90° ELBOW		SAE 6000 PSI (CODE - 62)		SAE 6000 PSI (CODE - 62) 45° ELBOW		SAE 6000 PSI (CODE - 62) 90° ELBOW		KOMATSU STANDARD PRESSURE		KOMATSU STANDARD PRESSURE 45° ELBOW		KOMATSU STANDARD PRESSURE 90° ELBOW		KOMATSU HIGH PRESSURE		KOMATSU HIGH PRESSURE 45° ELBOW		KOMATSU HIGH PRESSURE 90° ELBOW	
																											
	INCH	MM	DASH	FITTING THREAD SIZES																							
HOSE INTERNAL DIAMETER	1/2	12.7	-8	30.18 (-8)	30.10 (-12)	30.18 (-8)	30.10 (-12)	30.18 (-8)	30.10 (-12)	31.75 (-8)	-	31.75 (-8)	-	31.75 (-8)	-	30.2 (-8)	-	30.2 (-8)	-	30.2 (-8)	-	-	-	-	-	-	-
	5/8	15.9	-10	-	-	-	-	-	-	-	-	-	-	-	-	34.2 (-10)	-	34.2 (-10)	-	34.2 (-10)	-	-	-	-	-	-	-
	3/4	19.0	-12	30.10 (-12)	44.45 (-16)	30.10 (-12)	44.45 (-16)	30.10 (-12)	44.45 (-16)	41.28 (-12)	31.75 (-16)	41.28 (-12)	31.75 (-16)	41.28 (-12)	31.75 (-16)	38.1 (-12)	-	38.1 (-12)	-	38.1 (-12)	-	-	-	-	-	-	-
	1	25.4	-16	44.45 (-16)	50.80 (-20)	44.45 (-16)	50.80 (-20)	44.45 (-16)	50.80 (-20)	47.63 (-16)	41.28 (-12)	47.63 (-16)	41.28 (-12)	47.63 (-16)	41.28 (-12)	44.5 (-16)	-	44.5 (-16)	-	44.5 (-16)	-	-	-	-	-	-	-
	1 1/4	31.8	-20	50.80 (-20)	60.33 (-24)	50.80 (-20)	60.33 (-24)	50.80 (-20)	60.33 (-24)	53.98 (-20)	63.50 (-24)	53.98 (-20)	63.50 (-24)	53.98 (-20)	63.50 (-24)	50.8 (-20)	-	50.8 (-20)	-	50.8 (-20)	-	54 (-20)	-	54 (-20)	-	54 (-20)	-
	1 1/2	38.1	-24	60.33 (-24)	-	60.33 (-24)	-	60.33 (-24)	-	63.50 (-24)	-	63.50 (-24)	-	63.50 (-24)	-	60.3 (-24)	-	60.3 (-24)	-	60.3 (-24)	-	63.5 (-24)	-	63.5 (-24)	-	63.5 (-24)	-
	2	50.8	-32	71.42 (-32)	-	71.42 (-32)	-	71.42 (-32)	-	79.38 (-32)	-	79.38 (-32)	-	79.38 (-32)	-	71.4 (-32)	-	71.4 (-32)	-	71.4 (-32)	-	79.4 (-32)	-	79.4 (-32)	-	79.4 (-32)	-