

# Horizontal Bends H90°, H60°, H45°, H30° (Steel)

BEND RADIUS R		TRAY WIDTH		HORIZONTAL 90° ELBOW DIMENSIONS				HORIZONTAL 60° ELBOW DIMENSIONS					
in	mm	in	mm	Part No.	A		B		Part No.	A		B	
					in	mm	in	mm		in	mm	in	mm
12	305	6	152	Series-6-H90-12R	15	381	15	381	Series-6-H60-12R	13	330	7 $\frac{1}{2}$ "	191
		9	228	Series-9-H90-12R	16 $\frac{1}{2}$ "	419	16 $\frac{1}{2}$ "	419	Series-9-H60-12R	14 $\frac{9}{32}$ "	363	8 $\frac{1}{4}$ "	210
		12	305	Series-12-H90-12R	18	457	18	457	Series-12-H60-12R	15 $\frac{19}{32}$ "	396	9"	229
		18	457	Series-18-H90-12R	21	533	21	533	Series-18-H60-12R	18 $\frac{3}{16}$ "	462	10 $\frac{1}{2}$ "	267
		24	610	Series-24-H90-12R	24	610	24	610	Series-24-H60-12R	20 $\frac{25}{32}$ "	528	12"	305
		30	762	Series-30-H90-12R	27	686	27	686	Series-30-H60-12R	23 $\frac{3}{8}$ "	594	13 $\frac{1}{2}$ "	343
		36	914	Series-36-H90-12R	30	762	30	762	Series-36-H60-12R	25 $\frac{31}{32}$ "	660	15"	381
24	610	6	152	Series-6-H90-24R	27	686	27	686	Series-6-H60-24R	23 $\frac{3}{8}$ "	594	13 $\frac{1}{2}$ "	343
		9	228	Series-9-H90-24R	28 $\frac{1}{2}$ "	724	28 $\frac{1}{2}$ "	724	Series-9-H60-24R	24 $\frac{1}{16}$ "	627	14 $\frac{1}{4}$ "	362
		12	305	Series-12-H90-24R	30	762	30	762	Series-12-H60-24R	25 $\frac{31}{32}$ "	660	15"	381
		18	457	Series-18-H90-24R	33	838	33	838	Series-18-H60-24R	28 $\frac{19}{32}$ "	726	16 $\frac{1}{2}$ "	419
		24	610	Series-24-H90-24R	36	914	36	914	Series-24-H60-24R	31 $\frac{1}{16}$ "	792	18"	457
		30	762	Series-30-H90-24R	39	991	39	991	Series-30-H60-24R	33 $\frac{25}{32}$ "	858	19 $\frac{1}{2}$ "	495
		36	914	Series-36-H90-24R	42	1067	42	1067	Series-36-H60-24R	36 $\frac{3}{8}$ "	924	21"	533
36	914	6	152	Series-6-H90-36R	39	991	39	991	Series-6-H60-36R	33 $\frac{25}{32}$ "	858	19 $\frac{1}{2}$ "	495
		9	228	Series-9-H90-36R	40 $\frac{1}{2}$ "	1029	40 $\frac{1}{2}$ "	1029	Series-9-H60-36R	35 $\frac{1}{16}$ "	890	20 $\frac{1}{4}$ "	514
		12	305	Series-12-H90-36R	42	1067	42	1067	Series-12-H60-36R	36 $\frac{3}{8}$ "	924	21"	533
		18	457	Series-18-H90-36R	45	1143	45	1143	Series-18-H60-36R	38 $\frac{31}{32}$ "	990	22 $\frac{1}{2}$ "	572
		24	610	Series-24-H90-36R	48	1219	48	1219	Series-24-H60-36R	41 $\frac{9}{16}$ "	1056	24"	610
		30	762	Series-30-H90-36R	51	1295	51	1295	Series-30-H60-36R	44 $\frac{5}{32}$ "	1122	25 $\frac{1}{2}$ "	648
		36	914	Series-36-H90-36R	54	1372	54	1372	Series-36-H60-36R	46 $\frac{3}{4}$ "	1187	27"	686
BEND RADIUS R		TRAY WIDTH		HORIZONTAL 45° ELBOW DIMENSIONS				HORIZONTAL 30° ELBOW DIMENSIONS					
in	mm	in	mm	Part No.	A		B		Part No.	A		B	
					in	mm	in	mm		in	mm	in	mm
12	305	6	152	Series-6-H45-12R	10 $\frac{19}{32}$ "	269	4 $\frac{13}{32}$ "	112	Series-6-H30-12R	7 $\frac{1}{2}$ "	191	2"	51
		9	228	Series-9-H45-12R	11 $\frac{21}{32}$ "	296	4 $\frac{27}{32}$ "	123	Series-9-H30-12R	8 $\frac{1}{4}$ "	210	2 $\frac{7}{32}$ "	56
		12	305	Series-12-H45-12R	12 $\frac{23}{32}$ "	323	5 $\frac{9}{32}$ "	134	Series-12-H30-12R	9"	229	2 $\frac{13}{32}$ "	61
		18	457	Series-18-H45-12R	14 $\frac{27}{32}$ "	377	6 $\frac{3}{32}$ "	156	Series-18-H30-12R	10 $\frac{1}{2}$ "	267	2 $\frac{13}{16}$ "	71
		24	610	Series-24-H45-12R	16 $\frac{31}{32}$ "	431	7 $\frac{1}{32}$ "	179	Series-24-H30-12R	12	305	3 $\frac{7}{32}$ "	82
		30	762	Series-30-H45-12R	19 $\frac{3}{32}$ "	485	7 $\frac{29}{32}$ "	201	Series-30-H30-12R	13 $\frac{3}{2}$ "	343	3 $\frac{5}{8}$ "	92
		36	914	Series-36-H45-12R	21 $\frac{7}{32}$ "	539	8 $\frac{25}{32}$ "	223	Series-36-H30-12R	15	381	4 $\frac{1}{32}$ "	102
24	610	6	152	Series-6-H45-24R	19 $\frac{3}{32}$ "	485	7 $\frac{29}{32}$ "	201	Series-6-H30-24R	13 $\frac{3}{2}$ "	343	3 $\frac{5}{8}$ "	92
		9	228	Series-9-H45-24R	20 $\frac{5}{32}$ "	512	8 $\frac{11}{32}$ "	212	Series-9-H30-24R	14 $\frac{1}{4}$ "	368	3 $\frac{13}{16}$ "	97
		12	305	Series-12-H45-24R	21 $\frac{7}{32}$ "	539	8 $\frac{25}{32}$ "	223	Series-12-H30-24R	15	381	4 $\frac{1}{32}$ "	102
		18	457	Series-18-H45-24R	23 $\frac{13}{32}$ "	593	9 $\frac{21}{32}$ "	245	Series-18-H30-24R	16 $\frac{1}{2}$ "	419	4 $\frac{13}{32}$ "	112
		24	610	Series-24-H45-24R	25 $\frac{15}{32}$ "	647	10 $\frac{17}{32}$ "	267	Series-24-H30-24R	18	457	4 $\frac{13}{16}$ "	122
		30	762	Series-30-H45-24R	27 $\frac{9}{16}$ "	700	11 $\frac{7}{16}$ "	291	Series-30-H30-24R	19 $\frac{1}{2}$ "	495	5 $\frac{7}{32}$ "	133
		36	914	Series-36-H45-24R	29 $\frac{11}{16}$ "	754	12 $\frac{5}{16}$ "	313	Series-36-H30-24R	21	533	5 $\frac{5}{8}$ "	143
36	914	6	152	Series-6-H45-36R	27 $\frac{9}{16}$ "	700	11 $\frac{7}{16}$ "	291	Series-6-H30-36R	19 $\frac{1}{2}$ "	495	5 $\frac{7}{32}$ "	133
		9	228	Series-9-H45-36R	28 $\frac{3}{8}$ "	727	11 $\frac{7}{8}$ "	301	Series-9-H30-36R	20 $\frac{1}{4}$ "	514	5 $\frac{7}{16}$ "	138
		12	305	Series-12-H45-36R	29 $\frac{11}{16}$ "	754	12 $\frac{5}{16}$ "	313	Series-12-H30-36R	21	533	5 $\frac{5}{8}$ "	143
		18	457	Series-18-H45-36R	31 $\frac{13}{16}$ "	809	13 $\frac{3}{16}$ "	335	Series-18-H30-36R	22 $\frac{1}{2}$ "	572	6 $\frac{1}{32}$ "	153
		24	610	Series-24-H45-36R	33 $\frac{15}{16}$ "	862	14 $\frac{1}{16}$ "	357	Series-24-H30-36R	24	610	6 $\frac{7}{16}$ "	164
		30	762	Series-30-H45-36R	36 $\frac{1}{16}$ "	916	14 $\frac{15}{16}$ "	379	Series-30-H30-36R	25 $\frac{1}{2}$ "	648	6 $\frac{27}{32}$ "	174
		36	914	Series-36-H45-36R	38 $\frac{3}{16}$ "	970	15 $\frac{1}{16}$ "	402	Series-36-H30-36R	27	686	7 $\frac{1}{4}$ "	184