

DIN Price List - Effective 8/2/21

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*Tapered bell allows 80-100
degree pipe deflection*

90-Degree Bend (1/4 Turn)...80-100 deflection

Model No.	Description	Wt. Kg.	List Price
DSB-690B	63, 90 Bend	2	\$85.00
DSB-790B	75, 90 Bend	4	\$92.00
DSB-990B	90, 90 Bend	5	\$120.00
DSB-1190B	110, 90 Bend	10	\$142.00
DSB-1690B	160, 90 Bend	16	\$306.00
DSB-2090B	200, 90 Bend	28	\$488.00
DSB-2290B	225, 90 Bend	32	\$598.00
DSB-2590B	250, 90 Bend	44	\$527.00
DSB-2890B	280, 90 Bend	51	\$737.00
DSB-3290B	315, 90 Bend	62	\$754.00
DSB-4090B	400, 90 Bend	100	\$1,197.00



*Tapered bell allows 12-32
degree pipe deflection*

22-Degree Bend (1/16 Turn)...12-32 deflection

Model No.	Description	Wt. Kg.	List Price
DSB-722B	75, 22 Bend	4	\$86.00
DSB-922B	90, 22 Bend	5	\$107.00
DSB-1122B	110, 22 Bend	9	\$130.00
DSB-1622B	160, 22 Bend	13	\$202.00
DSB-2022B	200, 22 Bend	24	\$363.00
DSB-2222B	225, 22 Bend	28	\$415.00
DSB-2522B	250, 22 Bend	40	\$569.00
DSB-2822B	280, 22 Bend	47	\$699.00
DSB-3222B	315, 22 Bend	57	\$831.00
DSB-4022B	400, 22 Bend	95	\$1,132.00

NOTE: Because fittings can be made in a variety of configurations, they are not all listed. For the unlisted items, please contact Leemco.



*Tapered bell allows 35-55
degree pipe deflection*

45-Degree Bend (1/8 Turn)...35-55 deflection

Model No.	Description	Wt. Kg.	List Price
DSB-645B	63, 45 Bend	2	\$85.00
DSB-745B	75, 45 Bend	4	\$92.00
DSB-945B	90, 45 Bend	5	\$107.00
DSB-1145B	110, 45 Bend	9	\$132.00
DSB-1645B	160, 45 Bend	15	\$237.00
DSB-2045B	200, 45 Bend	26	\$373.00
DSB-2245B	225, 45 Bend	30	\$465.00
DSB-2545B	250, 45 Bend	42	\$582.00
DSB-2845B	280, 45 Bend	49	\$691.00
DSB-3245B	315, 45 Bend	59	\$691.00
DSB-4045B	400, 45 Bend	97	\$1,149.00



*Tapered bell allows 1-21
degree pipe deflection*

11-Degree Bend (1/32 Turn)...1-21 deflection

Model No.	Description	Wt. Kg.	List Price
DSB-1611B	160, 11 Bend	11	\$251.00
DSB-2011B	200, 11 Bend	16	\$361.00
DSB-2511B	250, 11 Bend	32	\$728.00
DSB-3211B	315, 11 Bend	41	\$883.00



Coupling (not suited for repairs)

Model No.	Description	Wt. Kg.	List Price
DSB-77C	75, Coupling	4	\$75.00
DSB-99C	90, Coupling	5	\$141.00
DSB-1111C	110, Coupling	10	\$157.00
DSB-1616C	160, Coupling	18	\$211.00
DSB-2020C	200, Coupling	21	\$306.00
DSB-2222C	225, Coupling	24	\$314.00
DSB-2525C	250, Coupling	31	\$589.00
DSB-2828C	280, Coupling	36	\$598.00
DSB-3232C	315, Coupling	46	\$655.00
DSB-4040C	400, Coupling	80	\$1,039.00



Furnished with DB Adapter (Page 10)

Service Tee (Tapped Tee)

Model No.	Description	Wt. Kg.	List Price
DSB-65ST	63 x 50 Service Tee	3	\$66.00
DSB-66ST	63 x 63 Service Tee	3	\$70.00
DSB-75ST	75 x 50 Service Tee	4	\$85.00
DSB-76ST	75 x 63 Service Tee	4	\$91.00
DSB-95ST	90 x 50 Service Tee	5	\$153.00
DSB-96ST	90 x 63 Service Tee	5	\$157.00
DSB-115ST	110 x 50 Service Tee	10	\$171.00
DSB-116ST	110 x 63 Service Tee	10	\$176.00
DSB-117ST	110 x 75 Service Tee	10	\$180.00
DSB-119ST	110 x 90 Service Tee	10	\$182.00
DSB-165ST	160 x 50 Service Tee	13	\$238.00
DSB-166ST	160 x 63 Service Tee	13	\$241.00
DSB-167ST	160 x 75 Service Tee	13	\$244.00
DSB-169ST	160 x 90 Service Tee	13	\$249.00
DSB-205ST	200 x 50 Service Tee	22	\$340.00
DSB-206ST	200 x 63 Service Tee	22	\$343.00
DSB-207ST	200 x 75 Service Tee	22	\$349.00
DSB-209ST	200 x 90 Service Tee	22	\$351.00
DSB-226ST	225 x 63 Service Tee	26	\$471.00
DSB-229ST	225 x 90 Service Tee	26	\$480.00
DSB-255ST	250 x 50 Service Tee	31	\$662.00
DSB-256ST	250 x 63 Service Tee	31	\$669.00
DSB-257ST	250 x 75 Service Tee	31	\$671.00
DSB-259ST	250 x 90 Service Tee	31	\$673.00
DSB-286ST	280 x 63 Service Tee	34	\$682.00
DSB-289ST	280 x 90 Service Tee	34	\$691.00
DSB-325ST	315 x 50 Service Tee	46	\$699.00
DSB-326ST	315 x 63 Service Tee	46	\$703.00
DSB-327ST	315 x 75 Service Tee	46	\$708.00
DSB-329ST	315 x 90 Service Tee	46	\$710.00
DSB-405ST	400 x 50 Service Tee	81	\$827.00
DSB-406ST	400 x 63 Service Tee	81	\$1,088.00
DSB-407ST	400 x 75 Service Tee	81	\$1,094.00
DSB-409ST	400 x 90 Service Tee	81	\$1,097.00

NOTE: Because fittings can be made in a variety of configurations, they are not all listed. For the unlisted items, please contact Leemco.



Category A

The last digit is the branch outlet

Bell x Bell x Bell Tee

Model No.	Description	Wt. Kg.	List Price
DSB-666T	63 x 63 x 63 Tee	5	\$157.00
DSB-667T	63 x 63 x 75 Tee	7	\$293.00
DSB-669T	63 x 63 x 90 Tee	11	\$371.00
DSB-6611T	63 x 63 x 110 Tee	12	\$619.00
DSB-766T	75 x 63 x 63 Tee	10	\$290.00
DSB-767T	75 x 63 x 75 Tee	8	\$203.00
DSB-769T	75 x 63 x 90 Tee	10	\$402.00
DSB-776T	75 x 75 x 63 Tee	8	\$203.00
DSB-777T	75 x 75 x 75 Tee	5	\$117.00
DSB-779T	75 x 75 x 90 Tee	6	\$213.00
DSB-7711T	75 x 75 x 110 Tee	7	\$446.00
DSB-966T	90 x 63 x 63 Tee	11	\$384.00
DSB-967T	90 x 63 x 75 Tee	14	\$425.00
DSB-969T	90 x 63 x 90 Tee	9	\$285.00
DSB-9611T	90 x 63 x 110 Tee	11	\$532.00
DSB-976T	90 x 75 x 63 Tee	14	\$425.00
DSB-977T	90 x 75 x 75 Tee	12	\$337.00
DSB-979T	90 x 75 x 90 Tee	8	\$285.00
DSB-9711T	90 x 75 x 110 Tee	11	\$532.00
DSB-996T	90 x 90 x 63 Tee	9	\$285.00
DSB-997T	90 x 90 x 75 Tee	9	\$285.00
DSB-999T	90 x 90 x 90 Tee	6	\$198.00
DSB-9911T	90 x 90 x 110 Tee	9	\$430.00
DSB-9916T	90 x 90 x 160 Tee	12	\$803.00
DSB-1166T	110 x 63 x 63 Tee	12	\$516.00
DSB-1167T	110 x 63 x 75 Tee	11	\$429.00
DSB-1169T	110 x 63 x 90 Tee	17	\$453.00
DSB-11611T	110 x 63 x 110 Tee	21	\$457.00
DSB-11616T	110 x 63 x 160 Tee	21	\$1,015.00
DSB-1177T	110 x 75 x 75 Tee	8	\$343.00
DSB-1179T	110 x 75 x 90 Tee	15	\$366.00
DSB-11711T	110 x 75 x 110 Tee	18	\$352.00
DSB-11716T	110 x 75 x 160 Tee	18	\$857.00
DSB-11720T	110 x 75 x 200 Tee	63	\$1,099.00
DSB-1196T	110 x 90 x 63 Tee	18	\$440.00
DSB-1197T	110 x 90 x 75 Tee	15	\$354.00
DSB-1199T	110 x 90 x 90 Tee	15	\$349.00
DSB-11911T	110 x 90 x 110 Tee	19	\$361.00
DSB-11916T	110 x 90 x 160 Tee	19	\$813.00
DSB-11920T	110 x 90 x 200 Tee	64	\$1,094.00
DSB-11116T	110 x 110 x 63 Tee	14	\$336.00
DSB-11117T	110 x 110 x 75 Tee	14	\$249.00
DSB-11119T	110 x 110 x 90 Tee	10	\$259.00
DSB-111111T	110 x 110 x 110 Tee	15	\$262.00



The last digit is the branch outlet

Bell x Bell x Bell Tee (continued)

Model No.	Description	Wt. Kg.	List Price
DSB-111116T	110 x 110 x 160 Tee	15	\$644.00
DSB-111120T	110 x 110 x 200 Tee	64	\$914.00
DSB-16611T	160 x 63 x 110 Tee	21	\$728.00
DSB-16616T	160 x 63 x 160 Tee	30	\$550.00
DSB-16620T	160 x 63 x 200 Tee	62	\$892.00
DSB-1679T	160 x 75 x 90 Tee	25	\$452.00
DSB-16711T	160 x 75 x 110 Tee	25	\$508.00
DSB-16716T	160 x 75 x 160 Tee	25	\$531.00
DSB-16720T	160 x 75 x 200 Tee	62	\$902.00
DSB-1699T	160 x 90 x 90 Tee	24	\$452.00
DSB-16911T	160 x 90 x 110 Tee	25	\$498.00
DSB-16916T	160 x 90 x 160 Tee	29	\$535.00
DSB-16920T	160 x 90 x 200 Tee	64	\$940.00
DSB-16922T	160 x 90 x 225 Tee	64	\$966.00
DSB-16116T	160 x 110 x 63 Tee	24	\$471.00
DSB-16117T	160 x 110 x 75 Tee	24	\$461.00
DSB-16119T	160 x 110 x 90 Tee	24	\$452.00
DSB-161111T	160 x 110 x 110 Tee	29	\$532.00
DSB-161116T	160 x 110 x 160 Tee	30	\$552.00
DSB-161120T	160 x 110 x 200 Tee	63	\$915.00
DSB-161122T	160 x 110 x 225 Tee	63	\$929.00
DSB-16166T	160 x 160 x 63 Tee	15	\$299.00
DSB-16167T	160 x 160 x 75 Tee	15	\$299.00
DSB-16169T	160 x 160 x 90 Tee	15	\$299.00
DSB-161611T	160 x 160 x 110 Tee	19	\$300.00
DSB-161616T	160 x 160 x 160 Tee	24	\$379.00
DSB-161620T	160 x 160 x 200 Tee	64	\$940.00
DSB-161622T	160 x 160 x 225 Tee	64	\$1,082.00
DSB-161625T	160 x 160 x 250 Tee	91	\$1,599.00
DSB-161628T	160 x 160 x 280 Tee	91	\$1,599.00
DSB-20611T	200 x 63 x 110 Tee	31	\$918.00
DSB-20616T	200 x 63 x 160 Tee	41	\$1,020.00
DSB-20620T	200 x 63 x 200 Tee	51	\$1,033.00
DSB-20711T	200 x 75 x 110 Tee	33	\$1,024.00
DSB-20716T	200 x 75 x 160 Tee	42	\$1,050.00
DSB-20720T	200 x 75 x 200 Tee	52	\$1,059.00
DSB-2099T	200 x 90 x 90 Tee	33	\$866.00
DSB-20911T	200 x 90 x 110 Tee	34	\$1,026.00
DSB-20916T	200 x 90 x 160 Tee	42	\$1,033.00
DSB-20920T	200 x 90 x 200 Tee	52	\$1,042.00
DSB-20117T	200 x 110 x 75 Tee	35	\$688.00
DSB-20119T	200 x 110 x 90 Tee	33	\$804.00
DSB-201111T	200 x 110 x 110 Tee	34	\$819.00



The last digit is the branch outlet

Category A

Bell x Bell x Bell Tee (continued)

Model No.	Description	Wt. Kg.	List Price
DSB-201116T	200 x 110 x 160 Tee	42	\$839.00
DSB-201120T	200 x 110 x 200 Tee	52	\$994.00
DSB-201125T	200 x 110 x 250 Tee	100	\$2,376.00
DSB-201132T	200 x 110 x 315 Tee	138	\$2,948.00
DSB-20169T	200 x 160 x 90 Tee	33	\$791.00
DSB-201611T	200 x 160 x 110 Tee	34	\$987.00
DSB-201616T	200 x 160 x 160 Tee	42	\$1,004.00
DSB-201620T	200 x 160 x 200 Tee	50	\$1,024.00
DSB-201625T	200 x 160 x 250 Tee	86	\$2,088.00
DSB-201632T	200 x 160 x 315 Tee	107	\$2,736.00
DSB-20206T	200 x 200 x 63 Tee	19	\$615.00
DSB-20207T	200 x 200 x 75 Tee	25	\$615.00
DSB-20209T	200 x 200 x 90 Tee	22	\$520.00
DSB-202011T	200 x 200 x 110 Tee	23	\$737.00
DSB-202016T	200 x 200 x 160 Tee	33	\$744.00
DSB-202020T	200 x 200 x 200 Tee	41	\$757.00
DSB-202025T	200 x 200 x 250 Tee	101	\$2,153.00
DSB-202032T	200 x 200 x 315 Tee	139	\$2,798.00
DSB-222222T	225 x 225 x 225 Tee	41	\$788.00
DSB-25911T	250 x 90 x 110 Tee	54	\$1,520.00
DSB-25916T	250 x 90 x 160 Tee	68	\$1,395.00
DSB-25920T	250 x 90 x 200 Tee	74	\$1,433.00
DSB-25925T	250 x 90 x 250 Tee	79	\$1,470.00
DSB-25932T	250 x 90 x 315 Tee	136	\$2,762.00
DSB-25119T	250 x 110 x 90 Tee	56	\$1,979.00
DSB-251111T	250 x 110 x 110 Tee	54	\$1,830.00
DSB-251116T	250 x 110 x 160 Tee	68	\$1,841.00
DSB-251120T	250 x 110 x 200 Tee	74	\$1,868.00
DSB-251125T	250 x 110 x 250 Tee	79	\$1,891.00
DSB-251128T	250 x 110 x 280 Tee	79	\$2,948.00
DSB-251132T	250 x 110 x 315 Tee	138	\$2,729.00
DSB-25169T	250 x 160 x 90 Tee	40	\$1,641.00
DSB-251611T	250 x 160 x 110 Tee	56	\$1,654.00
DSB-251616T	250 x 160 x 160 Tee	70	\$1,555.00
DSB-251620T	250 x 160 x 200 Tee	76	\$1,582.00
DSB-251625T	250 x 160 x 250 Tee	81	\$1,641.00
DSB-251632T	250 x 160 x 315 Tee	135	\$2,861.00
DSB-25209T	250 x 200 x 90 Tee	55	\$1,433.00
DSB-252011T	250 x 200 x 110 Tee	56	\$1,482.00
DSB-252016T	250 x 200 x 160 Tee	71	\$1,594.00
DSB-252020T	250 x 200 x 200 Tee	76	\$1,618.00
DSB-252025T	250 x 200 x 250 Tee	81	\$1,632.00
DSB-252032T	250 x 200 x 315 Tee	141	\$2,885.00



The last digit is the branch outlet

Bell x Bell x Bell Tee (continued)

Model No.	Description	Wt. Kg.	List Price
DSB-25259T	250 x 250 x 90 Tee	35	\$839.00
DSB-252511T	250 x 250 x 110 Tee	35	\$1,090.00
DSB-252616T	250 x 250 x 160 Tee	50	\$94.00
DSB-252520T	250 x 250 x 200 Tee	50	\$996.00
DSB-252525T	250 x 250 x 250 Tee	60	\$973.00
DSB-282828T	280 x 280 x 280 Tee	60	\$1,082.00
DSB-32925T	315 x 90 x 250 Tee	95	\$2,483.00
DSB-32932T	315 x 90 x 315 Tee	108	\$1,988.00
DSB-321116T	315 x 110 x 160 Tee	80	\$1,461.00
DSB-321120T	315 x 110 x 200 Tee	83	\$1,625.00
DSB-321125T	315 x 110 x 250 Tee	90	\$2,483.00
DSB-321132T	315 x 110 x 315 Tee	104	\$2,124.00
DSB-32169T	315 x 160 x 90 Tee	70	\$1,395.00
DSB-321611T	315 x 160 x 110 Tee	71	\$1,249.00
DSB-321616T	315 x 160 x 160 Tee	83	\$1,387.00
DSB-321620T	315 x 160 x 200 Tee	86	\$2,273.00
DSB-321625T	315 x 160 x 250 Tee	94	\$1,925.00
DSB-321632T	315 x 160 x 315 Tee	107	\$1,935.00
DSB-322011T	315 x 200 x 110 Tee	78	\$1,310.00
DSB-322016T	315 x 200 x 160 Tee	90	\$1,321.00
DSB-322020T	315 x 200 x 200 Tee	93	\$1,461.00
DSB-322025T	315 x 200 x 250 Tee	100	\$2,274.00
DSB-322032T	315 x 200 x 315 Tee	114	\$1,759.00
DSB-32259T	315 x 250 x 90 Tee	78	\$1,354.00
DSB-322511T	315 x 250 x 110 Tee	79	\$1,746.00
DSB-322516T	315 x 250 x 160 Tee	90	\$1,483.00
DSB-322520T	315 x 250 x 200 Tee	93	\$1,851.00
DSB-322525T	315 x 250 x 250 Tee	100	\$2,274.00
DSB-322532T	315 x 250 x 315 Tee	114	\$1,846.00
DSB-32329T	315 x 315 x 90 Tee	49	\$869.00
DSB-323211T	315 x 315 x 110 Tee	50	\$1,016.00
DSB-323216T	315 x 315 x 160 Tee	107	\$1,038.00
DSB-323220T	315 x 315 x 200 Tee	113	\$1,033.00
DSB-323225T	315 x 315 x 250 Tee	114	\$1,316.00
DSB-323232T	315 x 315 x 315 Tee	85	\$1,352.00
DSB-401040T	400 x 100 x 400 Tee	215	\$2,599.00
DSB-401632T	400 x 160 x 315 Tee	258	\$3,387.00
DSB-401640T	400 x 160 x 400 Tee	212	\$2,607.00
DSB-402032T	400 x 200 x 315 Tee	264	\$3,416.00
DSB-402040T	400 x 200 x 400 Tee	218	\$2,241.00
DSB-402525T	400 x 250 x 250 Tee	293	\$3,683.00
DSB-402532T	400 x 250 x 315 Tee	265	\$3,352.00

Category A

Bell x Bell x Bell Tee (continued)

Model No.	Description	Wt. Kg.	List Price
DSB-402540T	400 x 250 x 400 Tee	220	\$2,571.00
DSB-403211T	400 x 315 x 110 Tee	231	\$3,976.00
DSB-403216T	400 x 315 x 160 Tee	258	\$3,845.00
DSB-403220T	400 x 315 x 200 Tee	265	\$4,019.00
DSB-403225T	400 x 315 x 250 Tee	265	\$3,985.00
DSB-403232T	400 x 315 x 315 Tee	237	\$3,771.00
DSB-40409T	400 x 400 x 90 Tee	82	\$1,418.00
DSB-404011T	400 x 400 x 110 Tee	85	\$1,418.00
DSB-404016T	400 x 400 x 160 Tee	212	\$3,068.00
DSB-404020T	400 x 400 x 200 Tee	219	\$4,202.00
DSB-404025T	400 x 400 x 250 Tee	219	\$3,025.00
DSB-404032T	400 x 400 x 315 Tee	228	\$2,636.00
DSB-404040T	400 x 400 x 400 Tee	145	\$1,720.00



Bell x Bell (Concentric) Reducer

Model No.	Description	Wt. Kg.	List Price
DSB-76R	75 x 63 Bell x Bell Red.	5	\$159.00
DSB-96R	90 x 63 Bell x Bell Red.	8	\$186.00
DSB-97R	90 x 75 Bell x Bell Red.	8	\$208.00
DSB-116R	110 x 63 Bell x Bell Red.	14	\$395.00
DSB-117R	110 x 75 Bell x Bell Red.	15	\$205.00
DSB-119R	110 x 90 Bell x Bell Red.	15	\$246.00
DSB-166R	160 x 63 Bell x Bell Red.	21	\$438.00
DSB-167R	160 x 75 Bell x Bell Red.	21	\$420.00
DSB-169R	160 x 90 Bell x Bell Red.	20	\$420.00
DSB-1611R	160 x 110 Bell x Bell Red.	21	\$431.00
DSB-209R	200 x 90 Bell x Bell Red.	34	\$500.00
DSB-2010R	200 x 110 Bell x Bell Red.	33	\$500.00
DSB-2016R	200 x 160 Bell x Bell Red.	34	\$520.00
DSB-229R	225 x 90 Bell x Bell Red.	34	\$500.00
DSB-2210R	225 x 110 Bell x Bell Red.	33	\$500.00
DSB-2216R	225 x 160 Bell x Bell Red.	34	\$520.00
DSB-259R	250 x 90 Bell x Bell Red.	48	\$963.00
DSB-2511R	250 x 110 Bell x Bell Red.	48	\$1,106.00
DSB-2516R	250 x 160 Bell x Bell Red.	50	\$888.00
DSB-2520R	250 x 200 Bell x Bell Red.	51	\$963.00
DSB-289R	280 x 90 Bell x Bell Red.	48	\$818.00
DSB-2811R	280 x 110 Bell x Bell Red.	48	\$940.00
DSB-2816R	280 x 160 Bell x Bell Red.	50	\$888.00
DSB-2820R	280 x 200 Bell x Bell Red.	51	\$963.00
DSB-2822R	280 x 225 Bell x Bell Red.	51	\$963.00

**Bell x Bell (Concentric) Reducer (continued)**

Model No.	Description	Wt. Kg.	List Price
DSB-329R	315 x 90 Bell x Bell Red.	69	\$928.00
DSB-3211R	315 x 110 Bell x Bell Red.	71	\$966.00
DSB-3216R	315 x 160 Bell x Bell Red.	68	\$974.00
DSB-3220R	315 x 200 Bell x Bell Red.	75	\$1,004.00
DSB-3222R	315 x 225 Bell x Bell Red.	75	\$1,004.00
DSB-3225R	315 x 250 Bell x Bell Red.	75	\$1,086.00
DSB-3228R	315 x 280 Bell x Bell Red.	75	\$1,086.00
DSB-4020R	400 x 200 Bell x Bell Red.	140	\$2,205.00
DSB-4022R	400 x 225 Bell x Bell Red.	140	\$2,205.00
DSB-4025R	400 x 250 Bell x Bell Red.	125	\$2,288.00
DSB-4028R	400 x 280 Bell x Bell Red.	125	\$2,288.00
DSB-4032R	400 x 315 Bell x Bell Red.	129	\$1,874.00



*Links are included and attached to
all fittings and reducers*

Spigot x Bell Reducer (SBR)

Model No.	Description	Wt. Kg.	List Price
DSB-76SBR	75 x 63 Spigot x Bell	2	\$76.00
DSB-96SBR	90 x 63 Spigot x Bell	3	\$76.00
DSB-97SBR	90 x 75 Spigot x Bell	4	\$85.00
DSB-116SBR	110 x 63 Spigot x Bell	4	\$150.00
DSB-117SBR	110 x 75 Spigot x Bell	5	\$105.00
DSB-119SBR	110 x 90 Spigot x Bell	5	\$107.00
DSB-166SBR	160 x 63 Spigot x Bell	7	\$154.00
DSB-167SBR	160 x 75 Spigot x Bell	12	\$179.00
DSB-169SBR	160 x 90 Spigot x Bell	6	\$159.00
DSB-1611SBR	160 x 110 Spigot x Bell	8	\$173.00
DSB-206SBR	200 x 63 Spigot x Bell	10	\$168.00
DSB-207SBR	200 x 75 Spigot x Bell	10	\$215.00
DSB-208SBR	200 x 90 Spigot x Bell	12	\$215.00
DSB-2011SBR	200 x 110 Spigot x Bell	13	\$219.00
DSB-2016SBR	200 x 160 Spigot x Bell	14	\$224.00
DSB-226SBR	225 x 63 Spigot x Bell	10	\$168.00
DSB-227SBR	225 x 75 Spigot x Bell	11	\$215.00
DSB-229SBR	225 x 90 Spigot x Bell	12	\$215.00
DSB-2211SBR	225 x 110 Spigot x Bell	13	\$215.00
DSB-2216SBR	225 x 160 Spigot x Bell	13	\$224.00
DSB-256SBR	250 x 63 Spigot x Bell	18	\$306.00

Category A**Spigot x Bell Reducer (SBR) (continued)**

Model No.	Description	Wt. Kg.	List Price
DSB-257SBR	250 x 75 Spigot x Bell	19	\$370.00
DSB-259SBR	250 x 90 Spigot x Bell	20	\$273.00
DSB-2511SBR	250 x 110 Spigot x Bell	20	\$425.00
DSB-2516SBR	250 x 160 Spigot x Bell	21	\$469.00
DSB-2520SBR	250 x 200 Spigot x Bell	21	\$202.00
DSB-289SBR	280 x 90 Spigot x Bell	19	\$326.00
DSB-2811SBR	280 x 110 Spigot x Bell	20	\$361.00
DSB-2816SBR	280 x 160 Spigot x Bell	20	\$366.00
DSB-2820SBR	280 x 200 Spigot x Bell	21	\$398.00
DSB-2822SBR	280 x 225 Spigot x Bell	21	\$480.00
DSB-329SBR	315 x 90 Spigot x Bell	23	\$392.00
DSB-3211SBR	315 x 110 Spigot x Bell	25	\$641.00
DSB-3216SBR	315 x 160 Spigot x Bell	22	\$457.00
DSB-3220SBR	315 x 200 Spigot x Bell	28	\$482.00
DSB-3222SBR	315 x 225 Spigot x Bell	29	\$482.00
DSB-3225SBR	315 x 250 Spigot x Bell	30	\$564.00
DSB-3228SBR	315 x 280 Spigot x Bell	31	\$575.00
DSB-409SBR	400 x 90 Spigot x Bell	69	\$1,244.00
DSB-4011SBR	400 x 110 Spigot x Bell	71	\$1,341.00
DSB-4016SBR	400 x 160 Spigot x Bell	68	\$1,351.00
DSB-4020SBR	400 x 200 Spigot x Bell	74	\$1,384.00
DSB-4022SBR	400 x 225 Spigot x Bell	75	\$1,409.00
DSB-4025SBR	400 x 250 Spigot x Bell	76	\$1,309.00
DSB-4028SBR	400 x 280 Spigot x Bell	77	\$1,557.00
DSB-4032SBR	400 x 315 Spigot x Bell	79	\$921.00

**NOTE: Gasket change requirement
(See Page 10)**

**Links (Used with SBR, Cap & Plugs)**

Model No.	Description	Wt. Kg.	List Price
SB-LK1	2-2.5 Link	1	\$26.00
SB-LK2	3-8 Link	1	\$27.00
SB-LK3	10-12 Link	1	\$37.00
SB-LK4	14-16 Link	3	\$42.00
SBLK-B1	1/4-20 x 7/8 Bolt	Nil	\$6.00
SBLK-B2	5/16-18 x 1.25 Bolt	Nil	\$6.00
SBLK-B3	3/8-16 x 1.25 Bolt	Nil	\$6.00

**Plug**

Model No.	Description	Wt. Kg.	List Price
DSB-6P	63, Plug	2	\$62.00
DSB-7P	75, Plug	2	\$63.00
DSB-9P	90, Plug	4	\$65.00
DSB-11P	110, Plug	5	\$79.00
DSB-16P	160, Plug	6	\$94.00
DSB-20P	200, Plug	9	\$116.00
DSB-22P	225, Plug	9	\$141.00
DSB-25P	250, Plug	15	\$150.00
DSB-28P	280, Plug	15	\$171.00
DSB-32P	315, Plug	20	\$180.00
DSB-40P	400, Plug	23	\$959.00

*Furnished with DB Adapter (Page 10)***Tapped Plug**

Model No.	Description	Wt. Kg.	List Price
DSB-75TP	75 x 50 Tapped Plug	2	\$92.00
DSB-76TP	75 x 63 Tapped Plug	2	\$106.00
DSB-95TP	90 x 50 Tapped Plug	3	\$108.00
DSB-96TP	90 x 63 Tapped Plug	3	\$113.00
DSB-115TP	110 x 50 Tapped Plug	4	\$116.00
DSB-116TP	110 x 63 Tapped Plug	4	\$120.00
DSB-117TP	110 x 75 Tapped Plug	4	\$124.00
DSB-119TP	110 x 90 Tapped Plug	4	\$128.00
DSB-165TP	160 x 50 Tapped Plug	5	\$120.00
DSB-166TP	160 x 63 Tapped Plug	5	\$124.00
DSB-167TP	160 x 75 Tapped Plug	5	\$128.00
DSB-169TP	160 x 90 Tapped Plug	5	\$130.00
DSB-205TP	200 x 50 Tapped Plug	6	\$153.00
DSB-206TP	200 x 63 Tapped Plug	6	\$157.00
DSB-207TP	200 x 75 Tapped Plug	6	\$159.00
DSB-209TP	200 x 90 Tapped Plug	6	\$165.00
DSB-256TP	250 x 90 Tapped Plug	15	\$171.00
DSB-329TP	315 x 90 Tapped Plug	20	\$225.00
DSB-409TP	400 x 90 Tapped Plug	25	\$987.00

**NOTE: Gasket change requirement
(See Page 10)**

**Cap**

Model No.	Description	Wt. Kg.	List Price
DSB-6C	63, Cap	5	\$171.00
DSB-7C	75, Cap	7	\$171.00
DSB-9C	90, Cap	8	\$176.00
DSB-11C	110, Cap	15	\$218.00
DSB-16C	160, Cap	24	\$296.00
DSB-20C	200, Cap	30	\$362.00
DSB-22C	225, Cap	32	\$362.00
DSB-25C	250, Cap	46	\$877.00
DSB-28C	280, Cap	47	\$877.00
DSB-32C	315, Cap	66	\$987.00
DSB-40C	400, Cap	135	\$2,464.00

**Tapped Cap**

Model No.	Description	Wt. Kg.	List Price
DSB-75TC	75 x 50 Tapped Cap	6	\$216.00
DSB-76TC	75 x 63 Tapped Cap	6	\$222.00
DSB-95TC	90 x 50 Tapped Cap	9	\$283.00
DSB-96TC	90 x 63 Tapped Cap	9	\$290.00
DSB-115TC	110 x 50 Tapped Cap	15	\$314.00
DSB-116TC	110 x 63 Tapped Cap	15	\$317.00
DSB-117TC	110 x 75 Tapped Cap	15	\$321.00
DSB-119TC	110 x 90 Tapped Cap	15	\$276.00
DSB-165TC	160 x 50 Tapped Cap	24	\$314.00
DSB-166TC	160 x 63 Tapped Cap	24	\$318.00
DSB-167TC	160 x 75 Tapped Cap	24	\$322.00
DSB-169TC	160 x 90 Tapped Cap	24	\$326.00
DSB-205TC	200 x 50 Tapped Cap	27	\$427.00
DSB-206TC	200 x 63 Tapped Cap	27	\$429.00
DSB-207TC	200 x 75 Tapped Cap	27	\$461.00
DSB-209TC	200 x 90 Tapped Cap	27	\$438.00
DSB-225TC	225 x 50 Tapped Cap	30	\$482.00
DSB-226TC	225 x 63 Tapped Cap	30	\$486.00
DSB-227TC	225 x 75 Tapped Cap	30	\$488.00
DSB-229TC	225 x 90 Tapped Cap	30	\$494.00
DSB-259TC	250 x 90 Tapped Cap	46	\$794.00
DSB-329TC	315 x 90 Tapped Cap	66	\$876.00
DSB-409TC	400 x 90 Tapped Cap	130	\$2,026.00

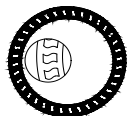
Category A

**Male Adapter (Bell X Male... MPT)**

Model No.	Description	Wt. Kg.	List Price
DSB-62MA	63 Bell x 2 MPT	2	\$62.00
DSB-72MA	75 Bell x 3 MPT	3	\$76.00
DSB-936MA	90 Bell x 3 MPT	4	\$85.00
DSB-113	110 Bell x 3 MPT	5	\$94.00

**DB Adapter (2" MPT x Metric Female Threads)**

Model No.	Description	Wt. Kg.	List Price
DB-25	2 MPT x 50mm FPT	1	\$21.00
DB-26	2 MPT x 63mm FPT	1	\$25.00
DB-37	3 MPT x 75mm FPT	1	\$28.00
DB-39	3 MPT x 90mm FPT	1	\$33.00

**Gaskets (Fittings & Valves)**

Model No.	Description	Wt. Kg.	List Price
SB-1G	2, IPS Gasket	0.10	\$10.00
SB-2G	2.5, IPS Gasket	0.10	\$11.00
SB-3G	3, IPS Gasket	0.10	\$12.00
SB-4G	4, IPS Gasket	0.10	\$17.00
SB-6G	6, IPS Gasket	0.20	\$21.00
SB-8G	8, IPS Gasket	0.30	\$26.00
SB-10G	10, IPS Gasket	0.50	\$37.00
SB-12G	12, IPS Gasket	0.80	\$49.00
DG-6	63, DIN Gasket	0.10	\$10.00
DG-7	75, DIN Gasket	0.10	\$11.00
DG-9	90, DIN Gasket	0.10	\$13.00
DG-11	110, DIN Gasket	0.10	\$15.00
DG-16	160, DIN Gasket	0.20	\$21.00
DG-20	200, DIN Gasket	0.30	\$26.00
DG-22	225, DIN Gasket	0.50	\$37.00
DG-25	250, DIN Gasket	0.50	\$37.00
DG-28	280, DIN Gasket	0.80	\$49.00
DG-32	315, DIN Gasket	0.80	\$49.00
DG-40	400, DIN Gasket	1.20	\$85.00
DG-45	450, DIN Gasket	1.50	\$116.00

Category A**Ductile Iron Fittings (Flange x Flange)**

Model No.	Description	Wt. Kg.	List Price
FF-390	3, 90 Bend, F x F	20	\$65.00
FF-490	4, 90 Bend, F x F	34	\$92.00
FF-333T	3, Tee F x F x F	28	\$94.00
FF-444T	4, Tee F x F x F	50	\$182.00
FF-390B	3, 90 Bend, F x F w/Base	27	\$99.00
FF-490B	4, 90 Bend, F x F w/Base	44	\$154.00
FF-333TB	3, Tee F x F x F w/Base	37	\$128.00
FF-444TB	4, Tee F x F x F w/Base	56	\$210.00
FF-312SPOOL	3 x 12 Spool, F x F	19	\$186.00
FF-412SPOOL	4 x 12 Spool, F x F	34	\$190.00
FF-348SPOOL	3 x 48 Spool, F x F	37	\$284.00
FF-448SPOOL	4 x 48 Spool, F x F	60	\$349.00

NOTE: Flange bolt, nut & gasket kits are sold separately. Please call Leemco for pricing.

NOTE: GASKET CHANGE REQUIRED

160, 200 & 250 plain plug, tapped plug & spigot x bell reducer is shipped with a loose IPS gasket. Customer must replace the gasket that is in the fitting with the loose gasket, before attempting to insert into the fitting. When installing the loose gasket, make sure that the smooth face of the gasket is in the front. It is advisable to purchase some spare IPS and DIN gaskets with your order.

PLEASE CONTACT LEEMCO FOR QUESTIONS:
(909) 422-0088

**Stainless Steel Fittings (FPT), Nipples (MPT)***(Please Specify - BSP or NPT Thread Type on Order)*

Model No.	Description	Wt. Kg.	List Price
010-90-304	1, 90 Elbow, 304 Stainless	0.20	\$9.00
015-90-304	1.5, 90 Elbow, 304 Stainless	0.70	\$15.00
020-90-304	2, 90 Elbow, 304 Stainless	0.80	\$22.00
010-45-304	1, 45 Elbow, 304 Stainless	0.20	\$9.00
015-45-304	1.5, 45 Elbow, 304 Stainless	0.50	\$15.00
020-45-304	2, 45 Elbow, 304 Stainless	0.70	\$20.00
010-TEE-304	1, Tee, 304 Stainless	0.30	\$11.00
015-TEE-304	1.5, Tee, 304 Stainless	0.80	\$21.00
020-TEE-304	2, Tee, 304 Stainless	1.10	\$29.00
010-CAP-304	1, Cap, 304 Stainless	0.10	\$6.00
015-CAP-304	1.5, Cap, 304 Stainless	0.20	\$11.00
020-CAP-304	2, Cap, 304 Stainless	0.40	\$15.00
010-COUP-304	1, Coupling, 304 Stainless	0.20	\$7.00
015-COUP-304	1.5, Coupling, 304 Stainless	0.40	\$12.00
020-COUP-304	2, Coupling, 304 Stainless	0.60	\$18.00
010-UNION-304	1, Union, 304 Stainless	0.40	\$19.00
015-UNION-304	1.5, Union, 304 Stainless	0.90	\$31.00
020-UNION-304	2, Union, 304 Stainless	1.30	\$47.00
010-020-NIP-304	1 x 2 Nipple, 304 Stainless	0.10	\$5.00
010-040-NIP-304	1 x 4 Nipple, 304 Stainless	0.20	\$7.00
010-060-NIP-304	1 x 6, Nipple, 304 Stainless	0.40	\$10.00
010-080-NIP-304	1 x 8, Nipple, 304 Stainless	0.50	\$14.00
010-100-NIP-304	1 x 10, Nipple, 304 Stainless	0.70	\$17.00
010-120-NIP-304	1 x 12, Nipple, 304 Stainless	0.80	\$19.00
015-020-NIP-304	1.5 x 2, Nipple, 304 Stainless	0.20	\$6.00
015-040-NIP-304	1.5 x 4, Nipple, 304 Stainless	0.40	\$10.00
015-060-NIP-304	1.5 x 6, Nipple, 304 Stainless	0.70	\$15.00
015-080-NIP-304	1.5 x 8, Nipple, 304 Stainless	0.90	\$18.00
015-100-NIP-304	1.5 x 10, Nipple, 304 Stainless	1.00	\$19.00
015-120-NIP-304	1.5 x 12, Nipple, 304 Stainless	1.40	\$21.00
020-020-NIP-304	2 x 2, Nipple, 304 Stainless	0.30	\$7.00
020-040-NIP-304	2 x 4, Nipple, 304 Stainless	0.60	\$14.00
020-060-NIP-304	2 x 6, Nipple, 304 Stainless	0.80	\$18.00
020-080-NIP-304	2 x 8, Nipple, 304 Stainless	1.20	\$21.00
020-100-NIP-304	2 x 10, Nipple, 304 Stainless	1.40	\$27.00
020-120-NIP-304	2 x 12, Nipple, 304 Stainless	1.90	\$32.00

NOTE:

Please Specify - BSP or NPT Thread Type on order
BSP (British Standard Pipe) Thread
NPT (National Pipe) Thread

* Please call Leemco for 316 stainless pricing

Category A**Ductile Iron Valve Box (For QC valve)**

Model No.	Description	Wt. Kg.	List Price
LWB-12R	12, Ductile Iron Valve Box	35	\$1,004.00

**Gaskets (Saddle Boss)**

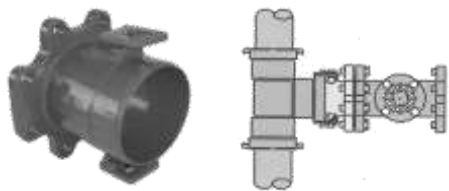
Model No.	Description	Wt. Kg.	List Price
SG-1G	TS & LTS Gasket	0.1	\$10.00
SG-6MMG	RSST & RSDT Gasket	0.1	\$10.00
SG-9MMG	RSLS & RDLS Gasket	0.1	\$10.00

Saddle Parts (Old style TS & LTS-Series)

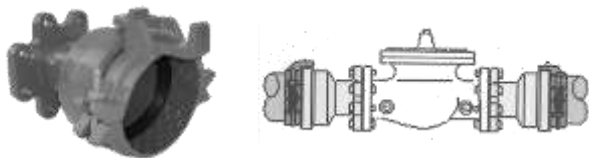
Model No.	Description	Wt. Kg.	List Price
SC-300	3, Lower Saddle Clamp	0.1	\$17.00
SC-400	4, Lower Saddle Clamp	0.1	\$20.00
SC-600	6, Lower Saddle Clamp	0.2	\$26.00
SC-800	8, Lower Saddle Clamp	0.3	\$33.00
SC-1000	10, Lower Saddle Clamp	0.4	\$42.00
SC-1200	12, Lower Saddle Clamp	0.5	\$49.00
TSB-1	3-10, Saddle SS Bolt, Nut	0.1	\$6.00
TSB-2	12, Saddle SS Bolt, Nut	0.1	\$6.00



**NOTE: For sealing all stainless steel
 FPT & MPT threads, IPS WELD-ON
 White Seal Plus is recommended.
 (SOLD BY OTHERS)**

**Flange x Spigot Adapters (Class 150)**

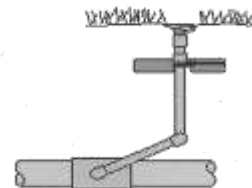
Model No.	Description	Wt. Kg.	List Price
RF-11F11S	110 x 110 Flange x Spigot	15	\$130.00
RF-16F16S	160 x 160 Flange x Spigot	24	\$191.00
RF-20F20S	200 x 200 Flange x Spigot	43	\$219.00
RF-25F25S	250 x 250 Flange x Spigot	64	\$437.00
RF-32F32S	315 x 315 Flange x Spigot	86	\$459.00

**Flange x Bell Adapters (Class 150)**

Model No.	Description	Wt. Kg.	List Price
RF-11F11B	110 x 110 Flange x Bell	25	\$317.00
RF-11F16B	110 x 160 Flange x Bell	36	\$495.00
RF-11F20B	110 x 200 Flange x Bell	48	\$553.00
RF-16F16B	160 x 160 Flange x Bell	42	\$422.00
RF-16F20B	160 x 200 Flange x Bell	58	\$664.00
RF-16F25B	160 x 250 Flange x Bell	74	\$992.00
RF-20F20B	200 x 200 Flange x Bell	64	\$636.00
RF-20F25B	200 x 250 Flange x Bell	94	\$1,083.00
RF-20F32B	200 x 315 Flange x Bell	118	\$179.00
RF-25F25B	250 x 250 Flange x Bell	95	\$1,218.00
RF-25F32B	250 x 315 Flange x Bell	139	\$1,604.00
RF-25F40B	250 x 400 Flange x Bell	189	\$2,848.00
RF-32F32B	315 x 315 Flange x Bell	132	\$1,309.00
RF-32F40B	315 x 400 Flange x Bell	215	\$2,592.00

**Restrained Cap**

Model No.	Description	Wt. Kg.	List Price
RF-6315TC	63 x 1.5 ACME Cap	1	\$91.00
RF-63C	63, Blind Cap	1	\$65.00

Category B**QCV Stabilizers**

Model No.	Description	Wt. Kg.	List Price
LS-120	3/4-1, QC Stabilizer	1	\$25.00
LS-150	1.5, QC Stabilizer	1	\$26.00

**DLH-Series (Pipe to Fitting) Restraints**

Model No.	Description	Wt. Kg.	List Price
DLH-6	63, Pipe - Fitting, JR	2	\$64.00
DLH-7	75, Pipe - Fitting, JR	2	\$70.00
DLH-9	90, Pipe - Fitting, JR	2	\$77.00
DLH-11	110, Pipe - Fitting, JR	3	\$99.00
DLH-16	160, Pipe - Fitting, JR	5	\$138.00
DLH-20	200, Pipe - Fitting, JR	7	\$183.00
DLH-22	225, Pipe - Fitting, JR	8	\$229.00
DLH-25	250, Pipe - Fitting, JR	12	\$247.00
DLH-28	280, Pipe - Fitting, JR	14	\$286.00
DLH-32	315, Pipe - Fitting, JR	18	\$328.00
DLH-40	400, Pipe - Fitting, JR	36	\$532.00

TORQUE REQUIREMENTS:

63mm - 90mm = 2.78 kg-meter (20 ft-lb)

110mm - 200mm = 6.95 kg-meter (50 ft-lb)

250mm - 400mm = 13.9 kg-meter (100 ft-lb)

NOTE: Joint Restraints include bolt, nut and washer sets.



**DLG-Series (Pipe to Pipe) Restraints
For Push-On Gate Valves**

Model No.	Description	Wt. Kg.	List Price
DLG-6	63, Pipe - Pipe, Valve JR	6	\$217.00
DLG-7	75, Pipe - Pipe, Valve JR	6	\$237.00
DLG-9	90, Pipe - Pipe, Valve JR	7	\$244.00
DLG-11	110, Pipe - Pipe, Valve JR	9	\$281.00
DLG-16	160, Pipe - Pipe, Valve JR	15	\$393.00
DLG-20	200, Pipe - Pipe, Valve JR	18	\$502.00
DLG-22	225, Pipe - Pipe, Valve JR	18	\$596.00
DLG-25	250, Pipe - Pipe, Valve JR	33	\$708.00
DLG-28	280, Pipe - Pipe, Valve JR	27	\$496.00
DLG-32	315, Pipe - Pipe, Valve JR	47	\$894.00
DLG-40	400, Pipe - Pipe, Valve JR	84	\$1,206.00



**DLGK-Series (Pipe to Fitting) Restraints
For Push-On Gate Valves**

Model No.	Description	Wt. Kg.	List Price
DLGK-6	63, Pipe - Fitting, Valve JR	5	\$160.00
DLGK-7	75, Pipe - Fitting, Valve JR	6	\$164.00
DLGK-9	90, Pipe - Fitting, Valve JR	7	\$174.00
DLGK-11	110, Pipe - Fitting, Valve JR	9	\$213.00
DLGK-16	160, Pipe - Fitting, Valve JR	12	\$259.00
DLGK-20	200, Pipe - Fitting, Valve JR	14	\$296.00
DLGK-22	225, Pipe - Fitting, Valve JR	16	\$333.00
DLGK-25	250, Pipe - Fitting, Valve JR	25	\$387.00
DLGK-28	280, Pipe - Fitting, Valve JR	27	\$420.00
DLGK-32	315, Pipe - Fitting, Valve JR	31	\$457.00
DLGK-40	400, Pipe - Fitting, Valve JR	50.0	\$630.00

TORQUE REQUIREMENTS:

63mm - 90mm = 2.78 kg-meter (20 ft-lb)
110mm - 200mm = 6.95 kg-meter (50 ft-lb)
250mm - 400mm = 13.9 kg-meter (100 ft-lb)

NOTE: Joint Restraints include bolt, nut and washer sets.



Category B

**DLMJ-Series (Pipe to Valve) Restraints
for MJ or Flange Valve (one end only)**

Model No.	Description	Wt. Kg.	List Price
DLMJ-6	63, Pipe - MJ, Valve JR	3	\$125.00
DLMJ-7	75, Pipe - MJ, Valve JR	3	\$132.00
DLMJ-9	90, Pipe - MJ, Valve JR	4	\$147.00
DLMJ-11	110, Pipe - MJ, Valve JR	4	\$173.00
DLMJ-16	160, Pipe - MJ, Valve JR	7	\$218.00
DLMJ-20	200, Pipe - MJ, Valve JR	8	\$271.00
DLMJ-22	225, Pipe - MJ, Valve JR	9	\$361.00
DLMJ-25	250, Pipe - MJ, Valve JR	13	\$347.00
DLMJ-28	280, Pipe - MJ, Valve JR	15	\$392.00
DLMJ-32	315, Pipe - MJ, Valve JR	19	\$440.00
DLMJ-40	400, Pipe - MJ, Valve JR	38	\$594.00



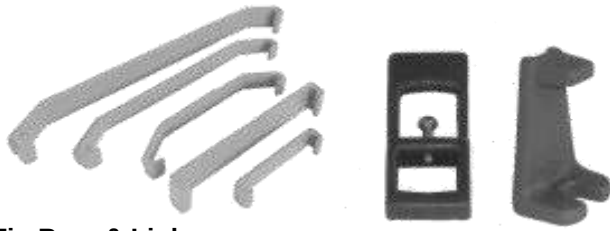
**DLB-Series (Pipe to Pipe) Restraints
For Gasket Bell of Pipe**

Model No.	Description	Wt. Kg.	List Price
DLB-6	63, Pipe - Pipe JR	4	\$171.00
DLB-7	75, Pipe - Pipe JR	4	\$186.00
DLB-9	90, Pipe - Pipe JR	5	\$229.00
DLB-11	110, Pipe - Pipe JR	7	\$281.00
DLB-16	160, Pipe - Pipe JR	12	\$351.00
DLB-20	200, Pipe - Pipe JR	14	\$460.00
DLB-22	225, Pipe - Pipe JR	17	\$563.00
DLB-25	250, Pipe - Pipe JR	25	\$648.00
DLB-28	280, Pipe - Pipe JR	27	\$742.00
DLB-32	315, Pipe - Pipe JR	38	\$836.00
DLB-40	400, Pipe - Pipe JR	78	\$1,164.00

TORQUE REQUIREMENTS:

63mm - 90mm = 2.78 kg-meter (20 ft-lb)
110mm - 200mm = 6.95 kg-meter (50 ft-lb)
250mm - 400mm = 13.9 kg-meter (100 ft-lb)

NOTE: Joint Restraints include bolt, nut and washer sets.



Tie-Bars & Links (Individual Parts, Not Sets)

Model No.	Description	Wt. Kg.	List Price
LTB-100	Bar for 63-200 DLB-Series		\$21.00
LTB-200	Bar for 250-315 DLB-Series		\$39.00
LTB-224	Bar for 63-110 DLGK & DLG		\$39.00
LTB-228	Bar for 160-200 DLGK & DLG		\$48.00
LTB-1012	Bar for 250-315 DLGK		\$68.00
LS-MJ	Link for DLMJ-Series		\$31.00
SB-LK6	Link for DLGK-6 & 9		\$25.00
SB-LK7	Link for DLGK-11-32		\$33.00

Hardware: Bolt, Nut, Washer Sets (304 Series Stainless Steel)

Model No.	Description	Wt. lbs.	List Price
HD-J1-S	3/8-16 x 2.5, SS Hex	0.1	\$6.00
HD-J2-S	1/2-13 x 3, SS Hex	0.1	\$9.00
HD-J3-S	1/2-13 x 3.5, SS Hex	0.1	\$10.00
HD-J4-S	1/2-13 x 4, SS Hex	0.1	\$11.00
HD-J5-S	5/8-11 x 5.5, SS Hex	0.3	\$20.00
HD-J6-S	1/4-20 x 7/8, SS Hex	0.1	\$6.00
HD-J7-S	7/16-18 x 1, SS Hex	0.2	\$9.00
HD-J8-S	3/8-16 x 2.5, SS CR	0.1	\$11.00
HD-J9-S	1/2-13 x 3.5, SS CR	0.1	\$12.00
HD-J10-S	5/8-11 x 5.5, SS CR	0.3	\$22.00
HD-J11-S	5/16-18 x 2, HSLA Hex	0.1	\$6.00

**NOTE: 316 stainless steel is available.
Please contact Leemco for pricing.**

Category B

TOOLS



Hole Saw (1-1/2" Saddle Port)

Model No.	Description	Wt. lbs.	List Price
HOLES AW15	1-1/2, Bi-Metal Hole Saw	1	\$58.00
PILOTBIT	1/4, Pilot Bit (required)	1	\$22.00
DEBURTOOL	Deburring Tool	1	\$73.00



Torque Wrench (20-150 LBS.)

Model No.	Description	Wt. lbs.	List Price
TWRENCH	Torque Wrench	4	\$217.00
	20-150 LBS, 1/2 Drive		

TORQUE CONVERSION FACTOR:

1 kg-meter = 7.216 ft-lb

1 ft-lb = 0.139 kg-meter



Model No.	Description	Wt. Kg.	List Price
LV-Series Angle Valves (Ductile Iron Body)			
LV-263	2x63mm Valve, SP, SxG, X	15	\$208.00
LV-263-SON	2x63mm Valve, SP, SxG, SON	16	\$230.00
LV-290	2x90mm Valve, SP, SxG, X	16	\$311.00
LV-290-SON	2x90mm Valve, SP, SxG, SON	17	\$333.00

LV-Series Angle Valves (Stainless Steel Body)

LV-263S-9	2x63mm Valve, SP, SxG, X	12	\$318.00
LV-263S-9-SON	2x63mm Valve, SP, SxG, SON	13	\$339.00
LV-263S	2x63mm Valve, SP, SxG, X	15	\$371.00
LV-263-SON	2x63mm Valve, SP, SxG, SON	16	\$392.00

Torque Rating for outlet clamps:**63mm = 1.39 kg-meter (5-10 ft-lb)****90mm = 2.085 kg-meter (15 ft-lb)**

SP=Standard Port, S=Spigot, G=Gasket, X=Cross Top Handle

SON=Square Operating Nut

NOTE: Valves used with HDPE pipe require SS internal pipe stiffeners, sold separately.**DLT-Series, Lateral Tee for LV-Series Valves**

Model No.	Description	Wt. Kg.	List Price
DLT-92T	90 x 90 x 2 LAT Tee	5	\$122.00
DLT-112T	110 x 110 x 2 LAT Tee	8	\$150.00
DLT-162T	160 x 160 x 2 LAT Tee	12	\$202.00
DLT-202T	200 x 200 x 2 LAT Tee	18	\$279.00
DLT-222T	225 x 225 x 2 LAT Tee	19	\$407.00
DLT-252T	250 x 250 x 2 LAT Tee	28	\$480.00
DLT-282T	280 x 280 x 2 LAT Tee	32	\$488.00
DLT-322T	315 x 315 x 2 LAT Tee	47	\$498.00

**LR90-Series, Swivel, Spigot x Bell**

Model No.	Description	Wt. Kg.	List Price
L90-63SB	2 x 63 Spigot x Bell 90	4	\$65.00
DLR90-11SB	63 x 63 Spigot x Bell 90	2	\$55.00
DLR90-22SB	75 x 75 Spigot x Bell 90	4	\$72.00
DLR90-33SB	90 x 90 Spigot x Bell 90	5	\$92.00

**Category C****LMN-Series Spigot x Male Adapters**

Model No.	Description	Wt. Kg.	List Price
DLMN-65	90mm Spig x 1 MPT	2	\$49.00
DLMN-66	90mm Spig x 1.25 MPT	2	\$53.00
DLMN-77	90mm Spig x 1.5 MPT	2	\$66.00
DLMN-99	90mm Spig x 2 MPT	2	\$76.00

**LX Riser Extensions for LV-Valves**

Model No.	Description	Wt. Kg.	List Price
LX-6	2 x 6 Extension	3	\$71.00
LX-12	2 x 12 Extension	4	\$95.00

**Adapters**

Model No.	Description	Wt. Kg.	List Price
DLMA-6	2 Bell x 63 Adapter	1	\$58.00
DLMA-200BSP	2 Bell x 2 BSP Adapter	1	\$58.00
DL-263SB	2 Spig x 63 Bell Adapter	1	\$65.00
L90-63SB	2 Spig x 63 Bell, 90 Elbow	1	\$77.00
DLT90-63	2 Spig x 63 Bell, LAT 90 El	1	\$65.00
DLHDP-263	2 Spig x 63 Flare	1	\$77.00



HC WIDE CLAMP

Valve Clamps (LV & LGV-Series)

Model No.	Description	Wt. Kg.	List Price
C-63C	63, Clamp, Ductile Iron	1	\$9.00
C-90C	90, Clamp, Ductile Iron	1	\$11.00
HC-63	63, Wide Clamp, Ductile Iron	1	\$21.00
HC-90	90, Wide Clamp, Ductile Iron	1	\$21.00

**LGV-Series, Riser Extensions**

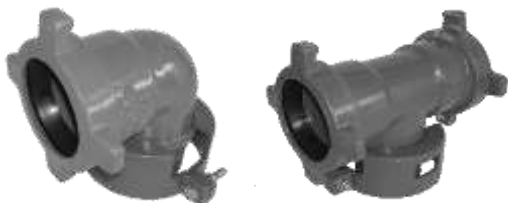
Model No.	Description	Wt. Kg.	List Price
LGV-263SB	2 x 63, Spig x Bell Globe	7	\$284.00
LGV-390SB	90 x 90, Spig x Bell Globe	10	\$422.00
LGV-9011SB	90 x 110, Spig x Bell Globe	20	\$575.00
LGV-66BB	63 x 63, Bell x Bell Globe	7	\$311.00
LGV-99BB	90 x 90, Bell x Bell Globe	10	\$398.00
LGV-1111BB	110 x 110, Bell x Bell Globe	20	\$635.00
SON-SS	Square Operating Nut, SS	1	\$22.00



Riser extension spigot end inserts into 90mm gasket fitting outlet.

LX3-Series Riser Extensions

Model No.	Description	Wt. Kg.	List Price
LX3-6	90 x 160 Extension	7	\$71.00
LX3-12	90 x 315 Extension	10	\$95.00

**L90 and L180 Spigot x Bell Adapters**

Model No.	Description	Wt. Kg.	List Price
L90-33SB	3 x 3, Spigot x Bell 90	11	\$105.00
L180-333SB	3 x 3 x 3, Spigot x Bell Tee	14	\$144.00
DL90-32SB	75 x 75, Spigot x Bell 90	5	\$92.00
DL90-33SB	90 x 90, Spigot x Bell 90	5	\$105.00
DL180-322SB	90x75x75, SpigxBellxBell Tee	6	\$139.00
DL180-333SB	90x90x90, SpigxBellxBell Tee	7	\$144.00

NOTE: L90 & L180 adapter spigot end inserts into 90mm gasket fitting outlet.

Category C**Collars (L90 & L180 Adapters)**

Model No.	Description	Wt. Kg.	List Price
C-360-3	3, Clamp LAT 90 & 180	4	\$39.00

NOTE: Collars include hardware. Collars are compatible with L90 & L180 spigot x bell adapters. (Page 20)

Torque Rating for outlet clamps:

63mm = 1.39 kg-meter (5-10 ft-lb)

90mm = 2.085 kg-meter (15 ft-lb)

**Valve Parts & Covers (LV & LGV-Series)**

Model No.	Description	Wt. Kg.	List Price
LVC-200	2, Cover Assy, Standard	1	\$87.00
LVC-300	3, Cover Assy, Standard	2	\$108.00
LVO-200	2, Cover O-RING Standard	Nil	\$195.00
LVO-300	3, Cover O-RING Standard	Nil	\$6.00
SON-SS	Square Operating Nut, SS	1	\$6.00
LV-CLIP	Clip for LV-Series	1	\$7.00

**Torque Rating for saddles:**

2.78 - 3.48 kg-meter
(20 - 25 ft-lb)

RLS-Series, Lateral Saddle for LV-valves
2" IPS Bell Outlet w/ Stainless Steel Single Strap

Model No.	Description	Wt. Kg.	List Price
RLS-300	90mm x 2 LAT Saddle	2	\$95.00
RLS-400	110mm x 2 LAT Saddle	2	\$97.00
RLS-600	160mm x 2 LAT Saddle	2	\$110.00
RLS-800	200mm x 2 LAT Saddle	3	\$122.00
RLS-1000	250mm x 2 LAT Saddle	3	\$142.00
RLS-1200	315mm x 2 LAT Saddle	3	\$159.00

RLS-Series Saddles, Single Strap
1.5" IPS Bell Outlet w/ Stainless Steel Single Strap

Model No.	Description	Wt. Kg.	List Price
RLS-303	90mm x 1.5 IPS Bell Outlet	2	\$152.00
RLS-403	110mm x 1.5 IPS Bell Outlet	2	\$153.00
RLS-603	160mm x 1.5 IPS Bell Outlet	2	\$176.00
RLS-803	200mm x 1.5 IPS Bell Outlet	3	\$193.00
RLS-1003	250mm x 1.5 IPS Bell Outlet	3	\$225.00
RLS-1203	315mm x 1.5 IPS Bell Outlet	3	\$249.00

**Torque Rating for saddles:**

2.78 - 3.48 kg-meter
(20 - 25 ft-lb)

RSST-Series, Threaded Range Saddles
Stainless Steel SINGLE Strap

Model No.	Description	Wt. Kg.	List Price
RSST-302	90mm x 1 FPT Saddle	2	\$70.00
RSST-303	90mm x 1.5 FPT Saddle	2	\$70.00
RSST-304	90mm x 2 FPT Saddle	2	\$58.00
RSST-402	110mm x 1 FPT Saddle	2	\$77.00
RSST-403	110mm x 1.5 FPT Saddle	2	\$77.00
RSST-404	110mm x 2 FPT Saddle	2	\$65.00
RSST-602	160mm x 1 FPT Saddle	2	\$85.00
RSST-603	160mm x 1.5 FPT Saddle	2	\$85.00
RSST-604	160mm x 2 FPT Saddle	2	\$73.00
RSST-802	200mm x 1 FPT Saddle	3	\$94.00

**Category C****Torque Rating for saddles:**

2.78 - 3.48 kg-meter
(20 - 25 ft-lb)

RDL-Series, Lateral Saddle for LV-valves
2" IPS Bell Outlet w/ Stainless Steel Double Straps

Model No.	Description	Wt. Kg.	List Price
RDL-300	90mm x 2 LAT Saddle	2	\$141.00
RDL-400	110mm x 2 LAT Saddle	3	\$118.00
RDL-600	160mm x 2 LAT Saddle	3	\$165.00
RDL-800	200mm x 2 LAT Saddle	4	\$181.00
RDL-1000	250mm x 2 LAT Saddle	4	\$213.00
RDL-1200	315mm x 2 LAT Saddle	5	\$238.00
RDL-1400	400mm x 2 LAT Saddle	5	\$251.00
RDL-1600	450mm x 2 LAT Saddle	6	\$282.00

RDL-Series Saddles, Double Strap
1.5" IPS Bell Outlet w/ Stainless Steel Double Strap

Model No.	Description	Wt. Kg.	List Price
RDL-303	90mm x 1.5 IPS Bell Outlet	2	\$137.00
RDL-403	110mm x 1.5 IPS Bell Outlet	3	\$138.00
RDL-603	160mm x 1.5 IPS Bell Outlet	3	\$159.00
RDL-803	200mm x 1.5 IPS Bell Outlet	4	\$173.00
RDL-1003	250mm x 1.5 IPS Bell Outlet	4	\$202.00
RDL-1203	315mm x 1.5 IPS Bell Outlet	5	\$224.00

**Torque Rating for saddles:**

2.78 - 3.48 kg-meter
(20 - 25 ft-lb)

RSST-Series (continued)

Model No.	Description	Wt. Kg.	List Price
RSST-803	200mm x 1.5 FPT Saddle	3	\$94.00
RSST-804	200mm x 2 FPT Saddle	3	\$83.00
RSST-1002	250mm x 1 FPT Saddle	3	\$102.00
RSST-1003	250mm x 1.5 FPT Saddle	3	\$102.00
RSST-1004	250mm x 2 FPT Saddle	3	\$91.00
RSST-1202	315mm x 1 FPT Saddle	3	\$117.00
RSST-1203	315mm x 1.5 FPT Saddle	3	\$117.00
RSST-1204	315mm x 2 FPT Saddle	3	\$107.00



RSDT-Series, Threaded Range Saddles
Stainless Steel DOUBLE Straps

Model No.	Description	Wt. Kg.	List Price
RSDT-302	90mm x 1 FPT Saddle	2	\$102.00
RSDT-303	90mm x 1.5 FPT Saddle	2	\$102.00
RSDT-304	90mm x 2 FPT Saddle	2	\$91.00
RSDT-402	110mm x 1 FPT Saddle	3	\$108.00
RSDT-403	110mm x 1.5 FPT Saddle	3	\$108.00
RSDT-404	110mm x 2 FPT Saddle	3	\$97.00
RSDT-602	160mm x 1 FPT Saddle	3	\$127.00
RSDT-603	160mm x 1.5 FPT Saddle	4	\$127.00
RSDT-604	160mm x 2 FPT Saddle	4	\$115.00
RSDT-802	200mm x 1 FPT Saddle	4	\$141.00
RSDT-803	200mm x 1.5 FPT Saddle	4	\$141.00
RSDT-804	200mm x 2 FPT Saddle	4	\$129.00
RSDT-1002	250mm x 1 FPT Saddle	4	\$153.00
RSDT-1003	250mm x 1.5 FPT Saddle	4	\$153.00
RSDT-1004	250mm x 2 FPT Saddle	4	\$142.00
RSDT-1202	315mm x 1 FPT Saddle	5	\$181.00
RSDT-1203	315mm x 1.5 FPT Saddle	5	\$181.00
RSDT-1204	315mm x 2 FPT Saddle	5	\$169.00
RSDT-1206	315mm x 3 FPT Saddle	5	\$179.00
RSDT-1404D	400mm x 2 FPT Saddle	6	\$194.00
RSDT-1406D	400mm x 3 FPT Saddle	6	\$202.00
RSDT-1604D	450mm x 2 FPT Saddle	7	\$226.00
RSDT-1606D	450mm x 3 FPT Saddle	7	\$233.00

Torque Rating for saddles:

2.78 - 3.48 kg-meter
(20 - 25 ft-lb)



NOTE: For sealing all stainless steel FPT threads, IPS WELD-ON White Seal Plus is recommended. (SOLD BY OTHERS)

Category C



Stainless Steel Lateral Saddles

Model No.	Description	Wt. Kg.	List Price
RSST-6315	63mm x 1.5 FPT SS Saddle	2	\$81.00
RSST-6315A	63mm x 1.5 ACME SS Saddle	2	\$73.00
RSST-6315B	63mm x 1.5 BSP SS Saddle	3	\$81.00
RSST-9015	90mm x 1.5 FPT SS Saddle	3	\$109.00
RSST-9015A	90mm x 1.5 ACME SS Saddle	3	\$102.00
RSST-9015B	90mm x 1.5 BSP SS Saddle	3	\$109.00

NOTE: Stainless steel lateral saddles require 1-1/2" port hole. Hole saws are sold on Page 14.

NOTE: Stainless steel lateral saddles do not require a torque wrench.



L2 Stainless Steel Quick Coupling Valves

Model No.	Description	Wt. lbs.	List Price
L2QCV-FPT-Y	1" FPT Inlet, Yellow Cap	1	\$87.00
L2QCV-FPT-P	1" FPT Inlet, Purple Cap	1	\$87.00
L2QCV-ACME-Y	1" ACME Inlet, Yellow Cap	1	\$87.00
L2QCV-ACME-P	1" FPT ACME, Purple Cap	1	\$87.00
L2QCV-KEY	Bell gasket inlet, 1.25" FPT	3	\$493.00
L2QCV-SWIVEL-007	1.25"MPT Inlet, 3/4" MGHT	1	\$65.00
L2QCV-SWIVEL-010	1.25"MPT Inlet, 1" MGHT	1	\$71.00

**Stainless Steel FPT Ball Valves (2-Piece)**

(Please specify BSP or NPT Threads)		Wt.	List
Model No.	Description	lbs.	Price
LBT0505SS304	1/2, Ball Valve, 304 SS	1	\$22.00
LBT0505SS316	1/2, Ball Valve, 316 SS	1	\$31.00
LBT075075SS304	3/4, Ball Valve, 304 SS	1	\$34.00
LBT075075SS316	3/4, Ball Valve, 316 SS	1	\$46.00
LBT11SS304	1, Ball Valve, 304 SS	1	\$44.00
LBT11SS316	1, Ball Valve, 316 SS	1	\$58.00
LBT125125SS304	1.25, Ball Valve, 304 SS	2	\$73.00
LBT125125SS316	1.25, Ball Valve, 316 SS	2	\$98.00
LBT1515SS304	1.5, Ball Valve, 304 SS	3	\$94.00
LBT1515SS316	1.5, Ball Valve, 316 SS	3	\$125.00
LBT22SS304	2, Ball Valve, 304 SS	4	\$125.00
LBT22SS316	2, Ball Valve, 316 SS	4	\$166.00
LBT2525SS304	2.5, Ball Valve, 304 SS	8	\$361.00
LBT2525SS316	2.5, Ball Valve, 316 SS	8	\$482.00
LBT33SS304	3, Ball Valve, 304 SS	13	\$518.00
LBT33SS316	3, Ball Valve, 316 SS	13	\$692.00
LBT44SS304	4, Ball Valve, 304 SS	22	\$1,007.00
LBT44SS316	4, Ball Valve, 316 SS	22	\$1,343.00

NOTE: Please specify - BSP or NPT thread type
BSP (British Standard Pipe) Thread
NPT (National Pipe) Thread



NOTE: For sealing all stainless steel FPT threads, IPS WELD-ON White Seal Plus is recommended.
(SOLD BY OTHERS)

**Category C****Stainless Steel FPT Gate Valves**

(Please specify BSP or NPT Threads)		Wt.	List
Model No.	Description	lbs.	Price
LGT11SS304X	1, Gate Valve, 304 SS, X	2	\$81.00
LGT11SS304W	1, Gate Valve, 304 SS, W	2	\$81.00
LGT11SS316X	1, Gate Valve, 316 SS, X	2	\$108.00
LGT11SS316W	1, Gate Valve, 316 SS, W	2	\$108.00
LGT1515SS304X	1.5, Gate Valve, 304 SS, X	3	\$138.00
LGT1515SS304W	1.5, Gate Valve, 304 SS, W	3	\$138.00
LGT1515SS316X	1.5, Gate Valve, 316 SS, X	3	\$185.00
LGT1515SS316W	1.5, Gate Valve, 316 SS, W	3	\$185.00
LGT22SS304X	2, Gate Valve, 304 SS, X	4	\$166.00
LGT22SS304W	2, Gate Valve, 304 SS, W	5	\$166.00
LGT22SS316X	2, Gate Valve, 316 SS, X	4	\$223.00
LGT22SS316W	2, Gate Valve, 316 SS, W	5	\$223.00
LGT2525SS304X	2.5, Gate Valve, 304 SS, X	9	\$468.00
LGT2525SS304W	2.5, Gate Valve, 304 SS, W	10	\$468.00
LGT2525SS316X	2.5, Gate Valve, 316 SS, X	9	\$625.00
LGT2525SS316W	2.5, Gate Valve, 316 SS, W	10	\$625.00
LGT33SS304X	3, Gate Valve, 304 SS, X	16	\$576.00
LGT33SS304W	3, Gate Valve, 304 SS, W	16	\$576.00
LGT33SS316X	3, Gate Valve, 316 SS, X	16	\$768.00
LGT33SS316W	3, Gate Valve, 316 SS, W	16	\$768.00
LGT44SS304X	4, Gate Valve, 304 SS, X	20	\$1,417.00
LGT44SS304W	4, Gate Valve, 304 SS, W	21	\$1,417.00
LGT44SS316X	4, Gate Valve, 316 SS, X	20	\$1,888.00
LGT44SS316W	4, Gate Valve, 316 SS, W	21	\$1,888.00

X=Cross top, W=Wheel handle

NOTE: Please specify - BSP or NPT thread type
BSP (British Standard Pipe) Thread
NPT (National Pipe) Thread

Gate valve (FPT) pressure rating:
200 PSI CWP (cold working pressure)
100 PSI SWP (steam working pressure)

**Mainline Gate Valve (Spigot x Bell)**

Model No.	Description	Wt. Kg.	List Price
DLMV-99SB	90 x 90 Spig x Bell Valve	55	\$384.00
DLMV-911SB	90 x 110 Spig x Bell Valve	60	\$466.00
DLMV-1111SB	110 x 110 Spig x Bell Valve	71	\$587.00
DLMV-1616SB	160 x 160 Spig x Bell Valve	120	\$763.00
DLMV-2020SB	200 x 200 Spig x Bell Valve	194	\$1,085.00
DLMV-2525SB	250 x 250 Spig x Bell Valve	317	\$1,651.00
DLMV-3232SB	315 x 315 Spig x Bell Valve	390	\$1,948.00

NOTE: Spigot end of valve is designed to insert into a Leemco gasket fitting as pictured above.

NOTE: Gasket bell end of valve have cast on self-restrained joint restraint system.

**Mainline Gate Valve (Flange x Flange)**

Model No.	Description	Wt. Kg.	List Price
DLMV-99FF	90 x 90 Flange Valve	29	\$663.00
DLMV-1111FF	110 x 110 Flange Valve	38	\$896.00
DLMV-1616FF	160 x 160 Flange Valve	64	\$1,136.00
DLMV-2020FF	200 x 200 Flange Valve	103	\$1,371.00
DLMV-2525FF	250 x 250 Flange Valve	198	\$2,189.00
DLMV-3232FF	315 x 315 Flange Valve	303	\$2,671.00
DLMV-4040FF	400 x 400 Flange Valve	420	\$7,570.00
DLMV-4545FF	450 x 450 Flange Valve	502	\$9,565.00

NOTE: Flange bolt, nut & gasket kits are sold separately. Please contact Leemco for pricing.

**Mainline Gate Valve (Bell x Bell)**

Model No.	Description	Wt. Kg.	List Price
DLMV-99BB	90 x 90 Bell x Bell Valve	66	\$502.00
DLMV-911B	90 x 110 Bell x Bell Valve	97	\$627.00
DLMV-1111BB	110 x 110 Bell x Bell Valve	97	\$735.00
DLMV-1616BB	160 x 160 Bell x Bell Valve	167	\$939.00
DLMV-2020BB	200 x 200 Bell x Bell Valve	273	\$1,243.00
DLMV-2525BB	250 x 250 Bell x Bell Valve	405	\$1,993.00
DLMV-3232BB	315 x 315 Bell x Bell Valve	524	\$2,299.00
DLMV-4040BB	400 x 400 Bell x Bell Valve	405	\$5,048.00
DLMV-4545BB	450 x 450 Bell x Bell Valve	524	\$6,376.00

NOTE: Gasket bell ends of valve have cast on self-restrained joint restraint system on sizes 90mm - 315mm only. 400mm and 450mm sizes require DLH-Series restraints. (Sold Separately)

Category D

Category E**Coupler (Compression)**

Model No.	Description	Bag QTY	List Price
90-SC-311	20 x 20 Coupler	300	\$4.00
90-RC-611	25 x 20 Coupler	200	\$5.00
90-SC-312	25 x 25 Coupler	180	\$5.00
90-RC-612	32 x 20 Coupler	150	\$5.00
90-RC-613	32 x 25 Coupler	150	\$5.00
90-SC-313	32 x 32 Coupler	120	\$6.00
90-RC-695	40 x 20 Coupler	60	\$6.00
90-RC-694	40 x 25 Coupler	60	\$7.00
90-RC-614	40 x 32 Coupler	60	\$7.00
90-SC-314	40 x 40 Coupler	60	\$9.00
90-RC-696	50 x 20 Coupler	50	\$9.00
90-RC-615	50 x 25 Coupler	50	\$9.00
90-RC-616	50 x 32 Coupler	50	\$9.00
90-RC-617	50 x 40 Coupler	40	\$10.00
90-SC-315	50 x 50 Coupler	40	\$11.00
90-RC-677	63 x 25 Coupler	30	\$12.00
90-RC-618	63 x 32 Coupler	30	\$11.00
90-RC-619	63 x 40 Coupler	30	\$12.00
90-RC-620	63 x 50 Coupler	30	\$13.00
90-SC-316	63 x 63 Coupler	30	\$17.00
90-RC-0604	75 x 40 Coupler	24	\$24.00
90-RC-679	75 x 50 Coupler	24	\$24.00
90-RC-621	75 x 63 Coupler	24	\$24.00
90-SC-317	75 x 75 Coupler	20	\$29.00
90-RC-622	90 x 63 Coupler	15	\$30.00
90-RC-623	90 x 75 Coupler	15	\$29.00
90-SC-318	90 x 90 Coupler	12	\$30.00
90-RC-625	110 x 90 Coupler	9	\$68.00
90-SC-319	110 x 110 Coupler	8	\$68.00

**90 Elbow (Compression)**

Model No.	Description	Bag QTY	List Price
90-EB-311	20 x 20 90 Elbow	300	\$5.00
90-EB-312	25 x 25 90 Elbow	180	\$5.00
90-EB-313	32 x 32 90 Elbow	100	\$6.00
90-EB-314	40 x 40 90 Elbow	60	\$7.00
90-EB-315	50 x 50 90 Elbow	40	\$11.00
90-EB-316	63 x 63 90 Elbow	20	\$18.00
90-EB-317	75 x 75 90 Elbow	18	\$33.00
90-EB-318	90 x 90 90 Elbow	10	\$34.00
90-EB-319	110 x 110 90 Elbow	6	\$75.00

Tee (Compression)

Model No.	Description	Bag QTY	List Price
90-ET-311	20 x 20 x 20 Tee	180	\$5.00
90-RT-611	25 x 25 x 20 Tee	120	\$6.00
90-ET-312	25 x 25 x 25 Tee	120	\$6.00
90-RT-612	32 x 32 x 20 Tee	80	\$6.00
90-RT-613	32 x 32 x 25 Tee	80	\$7.00
90-ET-313	32 x 32 x 32 Tee	60	\$7.00
90-RT-693	40 x 40 x 20 Tee	40	\$11.00
90-RT-694	40 x 40 x 25 Tee	40	\$11.00
90-RT-614	40 x 40 x 32 Tee	40	\$11.00
90-ET-314	40 x 40 x 40 Tee	40	\$11.00
90-RT-6150	50 x 50 x 20 Tee	30	\$13.00
90-RT-615	50 x 50 x 25 Tee	30	\$13.00
90-RT-616	50 x 50 x 32 Tee	30	\$13.00
90-RT-617	50 x 50 x 40 Tee	25	\$16.00
90-ET-315	50 x 50 x 50 Tee	25	\$16.00
90-RT-6180	63 x 63 x 25 Tee	20	\$22.00
90-RT-618	63 x 63 x 32 Tee	20	\$22.00
90-RT-619	63 x 63 x 40 Tee	20	\$12.00
90-RT-620	63 x 63 x 50 Tee	15	\$24.00
90-ET-316	63 x 63 x 63 Tee	15	\$25.00
90-RT-0604	75 x 75 x 40 Tee	12	\$48.00
90-RT-614	75 x 75 x 50 Tee	12	\$47.00
90-RT-615	75 x 75 x 63 Tee	12	\$48.00
90-ET-317	75 x 75 x 75 Tee	10	\$48.00
90-RT-616	90 x 90 x 63 Tee	8	\$48.00
90-RT-617	90 x 90 x 75 Tee	8	\$53.00
90-ET-318	90 x 90 x 90 Tee	6	\$48.00
90-RT-618	110 x 110 x 90 Tee	5	\$106.00
90-ET-319	110 x 110 x 110 Tee	4	\$106.00

**End Cap (Compression)**

Model No.	Description	Bag QTY	List Price
90-EC-311	20 Cap	500	\$4.00
90-EC-312	25 Cap	300	\$4.00
90-EC-313	32 Cap	200	\$5.00
90-EC-314	40 Cap	120	\$6.00
90-EC-315	50 Cap	60	\$7.00
90-EC-316	63 Cap	40	\$10.00
90-EC-317	75 Cap	30	\$18.00
90-EC-318	90 Cap	20	\$19.00
90-EC-319	110 Cap	12	\$53.00

Category E**Male Threaded Adapter (Compression)**

Model No.	Description	Bag QTY	List Price
90-MA-513	20 x .5 Male Adapter	500	\$4.00
90-MA-514	20 x .75 Male Adapter	500	\$4.00
90-MA-515	25 x .5 Male Adapter	300	\$4.00
90-MA-516	25 x .75 Male Adapter	300	\$4.00
90-MA-517	25 x 1 Male Adapter	300	\$4.00
90-MA-518	32 x .75 Male Adapter	200	\$5.00
90-MA-519	32 x 1 Male Adapter	200	\$5.00
90-MA-585	32 x 1.25 Male Adapter	200	\$5.00
90-MA-559	40 x .75 Male Adapter	120	\$6.00
90-MA-520	40 x 1 Male Adapter	120	\$6.00
90-MA-521	40 x 1.25 Male Adapter	120	\$6.00
90-MA-522	40 x 1.5 Male Adapter	120	\$6.00
90-MA-528	50 x 1.25 Male Adapter	60	\$6.00
90-MA-526	50 x 1.5 Male Adapter	60	\$7.00
90-MA-527	50 x 2 Male Adapter	60	\$7.00
90-MA-530	63 x 1.5 Male Adapter	40	\$10.00
90-MA-531	63 x 2 Male Adapter	40	\$10.00
90-MA-532	75 x 2 Male Adapter	30	\$18.00
90-MA-533	75 x 2.5 Male Adapter	30	\$18.00
90-MA-537	90 x 3 Male Adapter	20	\$19.00
90-MA-569	110 x 4 Male Adapter	12	\$40.00

**Female Threaded Adapter (Compression)**

Model No.	Description	Bag QTY	List Price
90-FA-513	20 x .5 Female Adapter	500	\$4.00
90-FA-514	20 x .75 Female Adapter	500	\$4.00
90-FA-515	25 x .5 Female Adapter	300	\$4.00
90-FA-516	25 x .75 Female Adapter	300	\$4.00
90-FA-517	25 x 1 Female Adapter	300	\$4.00
90-FA-518	32 x .75 Female Adapter	200	\$5.00
90-FA-519	32 x 1 Female Adapter	200	\$5.00
90-FA-520	40 x 1 Female Adapter	120	\$6.00
90-FA-521	40 x 1.25 Female Adapter	120	\$6.00
90-FA-522	40 x 1.5 Female Adapter	100	\$6.00
90-FA-526	50 x 1.5 Female Adapter	60	\$9.00
90-FA-5310	63 x 1.5 Female Adapter	40	\$12.00
90-FA-5310	63 x 2 Female Adapter	40	\$12.00
90-FA-532	75 x 2 Female Adapter	30	\$21.00
90-FA-533	75 x 2.5 Female Adapter	30	\$21.00
90-FA-537	90 x 3 Female Adapter	20	\$23.00
90-FA-569	110 x 4 Female Adapter	12	\$48.00

Male Threaded Tee (Compression)

Model No.	Description	Bag QTY	List Price
90-MT-513	20 x 20 x .5 MPT Tee	200	\$4.00
90-MT-514	20 x 20 x .75 MPT Tee	200	\$4.00
90-MT-515	25 x 25 x .5 MPT Tee	150	\$4.00
90-MT-516	25 x 25 x .75 MPT Tee	150	\$4.00
90-MT-517	25 x 25 x 1 MPT Tee	150	\$4.00
90-MT-518	32 x 32 x .75 MPT Tee	80	\$5.00
90-MT-519	32 x 32 x 1 MPT Tee	80	\$5.00
90-MT-520	40 x 40 x 1 MPT Tee	40	\$7.00
90-MT-521	40 x 40 x 1.25 MPT Tee	40	\$7.00
90-MT-528	50 x 50 x 1.25 MPT Tee	30	\$10.00
90-MT-526	50 x 50 x 1.5 MPT Tee	30	\$40.00
90-MT-531	63 x 63 x 2 MPT Tee	20	\$17.00
90-MT-532	75 x 75 x 2 MPT Tee	15	\$31.00
90-MT-533	75 x 75 x 2.5 MPT Tee	15	\$32.00
90-MT-537	90 x 90 x 3 MPT Tee	8	\$32.00
90-MT-569	110 x 110 x 4 MPT Tee	5	\$60.00

**Female Threaded Tee (Compression)**

Model No.	Description	Bag QTY	List Price
90-FT-513	20 x 20 x .5 FPT Tee	200	\$5.00
90-FT-514	20 x 20 x .75 FPT Tee	200	\$5.00
90-FT-515	25 x 25 x .5 FPT Tee	150	\$5.00
90-FT-516	25 x 25 x .75 FPT Tee	150	\$5.00
90-FT-517	25 x 25 x 1 FPT Tee	150	\$6.00
90-FT-518	32 x 32 x .75 FPT Tee	80	\$6.00
90-FT-519	32 x 32 x 1 FPT Tee	80	\$6.00
90-FT-520	40 x 40 x 1 FPT Tee	40	\$10.00
90-FT-521	40 x 40 x 1.25 FPT Tee	40	\$10.00
90-FT-526	50 x 50 x 1.5 FPT Tee	30	\$13.00
90-FT-5310	63 x 63 x 1.5 FPT Tee	30	\$20.00
90-FT-531	63 x 63 x 2 FPT Tee	30	\$20.00
90-FT-533	75 x 75 x 2.5 FPT Tee	15	\$38.00
90-FT-537	90 x 90 x 3 FPT Tee	8	\$40.00
90-FT-569	110 x 110 x 4 FPT Tee	5	\$74.00

**Male Threaded 90 Elbow (Compression)**

Model No.	Description	Bag QTY	List Price
90-MB-513	20 x .5 MPT 90 Elbow	400	\$4.00
90-MB-514	20 x .75 MPT 90 Elbow	400	\$4.00
90-MB-515	25 x .5 MPT 90 Elbow	250	\$4.00
90-MB-516	25 x .75 MPT 90 Elbow	250	\$4.00
90-MB-517	25 x 1 MPT 90 Elbow	250	\$5.00
90-MB-518	32 x .75 MPT 90 Elbow	150	\$5.00
90-MB-519	32 x 1 MPT 90 Elbow	150	\$5.00
90-MB-520	40 x 1 MPT 90 Elbow	80	\$6.00
90-MB-521	40 x 1.25 MPT 90 Elbow	80	\$6.00
90-MB-522	40 x 1.5 MPT 90 Elbow	80	\$6.00
90-MB-528	50 x 1.25 MPT 90 Elbow	50	\$9.00
90-MB-526	50 x 1.5 MPT 90 Elbow	50	\$9.00
90-MB-527	50 x 2 MPT 90 Elbow	50	\$8.00
90-MB-531	63 x 2 MPT 90 Elbow	30	\$11.00
90-MB-5330	75 x 2 MPT 90 Elbow	24	\$21.00
90-MB-533	75 x 2.5 MPT 90 Elbow	24	\$21.00
90-MB-537	90 x 3 MPT 90 Elbow	12	\$21.00
90-MB-569	110 x 4 MPT 90 Elbow	8	\$43.00

**Female Threaded 90 Elbow (Compression)**

Model No.	Description	Bag QTY	List Price
90-FB-513	20 x .5 FPT 90 Elbow	400	\$3.00
90-FB-514	20 x .75 FPT 90 Elbow	400	\$3.00
90-FB-515	25 x .5 FPT 90 Elbow	250	\$3.00
90-FB-516	25 x .75 FPT 90 Elbow	250	\$3.00
90-FB-517	25 x 1 FPT 90 Elbow	250	\$3.00
90-FB-572	32 x .5 FPT 90 Elbow	150	\$4.00
90-FB-518	32 x .75 FPT 90 Elbow	150	\$4.00
90-FB-519	32 x 1 FPT 90 Elbow	150	\$4.00
90-FB-520	40 x 1 FPT 90 Elbow	80	\$5.00
90-FB-521	40 x 1.25 FPT 90 Elbow	80	\$5.00
90-FB-526	50 x 1.5 FPT 90 Elbow	50	\$8.00
90-FB-5310	63 x 1.5 FPT 90 Elbow	30	\$11.00
90-FB-531	63 x 2 FPT 90 Elbow	30	\$11.00
90-FB-533	75 x 2.5 FPT 90 Elbow	24	\$19.00
90-FB-537	90 x 3 FPT 90 Elbow	12	\$19.00
90-FB-569	110 x 4 FPT 90 Elbow	8	\$38.00

**Flanged Adapter (Compression)**

Model No.	Description	Bag QTY	List Price
90-FLA16-316	63, Compression x Flange	2	\$167.00
90-FLA16-318	90, Compression x Flange	4	\$216.00
90-FLA16-319	110, Compression x Flange	6	\$356.00

**Full Face Rubber Gasket - (BS 10)**

Model No.	Description	Wt. Kg.	List Price
50G-BS10	2, 50mm FF Gasket	1	\$6.00
65G-BS10	2.5, 65mm FF Gasket	1	\$6.00
80G-BS10	3, 80mm FF Gasket	1	\$7.00
100G-BS10	4, 100mm FF Gasket	1	\$7.00
150G-BS10	6, 150mm FF Gasket	1	\$9.00
200G-BS10	8, 200mm FF Gasket	1	\$13.00
250G-BS10	10, 250mm FF Gasket	1	\$18.00
300G-BS10	12, 300mm FF Gasket	1	\$25.00

Full Face Rubber Gasket - (BS 4504)

Model No.	Description	Wt. Kg.	List Price
50G-BS4504	2, 50mm FF Gasket	1	\$6.00
80G-BS4504	3, 80mm FF Gasket	1	\$7.00
100G-BS4504	4, 100mm FF Gasket	1	\$11.00
150G-BS4504	6, 150mm FF Gasket	1	\$11.00
200G-BS4504	8, 200mm FF Gasket	1	\$17.00
250G-BS4504	10, 250mm FF Gasket	1	\$20.00
300G-BS4504	12, 300mm FF Gasket	1	\$27.00

**NOTE: Compression fitting Installation Guide
(Located on Page 31)**

**Clamp Saddles (32mm - 225mm) BSP Thread**

Model No.	Description	Bag QTY	List Price
CS572CP	32 x .5 Saddle	240	\$6.00
CS518CP	32 x .75 Saddle	240	\$6.00
CS519CP	32 x 1 Saddle	240	\$6.00
CS573CP	40 x .5 Saddle	180	\$6.00
CS559CP	40 x .75 Saddle	180	\$6.00
CS520CP	40 x 1 Saddle	180	\$6.00
CS574CP	50 x .5 Saddle	150	\$6.00
CS523CP	50 x .75 Saddle	150	\$6.00
CS524CP	50 x 1 Saddle	150	\$6.00
CS575CP	63 x .5 Saddle	100	\$7.00
CS528CP	63 x .75 Saddle	100	\$9.00
CS529CP	63 x 1 Saddle	100	\$9.00
CS586CP	63 x 1.25 Saddle	100	\$9.00
CS576CP	75 x .5 Saddle	60	\$11.00
CS570CP	75 x .75 Saddle	60	\$11.00
CS571CP	75 x 1 Saddle	60	\$11.00
CS588CP	75 x 1.25 Saddle	60	\$11.00
CS589CP	75 x 1.5 Saddle	60	\$12.00
CS532CP	75 x 2 Saddle	60	\$12.00
CS577CP	90 x .5 Saddle	40	\$12.00
CS534CP	90 x .75 Saddle	40	\$12.00
CS535CP	90 x 1 Saddle	40	\$12.00
CS564CP	90 x 1.25 Saddle	40	\$13.00
CS565CP	90 x 1.5 Saddle	40	\$13.00
CS536CP	90 x 2 Saddle	40	\$13.00
CS578CP	110 x .5 Saddle	40	\$17.00
CS538CP	110 x .75 Saddle	40	\$17.00
CS539CP	110 x 1 Saddle	40	\$17.00
CS560CP	110 x 1.25 Saddle	40	\$17.00
CS561CP	110 x 1.5 Saddle	40	\$18.00
CS540CP	110 x 2 Saddle	40	\$21.00
CS579CP	125 x .5 Saddle	30	\$21.00
CS541CP	125 x .75 Saddle	30	\$21.00
CS542CP	125 x 1 Saddle	30	\$19.00
CS566CP	125 x 1.25 Saddle	30	\$20.00
CS543CP	125 x 2 Saddle	30	\$20.00
CS580CP	160 x .5 Saddle	20	\$28.00
CS544CP	160 x .75 Saddle	20	\$26.00
CS545CP	160 x 1 Saddle	20	\$26.00
CS562CP	160 x 1.25 Saddle	20	\$28.00
CS563CP	160 x 1.5 Saddle	20	\$28.00
CS546CP	160 x 2 Saddle	20	\$28.00
CS547CP	180 x .75 Saddle	15	\$35.00

**Category E****Clamp Saddles (32mm - 225mm) BSP Thread**

Model No.	Description	Bag QTY	List Price
CS548CP	180 x 1 Saddle	15	\$38.00
CS592CP	180 x 1.25 Saddle	15	\$39.00
CS593CP	180 x 1.5 Saddle	15	\$39.00
CS549CP	180 x 2 Saddle	15	\$39.00
CS594CP	200 x 1 Saddle	12	\$51.00
CS595CP	200 x 1.25 Saddle	12	\$51.00
CS597CP	200 x 1.5 Saddle	12	\$48.00
CS596CP	200 x 2 Saddle	12	\$48.00
CS550CP	225 x .75 Saddle	10	\$55.00
CS551CP	225 x 1 Saddle	10	\$55.00
CS567CP	225 x 1.25 Saddle	10	\$56.00
CS552CP	225 x 2 Saddle	10	\$56.00

**Hexagon Nipples (BSP)**

Model No.	Description	Bag QTY	List Price
105410AF	.5 Hexagon Nipple	2000	\$4.00
105411AF	.75 Hexagon Nipple	1200	\$40.00
105412AF	1 Hexagon Nipple	800	\$4.00
105413AF	1.25 Hexagon Nipple	500	\$5.00
105414AF	1.5 Hexagon Nipple	400	\$5.00
105416AF	2 Hexagon Nipple	250	\$6.00
105422AF	3 Hexagon Nipple	80	\$20.00
105428AF	4 Hexagon Nipple	50	\$25.00
106111AF	.75 x .5 Hexagon Nipple	1200	\$4.00
106112AF	1 x .75 Hexagon Nipple	800	\$4.00
106123AF	2 x 1 Hexagon Nipple	300	\$6.00
106115AF	3 x 2 Hexagon Nipple	100	\$20.00
106170AF	4 x 3 Hexagon Nipple	50	\$25.00

**Hexagon Reducing Bushing (BSP)**

Model No.	Description	Bag QTY	List Price
107110AF	.75 x .5 Hex Bushing	3000	\$4.00
107115AF	1 x 1.5 Hex Bushing	1200	\$4.00
107112AF	1 x .75 Hex Bushing	1200	\$4.00

Specifications

Fitting Specification:

Fittings shall be ductile iron, slanted, deep bell, gasket style made in accordance with ASTM A-536, Grade 65-45-12 & AWWA C153. Fittings shall have four lugs to accommodate joint restraints and other fittings. Bell section shall allow 5-degree freedom of pipe deflection within the bell end. All gaskets shall be manufactured of high grade EPDM rubber and shall be rib-enforced "U-Cup" design to seal and assist in restraining pipe at all pressures. All IPS, DPS & DIN fittings shall have Epoxy Coating as standard finish. Epoxy Coating on interior & exterior surfaces of fittings shall be fusion bonded epoxy, 10-12 mil thickness. The epoxy coated fittings shall pass 90-Day immersion tests per CSA Z245.20-98. All fittings shall be manufactured by Leemco, Inc., U.S.A.

Self Restrained Fitting Specification:

Fittings shall ductile iron, slanted, deep bell, gasket style made in accordance with ASTM A-536, Grade 65-45-12 & AWWA C153. Fittings shall have joint restraint system cast within the fitting. Joint restraints shall have blunt cast serrations, so damage of the outer pipe surface will not occur. Machined threaded restraints shall not be allowed. All gaskets shall be manufactured of high grade EPDM rubber and shall be rib-enforced "U-Cup" design to seal and assist in restraining pipe at all pressures. Epoxy Coating on interior & exterior surfaces of fittings shall be fusion bonded epoxy, 10-12 mil thickness. The epoxy coated fittings shall pass 90-Day immersion tests per CSA Z245.20-98. All fittings shall be manufactured by Leemco, Inc., U.S.A.

Joint Restraint Specification:

All changes of directions and reductions shall be mechanically restrained. Additional adjacent joints shall also be restrained as per manufactures recommendations. Joint Restraints shall be ductile iron and made in accordance with ASTM A-536, Grade 65-45-12 & AWWA C153. All Restraints shall have blunt cast serrations. Machine threaded restraints shall not be allowed. All restraints shall have Epoxy Coating as standard finish. Epoxy Coating shall be fusion bonded epoxy, 10-12 mil thickness. The epoxy coated restraints shall pass 90-Day immersion tests per CSA Z245.20-98. All Joint Restraints shall be manufactured by Leemco, Inc., U.S.A.

Lateral Angle Valve Specification:

Lateral to mainline connection shall be made with ductile iron, resilient seated angle valve. Valve body and restraint clamps shall be fusion bonded epoxy, 10-12 mil thickness. Valve mechanism and hardware shall be made of 100% stainless steel. The valve stem shall be fine threaded stainless steel, O-Ring sealed for ease of operation. Valve connection to the mainline fitting shall be spigot x bell, mechanically attached and swivel about the base 360 degrees to allow positioning of valve outlet to any desired direction. Valve outlet shall be deep bell, gasket and equipped with integrally cast joint restraint clamps to securely fasten pipe to the valve. Restraint shall have blunt cast serrations. Machined threaded restraints will not be allowed. Swivel style extensions shall be stackable. Valve shall have a shroud around the valve stem to accept IPS PVC sleeve. All lateral to mainline transitions shall be as manufactured by Leemco, Inc., U.S.A.

Globe Valve Specification:

Lateral to mainline connection shall be made with ductile iron, resilient seated globe valve. Valve body and restraint clamps shall be constructed of ductile iron per ASTM A-536, Grade 65-45-12. Epoxy coating on all interior and exterior surfaces shall be fusion bonded epoxy, 10-12 mil thickness. Valve mechanism and hardware shall be made of 100% stainless steel. The valve stem shall be fine threaded stainless steel, O-Ring sealed for ease of operation. Valve connection to the mainline fitting shall be spigot x bell, mechanically attached and swivel about the base 360 degrees to allow positioning of valve outlet to any desired direction. Valve outlet shall be deep bell, gasket and equipped with integrally cast joint restraint clamps to securely fasten pipe to the valve. Restraint shall have blunt cast serrations. Machine threaded restraints will not be allowed. Riser extensions shall be stackable. Valve shall have a shroud around the stem to accept IPS PVC sleeve. All lateral to mainline transitions shall be as manufactured by Leemco, Inc., U.S.A.

Mainline Gate Valve Specification:

All mainline valves shall be resilient wedge and conform to AWWA C153 standards. Material shall be ductile iron per ASTM A-536, Grade 65-45-12. Epoxy coating on all interior and exterior surfaces shall be fusion bonded epoxy, 12-14 mil thickness. The epoxy coating shall pass 90-Day immersion tests per CSA Z245.20-98. Gate valves shall be available in spigot x bell, bell x bell, flanged and mechanical joint models to mechanically connect to fittings or plastic pipe. Restraints shall have blunt cast serrations. Machine threaded restraints will not be allowed. Valves shall have a shroud around the 2" operating nut to accept IPS PVC sleeve which provides dirt free access to actuate the valve. All mainline gate valves shall be as manufactured by Leemco, Inc., U.S.A.

Specifications**Saddle Specification:**

All Saddle bodies shall be constructed of ductile iron per ASTM A-536, Grade 65-45-12, AWWA C153 standards. RSST, RSDT RSLs & RDLS-Series straps and hardware shall be 304 stainless steel. Saddle gaskets shall be constructed of high grade EPDM rubber per ANSI/AWWA C111/A21.11 standards. Epoxy coating shall be 10-12 mil thickness to protect against corrosive soils. 2" LAT Bell outlet accepts Leemco lateral connections. All saddles shall be manufactured by Leemco, Inc. U.S.A.

Quick Coupling Valve Stabilizer Specification:

All quick coupling valves shall be secured by utilizing a Leemco stabilizer to prevent bodily harm due to slowly disengaging the valve from its base by normal operation and also prevent vandalism. All quick coupling valve stabilizers shall be as manufactured by Leemco, Inc., U.S.A.

Stainless Steel Ball & Gate Valve Specification:

All threaded gate and ball valves shall be constructed of 304 or 316 stainless steel. Ball valves are rated for 1000psi CWP and Gate Valves are rated for 200psi. Bronze or brass gate and ball valves will not be approved. All gate and ball valves shall be manufactured by Leemco, Inc. U.S.A.

Stainless Steel Internal Pipe Stiffener Specification:

All internal pipe stiffeners shall be constructed of high grade 304 stainless steel. Pipe stiffeners shall be one piece with self adjusting design for secure connection to the inside of the HDPE pipe. All internal pipe stiffeners shall be manufactured by Leemco, Inc. U.S.A.

Stainless Steel Fittings:

All threaded 1", 1.5" and 2" fittings shall be constructed of 100% 304 or 316 stainless steel. Fittings are rated at 300 PSI CWP, and 150 PSI SWP. Brass, bronze, Galvanized or plastic fittings will not be approved. All stainless steel fittings shall be manufactured by Leemco, Inc. U.S.A.

Epoxy Coating Specification:

All interior and exterior surfaces of fittings and valves shall be fusion bonded Leem-Guard epoxy, consisting of thermoplastic powder formulated specifically for underground piping components and shall conform to the requirements of CSA Z245.20-20 and NSF 61 for water services. The average mil thickness shall be 10-12; the minimum thickness shall be 5 mils. The epoxy coat shall be electro-statically applied to chemically etch and heated (460 degree F) substrate surfaces, cured and quenched. The epoxy coated products shall pass 90-Day Immersion tests per CSA Z245.20-98. Care must be taken not to chip or damage coated products, prior to, during and after installation.

Polypropylene Plastic Compression Fittings & Saddles:

All compression fittings and plastic saddle models shall be designed for HDPE or PVC plastic pipe. Sizes available are 63mm - 110mm. Fittings shall be constructed of polypropylene plastic. Clinching rings shall be constructed of acetal copolymer and O-rings made of NBR rubber. All fittings and saddles shall be manufactured by Leemco, Inc. U.S.A.

Please visit our website @ www.Leemco.com to get the latest product specifications

Installation Guide**Before you begin...**

- Inspect all products to insure rubber gaskets are installed properly
- Inspect all products to insure correct amount of bolts, nuts and washers are included
- Inspect all products for any noticeable cracks, pinholes or visual defects before installing

Tools required...

- Torque wrench
- Socket wrenches and open end wrenches
- Pipe beveller
- Seal Lube or gasket lubricant
- W-D 40 or steel thread lubricant



Installation Guide**Fitting and Push-on Valve Installation****Gasket Insertion**

Leemco gaskets are ribbed (U-Cup) design. The gasket nests in the recess (gasket groove) of the bell end with the front of the gasket smooth. The back of the gasket has series of notches or ribs.

Field Cut Pipe

The outside edge of the cut pipe must be beveled and smoothed as any sharp corner may cause gasket damage. Straight alignment is especially important when assembling field cut pipe.

Spigot x Bell Joints

Lubricant must be applied to the installed gasket to reduce friction and avoid gasket damage. Also apply a thin coat of lubricant to the beveled portion of the plain end of pipe or the spigot end of the fitting. Commercially available push-on joint lubricants are non-toxic, odorless, tasteless and do not support bacteria. "Seal Lube" SK#87710, offered by IPS Weldon Corp. is one such lubricant.

Joining

Small diameter pipe can be inserted by pushing the plain end into bell socket of fitting with a long bar. Larger diameter pipe require the use of a backhoe, jack or come-a-long tool.

Saddle Installation

Clean pipe surface where saddle gasket will seat against pipe. Inspect saddle to insure that the saddle gasket is not ripped or damaged. Install saddle boss (top) of saddle onto the pipe and install bottom stainless steel strap and tighten nuts to 20-25 ft-lbs of torque. Make sure to tighten nuts evenly so stainless steel strap is not crooked. Drill hole through the pipe (access is through the saddle outlet). The port size is determined by the Irrigation Consultant or the pipe manufacture. With 2" outlet saddles, the port size is in the range of 1" to 1.25" diameter. With smaller diameter pipe (3" and 4"), larger port sizes will take away too much pipe material and weaken the pipe at the port location. Please contact your Irrigation Consultant on proper port sizes.

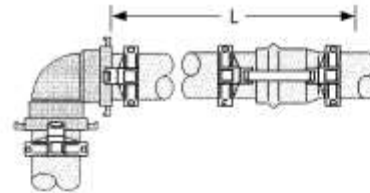
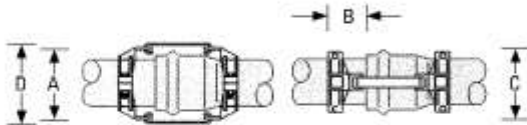


Please refer to our website @ www.Leemco.com for complete Installation Guides.

Guides are available in English, Spanish and Mandarin languages.

Installation Guide**Joint Restraint System
Technical Information**

When the distance between a fitting and the next joint is other than 6 meters, use table A (on the right). This table shows the distance (in meters) between two joints within which if there is a joint, it must be mechanically restrained. The table values are based on 10 KG/cm² pressure and 0.8-1.2 meter depth of bury. For other pressure multiply the numbers in the table by the actual pressure and divide by 10.

**Table A. Minimum Restraint Length (L)
in meters**

Pipe Size	Bends				Step Reduction			Dead Gate	
	11	22	45	90	1	2	3	End	Valve
63	0.3	0.3	0.6	1.8				5.8	3.0
75	0.3	0.6	1.2	2.7	1.2			7.0	3.6
90	0.6	0.9	1.8	3.3	2.4	3.0		9.1	4.5
110	0.6	1.2	2.7	6.0	4.3	6.0	9.3	13.6	7.0
160	0.9	1.8	3.9	8.7	9.0	12.0	13.6	19.1	9.3
200	1.2	2.4	4.5	11.6	10.0	16.7	19.1	22.7	11.5
250	1.5	2.7	6.0	13.7	9.3	16.8	22.7	29.1	14.5
315	1.5	3.0	6.4	16.1	16.3	16.9	23.9	33.9	17.0

Step Reduction Example: 1. Step: (200-160) 2. Step: (200-110) 3. Step: (200-90)

Hardware Size and Torque Requirements

Size	Bolts	Bolt Size	Bolt PN	Price	Moment Kg-meter	Dimensions (MM)			
						A	B	C	D
63	2	3/8-16 x 2.5	HD-J1	\$1.60	2.7	104	80	122	127
75	2	3/8-16 x 2.5	HD-J1	\$1.60	2.7	130	80	127	140
90	2	3/8-16 x 2.5	HD-J1	\$1.60	2.7	142	86	150	165
110	2	1/2-13 x 3	HD-J2	\$3.25	6.0	170	97	185	193
160	2	1/2-13 x 3.5	HD-J3	\$3.75	6.5	232	117	249	251
200	4	1/2-13 x 4	HD-J4	\$4.50	7.0	284	150	305	310
250	4	5/8-11 x 5.5	HD-J5	\$9.35	14.0	340	185	376	376
315	4	5/8-11 x 5.5	HD-J5	\$9.35	14.0	391	224	445	424

Conversion Factors

1 inch = 25.4 mm
 1psi = 0.0689 kg/cm
 1 gpm = 0.227 cu meter/hr
 1ft-lb = 0.139 kg-meter
 1 mm = 0.0394 inch
 1 kg/cm² = 14.5 psi
 1 cu meter/hr = 4.41 gpm
 1 kg-meter = 7.216 ft-lb

Outside Diameter of Pipe (inch)

IPS Nominal	IPS Actual	BSP Actual	DIN Actual	JIS Actual
1-1/2	1.900	1.894	1.969	1.890
2	2.375	2.370	2.480	2.362
2-1/2	2.875	2.961	2.953	2.992
3	3.500	3.492	3.543	3.504
4	4.500	4.488	4.331	4.488
6	6.625	6.614	6.299	6.496
8	8.625	8.614	7.874	8.504
10	10.750	10.748	9.843	10.510
12	12.750	12.752	12.402	12.520

Outside Diameter of Pipe (mm)

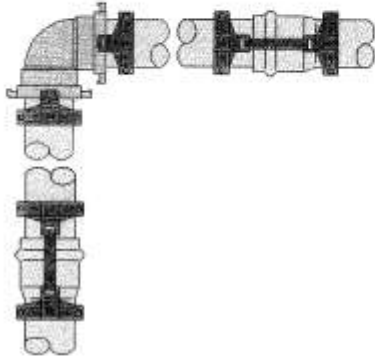
IPS Nominal	IPS Actual	BSP Actual	DIN Actual	JIS Actual
1-1/2	48.3	48.1	50	48
2	60.4	60.2	63	60
2-1/2	73.0	75.2	75	76
3	88.9	88.7	90	89
4	114.3	114.0	110	114
6	168.3	168.0	160	165
8	219.1	218.8	200	216
10	273.1	273.0	250	267
12	323.9	323.9	315	318

Installation Guide

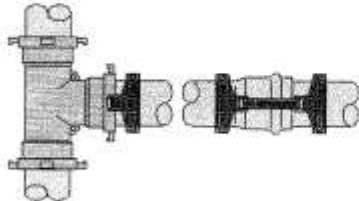
JR Quick Selection Guide

**Based on 10 Kg/cm² pressure and
6 - meter length pipe**

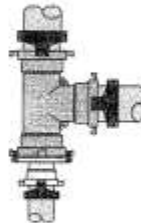
(For shorter pipe lengths, refer to page 10).



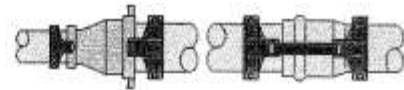
Bend: Requires restraints on both ends. Other joints on both sides may require restraints (See Table).



Standard Tee: Requires JR for branch side only. Use 90 -degree bend data for additional joints.



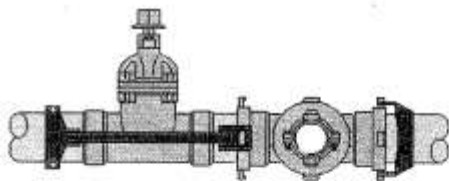
Reducing Tee: Must be restrained on all three sides



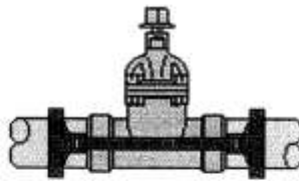
Reducers: Must be restrained on both ends. Additional joints on the larger end are required.



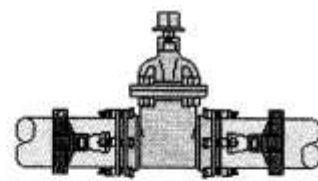
Dead End: adjacent joint restraints are required on several upstream joints.



DLGK-Series attaches pipe to fitting



DLG-Series for Gate valve
Additional restraints are required on both sides.



DLMJ -Series for MJ or
Flanged Gate valves



Bridge Crossing:

All joints require joint restraints as shown adjacent joints prior and after offsets (not shown) also require joint restraints.



Vertical Offset:

All joints must be restrained in between offsets as well as the adjacent joints must be restrained.

Always use DLH-Series to restrain the fitting.

Table below shows the number of adjacent joints to restrain...

Pipe Size	Bends				Step Reduction			Dead Gate	
	11	22	45	90	1	2	3	End	Valve
2"									
2.5"								1	
3"								1	
4"				1		1	1	2	1
6"				1		1	2	3	1
8"				1		1	2	3	1
10"			1	2		1	2	4	2
12"			1	2		2	2	4	2
14"			1	3		2	3	4	NA
16"			1	3		2	3	5	NA

Step Reduction Example: 1 Step (200-160), 2 Step (200-110) 3 Step (200-90).



PUSH-FIT COMPRESSION FITTING - INSTALLATION GUIDE



1. Cut the pipe square with a proper pipe cutter.



2. Mark the insertion depth of the pipe.



3. Loosen the locking nut by two or three threads without removing the locking nut.



4. Insert the pipe into the fitting. Make sure the pipe is right at the correct depth.



5. Join another outlet.



6. Tighten the locking nut after the pipe is fully inserted. To ensure the fitting is fastened, make sure the locking nut exceed the last thread of the body.

Insertion Table	
Pipe O.D (mm)	Insertion Depth (mm)
16	35
20	50
25	65
32	70
40	80
50	90
63	100
75	106
90	130
110	155

TERMS:

Net 30 days

Conditions of Sale**FREIGHT:**

FOB Leemco warehouses; Prepaid freight \$2,000 net (United States only)

CLAIMS:

Shipping errors must be reported to Leemco within 15 days of receipt. Claims for damages or shortages in transit should be handled with the carrier by the consignee.

RETURN POLICY:

All product returns must have an approved RGA (Returned Goods Authorization) form signed by a Leemco Representative. This form can be downloaded from the Leemco website @ www.Leemco.com. No credit shall be issued for returns without this information. Leemco will not issue a check or cash refund for the returned goods amount. Credit will be issued to the Distributors account and this dollar amount will be deducted from all future purchases, until a zero balance is achieved.

All product returns shall be subject to a twenty percent (20%) refurbishing charge. The Purchaser shall be responsible for shipment of all Leemco returned goods; freight prepaid to Leemco factory located at 360 S. Mount Vernon Ave, Colton, CA. 92324. This shall include, but not limited to all packing, handling, shipping and the cost thereof for all Leemco products. In the event of any portion of the original order had been shipped freight allowed by Leemco is returned, the Purchaser shall be responsible for the cost of the outgoing freight charges, as well as handling charges related to the returned goods. The handling charges shall be calculated as the sale ability and refurbishing cost of the returned product.

Fittings returned without links, gaskets, bolts, etc. shall be charged for the cost of the missing items and associated labor including a handling charge. It is the responsibility of the Distributor, Dealer or Contractor to inspect all received goods and immediately notify Leemco of any defects or deficiencies. The Distributor Dealer or Contractor has 30 days from the date of the original Leemco invoice to report missing items and seek remedies immediately. Goods badly damaged or construed to have excessive rust, and mud deposits shall be charged a refurbishing fee.

Suitability:

Ductile iron products are not suitable for exposure to saline (ocean) water or injection of chemical fertilizers with acidity lower than 6.3 PH. Although Epoxy coatings will protect ductile iron products against chemical attacks, care must be taken during installation of Epoxy coated products not to nick the coating and expose bare metal. Leemco, Inc. shall not warrant its products for exposure to acetic and aggressive soils without carefully applied and installed protective coating. The following warranty applies only to products that comply with Leemco, Inc. application and requirements as stated herein.

Warranty:

Leemco, Inc. warrants its products to be free of defects in materials and workmanship when purchased from an authorized distributor for a period of five (5) years and used for normal use. (refer to Suitability stipulations above) If the constituent becomes defective during the Limited Warranty period, Leemco shall replace it at no charge to the customer. Seller shall not be liable for the costs of any repairs or work done or materials purchased by the Buyer because of defective items, unless in writing by the seller. IN NO EVENT SHALL SELLER BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES unless applicable federal law forbids exclusions of incidental or consequential damages. Under special purchase agreements, Leemco offers extended warranty programs; for details please contact the factory. View complete Leemco Warranty Information @ www.Leemco.com

Disclaimer:

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Price/Offer:

Price subject to change without notice. Possession of price sheet does not constitute an obligation to sell.

Offer to sell at the sole discretion of LEEMCO, INC. and is not implied by possession of this or other LEEMCO price lists.