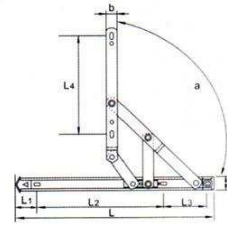
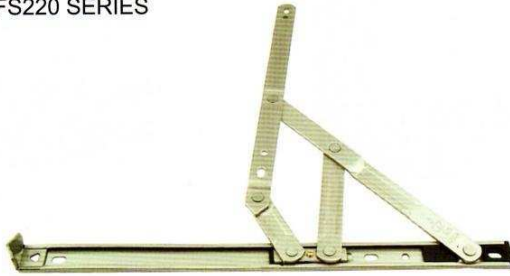


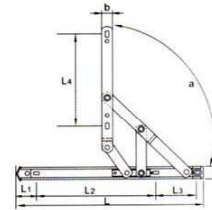
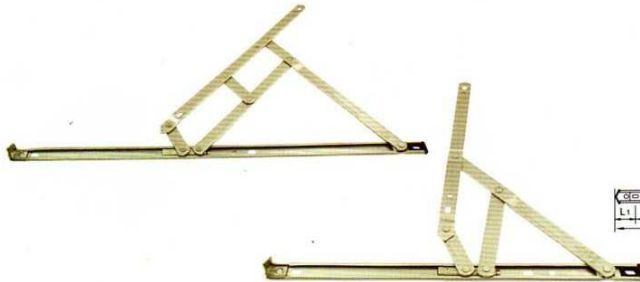
FS220 SERIES



Specifi- -cation	Length (L)	Length (L1)	Length (L2)	Length (L3)	Length (L4)	Casement width(c)	Arm width (b)	Max.door/ window height	Max.door/ window width	Max.door/ window weight	Supportive suspension strip thickness	Height (H)	Opening angle
8"	200	30	126	48	118	22	19	1200	500	22	3.0±0.2	15±0.5	60°±2'
10"	255	30	183	39	163	22	19	1200	500	25	3.0±0.2	16.5±0.5	88°±2'
12"	300	32	196	70	181	22	19	1200	600	30	3.0±0.2	16.5±0.5	88°±2'
14"	345	32	223	88	209	22	19	1400	600	35	3.0±0.2	16.5±0.5	88°±2'
16"	400	32	209	156	202	22	19	1400	650	38	3.0±0.2	16.5±0.5	88°±2'
18"	450	30	197	217	202	22	19	1400	700	45	3.0±0.2	16.5±0.5	88°±2'
20"	500	30	230	243	283	22	19	1500	700	55	3.0±0.2	16.5±0.5	55°±2'
22"	550	30	203	213	296	22	19	1500	800	55	3.0±0.2	16.5±0.5	55°±2'
24"	600	30	177	388	352	22	19	1500	800	55	3.0±0.2	16.5±0.5	55°±2'

MATERIAL: S/S430, S/S202, S/S304, SUS304

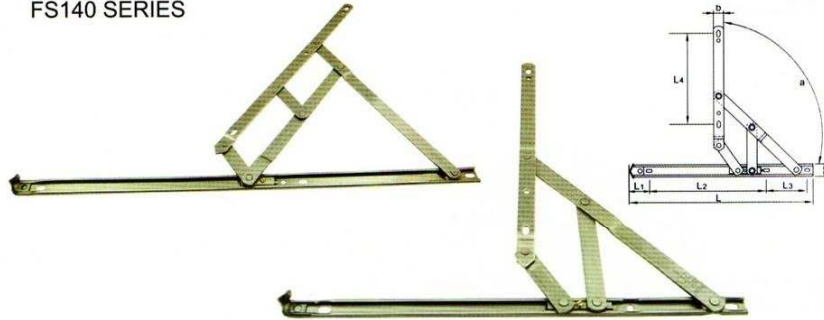
FS180 SERIES



Specifi- -cation	Length (L)	Length (L1)	Length (L2)	Length (L3)	Length (L4)	Casement width(c)	Arm width (b)	Max.door/ window height	Max.door/ window width	Max.door/ window weight	Supportive suspension strip thickness	Height (H)	Opening angle
8"	200	25	136	37	118	18	16	500	1000	11	2.0±0.2	15±0.5	60°±2'
10"	255	28	183	41	158	18	16	1000	500	16	2.0±0.2	15±0.5	88°±2'
12"	300	30	180	86	169	18	16	1100	600	19	2.5±0.2	15±0.5	88°±2'
14"	345	29	218	90	210	18	16	1150	600	22	3.0±0.2	15±0.5	88°±2'
16"	400	32	209	154	200	18	16	1200	600	25	3.0±0.2	15±0.5	88°±2'
18"	450	29	197	217	200	18	16	1200	650	28	3.0±0.2	15±0.5	88°±2'
20"	508	31	248.5	226	290.5	18	16	1200	700	32	3.0±0.2	15.5±0.5	55°±2'
22"	550	31	243	291.5	306.5	18	16	1200	750	32	3.0±0.2	15.5±0.5	55°±2'
24"	605	31	237.5	334	320	18	16	1200	750	32	3.0±0.2	15.5±0.5	55°±2'

MATERIAL: S/S430, S/S202, S/S304, SUS304

FS140 SERIES



Specifi- cation	Length (L)	Length (L1)	Length (L2)	Length (L3)	Length (L4)	Casement width(c)	Arm width(b)	Max.door/ window height	Max.door/ window width	Max.door/ window weight	Supportive suspension strip thickness	Height (H)	Opening angle
8"	205	30	126	46.5	109	14	15	450	1000	7.5	3.0±0.2	16.5±0.5	60°±2°
10"	255	31	180	41	158	14	15	1000	500	9.7	3.0±0.2	16.5±0.5	88°±2°
12"	300	31	170	95	167	14	15	1200	550	11.8	3.0±0.2	16.5±0.5	88°±2°
14"	340	31	230	75	208	14	15	1200	600	16.2	3.0±0.2	16.5±0.5	88°±2°
16"	400	31	230	133	200	14	15	1200	650	19.6	3.0±0.2	16.5±0.5	88°±2°
18"	450	31	217	194	200	14	15	1200	650	23.5	3.0±0.2	16.5±0.5	88°±2°

MATERIAL:S/S430, S/S202,S/S304,SUS304

FS200 SERIES



Specifi- cation	Length (L)	Length (L1)	Length (L2)	Length (L3)	Length (L4)	Casement width(c)	Arm width(b)	Max.door/ window height	Max.door/ window width	Max.door/ window weight	Supportive suspension strip thickness	Height (H)	Opening angle
8"	205	30	126	46	120	20	16	500	1000	10	2.0±0.2	15.5±0.5	88°±2°
10"	255	30	188	34	148	20	16	1000	500	14	2.0±0.2	15.5±0.5	88°±2°
12"	295	30	202	60	160	20	16	1100	600	16	2.0±0.2	15.5±0.5	88°±2°
14"	340	30	253	55	194	20	16	1150	600	17	2.0±0.2	16.5±0.5	88°±2°
16"	400	30	281	86	209	20	16	1200	600	18	2.0±0.2	16.5±0.5	88°±2°
18"	450	30	187	225	200	20	16	1200	650	26	2.5±0.2	15.5±0.5	88°±2°
20"	500	30	-	-	-	20	16	1200	700	28	2.5±0.2	16±0.5	55°±2°
22"	550	30	-	-	-	20	16	1200	750	33	3.0±0.2	16±0.5	55°±2°
24"	550	30	-	-	-	20	16	1200	800	36	3.0±0.2	16±0.5	55°±2°

MATERIAL:S/S430, S/S202,S/S304,SUS304

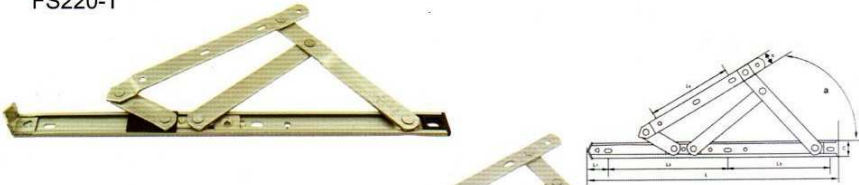
FS2030 SERIES



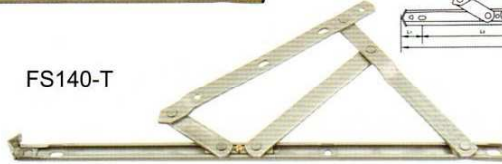
Specification	Length (L)	Length (L1)	Length (L2)	Length (L3)	Length (L4)	Casement width(c)	Arm width (b)	Arm QTY	Max. door/window height	Max. door/window width	Max. door/window weight	Supportive suspension strip thickness	Height (H)	Opening angle
8"	212	30	112	57	120	22	17	1000	500	500	20	2.0±0.2	24±0.5	40°±2°
10"	258	30	142	77	142	22	17	1100	1000	600	25	2.5±0.2	24±0.5	45°±2°
12"	306	30	210	62.5	160	22	17	1200	1100	700	30	2.5±0.2	24±0.5	45°±2°

MATERIAL:S/S430, S/S202,S/S304,SUS304

FS220-T



FS140-T



NFS220-T technical parameter

Specification	Length (L)	Length (L1)	Length (L2)	Length (L3)	Length (L4)	Casement width(c)	Arm width (b)	Max. door/window height	Max. door/window width	Max. door/window weight	Supportive suspension strip thickness	Height (H)	Opening angle
12"	300	32	200	77	84.5	22	18	1200	600	30	2.0±0.2	15±0.5	30°±2°
14"	345	32	194.5	117.5	120	22	18	1200	700	35	3.0±0.2	16.5±0.5	30°±2°
16"	450	32	218.5	150	162.5	22	18	1200	800	38	3.0±0.2	16.5±0.5	30°±2°

MATERIAL:S/S430, S/S202,S/S304,SUS304

NFS140-T technical parameter

Specification	Length (L)	Length (L1)	Length (L2)	Length (L3)	Length (L4)	Casement width(c)	Arm width (b)	Max. door/window height	Max. door/window width	Max. door/window weight	Supportive suspension strip thickness	Height (H)	Opening angle
12"	300	32	200	77	84.5	14	14	1200	600	30	2.0±0.2	15±0.5	30°±2°
14"	345	32	194.5	117.5	120	14	14	1200	700	35	3.0±0.2	16.5±0.5	30°±2°
16"	450	32	218.5	150	162.5	14	14	1200	800	38	3.0±0.2	16.5±0.5	30°±2°

MATERIAL:S/S430, S/S202,S/S304,SUS304

FS180-T SERIES



Specifi- cation	Length (L)	Length (L1)	Length (L2)	Length (L3)	Length (L4)	Casement width(c)	Arm width (b)	Arm QTY	Max.door/ window height	Max.door/ window width	Max.door/ window weight	Casement width	Arm width	Opening angle
8"	219	29	112	66	99	18	16	4	500	1000	11	2.0±0.2	17±0.5	65°±2°
10"	274	31	180	52	149	18	16	4	1000	500	16	2.0±0.2	17±0.5	85°±2°
12"	320	31	199	79	174	18	16	4	1100	600	19	2.0±0.2	17±0.5	65°±2°
14"	320	31	199	79	172	18	16	4	1150	600	22	3.0±0.2	17±0.5	65°±2°
16"	414	31	220	153	188	18	16	4	1200	600	25	2.0±0.2	17±0.5	90°±2°
18"	417	31	284	89	219	18	16	5	1250	600	28	2.0±0.2	17±0.5	90°±2°
20"	517	31	175	300	262	18	16	5	1200	700	28	2.0±0.2	17±0.5	40°±2°
22"	622	31	194	384	314	18	16	6	1200	750	28	2.0±0.2	17±0.5	40°±2°

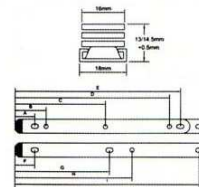
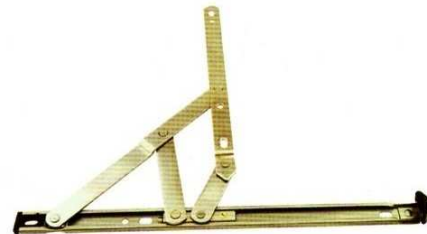
MATERIAL:S/S430, S/S202,S/S304,SUS304

FS180-SH SERIES

Specifi- cation	Stack height	FITTING HOLE DETAILS								
		A	B	C	D	E	F	G	H	I
12"	13.5	38.5	58.5	80.5	195.5	208.5	32	212.5	227.5	297.5
14"	14.5	39.5	59.5	-	236	248.5	30	252	274	341
16"	14.5	37.5	56.5	96.5	225.5	239.5	33	244	264	396
18"	13	32	-	167.5	275.5	288.5	26.5	-	230	446.5
20"	13	32	-	197	-	359	26.5	210	360	505

Specifi- cation	Top or side hung	TECHNICAL PARAMETER				
		Max.vent height	Max.vent width	Max.vent weight	Opening angle	Casement width
12"	top	550	1200	18	85°±2°	18
14"	top	650	1200	20	87°±2°	18
16"	top	750	1200	21	87°±2°	18
18"	top	850	1200	24	52°±2°	18
20"	top	1000	1200	27	42°±2°	18
12"	side	1200	600	16	85°±2°	18
14"	side	1200	600	18	87°±2°	18
16"	side	1200	600	20	87°±2°	18

MATERIAL:S/S430, S/S202,S/S304,SUS304



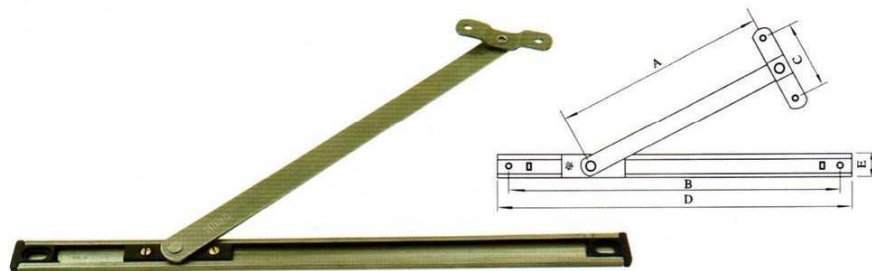
FS200A SERIES



Specification	Length (L)	Length (L1)	Length (L2)	Length (L3)	Length (L4)	Casement width(c)	Arm width (b)	Max. door/window height	Max. door/window width	Max. door/window weight	Supportive suspension strip thickness	Height (H)	Opening angle
8"	205	30	126	46	120	18	16	500	1000	8	2.0±0.2	15.5±0.5	88°±2°
10"	255	30	188	34	148	18	16	1000	500	11	2.0±0.2	15.5±0.5	88°±2°
12"	295	30	202	60	160	18	16	1100	600	12	2.0±0.2	15.5±0.5	88°±2°
14"	340	30	253	55	194	18	16	1150	600	13	2.0±0.2	16.5±0.5	88°±2°
16"	400	30	281	86	209	18	16	1200	600	14	2.0±0.2	16.5±0.5	88°±2°
18"	450	30	187	225	200	18	16	1200	650	20	2.5±0.2	15.5±0.5	88°±2°
20"	500	30	-	-	-	18	16	1200	700	22	2.5±0.2	16±0.5	55°±2°
22"	550	30	-	-	-	18	16	1200	750	26	3.0±0.2	16±0.5	55°±2°
24"	550	30	-	-	-	18	16	1200	800	28	3.0±0.2	16±0.5	55°±2°

MATERIAL: Steel

FC180A SERIES



Specification	A	B	C	D	E
10"	180	249	57.2	268	18
12"	209	279	57.2	298	18
14"	252	325	57.2	344	18
16"	315	381	57.2	400	18

MATERIAL: S/S430, S/S202, S/S304, SUS304

FC180B SERIES



Specifi- cation	Length (L)	Length (L1)	Length (L2)	Length (L3)	Length (L4)	Casement width(c)	Arm width (b)	Max.door/ window height	Max.door/ window width	Max.door/ window weight	Supportive suspension strip thickness	Height (H)	Opening angle
8"	205	30	126	46	120	18	16	500	1000	8	2.0±0.2	15.5±0.5	88°±2°
10"	255	30	188	34	148	18	16	1000	500	11	2.0±0.2	15.5±0.5	88°±2°
12"	295	30	202	60	160	18	16	1100	600	12	2.0±0.2	15.5±0.5	88°±2°
14"	340	30	253	55	194	18	16	1150	600	13	2.0±0.2	16.5±0.5	88°±2°
16"	400	30	281	86	209	18	16	1200	600	14	2.0±0.2	16.5±0.5	88°±2°
18"	450	30	187	225	200	18	16	1200	650	20	2.5±0.2	15.5±0.5	88°±2°
20"	500	30	-	-	-	18	16	1200	700	22	2.5±0.2	16±0.5	55°±2°
22"	550	30	-	-	-	18	16	1200	750	26	3.0±0.2	16±0.5	55°±2°
24"	550	30	-	-	-	18	16	1200	800	28	3.0±0.2	16±0.5	55°±2°

MATERIAL:Steel

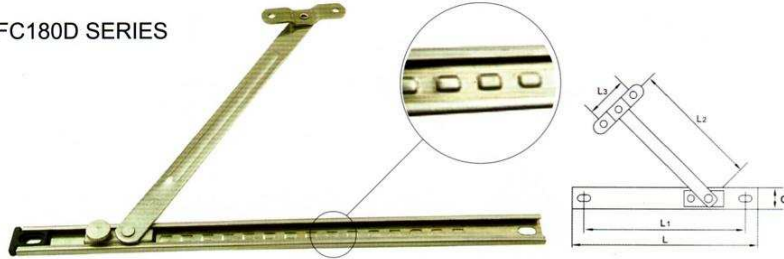
FC180C SERIES



Specification	Length (L)	Length (L1)	Length (L2)	Length (L3)	Casement width(c)	Arm width (b)	Supportive suspension strip thickness	Height (H)
8"	205	183	155	44	18	16	2.0±0.2	15±0.5
10"	255	233	195	44	18	16	2.0±0.2	15±0.5
12"	295	273	235	44	18	16	2.0±0.2	15±0.5
14"	340	318	375	44	18	16	2.5±0.2	16±0.5
16"	400	378	415	44	18	16	2.5±0.2	16±0.5
18"	450	428	455	44	18	16	2.5±0.2	16±0.5

MATERIAL:S/S430, S/S202,S/S304,SUS304

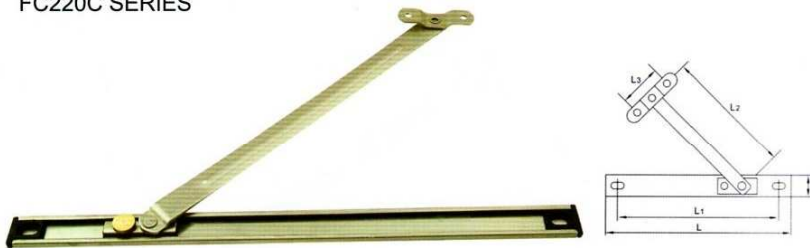
FC180D SERIES



Specification	Length (L)	Length (L1)	Length (L2)	Length (L3)	Casement width(c)	Arm width (b)	Supportive suspension strip thickness	Height (H)
8"	205	183	155	44	18	16	2.0±0.2	15±0.5
10"	255	233	195	44	18	16	2.0±0.2	15±0.5
12"	295	273	235	44	18	16	2.0±0.2	15±0.5
14"	340	318	375	44	18	16	2.5±0.2	16±0.5
16"	400	378	415	44	18	16	2.5±0.2	16±0.5
18"	450	428	455	44	18	16	2.5±0.2	16±0.5

MATERIAL:S/S430, S/S202,S/S304,SUS304

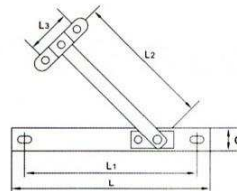
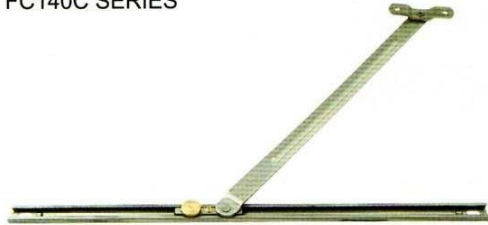
FC220C SERIES



Specification	Length (L)	Length (L1)	Length (L2)	Length (L3)	Casement width(c)	Arm width (b)	Supportive suspension strip thickness	Height (H)
8"	205	183	155	44	22	19	2.0±0.2	15±0.5
10"	255	233	195	44	22	19	2.0±0.2	15±0.5
12"	295	273	235	44	22	19	2.0±0.2	15±0.5
14"	340	318	375	44	22	19	2.5±0.2	16±0.5
16"	400	378	415	44	22	19	2.5±0.2	16±0.5
18"	450	428	455	44	22	19	2.5±0.2	16±0.5

MATERIAL:S/S430, S/S202,S/S304,SUS304

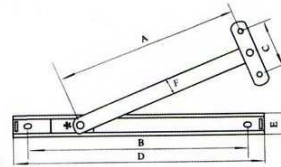
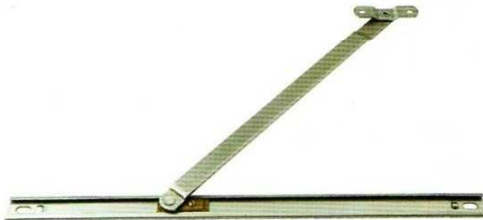
FC140C SERIES



Specification	Length (L)	Length (L1)	Length (L2)	Length (L3)	Casement width(c)	Arm width (b)	Supportive suspension strip thickness	Height (H)
8"	205	183	155	44	14	15	2.0±0.2	15±0.5
10"	255	233	195	44	14	15	2.0±0.2	15±0.5
12"	295	273	235	44	14	15	2.0±0.2	15±0.5
14"	340	318	375	44	14	15	2.5±0.2	16±0.5
16"	400	378	415	44	14	15	2.5±0.2	16±0.5
18"	450	428	455	44	14	15	2.5±0.2	16±0.5

MATERIAL: S/S430, S/S202, S/S304, SUS304

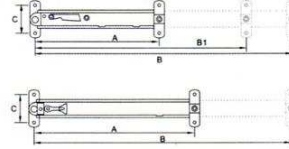
FC200 SERIES



SIZE	A	B	C	D	E	F (Arm width)
8"	130	174	43.5	200	20	16
10"	184	224	43.5	250	20	16
12"	228	269	43.5	295	20	16
14"	285	324	43.5	350	20	16
16"	335	374	43.5	400	20	16
18"	385	424	43.5	450	20	16
20"	435	474	43.5	500	20	16

MATERIAL: S/S430, S/S202, S/S304, SUS304

FC108 SERIES



Specification	Length (L)	Retracted dimension (A)	Extended dimension (B1)	Extended dimension (B)	Mounting hole distance(C)	Height(H)
6"	180	154		200	46	19
7"	203	177	200	250	46	19
8"	226	200	250	300	46	19
9"	249	223	300	350	46	19
10"	274	248	350	400	46	19
11"	298	272	400	450	46	19
12"	322	296	450	500	46	19

MATERIAL:S/S430, S/S202,S/S304,SUS304



FC102



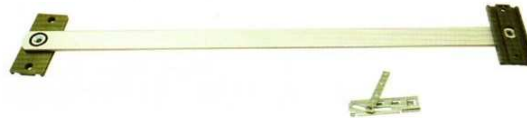
FC101



FC103



FC104



FC105



FC106



FC107



FC108