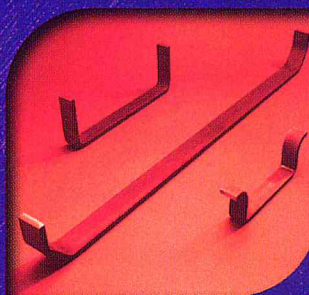
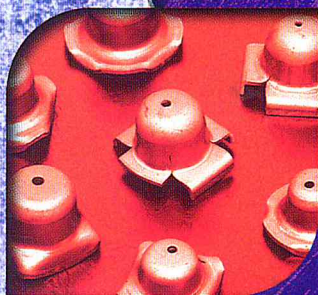
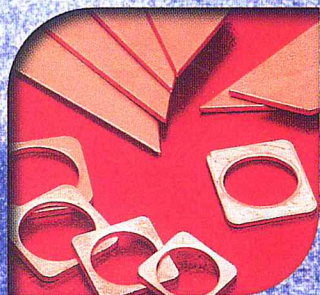




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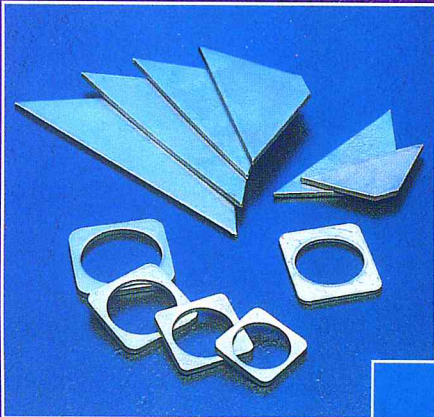
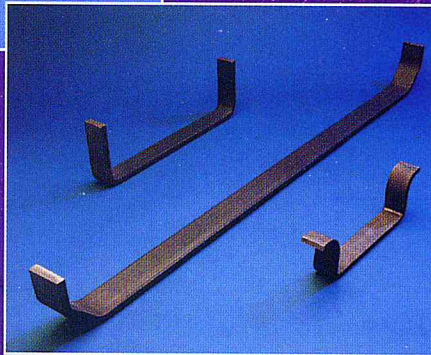
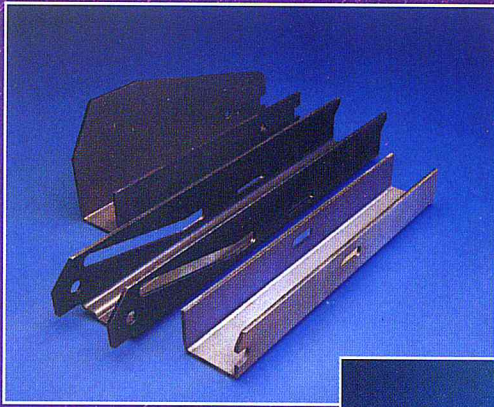
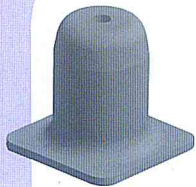


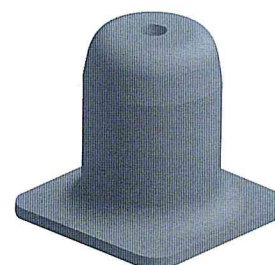
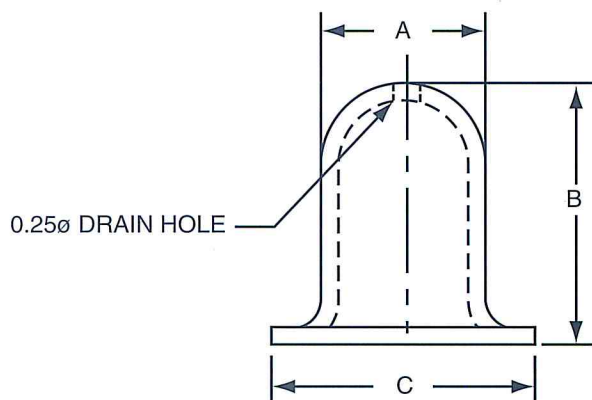
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Stacking Caps

TUBE SIZE	PART NAME	DIM A	DIM B	DIM C	DESCRIPTION
1.50"	1750	1.25	1.30	1.50	11 Gauge
1.50"	1753	1.00	1.50	1.50	11 Gauge
1.75"	1728	1.25	2.00	1.75	11 Gauge
2.00"	1338	1.56	2.40	2.00	11 Gauge
2.00"	1738	1.25	1.90	2.00	Two Drain Holes/11 Gauge
2.00"	1738-B	1.25	1.90	2.00	One Drain Hole/11 Gauge
2.00"	1738-B-NH	1.25	1.90	2.00	No Drain Hole/11 Ga.
2.00"	1752	0.75	0.75	2.00	Optional Round Base
2.00"	1758	1.75	1.50	2.00	11 Gauge
2.00"	1828	1.50	1.40	2.00	11 Gauge
2.00"	1838	1.56	2.00	2.00	11 Gauge
2.00"	1848	1.56	1.50	2.00	11 Gauge
2.10"	1459	1.56	2.00	2.10	11 Gauge
2.10"	1853	1.56	1.56	2.12	11 Gauge
2.25"	1456	1.56	2.00	2.25	11 Gauge
2.25"	1770	1.75	0.80	2.25	11 Gauge
2.50"	1148	1.87	1.50	2.50	11 Gauge
2.50"	1248	1.87	1.75	2.50	11 Gauge
2.50"	1348	1.56	2.40	2.50	11 Gauge
2.50"	1349	1.60	1.75	2.50	11 Gauge
2.50"	1438	1.87	2.00	2.50	11 Gauge
2.50"	1458	1.56	2.00	2.50	11 Gauge
2.50"	1638	1.87	2.50	2.50	11 Gauge
2.50"	1748	1.25	2.00	2.50	11 Gauge
2.50"	1757	1.00	1.00	2.50	11 Gauge
2.50"	1768	1.75	2.00	2.50	11 Gauge
2.50"	1359	1.56	2.20	2.50	8 Gauge
2.50"	1438-8	1.87	2.00	2.50	8 Gauge
2.50"	1458-8	1.56	2.00	2.50	8 Gauge
2.75"	1436	1.60	1.50	2.75	Round .5" Hole/11 Gauge
2.75"	1538	1.56	2.45	2.75	11 Gauge
2.75"	1778	1.75	1.50	2.75	11 Gauge
3.00"	1388	1.56	2.20	2.87	8 Gauge
3.00"	1448-8	1.87	2.00	2.87	8 Gauge
3.00"	1368	1.87	2.25	2.87	11 Gauge
3.00"	1385	1.56	2.20	2.87	11 Gauge
3.00"	1448	1.87	2.00	2.87	11 Gauge
3.50"	1036	1.87	2.50	3.50	11 Gauge

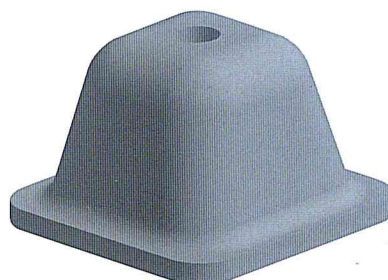
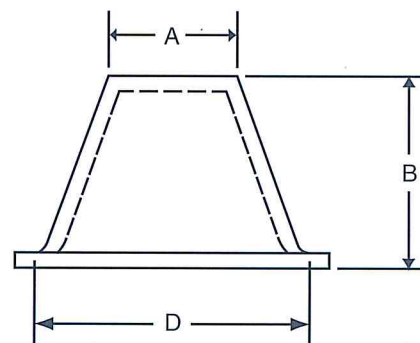
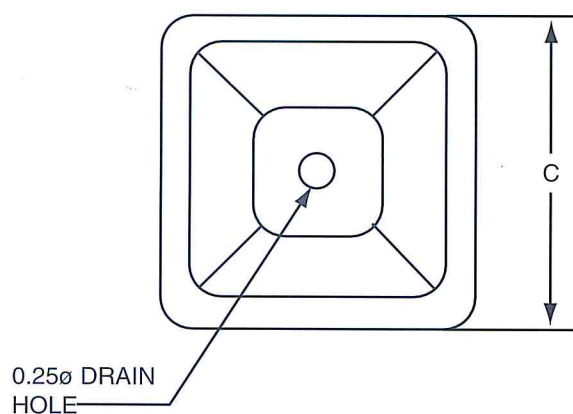


1738-B



Pyramid Caps

TUBE SIZE	PART NAME	DIM A	DIM B	DIM C	DIM D	DESCRIPTION
1.50"	P-096	1.15	1.50	1.50	1.50	Staight Sides/11 Gauge
1.50"	P-099	1.00	0.95	1.50	1.25	No Drain Holes/11 Gauge
1.50"	P-108	1.00	1.25	1.70	1.70	No Flange/11 Gauge
1.75"	P-101	1.00	1.00	1.75	1.56	11 Gauge
2.00"	P-102	1.00	1.00	2.00	1.56	11 Gauge
2.00"	P-115	1.00	1.25	2.00	2.00	No Flange/11 Gauge
2.00"	P-120	1.00	0.75	2.00	2.00	No Flange/No Drain Hole/11 Gauge
2.50"	P-100	1.00	1.50	2.50	2.35	11 Gauge
2.50"	P-104	1.00	1.50	2.45	2.35	8 Gauge
3.00"	P-106	1.00	2.25	2.85	2.35	8 Gauge
3.00"	P-130	2.13	2.00	3.95	3.21	8 Gauge
3.00"	P-103	1.00	1.50	3 x 3.25	2.35	Off Center .25"/11 Gauge
2.75 x 3.00"	P-103-M	1.00	1.50	3 x 2.75	2.31	Off Center .25" On The 3" Way/11 Gauge
3.00"	P-109	0.75	1.50	2.87	2.35	11 Gauge

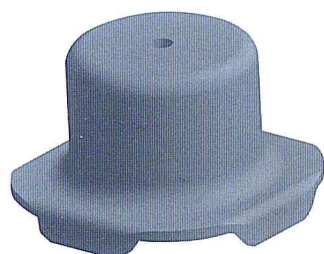


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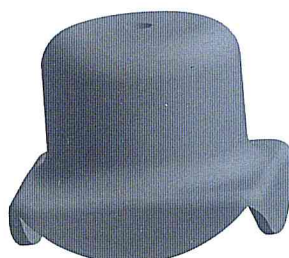


ZE Series Stacking Caps

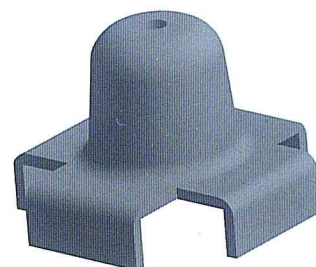
TUBE SIZE	PART NAME	DIM A	DIM B	DIM C	DESCRIPTION
1.75"	ZE-099	1.31	1.25	1.75	4 Return Flanges Down (Style 1) /11 Gauge
2.00"	ZE-105	1.27	1.25	2.10	4 Return Flanges Down (Style 1) /11 Gauge
2.25"	ZE-103	1.72	1.50	2.32	4 Return Flanges Down (Style 1) /11 Gauge
2.50"	ZE-101	1.72	1.50	2.60	3 Flanges Down (Style 2) /11 Gauge
2.50"	ZE-101-C	1.72	1.50	2.27	Flanges Fit Inside Tube (Style 1) /11 Gauge
2.50"	ZE-101-M	1.72	1.50	2.20	Flanges Fit Inside Tube (Style 1) /11 Gauge
2.50"	ZE-101-S	1.72	1.50	2.60	Solid Corners (Style 1) /11 Gauge
2.50"	ZE-101-S-T	1.72	1.50	2.50	Square Base/11 Gauge
2.50"	ZE-102	1.56	1.75	2.60	4 Return Flanges Down (Style 1) /11 Gauge
2.50"	ZE-103-C	1.72	1.62	2.60	4 Return Flanges Down (Style 2) /11 Gauge
2.50"	ZE-106	2.00	1.50	2.60	4 Return Flanges Down (Style 1) /11 Gauge
3.00"	ZE-130	2.50	1.60	3.06	8 Gauge



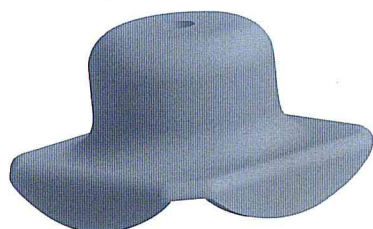
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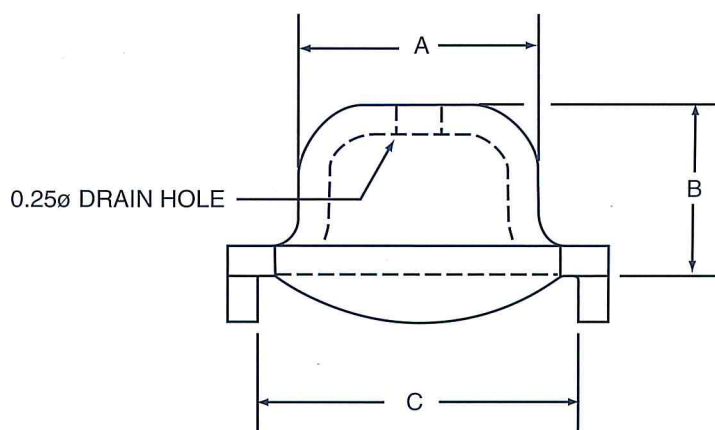
ZE-101-C



ZE-103-C



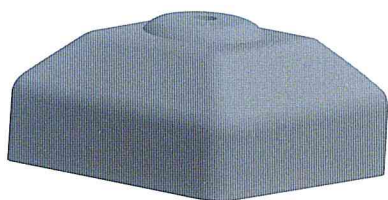
ZE-099



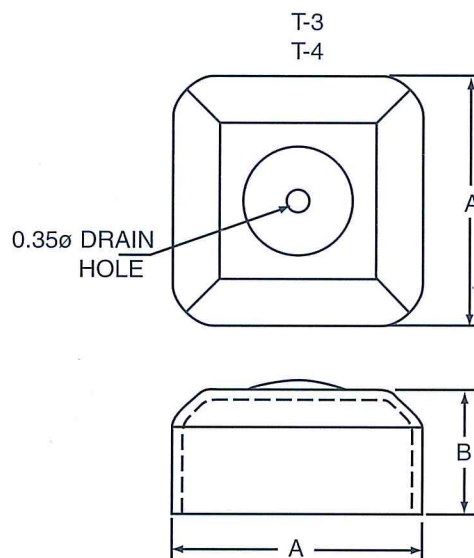
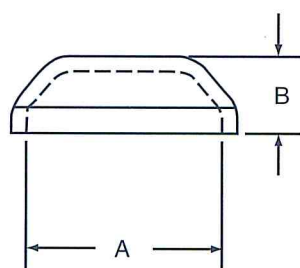
T-Series

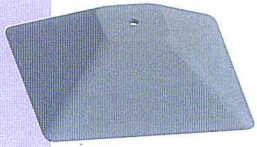


TUBE SIZE	MATERIAL GAUGE	PART NAME	DIM A	DIM B	DESCRIPTION
1.50"	11 Gauge	T-1.5	1.80	0.37	No Hole
1.50"	8 Gauge	T-3	3.00	1.75	With Hole
2.00"	11 Gauge	T-2	2.30	0.87	Optional Hole
2.00"	8 Gauge	T-4	4.00	2.00	With Hole
2.00"	1/4"	T-4	4.00	2.00	With Hole
2.50"	11 Gauge	T-2.5	2.75	1.00	No Hole
3.00"	11 Gauge	T-31	3.00	1.50	No Hole



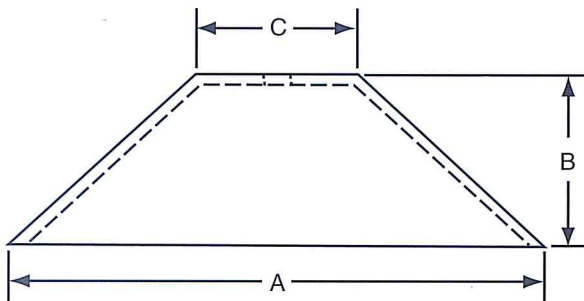
T-4



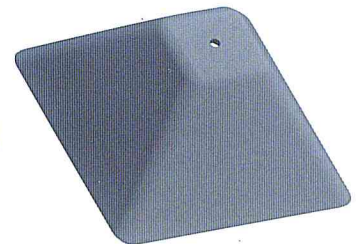


Targets

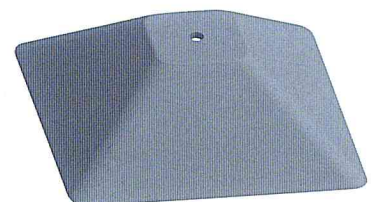
PART NAME	DIM A	DIM B	DIM C	DESCRIPTION
1775	2.00	0.75	0.75	No Drain Hole/11 Gauge
2418	2.40	0.75	1.53	11 Gauge
2414	2.90	1.40	1.00	11 Gauge
2411-A	3.25	1.00	1.25	11 Gauge
2406-M	4.00	1.60	1.25	11 Gauge
2401	4.00	1.43	1.25	11 Gauge
2402	4.30	1.60	1.25	Wavy/ 11 Gauge
2450	4.50	2.00	1.75	11 Gauge
2307	5.00	2.12	1.75	No Drain Hole/11 Gauge
2406	5.00	1.60	1.50	11 Gauge
2452	5.00	1.80	2.75	11 Gauge
2462	5.00	1.80	3.25	11 Gauge
2706	5.00	1.40	2.25	11 Gauge
2407	5.75	1.70	1.00	11 Gauge
2409	6.00	2.87	1.75	11 Gauge
2415	2.47	0.75	1.70	8 Gauge
2411	3.25	1.10	1.25	8 Gauge
2401-8	4.00	1.43	1.25	8 Gauge
2405	5.00	1.60	1.50	8 Gauge
2710	5.00	1.75	1.70	8 Gauge
2408	6.00	1.87	1.00	8 Gauge
2409-8	6.00	3.00	1.75	8 Gauge
2402-2	4.00	1.40	1.75	1/4"
2570	6.00	1.40	2.25	1/4"
2406-2	5.00	1.60	1.50	1/4"
2409-2	6.00	2.87	1.75	1/4"

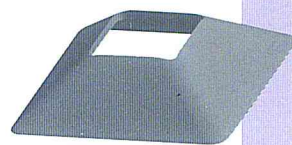


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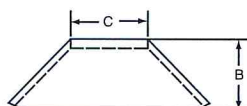
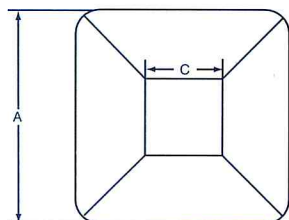
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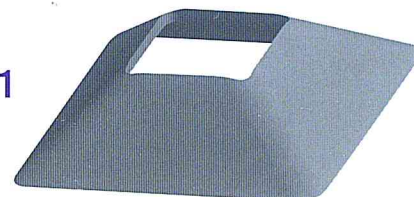


Sure Fit Targets

PART NAME	DIM A	DIM B	DIM C	DESCRIPTION
SF-415	4.00	1.35	1.50 Sq Hole In Base	11 Gauge/8 Gauge
SF-515	5.00	1.55	1.50 Sq Hole In Base	8 Gauge/11 Gauge
SF-08	5.00	1.38	1.90 Sq Hole In Base	8 Gauge
SF-11	5.00	1.30	1.90 Sq Hole In Base	11 Gauge
SF-320	3.25	1.00	2.00 Sq Hole In Base	11 Gauge
SF-620	6.00	2.60	1.90 Sq Hole In Base	11 Gauge
SF-521	5.00	1.20	2.10 Sq Hole In Base	11 Gauge
2415-125	2.47	0.75	1.25 Sq Hole In Base	8 Gauge
2418-125	2.40	0.53	1.25 Sq Hole In Base	11 Gauge
2418-15	2.40	0.48	1.53 Sq Hole In Base	11 Gauge



SF-521



Flat-Bottom Targets



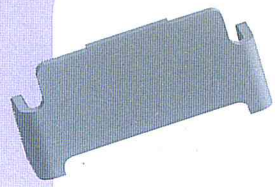
PART NAME	DIM A	DIM B	DIM C	DESCRIPTION
2410	4.30	1.25	1.50	8 Gauge
2906-8	6.00	1.60	2.20	8 Gauge
2401-FL-200	4.00	1.20	2.00	11 Gauge
2405-FL-200	5.00	1.35	2.00	8 Gauge
2406-FL-200	5.00	1.35	2.00	11 Gauge
2440	4.25	1.18	2.50	Returned Edge/11 Gauge
2406-FL-250	5.00	1.25	2.50	11 Gauge
2409-8-FL-250	6.00	2.75	2.50	8 Gauge
2610	5.25	1.25	1.50	11 Gauge
2440-.25	4.25	1.18	2.50	1/4"
2474	5.00	1.00	2.00	Recessed Square Bottom/11 Ga.
2475	5.25	1.70	2.00	Recessed Square Bottom/11 Ga.



2440

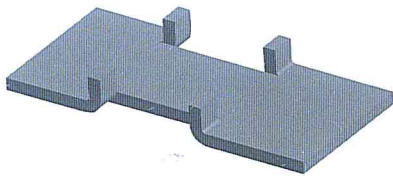


2610

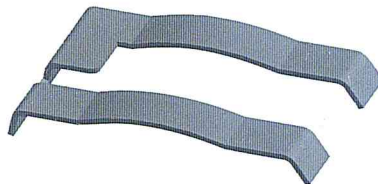


Parts Suitable for Wire Baskets

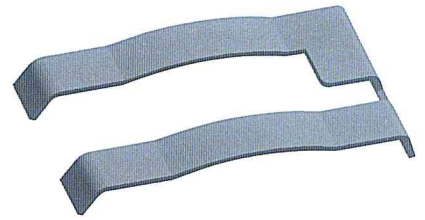
TUBE SIZE	PART NAME	DIM A	DIM B	DIM C	DESCRIPTION
2.00"	5491		Call For Print		2 Return Flanges Down/11 Gauge
2.00"	5492		Call For Print		2 Return Flanges Down/11 Gauge
2.50"	F-3		Call For Print		11 Gauge
2.50"	IPT-156		Call For Print		11 Gauge
2.50"	MH-863		Call For Print		1.25 Flanges Down 3.75 All Over/11 Gauge
2.50"	CC-3		Call For Print		Flanges Down 3.75 All Over
	CA-25		Call For Print		Corner Angle
	75130		Call For Print		Lock Receiver Plate
	75139		Call For Print		Outer Lock Plate
	75140		Call For Print		Inner Lock Plate-RH
	75141		Call For Print		Inner Lock Plate-LH
	L-PIN		Call For Print		Locking Pin
	J-CLIP		Call For Print		Basket Clip



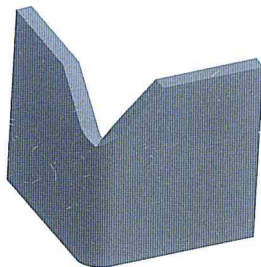
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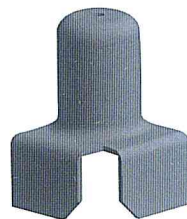
75140(RIGHT)



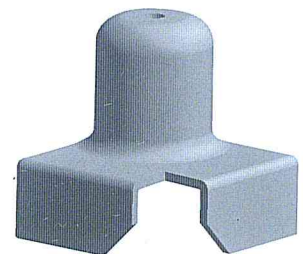
75141(LEFT)



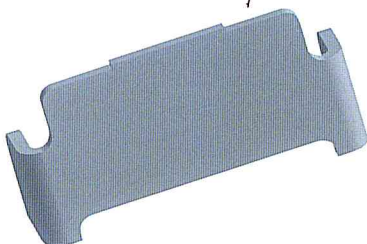
CA-25



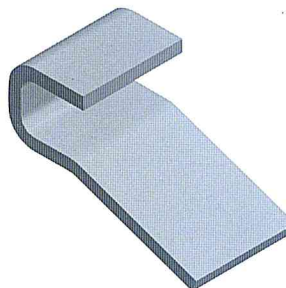
CC-3



F-3



75130

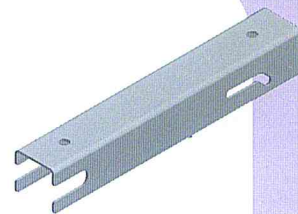


J-CLIP



L-PIN

Leg Wrappers: Custom



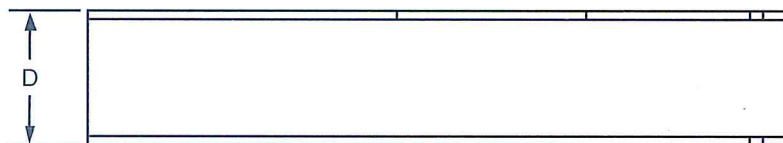
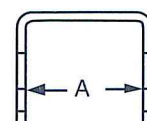
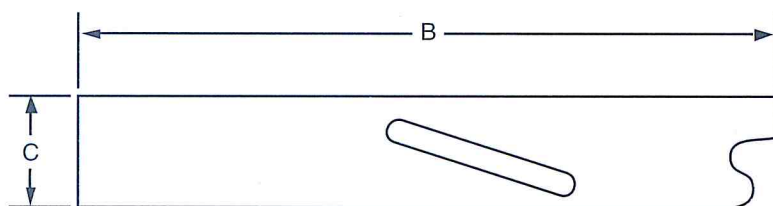
PART NAME	DIM A	DIM B	DIM C	DIM D	DESCRIPTION
LB-200	2.125	10.0	2.0	2.5	7 Gauge
LB-250	2.625	10.0	2.5	3.0	7 Gauge

CUSTOM LEG WRAP ORDER FORM

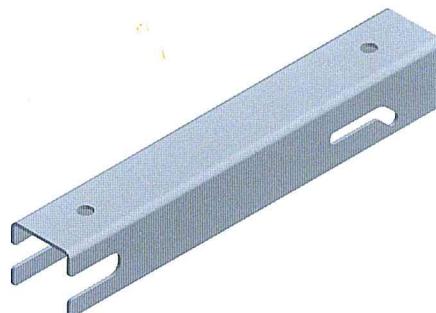
Dim A _____
 Dim B _____
 Dim C _____
 Dim D _____
 Material _____
 Quantity _____

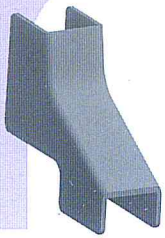
Insert your drawing here and fax to: 1-517-542-2427

Email Solidworks or AutoCad files to sales@livoniatool.com



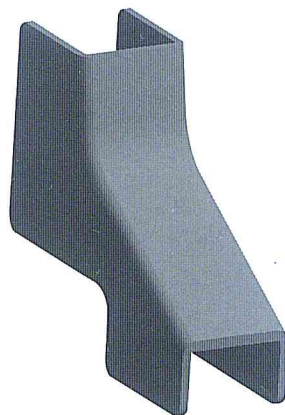
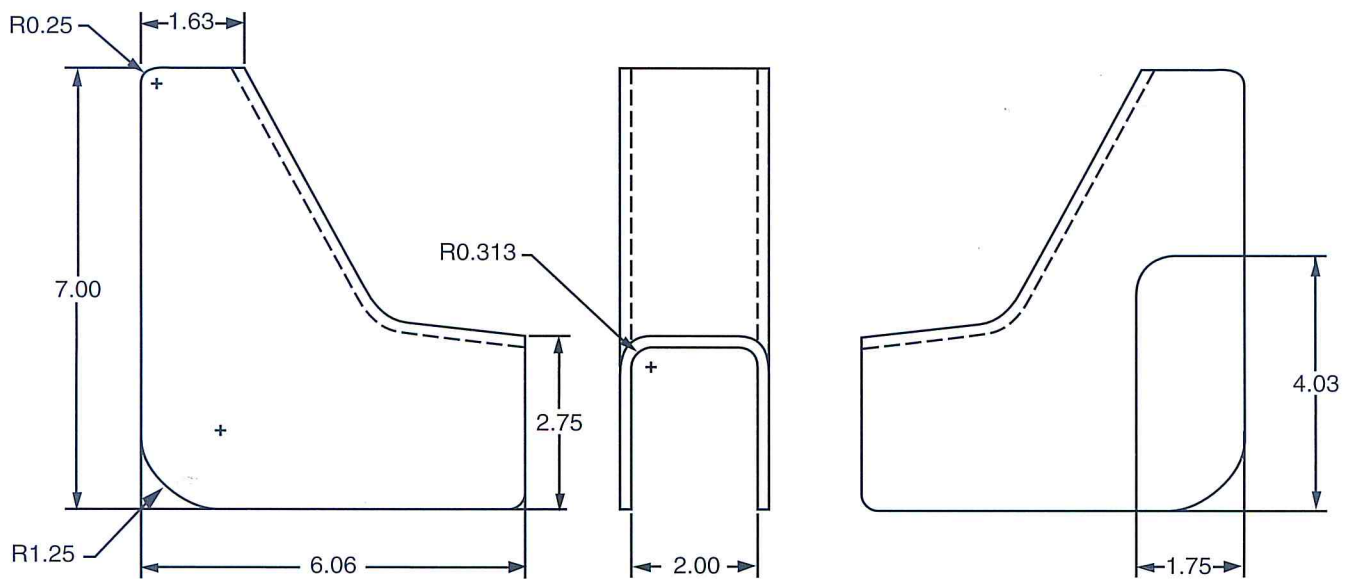
Sample Part





Boot Gussets

PART NAME	DIM A	DIM B	DIM C	DIM D	DESCRIPTION
4003		See Below			LH Part/7 Gauge
4004		See Below			RH Part/7 Gauge



4003

Base Tubes

CUSTOM BASE TUBE ORDER FORM

Dim A _____

Dim B _____

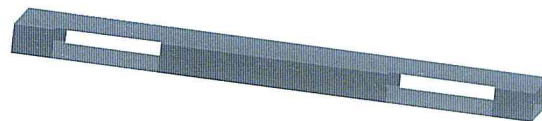
Dim C _____

Material _____

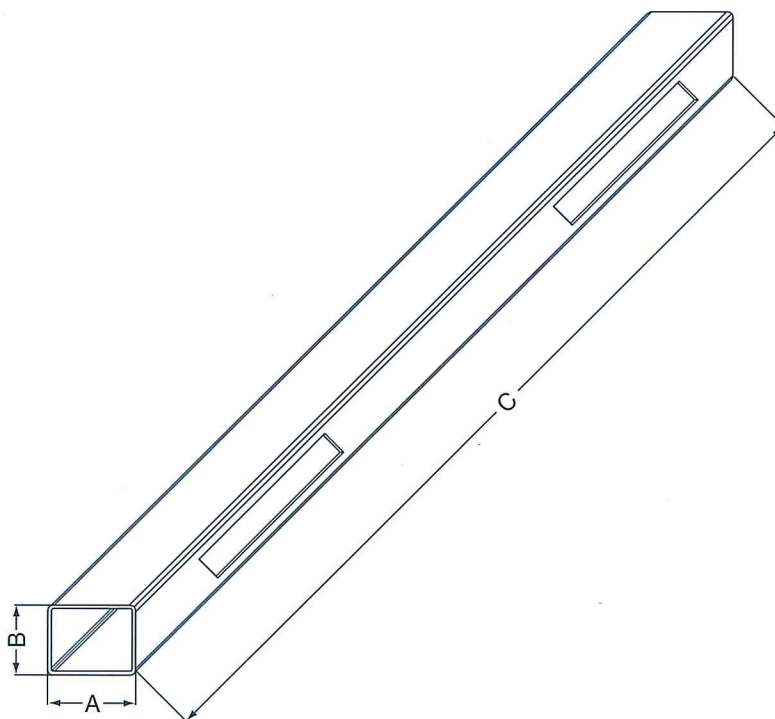
Quantity _____



STYLE A
WITH 10.12" X 3.62"
HOLES ON 28.5" CENTERS



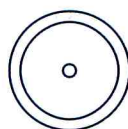
STYLE B
WITH 10.12" X 2.62"
HOLES ON 32" CENTERS



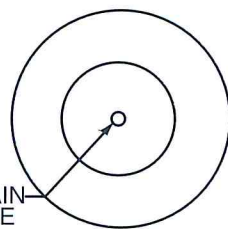


Round Base Parts

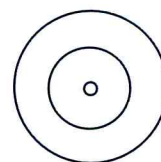
TUBE SIZE	PART NAME	DIM A	DIM B	DIM C	DESCRIPTION
1.65"	1528	1.56	2.12	1.65	11 Gauge
1.75"	1830	1.50	1.30	1.75	11 Gauge
1.75"	SD-5	1.75	0.37		No Drain Hole/11 Gauge
2.00"	1832	1.60	0.70	2.00	No Drain Hole/11 Gauge
2.50"	2412	5.00	1.00	2.65	8 Gauge
2.50"	2413	5.00	1.00	2.65	11 Gauge
2.75"	1430	2.25	1.50	2.75	11 Gauge
3.00"	1352	1.60	1.75	3.00	11 Gauge
3.00"	1450	1.87	2.00	3.00	11 Gauge
3.00"	2472	3.00	1.60	3.00	No Drain Hole/11 Gauge
3.50"	1358	1.87	2.20	3.50	11 Gauge
3.50"	2457	3.50	1.60	3.50	11 Gauge
3.50"	ZE-100	1.56	2.50	3.50	11 Gauge
2.00"	C-4	4.00	2.00		No Drain Hole/11 Gauge
2.00"	C-4 WH	4.00	2.00		With 1.75" Drain Hole/11 Ga.
2.50/3.00"	C-6	4.60	2.60	3.00	With Drain Hole/8 Ga.
2.50/3.00"	C-6 NH	4.60	2.60	3.00	No Drain Hole/8 Ga.



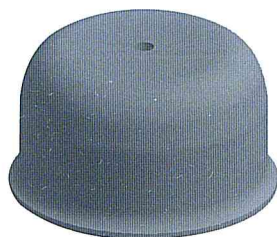
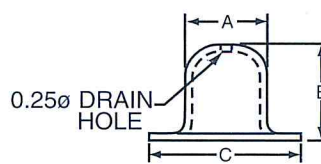
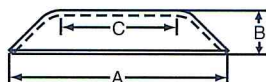
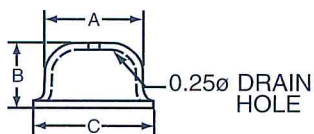
1430
1830
1832
SD-5
1528



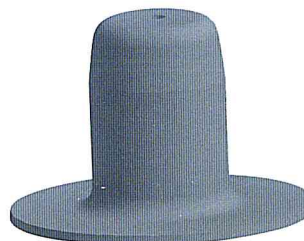
2413
2412



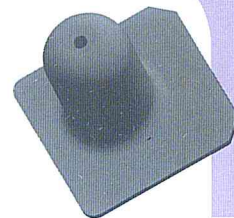
1358
1352
1450
2457
ZE-100



C-6

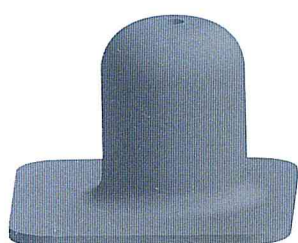


ZE-100



Offset Parts

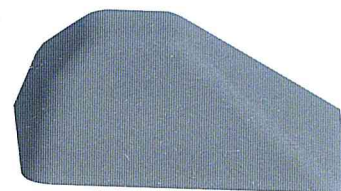
TUBE SIZE	PART NAME	DIM A	DIM B	DIM C	DESCRIPTION
1.50"/1.75"	2350		Call For Print		Two Sided Half Target
2.00"	2305		Call For Print		8 Ga. One Side Straight
2.00"	2306		Call For Print		One Sided Straight
2.00"	2404		Call For Print		Offset 1.0" Each Way
2.00"	2307-S		Call For Print		Two Sided Sheared
2.00"/2.25"	2352		Call For Print		Two Sided Half Target
2.50"	1568		Call For Print		Base Off Center
3.00"	P-103		Call For Print		Off Center .25"
3.00"	P-103-M		Call For Print		Offset .25" On 3" Side
3.00"	2370		Call For Print		Three Sided Target
3.25"	1026		Call For Print		Off Center .25" Two Ways
3.50"	1378		Call For Print		Offset .25"



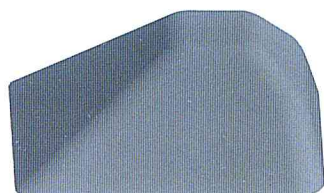
1378



1568



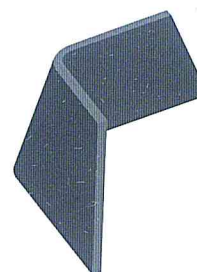
2305



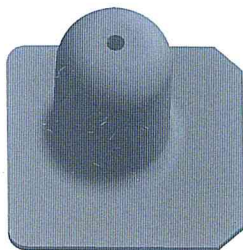
2306



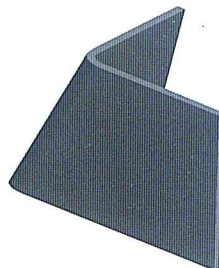
2307-S



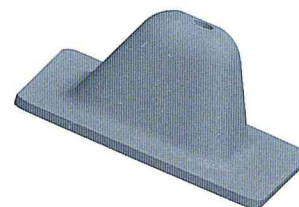
2350



1026



2352

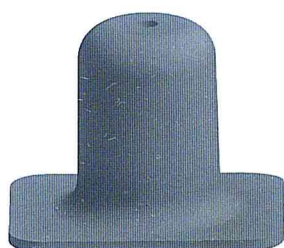


P-103

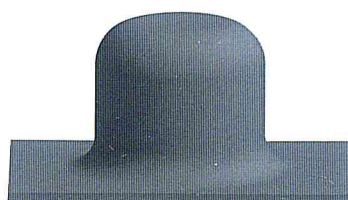


Rectangular Parts

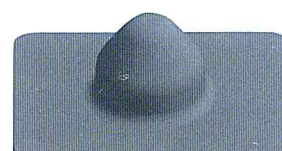
TUBE SIZE	PART NAME	DIM A	DIM B	DIM C	DESCRIPTION
2.75x4.00	1015		Call For Print		11 Gauge
2.50x3.00	1387		Call For Print		11 Gauge
3x4 Base	1590		Call For Print		8 Gauge No Drain Hole
4.2x5.2 Base	1596		Call For Print		8 Gauge No Drain Hole
1.75x2.25	2430		Call For Print		11 Gauge
2.00x3.00	R-21-WH		Call For Print		11 Gauge w/Drain Hole
2.00x3.00	R-23		Call For Print		8 Gauge
2.00x3.00	R-23-F		Call For Print		8 Gauge
2.00x3.00	R-28		Call For Print		8 Gauge



1387



1590



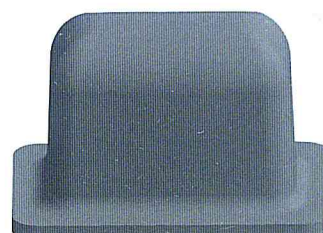
1596



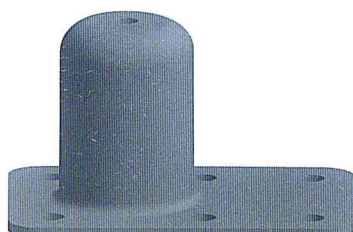
2430



R-21-WH



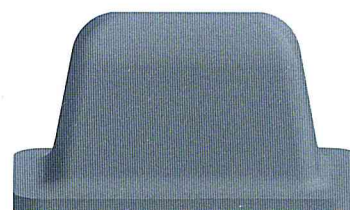
R-23



1015

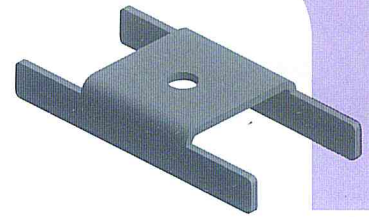


R-23-F

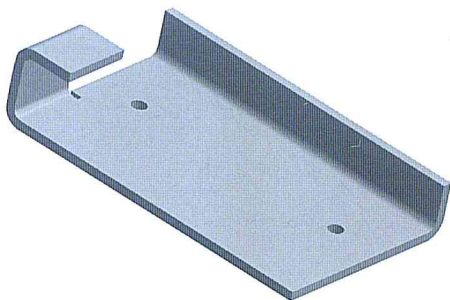


R-28

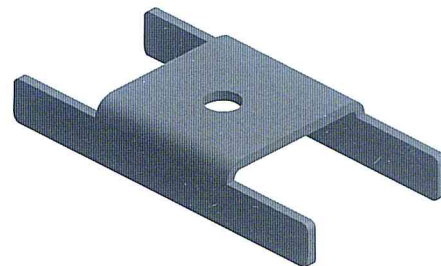
Components for Wood Pallets



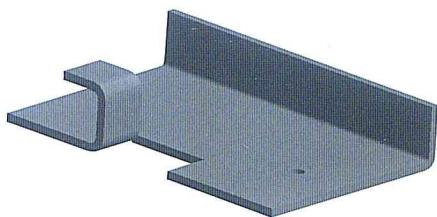
MATERIAL GAUGE	PART NAME	DESCRIPTION
8 Gauge	C-H	Center Joint
8 Gauge	BF-1	Foot For Wood Pallet
8 Gauge	BF-2	Foot For Wood Pallet
8 Gauge	FP-CC	Foot For Wood Pallet
8 Gauge	FP-DD	Foot For Wood Pallet
8 Gauge	IF-2x4 R&L	Footplate- RH&LH
8 Gauge	IF-3x4 R&L	Footplate- RH&LH
8 Gauge	IF-4x4 R&L	Footplate- RH&LH



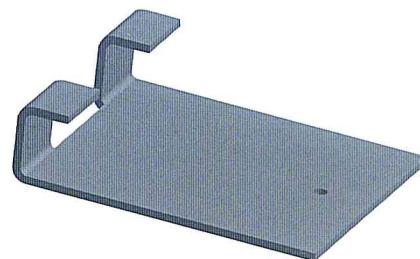
IF 2x4



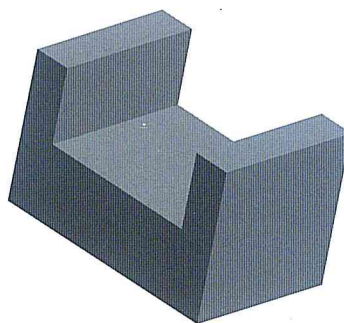
C-H



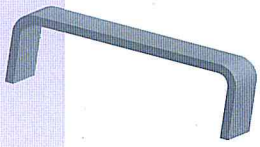
FP-CC



FP-DD



CC-BLOCK



Fork Straps: Standard and Custom

MATERIAL	PART NAME	DIM A	DIM B	DIM C	DIM D
1/4"	FS-21	6.00	3.25	2.25	2.00
1/4"	FS-2	8.00	3.00	1.50	1.50
3/8"	FS-3	6.00	3.25	2.00	1.50
3/8"	FS-1	8.00	3.00	2.00	1.50
1/2"	FS-50	7.25	3.00	1.50	2.00
1/2"	FS-56	14.25	4.50	0	1.50
1/2"	FS-58	8.00	3.00	1.50	2.00

CUSTOM FORK STRAP ORDER FORM

Dim A _____

Dim B _____

Dim C _____

Dim D _____

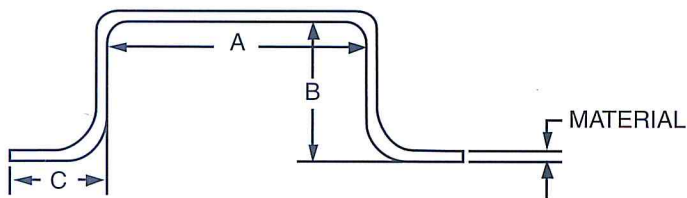
Material _____

Quantity _____

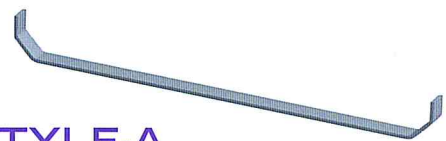
End Style _____

Insert your drawing here and fax to: 1-517-542-2427

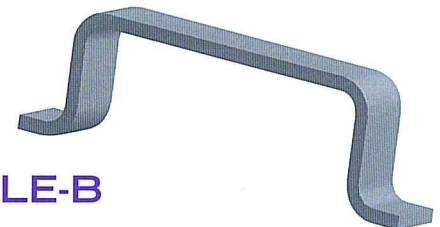
Email Solidworks or AutoCad files to sales@livoniatool.com



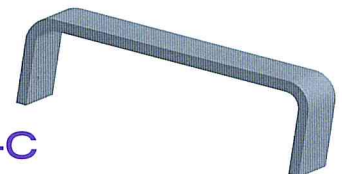
END STYLE-A



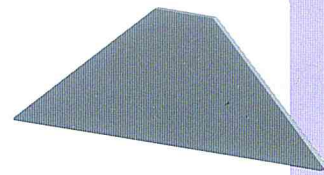
END STYLE-B



END STYLE-C



Gussets: Standard and Custom



PART NAME	DIM A	DIM B	DIM C
G-3.00	3.00	4.24	7 Gauge *
G-4.00	4.00	5.66	7 Gauge *
DTG-4-1	4.00	5.28	7 Gauge *
G-6.00	6.00	8.49	7 Gauge *
GR-6	6.00	8.48	7 Gauge *

*Available in a wide variety of material, call us for all of your needs.

CUSTOM GUSSET ORDER FORM

Dim A _____

Dim B _____

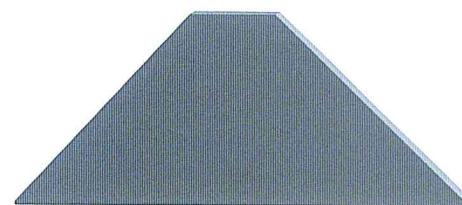
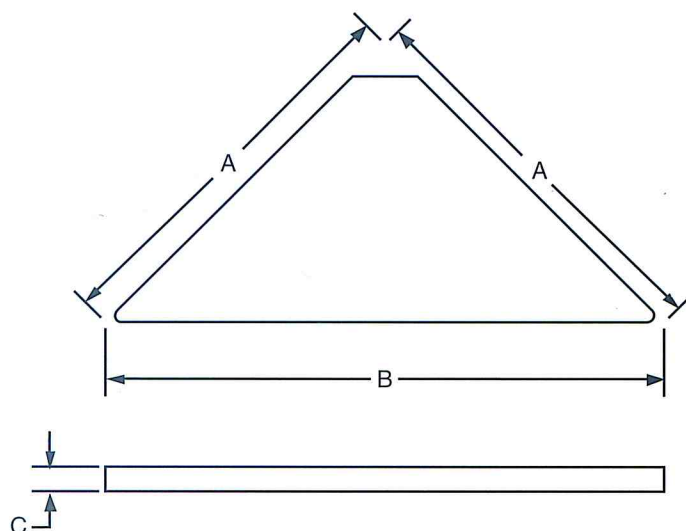
Dim C _____

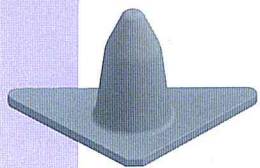
Material _____

Quantity _____

Insert your drawing here and fax to: 1-517-542-2427

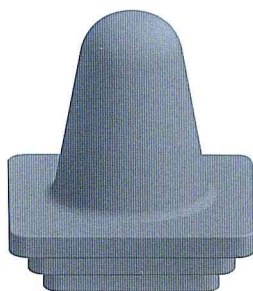
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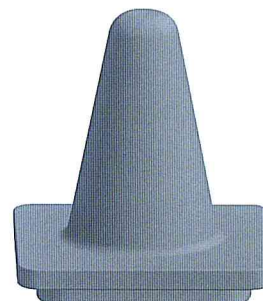


Forgings

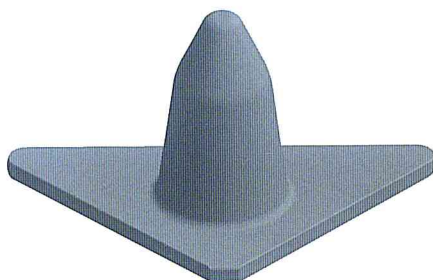
TUBE SIZE	PART NAME	DIM A	DIM B	DIM C	DESCRIPTION
2.00"	Liv-18		Call For Print		Forging
2.50"	Liv-14		Call For Print		Forging
2.50"	Liv-28		Call For Print		Forging
2.50"	Liv-28-13		Call For Print		Forging
2.50"	Liv-36		Call For Print		Forging
2.50"	Liv-39		Call For Print		Forging
3.00"	Liv-13		Call For Print		Forging
3.00"	Liv-37		Call For Print		Forging
3.00"	Liv-38		Call For Print		Forging
3.00"	Liv-77		Call For Print		Forging
3.00"	Liv-82-A		Call For Print		Forging
3.50"	Liv-29		Call For Print		Forging
4.00"	Liv-73		Call For Print		Forging



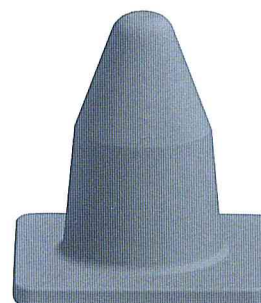
LIV-36



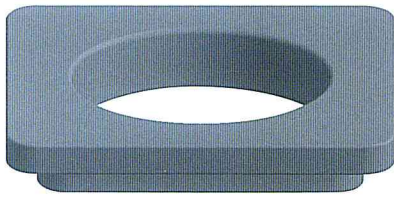
LIV-38



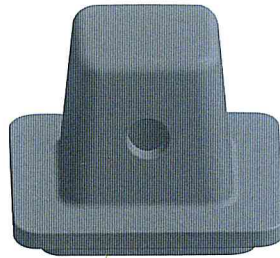
LIV-73



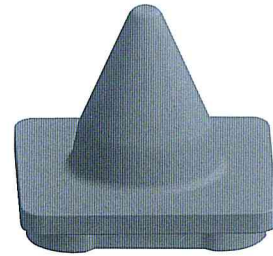
LIV-77



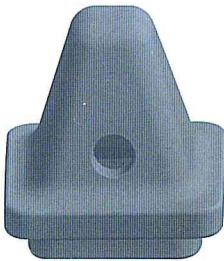
LIV-13



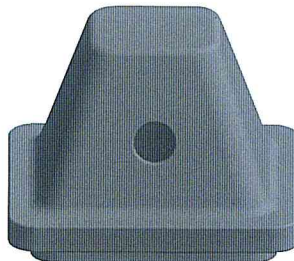
LIV-28-13



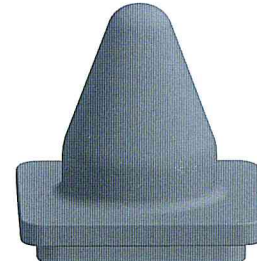
LIV-37



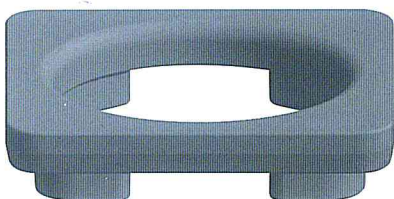
LIV-18



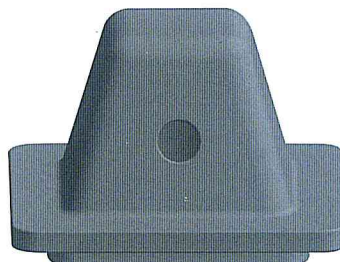
LIV-28



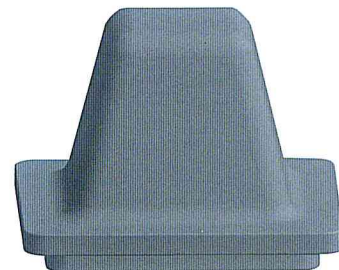
LIV-39



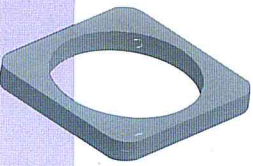
LIV-14



LIV-82-A



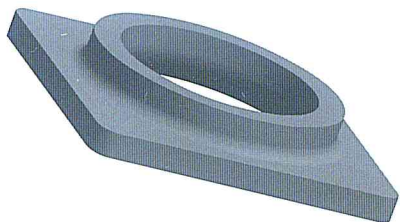
LIV-29



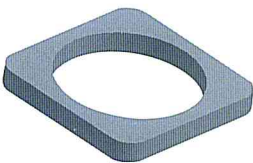
Receivers: Standard and Custom

TUBE SIZE	PART NAME	DIM A	DIM B	DIM C
2.00"	W-2.00	2.00	1.60	.250"*
2.00"	W-2.25	2.25	1.70	.250"*
2.50"	W-2.50	2.44	2.00	.250"*
3.00"	W-3.00	2.88	2.38	.250"*
	LIV-13-A	2.96	1.86	.250"*

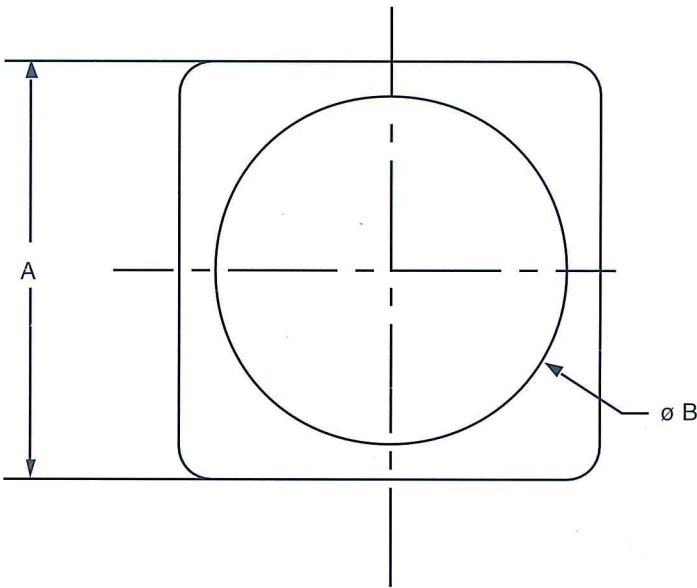
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LIV-13-A



W-2.00





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