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Pipe fittings surface area chart pdf

How to calculate pipe line size. How to size a pipe.

Inch size	PIPE OD	PIPE CF	90° SR	90° LR	45° LR	RED	TEE EQUAL	150# FLG	300# FLG	400# FLG	600# FLG	900# FLG	1500# FLG	2500# FLG
1/2	21.3	67.0		20	12			46	50.8	52.1	52.1	59.9	59.9	72.9
3/4	26.7	83.8		28	14	38.1	20	50.8	55.6	56.9	56.9	70.1	70.1	79
1	33.4	104.9	25	38.1	22	50.8	38	53.8	60.5	62	62	73.2	73.2	88.9
1.5	48.2	151.6	36	57	28.4	63.5	57	60.5	66.8	69.8	69.8	82.6	82.6	111.3
2	60.3	189.5	51	76	35.1	76.2	63	62	68.3	73.2	73.2	101.6	101.6	127
2.5	73.2	229.3	64	95	44	88.9	78	68.3	74.7	79.2	79.2	101.6	104.6	142.7
3	88.9	279.2	76	114	51	88.9	86	68.3	77.7	82.6	82.6	104.6	117.3	168.1
4	114.3	359	102	152	63.5	101.6	105	74.7	84.3	88.9	101.6	114.3	124	190.5
5	141.3	443.9	127	191	78.5	127	124	87.4	97	101.6	114.3	127	155.4	228.6
6	168.2	528.6	152	229	95	139.7	143	87.4	97	103.1	117.3	139.7	171.4	273
8	219.0	688.2	203	306	126	152.4	176	100.1	109.7	117.3	133.4	162.1	212.9	317.5
10	273.0	857.8	254	381	159	177.8	216	100.1	115.8	124	152.4	184.2	254	419.1
12	323.8	1017.4	305	457	190	203.2	254	112.8	128.5	136.7	155.4	200.2	282.4	463.6
14	355.6	1117.1	365	533	222	330.2	279	125.5	141.2	149.1	165.1	213.1	297.9	
16	406.4	1276.7	406	610	254	355.6	304	125.5	144.5	151.9	178.1	215.9	310.9	
18	457.2	1436.3	457	686	286	381	343	138.2	157.2	165.1	183.9	229.1	326.9	
20	508.2	1596.5	508	762	317	508	381	142.7	160.5	167.9	190	247.9	365.1	
24	609.6	1915.1	610	914	381	508	432	150.9	166.6	175	202.9	292.1	405.9	
30	762.0	2393.8	762	1143	470	609.6	558.8	136.7	209.6					
36	914.4	2872.6	914	1372	572	609.6	673.1	157.2	241.3					

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construction L&i channel

Pipe fitting chart size.
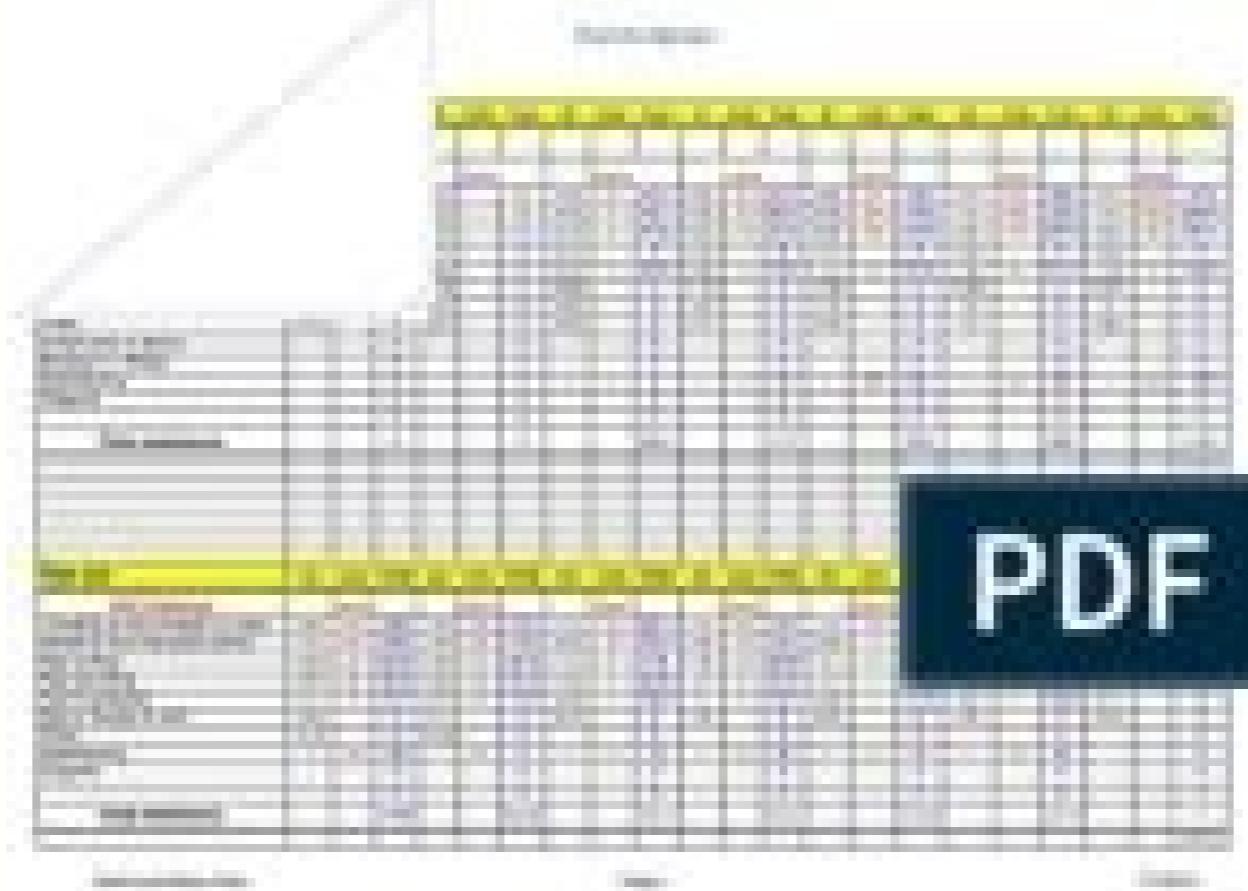
Pipe chart size.

Surface Area Calculation SpoolFab's surface area calculation is intended to help estimate painting costs.

It assumes you don't paint the inside! Since the surface area of fittings is just a rough proxy for paint costs, the surface area calculation is not intended to be equally precise for every item.Pipes: SpoolFab uses the actual OD of the pipe (not the nominal pipe size) with the formula Pi x OD x length. This is subject to the minimum pipe size set in the master files for the surface area calculation.Flanges: Flanges are normally assumed equivalent to 24 inches of pipe. However, in the master files, Minimum weld sizes, you can change this to 36 inches of pipe. Reducers: Reducers are assumed to be the same as a piece of pipe of the larger size, same length as the reducer.Elbows: BW elbows are assumed equivalent to a piece of pipe of the same length, as measured along the centerline of the elbow.Branches: Weldolets and sockolets are taken as equivalent to a pipe whose length is the branch's arm2 dimension (basically the part beyond the header).Caps: Caps are assumed equivalent to 12 inches of pipe.Tees, SW Elbows etc.: Tees, crosses, connectors, stub ends and SW/TH elbows are assumed equivalent to a length of pipe adding up to the dimensions of their arms.

So a reducing tee will give less surface area than a straight tee.Miscellaneous Items such as shoes, valves, and gaskets do not currently have any associated surface area. However, you can assign these items a surface area via the Change Quantity dialog.You can check what surface area SpoolFab has assigned to an item by calling up the item information window. Press shift-F11 and select Item Information. You can then use right and left arrow keys to go through each item in turn.Most users seem to like to treat everything less than 2 inch size as nom. 2 inch for the purposes of surface area calculations, and this is the default. However, under Master Files/Minimum Weld Sizes, you can specify a different minimum pipe size for the surface area calculation.The unlabeled ft2 figure is the inside surface area, see below. Click to Print Our Pipe Dimension Chart ANSI Pipe Chart Use our ANSI Pipe Chart to determine the nominal pipe size, wall thickness, weight and schedule designations. For easy reference, print out this up-to-date chart. Click to Print Our Line Sheet Pipe Chart Spreadsheet – Average Wall Thickness Click to Print Our Pipe Chart Spreadsheet `A = 2 *pi * ( d /2) * l ` Enter a value for all fields