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MATERIAL SPECIFICATION SHEET

Stainless Steel Insert PE-RT/PEX Fittings - Lead Free (LF)

Features & Benefits:
Stainless Steel Insert PE-RT/PEX (LF) fittings are the ideal choices for PE-RT/PEX applications. They deliver premium quality and durability, featuring excellent corrosion resistance, suited for areas with acidic conditions and water quality concerns.



Performance Rating:
- **Maximum Pressure Rating:** 100 PSI
- **Temperature Range:** Up to 82°C (180°F)

Specifications:
- Material: 304 Stainless Steel
- Compatible with SDR9 PE-RT pipe (ASTM F2769; ASTM F2623)
- Compatible with SDR9 PEX pipe (ASTM F876)
- PE-RT/PEX ends conform to ASTM F1807 (crimp)
- Threads conform to ASME B1.20.1
- Available sizes: 1/2" - 2" diameters

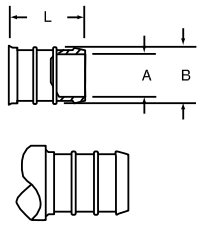
LEAD FREE
NSF/ANSI/CAN 61
UPC

Price List Reference: Cat. 786: Stainless Steel Insert PE-RT/PEX Fittings & Valves - Lead Free (LF)
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STAINLESS STEEL INSERT FITTINGS DIMENSIONS

Insert Fittings Dimensions



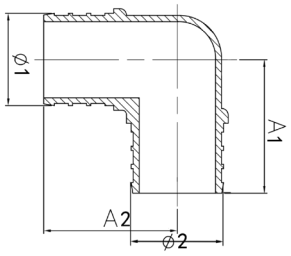
Size	A (Min ID)	B (OD of Rib) *1	L (Length) *1	# of Ribs *2
3/8	0.230	0.345 ± 0.004	0.625	2
1/2	0.350	0.471 ± 0.004	0.625	2
5/8	0.451	0.570 ± 0.003	0.625	2
3/4	0.530	0.667 ± 0.004	0.625	2
1	0.710	0.856 ± 0.004	0.795	3
1-1/4	0.870	1.045 ± 0.004	0.940	3 Min
1-1/2	1.020	1.233 ± 0.006	1.145	3 Min
2	1.365	1.602 ± 0.005	1.500	3 Min

[1] Measured from shoulder of rib to tube stop.
[2] Lead chamfer area is not considered a rib.
NOTE: Dimensions are in English units.

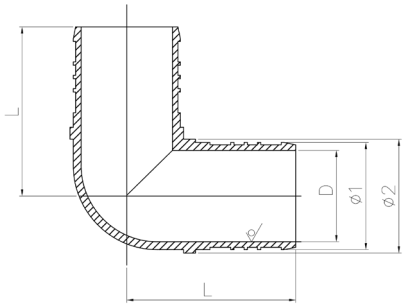
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STAINLESS STEEL INSERT FITTINGS DIMENSIONS

90° PEX Elbow Dimensions



CB Supplies Part #	Size (in)	A1 ± 0.3 (mm)	A2 ± 0.3 (mm)	Φ1 ± 0.1 (mm)	Φ2 ± 0.1 (mm)
786006005	1/2	24.20	24.20	11.96	11.96
786006007	3/4	26.50	26.50	16.94	16.94
786006010	1	35.50	35.50	21.74	21.74

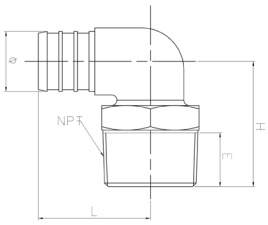


CB Supplies Part #	Size (in)	Φ1 ± 0.1 (mm)	Φ2 ± 0.1 (mm)	L ± 0.3 (mm)	D (+0.3,-0) (mm)
786006012	1-1/4	26.54	29	42.4	22.1
786006015	1-1/2	31.32	33.8	50	25.9
786006020	2	40.7	43.2	64.2	34.67

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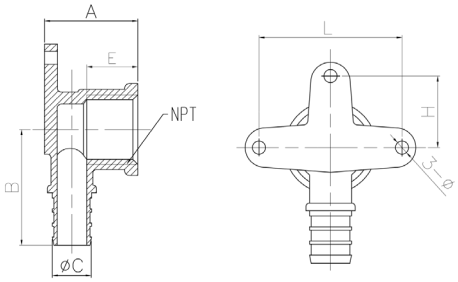
STAINLESS STEEL INSERT FITTINGS DIMENSIONS

90° PEX x MIP Elbow Dimensions



CB Supplies Part #	Size (in)	H ± 0.3 (mm)	Φ ± 0.1 (mm)	L ± 0.3 (mm)	E (+1, -0) (mm)
786010005	1/2	33.00	11.96	29.50	13.50
786010007	3/4	35.50	16.94	31.80	13.50

Drop Ear PEX x FIP Elbow Part I



CB Supplies Part #	Size (in)	A ± 0.3 (mm)	B ± 0.3 (mm)	ΦC ± 0.3 (mm)	3-Φ (+0.1, -0) (mm)
786014005	1/2	28.50	36.00	11.96	4.00
786014007	3/4	34.0	36.00	16.96	4.00
786014043	3/4 x 3/4	31.90	37.20	16.94	4.00

Drop Ear PEX x FIP Elbow Dimensions Part II

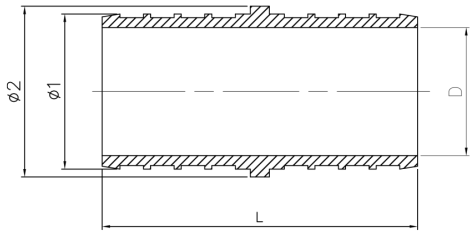
CB Supplies Part #	Size (in)	E (+0.5, -0) (mm)	L± 0.3 (mm)	H ± 0.2 (mm)
786014005	1/2	13.50	43.60	21.80
786014007	3/4	13.00	43.60	21.80
786014043	3/4 x 3/4	12.00	44.00	22.00

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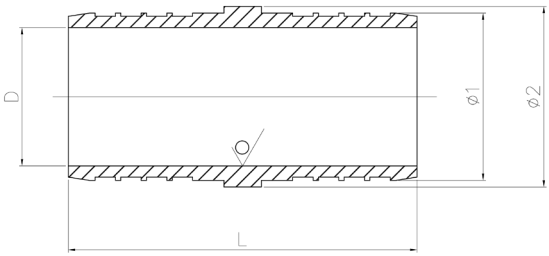
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STAINLESS STEEL INSERT FITTINGS DIMENSIONS

Coupling PEX Dimensions



CB Supplies Part #	Size (in)	Φ1 ± 0.1 (mm)	Φ2 ± 0.1 (mm)	L ± 0.3 (mm)	D (+0.3, -0) (mm)
786029005	1/2	11.96	14.00	35.00	8.89
786029007	3/4	16.94	19.00	35.00	13.45
786029010	1	21.74	24.00	44.00	18.00

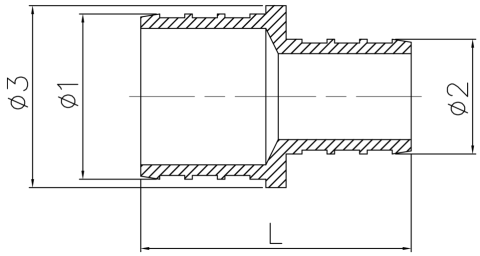


CB Supplies Part #	Size (in)	Φ1 ± 0.1 (mm)	Φ2 ± 0.1 (mm)	L ± 0.3 (mm)	D (+0.3, -0) (mm)
786029012	1-1/4	26.54	29	54.8	22.1
786029015	1-1/2	31.32	33.8	65.2	25.9
786029020	2	40.7	43.2	84.2	34.67

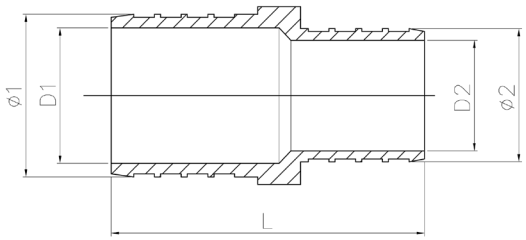
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STAINLESS STEEL INSERT FITTINGS DIMENSIONS

Reducing Coupling PEX Dimensions



CB Supplies Part #	Size (in)	Φ1 ± 0.1 (mm)	Φ2 ± 0.1 (mm)	Φ3 ± 0.1 (mm)	L ± 0.3 (mm)
786029043	3/4 x 1/2	16.94	11.96	19.00	35.6
786029054	1 x 3/4	21.74	16.94	24.00	40.00

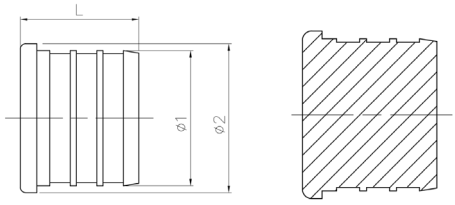


CB Supplies Part #	Size (in)	Φ1 ± 0.1 (mm)	Φ2 ± 0.1 (mm)	D 1 +3, -0 (mm)	D 2 +3, -0 (mm)	L ± 0.3 (mm)
786029065	1-1/4 x 1	26.54	21.74	22.1	18	51.1
786029075	1-1/2 x 1	31.32	21.74	25.9	18	56.3
786029076	1-1/2 x 1-1/4	31.32	26.54	25.9	22.1	60
786029086	2 x 1-1/4	40.7	26.54	34.67	22.1	70
786029087	2 x 1-1/2	40.7	31.32	34.67	25.9	75.2

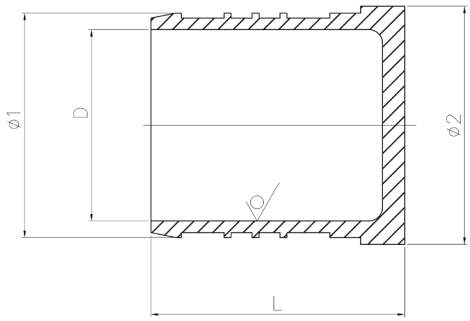
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STAINLESS STEEL INSERT FITTINGS DIMENSIONS

Plug PEX Dimensions



CB Supplies Part #	Size (in)	Φ1 ± 0.1 (mm)	Φ2 ± 0.1 (mm)	L ± 0.2 (mm)
786042005	1/2	11.96	14.00	18.00
786042007	3/4	16.94	19.00	18.50
786042010	1	21.74	24.00	23.20

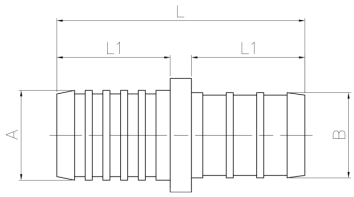


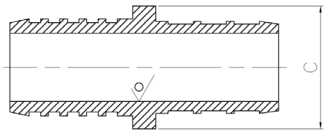
CB Supplies Part #	Size (in)	Φ1 ± 0.1 (mm)	Φ2 ± 0.1 (mm)	L ± 0.3 (mm)	D(+0.3, -0)
786042012	1-1/4	26.54	29	30.9	22.1
786042015	1-1/2	31.32	33.8	29.1	25.9
786042020	2	40.7	43.2	38.1	34.67

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STAINLESS STEEL INSERT FITTINGS DIMENSIONS

Transitioning Coupling PEX x PB Dimensions

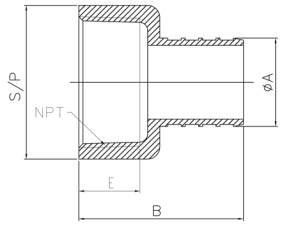




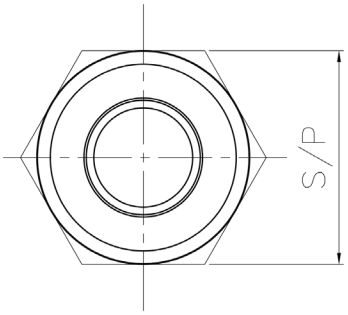
CB Supplies Part #	Size (in)	A ± 0.1 (mm)	B ± 0.1 (mm)	C ± 0.1 (mm)	L ± 0.3 (mm)	L1 (+0.3, -0) (mm)
786028005	1/2	12.70	11.96	14.00	35.00	16.00
786028007	3/4	18.10	16.94	19.06	35.00	16.00
786028010	1	23.00	21.74	25.40	43.90	20.20

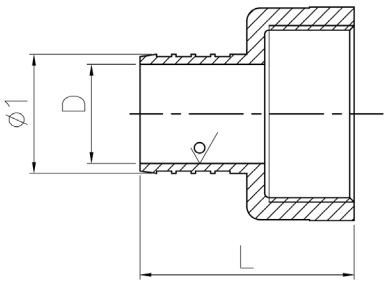
STAINLESS STEEL INSERT FITTINGS DIMENSIONS

Adapter PEX x FIP Dimensions



CB Supplies Part #	Size (in)	ΦA ± 0.1 (mm)	B ± 0.3 (mm)	S/P (+0, -0.4) (mm)	E (+1, -0) (mm)
786035005	1/2	12.00	42.40	22.00	13.50
786035007	3/4	17.00	42.40	27.70	13.80
786035010	1	21.70	48.00	35.00	17.30
786035034	1/2 x 3/4	12.00	42.50	27.00	13.80
786035043	3/4 x 1/2	17.00	42.50	22.00	13.50
786035045	3/4 x 1	17.00	43.60	35.00	17.30



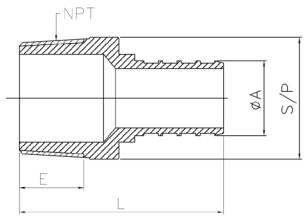


CB Supplies Part #	Size (in)	Φ1 ± 0.1 (mm)	S/P (mm)	L ± 0.3 (mm)	D (+1, -0) (mm)
786035012	1-1/4	26.54	47.6	47.9	22.1
786035015	1-1/2	31.32	51	53.1	25.9
786035020	2	40.7	63	63.3	34.67

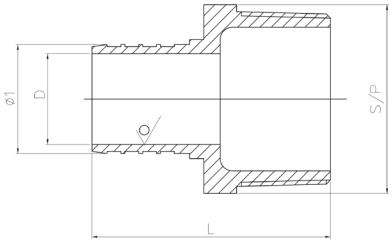
Price List Reference: Cat. 786: Stainless Steel Insert PE-RT/PEX Fittings & Valves - Lead Free (LF)
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STAINLESS STEEL INSERT FITTINGS DIMENSIONS

Adapter PEX x MIP Dimensions



CB Supplies Part #	Size (in)	ΦA ± 0.1 (mm)	L ± 0.4 (mm)	S/P (+0, -0.4) (mm)	E (+1, -0) (mm)
786036005	1/2	11.96	34.50	25.00	13.50
786036007	3/4	16.94	34.50	31.00	13.50
786036010	1	21.74	40.70	38.00	15.00
786036034	1/2 x 3/4	11.96	34.50	31.00	13.50
786036043	3/4 x 1/2	16.94	34.00	25.00	13.50
786036045	3/4 x 1	16.94	36.00	38.00	15.00
786036054	1 x 3/4	20.80	36.70	31.00	13.50



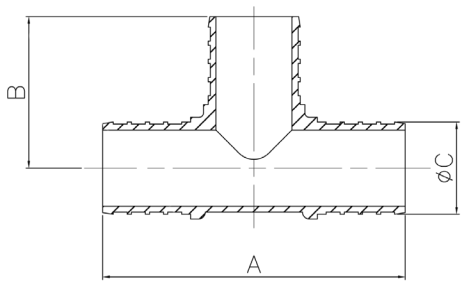
CB Supplies Part #	Size (in)	Φ1 ± 0.1 (mm)	S/P (mm)	L ± 0.3 (mm)	D (+0.3, -0) (mm)
786036012	1-1/4	26.54	46	58.4	22.1
786036015	1-1/2	31.32	51	64.1	25.9
786036020	2	40.7	63	75.6	34.67
786036065	1-1/4 x 1	26.54	35.5	52.9	22.1

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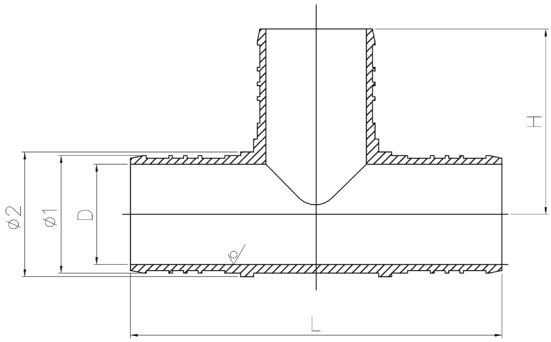
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STAINLESS STEEL INSERT FITTINGS DIMENSIONS

Tee PEX Dimensions



CB Supplies Part #	Size (in)	A ± 0.3 (mm)	B ± 0.3 (mm)	ΦC ± 0.1 (mm)
786001005	1/2	58.30	24.15	11.96
786001007	3/4	53.00	26.50	16.94
786001010	1	70.00	35.00	21.74



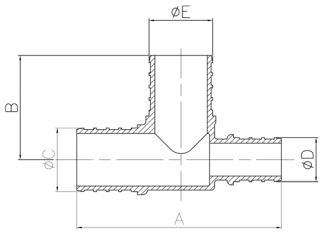
CB Supplies Part #	Size (in)	Φ1 ± 0.1 (mm)	Φ2 ± 0.1 (mm)	D +0.3, -0 (MM)	H ± 0.3 (MM)	L ± 0.3 (MM)
786001012	1-1/4	26.54	29	22.1	42.4	84.8
786001015	1-1/2	31.32	33.8	25.9	50	100
786001020	2	40.7	43.2	34.67	64.2	128.4

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STAINLESS STEEL INSERT FITTINGS DIMENSIONS

Reducing Tee PEX Dimensions

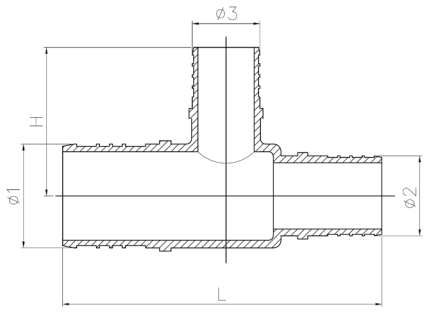


CB Supplies Part #	Size (in)	A ± 0.3 (mm)	B ± 0.3 (mm)	ΦC ± 0.1 (mm)	ΦD ± 0.1 (mm)	ΦE ± 0.1 (mm)
786001433	3/4 x 1/2 x 1/2	53.30	26.30	16.94	11.96	11.96
786001434	3/4 x 1/2 x 3/4	53.60	27.00	16.94	11.96	16.94
786001443	3/4 x 3/4 x 1/2	53.00	28.00	16.94	16.94	11.96
786001445	3/4 x 3/4 x 1	70.60	35.00	16.94	16.94	21.74
786001534	1 x 1/2 x 3/4	69.30	34.00	21.74	11.96	16.94
786001535	1 x 1/2 x 1	67.00	35.00	21.74	11.96	21.74
786001543	1 x 3/4 x 1/2	69.30	34.00	21.74	16.94	11.96
786001544	1 x 3/4 x 3/4	67.00	32.00	21.74	16.94	16.94
786001545	1 x 3/4 x 1	67.00	35.00	21.74	16.94	21.74
786001553	1 x 1 x 1/2	70.00	31.50	21.74	21.74	11.96
786001554	1 x 1 x 3/4	70.00	31.50	21.74	21.74	16.94

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STAINLESS STEEL INSERT FITTINGS DIMENSIONS

Reducing Tee PEX Dimensions



CB Supplies Part #	Size (in)	L ± 0.4 (mm)	H ± 0.3 (mm)	Φ1 ± 0.1 (mm)	Φ2 ± 0.1 (mm)	Φ3 ± 0.1 (mm)
786001663	1-1/4 x 1-1/4 x 1/2	84.8	40.5	26.54	26.54	11.96
786001664	1-1/4 x 1-1/4 x 3/4	84.8	40.5	26.54	26.54	16.94
786001665	1-1/4 x 1-1/4 x 1	84.8	44.8	26.54	26.54	21.74
786001774	1-1/2 x 1-1/2 x 3/4	100	42.7	31.32	31.32	16.94
786001775	1-1/2 x 1-1/2 x 1	100	47	31.32	31.32	21.74
786001776	1-1/2 x 1-1/2 x 1-1/4	100	50	31.32	31.32	26.54
786001866	2 x 1-1/4 x 1-1/4	122.4	58.2	40.7	26.54	26.54
786001874	2 x 1-1/2 x 3/4	125.4	47.4	40.7	31.32	16.94
786001875	2 x 1-1/2 x 1	125.4	51.6	40.7	31.32	21.74
786001876	2 x 1-1/2 x 1-1/4	125.4	58.2	40.7	31.32	26.54
786001877	2 x 1-1/2 x 1-1/2	125.4	60	40.7	31.32	31.32
786001884	2 x 2 x 3/4	128.4	47.4	40.7	40.7	16.94
786001885	2 x 2 x 1	128.4	51.6	40.7	40.7	21.74
786001886	2 x 2 x 1-1/4	128.4	58.2	40.7	40.7	26.54
786001887	2 x 2 x 1-1/2	128.4	60	40.7	40.7	31.32