



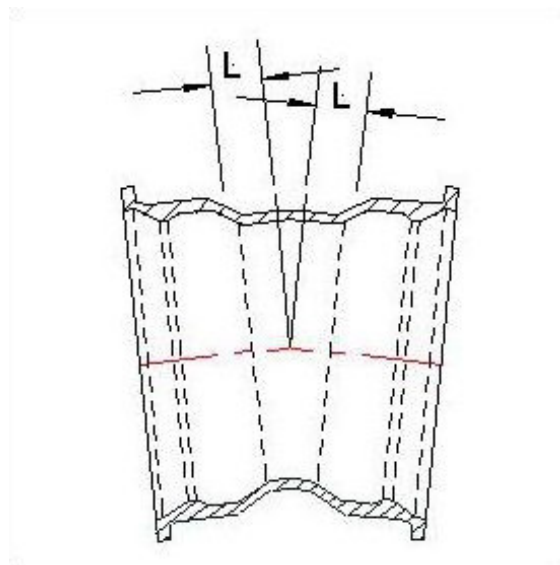
AL SAAD CO

ENGINEERING CONSULTING

MJ Joints Fittings

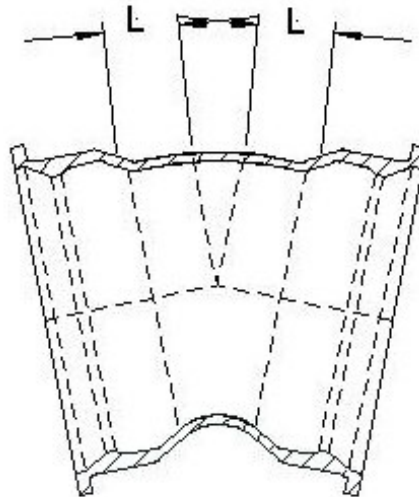
11¼° Double MJ Socket Bend (Class K12)

Nominal Bore	Dimensions	Weight	
	Series B	Epoxy	Lined
mm	L mm	Kgs.	Kgs.
80	30	11	12
100	30	13	14
125	35	19	20
150	40	21	22
200	45	27	29
250	55	36	38
300	55	58	61
400	65	87	92



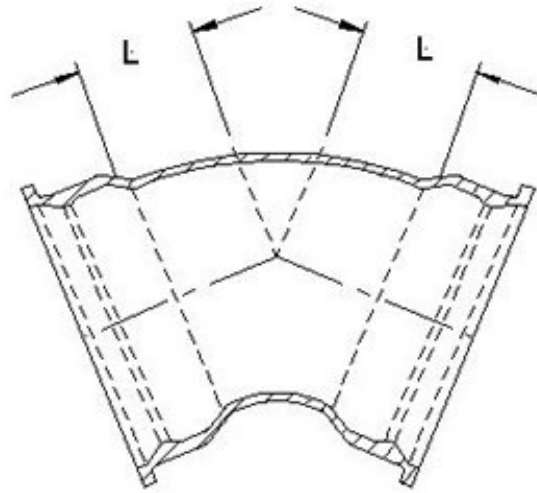
22½° Double MJ Socket Bend (Class K12)

Nominal Bore	Dimensions	Weight	
	Series B	Epoxy	Lined
mm	L mm	Kgs.	Kgs.
80	40	11	12
100	50	13	14
125	55	20	21
150	60	23	24
200	70	30	32
250	80	38	40
300	90	58	61
400	110	93	98



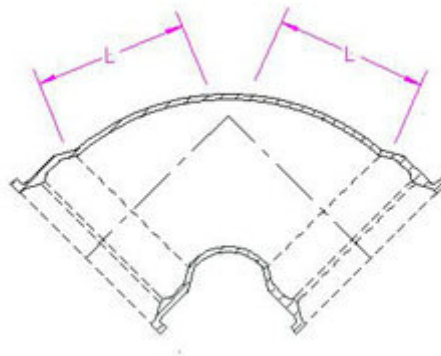
45° Double MJ Socket Bend (Class K12)

Nominal Bore mm	Dimensions	Weight	
	Series B L mm	Epoxy Kgs.	Lined Kgs.
80	50	12	13
100	60	14	15
125	65	22	23
150	70	24	26
200	80	30	32
250	135	43	45
300	155	60	63
400	195	123	128



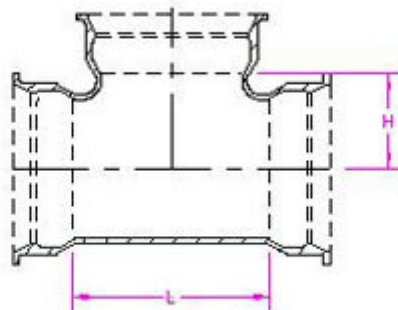
90° Double MJ Socket Bend (Class K12)

Nominal Bore mm	Dimensions	Weight	
	Series B L mm	Epoxy Kgs.	Lined Kgs.
80	85	12	13
100	100	14	15
125	115	25	26
150	130	26	28
200	160	35	37
250	240	52	54
300	280	68	71
400	420	164	169



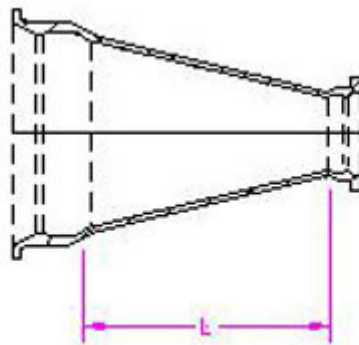
All M J Socket Tee. Series B (Class K14)

Nominal Bore		Dimensions		Weight	
Body	Branch			Epoxy	Lined
mm	mm	L mm	H mm	Kgs.	Kgs.
80	80	175	85	20	21
100	80	165	90	22	23
100	100	195	100	26	27
125	80	175	185	30	31
125	100	195	195	31	32
125	125	225	200	32	33
150	80	180	120	32	33
150	100	200	125	33	35
150	150	260	130	35	38
200	80	180	145	41	43
200	100	200	150	43	45
200	150	260	155	50	52
200	200	320	160	57	59
250	80	185	185	55	58
250	100	205	190	56	59
250	150	265	190	67	70
250	200	320	190	71	74
250	250	380	190	80	83
300	80	220	235	71	74
300	100	210	220	72	75
300	150	265	220	87	91
300	200	325	220	88	92
300	250	380	220	105	109
300	300	440	220	112	116
400	150	340	290	125	129
400	300	575	295	153	157
400	400	575	285	197	202



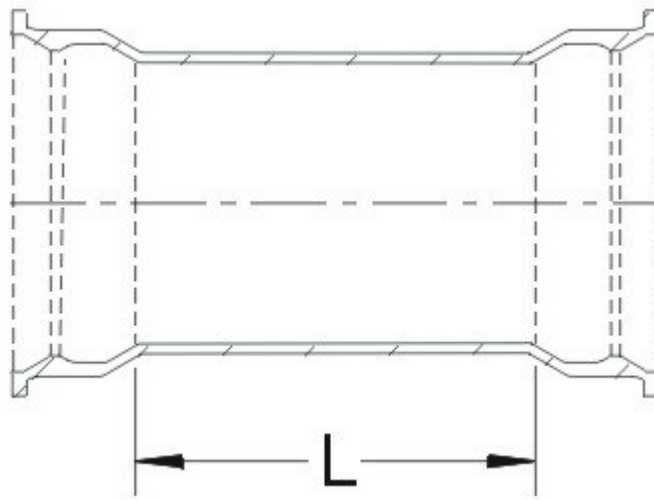
Double MJ Socket Taper (Class K12)

Tapering		Dimensions	Weight	
From	To		Epoxy	Lined
mm	mm	L mm	Kgs.	Kgs.
100	80	85	12	13
125	100	120	18	19
150	100	150	18	20
200	150	145	27	29
250	200	150	40	42
300	250	150	53	56
400	300	260	88	92



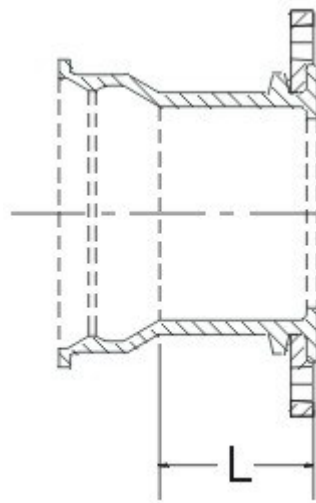
MJ Double Socket Collar (Class K12)

Nominal Bore	Dimensions	Weight	
		Epoxy	Lined
mm	L mm	Kgs.	Kgs.
80	160	12	13
100	160	16	17
125	165	24	26
150	165	25	27
200	170	31	33
250	175	41	44
300	180	53	56
400	190	94	98



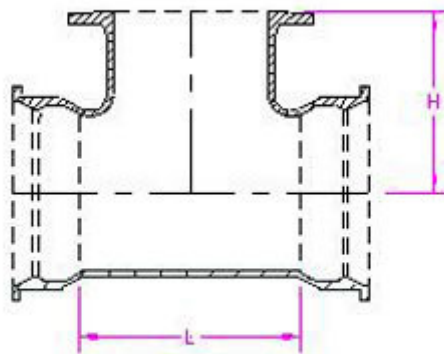
Rotating Flange MJ Socket Piece (Class K12)

Nominal Bore mm	Dimensions L mm	Weight	
		Epoxy Kgs.	Lined Kgs.
80	130	9	10
100	130	11	12
125	135	18	19
150	135	20	21
200	140	23	25
250	145	32	34
300	150	38	40
400	160	71	75



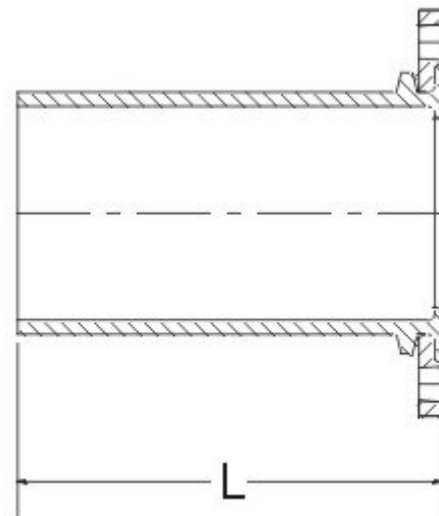
Rotating Flange on Double MJ Socket Tee (Class K14)

Nominal Bore		Dimensions		Weight	
Body	Branch			Epoxy	Lined
mm	mm	L mm	H mm	Kgs.	Kgs.
80	80	175	165	17	18
100	80	165	170	19	20
100	100	195	180	20	21
125	80	175	185	28	29
125	100	195	195	30	31
125	125	225	200	33	34
150	80	180	200	29	30
150	100	200	205	30	32
150	150	260	220	35	37
200	80	180	225	35	37
200	100	200	230	36	38
200	150	260	245	42	44
200	200	320	280	47	49
250	80	180	265	46	49
250	100	205	270	48	51
250	150	265	280	54	57
250	200	320	290	57	60
250	250	380	300	65	68
300	80	185	295	70	73
300	100	210	300	71	74
300	150	265	310	84	88
300	200	325	320	87	91
300	250	380	330	103	107
300	300	440	340	109	113
400	150	270	370	107	111
400	300	440	400	129	131
400	400	560	420	180	185



Rotating Flange Spigot Piece (Class K12)

Nominal Bore	Dimensions	Weight	
		Epoxy	Lined
mm	L mm	Kgs	Kgs.
80	350	8	9
100	360	10	11
150	380	16	17
200	400	23	25
250	420	33	35
300	440	45	48



Joining Procedure - Mechanical Joint

- 1) Joint Preparation
 - a. Care must be taken to ensure that after cutting the pipe end is not oval.
 - b. All spigot ends must be chamfered prior to assembly.
 - c. Clean both the spigot end of the pipe and the inside of the socket prior to assembly.

Size NB mm	No. of Bolts Per Socket
80	3
100	3
125	4
150	4
200	5
250	6
300	7
400	9

Number of bolts per joint by nominal bore

- 2) Joining
 - Push the gland over the spigot and position approximately 300mm from the end of the spigot.
 - Fit the gasket over the spigot approximately 150mm from the end of the spigot.
 - Support the pipe just clear of the bottom of the trench.
 - Insert the spigot into the socket of the fitting.
 - Press the gasket into its seating in the socket.
 - Ensure the gasket is centralized.
 - Tap the gasket taking care not damage any coatings.
 - Lubricate the visible face of the gasket.
 - Slip the gland ring up against the gasket face.
 - Rotate to locate the bolts into the lugs.
 - Lubricate threads of the bolts and hand tighten nuts.
 - progressively tighten nuts in the recommended sequence, to the recommended torque.
 - The recommended bolt torque is 150Nm (110lb ft)



This figure shows a pipe being joined to a Rotating Flange & MJ Socket piece.