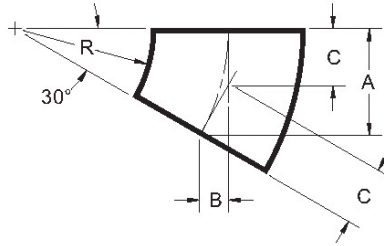
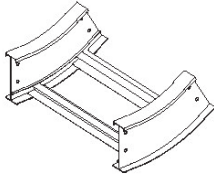


30° VERTICAL INSIDE ELBOW



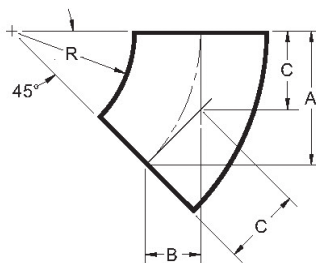
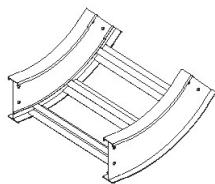
To complete catalogue number insert the appropriate prefixes (2) in place of asterisks.

3	I	A	—	*	3	5	**
BASIC PART	MATERIAL FINISH			SIDERAIL HEIGHT	RADIUS	WIDTH	RUNG SPACING
3I - 30° Inside	A - Aluminum			1 - C / 90mm (3.5") 2 - C / 152mm (6.0") 4 - D / 114mm (4.5") 5 - D / 152mm (6.0") 7 - E / 114mm (4.5") 8 - E / 152mm (6.0") H - E / 160mm (6.3") 9 - E / 203mm (8.0")	3 - 305mm (12") 6 - 610mm (24") 9 - 915mm (36") * - 1220mm (48")	2 - 150mm (6")† 3 - 203mm (8") 5 - 300mm (12") 6 - 450mm (18") 7 - 600mm (24") 8 - 750mm (30") 9 - 900mm (36")	1 - Solid 2 - Ventilated 4 - Ladder

† - Not available in 9 series.

BEND RADIUS		TRAY WIDTH		CATALOGUE #	DIMENSIONS mm (in)															
R		W			* SIDERAIL HEIGHT ** RUNG SPACING	SIDERAIL HEIGHTS														
mm	(in)	mm	(in)			90mm / (3.54")			114mm / (4.5")			152mm / (6.0")			160mm / (6.1")			203mm / (8.0")		
				A		B	C	A	B	C	A	B	C	A	B	C	A	B	C	
305mm	(12")	150	(6)	3IA-(*)32(**)																
		203	(8)	3IA-(*)33(**)																
		300	(12)	3IA-(*)35(**)	174	47	94	181	48	97	191	51	102	192	52	103	203	54	109	
		450	(18)	3IA-(*)36(**)	(6.9)	(1.9)	(3.7)	(7.1)	(1.9)	(3.8)	(7.5)	(2.0)	(4.0)	(7.6)	(2.0)	(4.1)	(8.0)	(2.1)	(4.3)	
		600	(24)	3IA-(*)37(**)																
		750	(30)	3IA-(*)38(**)																
610mm	(24")	150	(6)	3IA-(*)62(**)																
		203	(8)	3IA-(*)63(**)																
		300	(12)	3IA-(*)65(**)	328	88	176	334	89	179	343	92	184	345	92	185	356	95	191	
		450	(18)	3IA-(*)66(**)	(12.9)	(3.5)	(6.9)	(13.1)	(3.5)	(7.0)	(13.5)	(3.6)	(7.2)	(13.6)	(3.6)	(7.3)	(14.0)	(3.7)	(7.5)	
		600	(24)	3IA-(*)67(**)																
		750	(30)	3IA-(*)68(**)																
915mm	(36")	150	(6)	3IA-(*)92(**)																
		203	(8)	3IA-(*)93(**)																
		300	(12)	3IA-(*)95(**)	480	129	257	486	130	260	496	133	266	497	133	267	508	136	272	
		450	(18)	3IA-(*)96(**)	(18.9)	(5.1)	(10.1)	(19.1)	(5.1)	(10.2)	(19.5)	(5.2)	(10.5)	(19.6)	(5.2)	(10.5)	(20.0)	(5.4)	(10.7)	
		600	(24)	3IA-(*)97(**)																
		750	(30)	3IA-(*)98(**)																
1220mm	(48")	150	(6)	3IA-(*)2(**)																
		203	(8)	3IA-(*)3(**)																
		300	(12)	3IA-(*)5(**)	632	169	339	638	171	343	648	174	347	650	174	348	661	177	354	
		450	(18)	3IA-(*)6(**)	(24.9)	(6.7)	(13.3)	(25.1)	(6.7)	(13.5)	(25.5)	(6.9)	(13.7)	(25.6)	(6.9)	(13.7)	(26.0)	(7.0)	(13.9)	
		600	(24)	3IA-(*)7(**)																
		750	(30)	3IA-(*)8(**)																
900	(36)	3IA-(*)9(**)																		

45° VERTICAL INSIDE ELBOW



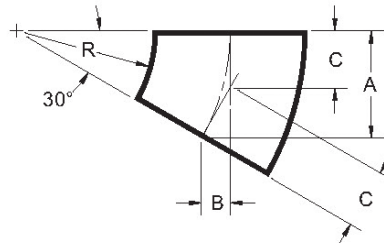
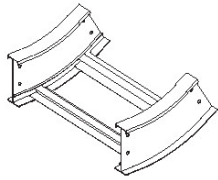
To complete catalogue number insert the appropriate prefixes (2) in place of asterisks.

4	I	A	*	6	9	**
BASIC PART	MATERIAL FINISH	SIDERAIL HEIGHT	RADIUS	WIDTH	RUNG SPACING	
4I - 45° Inside	A - Aluminum	1 - C / 90mm (3.5") 2 - C / 152mm (6.0") 4 - D / 114mm (4.5") 5 - D / 152mm (6.0") 7 - E / 114mm (4.5") 8 - E / 152mm (6.0") H - E / 160mm (6.3") 9 - E / 203mm (8.0")	3 - 305mm (12") 6 - 610mm (24") 9 - 915mm (36") * - 1220mm (48")	2 - 150mm (6")† 3 - 203mm (8") 5 - 300mm (12") 6 - 450mm (18") 7 - 600mm (24") 8 - 750mm (30") 9 - 900mm (36")	1 - Solid 2 - Ventilated 4 - Ladder	

† - Not available in 9 series.

BEND RADIUS		TRAY WIDTH		CATALOGUE #	DIMENSIONS mm (in)															
R		W			* SIDERAIL HEIGHT ** RUNG SPACING	SIDERAIL HEIGHTS														
mm	(in)	mm	(in)			90mm / (3.54")			114mm / (4.5")			152mm / (6.0")			160mm / (6.1")			203mm / (8.0")		
				A		B	C	A	B	C	A	B	C	A	B	C	A	B	C	
305mm	(12")	150	(6)	4IA-(*)32(**)																
		203	(8)	4IA-(*)33(**)																
		300	(12)	4IA-(*)35(**)	247	103	14	256	106	150	269	112	158	272	113	159	287	119	168	
		450	(18)	4IA-(*)36(**)	(9.7)	(4.1)	(0.6)	(10.1)	(4.2)	(5.9)	(10.6)	(4.4)	(6.2)	(10.7)	(4.4)	(6.3)	(11.3)	(4.7)	(6.6)	
		600	(24)	4IA-(*)37(**)																
		750	(30)	4IA-(*)38(**)																
610mm	(24")	150	(6)	4IA-(*)62(**)																
		203	(8)	4IA-(*)63(**)																
		300	(12)	4IA-(*)65(**)	463	192	271	472	195	276	485	201	284	488	202	286	503	208	295	
		450	(18)	4IA-(*)66(**)	(18.2)	(7.6)	(10.7)	(18.6)	(7.7)	(10.9)	(19.1)	(7.9)	(11.2)	(19.2)	(8.0)	(11.3)	(19.8)	(8.2)	(11.6)	
		600	(24)	4IA-(*)67(**)																
		750	(30)	4IA-(*)68(**)																
915mm	(36")	150	(6)	4IA-(*)92(**)																
		203	(8)	4IA-(*)93(**)																
		300	(12)	4IA-(*)95(**)	679	281	398	387	285	403	701	290	410	703	291	412	719	298	421	
		450	(18)	4IA-(*)96(**)	(26.7)	(11.1)	(15.7)	(15.2)	(11.2)	(15.9)	(27.6)	(11.4)	(16.1)	(27.7)	(11.5)	(16.2)	(28.3)	(11.7)	(16.6)	
		600	(24)	4IA-(*)97(**)																
		750	(30)	4IA-(*)98(**)																
1220mm	(48")	150	(6)	4IA-(*)*2(**)																
		203	(8)	4IA-(*)*3(**)																
		300	(12)	4IA-(*)*5(**)	894	370	524	903	374	530	916	380	537	919	381	538	934	387	547	
		450	(18)	4IA-(*)*6(**)	(35.2)	(14.6)	(20.6)	(35.6)	(14.7)	(20.9)	(36.1)	(15.0)	(21.1)	(36.2)	(15.0)	(21.2)	(36.8)	(15.2)	(21.5)	
		600	(24)	4IA-(*)*7(**)																
		750	(30)	4IA-(*)*8(**)																
900	(36)	4IA-(*)*9(**)																		

60° VERTICAL INSIDE ELBOW



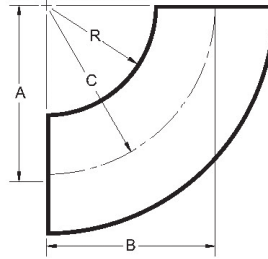
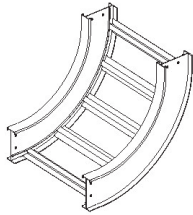
To complete catalogue number insert the appropriate prefixes (2) in place of asterisks.

6	I	A	*	3	5	**
BASIC PART	MATERIAL FINISH	SIDERAIL HEIGHT	RADIUS	WIDTH	RUNG SPACING	
6I - 60° Inside	A - Aluminum	1 - C / 90mm (3.5") 2 - C / 152mm (6.0") 4 - D / 114mm (4.5") 5 - D / 152mm (6.0") 7 - E / 114mm (4.5") 8 - E / 152mm (6.0") H - E / 160mm (6.3") 9 - E / 203mm (8.0")	3 - 305mm (12") 6 - 610mm (24") 9 - 915mm (36") * - 1220mm (48")	2 - 150mm (6")† 3 - 203mm (8") 5 - 300mm (12") 6 - 450mm (18") 7 - 600mm (24") 8 - 750mm (30") 9 - 900mm (36")	1 - Solid 2 - Ventilated 4 - Ladder	

† - Not available in 9 series.

BEND RADIUS		TRAY WIDTH		CATALOGUE #	DIMENSIONS mm (in)																
R		W			* SIDERAIL HEIGHT ** RUNG SPACING	SIDERAIL HEIGHTS															
mm	(in)	mm	(in)			90mm / (3.54")					114mm / (4.5")			152mm / (6.0")			160mm / (6.1")			203mm / (8.0")	
				A		B	C	A	B	C	A	B	C	A	B	C	A	B	C		
305mm	(12")	150	(6)	6IA-(*)32(**)																	
		203	(8)	6IA-(*)33(**)																	
		300	(12)	6IA-(*)35(**)	303	175	202	314	181	209	330	191	220	333	192	222	352	203	235		
		450	(18)	6IA-(*)36(**)	(11.9)	(6.9)	(8.0)	(12.4)	(7.1)	(8.2)	(13.0)	(7.5)	(8.7)	(13.1)	(7.6)	(8.7)	(13.9)	(8.0)	(9.3)		
		600	(24)	6IA-(*)37(**)																	
		750	(30)	6IA-(*)38(**)																	
900	(36)	6IA-(*)39(**)																			
610mm	(24")	150	(6)	6IA-(*)62(**)																	
		203	(8)	6IA-(*)63(**)																	
		300	(12)	6IA-(*)65(**)	567	528	378	578	334	385	594	343	396	597	345	398	616	356	411		
		450	(18)	6IA-(*)66(**)	(22.3)	(20.8)	(14.9)	(22.8)	(13.1)	(15.2)	(23.4)	(13.5)	(15.6)	(23.5)	(13.6)	(15.7)	(24.3)	(14.0)	(16.2)		
		600	(24)	6IA-(*)67(**)																	
		750	(30)	6IA-(*)68(**)																	
900	(36)	6IA-(*)69(**)																			
915mm	(36")	150	(6)	6IA-(*)92(**)																	
		203	(8)	6IA-(*)93(**)																	
		300	(12)	6IA-(*)95(**)	831	480	554	842	486	561	858	496	572	862	497	574	880	508	587		
		450	(18)	6IA-(*)96(**)	(32.7)	(18.9)	(21.8)	(33.1)	(19.1)	(22.1)	(33.8)	(19.5)	(22.5)	(33.9)	(19.6)	(22.6)	(34.6)	(20.0)	(23.1)		
		600	(24)	6IA-(*)97(**)																	
		750	(30)	6IA-(*)98(**)																	
900	(36)	6IA-(*)99(**)																			
1220mm	(48")	150	(6)	6IA-(*)2(**)																	
		203	(8)	6IA-(*)3(**)																	
		300	(12)	6IA-(*)5(**)	1095	632	730	1073	638	737	1122	648	748	1126	650	750	1144	661	763		
		450	(18)	6IA-(*)6(**)	(43.1)	(24.9)	(28.7)	(42.2)	(25.1)	(29.0)	(44.2)	(25.5)	(29.4)	(44.3)	(25.6)	(29.5)	(45.0)	(26.0)	(30.0)		
		600	(24)	6IA-(*)7(**)																	
		750	(30)	6IA-(*)8(**)																	
900	(36)	6IA-(*)9(**)																			

90° VERTICAL INSIDE ELBOW



To complete catalogue number insert the appropriate prefixes (2) in place of asterisks.

9	I	A	*	3	5	**
BASIC PART	MATERIAL FINISH	SIDERAIL HEIGHT	RADIUS	WIDTH	RUNG SPACING	
9I - 90° Inside	A - Aluminum	1 - C / 90mm (3.5") 2 - C / 152mm (6.0") 4 - D / 114mm (4.5") 5 - D / 152mm (6.0") 7 - E / 114mm (4.5") 8 - E / 152mm (6.0") H - E / 160mm (6.3") 9 - E / 203mm (8.0")	3 - 305mm (12") 6 - 610mm (24") 9 - 915mm (36") * - 1220mm (48")	2 - 150mm (6")† 3 - 203mm (8") 5 - 300mm (12") 6 - 450mm (18") 7 - 600mm (24") 8 - 750mm (30") 9 - 900mm (36")	1 - Solid 2 - Ventilated 4 - Ladder	

† - Not available in 9 series.

BEND RADIUS		TRAY WIDTH		CATALOGUE #	DIMENSIONS mm (in)																
R		W			* SIDERAIL HEIGHT ** RUNG SPACING	SIDERAIL HEIGHTS															
mm	(in)	mm	(in)			90mm / (3.54")					114mm / (4.5")			152mm / (6.0")			160mm / (6.1")			203mm / (8.0")	
				A		B	C	A	B	C	A	B	C	A	B	C	A	B	C		
305mm	(12")	150	(6)	9IA-(*)32(**)																	
		203	(8)	9IA-(*)33(**)																	
		300	(12)	9IA-(*)35(**)	350	350	350	362	362	362	381	381	381	385	385	385	407	407	407		
		450	(18)	9IA-(*)36(**)	(13.8)	(13.8)	(13.8)	(14.3)	(14.3)	(14.3)	(15.0)	(15.0)	(15.0)	(15.2)	(15.2)	(15.2)	(16.0)	(16.0)	(16.0)		
		600	(24)	9IA-(*)37(**)																	
		750	(30)	9IA-(*)38(**)																	
		900	(36)	9IA-(*)39(**)																	
610mm	(24")	150	(6)	9IA-(*)62(**)																	
		203	(8)	9IA-(*)63(**)																	
		300	(12)	9IA-(*)65(**)	655	655	655	667	667	667	686	686	686	690	690	690	711	711	711		
		450	(18)	9IA-(*)66(**)	(25.8)	(25.8)	(25.8)	(26.3)	(26.3)	(26.3)	(27.0)	(27.0)	(27.0)	(27.2)	(27.2)	(27.2)	(28.0)	(28.0)	(28.0)		
		600	(24)	9IA-(*)67(**)																	
		750	(30)	9IA-(*)68(**)																	
		900	(36)	9IA-(*)69(**)																	
915mm	(36")	150	(6)	9IA-(*)92(**)																	
		203	(8)	9IA-(*)93(**)																	
		300	(12)	9IA-(*)95(**)	960	960	960	972	972	972	991	991	991	995	995	995	1017	1017	1017		
		450	(18)	9IA-(*)96(**)	(37.8)	(37.8)	(37.8)	(38.3)	(38.3)	(38.3)	(39.0)	(39.0)	(39.0)	(39.2)	(39.2)	(39.2)	(40.0)	(40.0)	(40.0)		
		600	(24)	9IA-(*)97(**)																	
		750	(30)	9IA-(*)98(**)																	
		900	(36)	9IA-(*)99(**)																	
1220mm	(48")	150	(6)	9IA-(*)2(**)																	
		203	(8)	9IA-(*)3(**)																	
		300	(12)	9IA-(*)5(**)	1265	1265	1265	1277	1277	1277	1296	1296	1296	1300	1300	1300	1322	1322	1322		
		450	(18)	9IA-(*)6(**)	(49.8)	(49.8)	(49.8)	(50.3)	(50.3)	(50.3)	(51.0)	(51.0)	(51.0)	(51.2)	(51.2)	(51.2)	(52.0)	(52.0)	(52.0)		
		600	(24)	9IA-(*)7(**)																	
		750	(30)	9IA-(*)8(**)																	
		900	(36)	9IA-(*)9(**)																	