

HANDLE DRILLING PATTERNS

Note: 686mm & 786mm centres aluminium railing handles have a central hole (ie. 2 x 343mm & 2 x 393mm centres)
 ** 758mm centres aluminium bar handles have a central hole (ie. 2 x 379mm centres)

Drilling Pattern Number	DRILLING POSITIONS															
	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	
209	70	68	160	224	100	160	52	52	298	-	Central	-	42	170	-	
210	70	84	128	128	100	128	52	52	298	-	Central	-	42	170	-	
211	70	68	160	256	100	160	52	52	298	-	Central	-	42	170	-	
212	50	132	32	32	120	32	41	61	282	32	796 flap 382 896 flap 432	32	central knob 32mm crs	Base 41 Wall 61	-	
213	57	132	32	32	120	32	37	57	282	32	796 flap 382 896 flap 432	32	central knob 32mm crs	Base 37 Wall 57	-	
214	55	132	32	32	120	32	35	55	282	32	796 flap 382 896 flap 432	32	central knob 32mm crs	Base 35 Wall 55	-	
215	50	132	32	32	120	32	50	50	282	32	796 flap 382 896 flap 432	32	central knob 32mm crs	50	-	
216	70	68	160	256	129	160	43	43	298	-	Central	-	43	129	-	
217	70	68	160	160	129	160	43	43	298	-	Central	-	43	129	-	
218	70	68	160	224	129	160	43	43	298	-	Central	-	43	129	-	
219	70	84	128	128	129	128	43	43	298	-	Central	-	43	129	-	

HANDLES

DRILLING DETAILS



For further information please contact:
The Customer Services Department
 Tel: 01405 743333 Fax: 01405 743300

THE KITCHEN COLLECTION

HANDLE SUITES

Each of the ranges is 'pop' marked on the reverse for one handle position (shown as 'P' on the table). This is not always the handle photographed in the brochure. Alternative handle choices are shown on the chart by the letter 'A' with a drilling pattern number in brackets (see the drilling pattern table for hole positions). The fascias should be drilled through using a sharp 5mm drill.



SUIE 2 Nickel Finish Bar Handle (1 size) **HP3**

SUIE 20 Nickel Finish Bar Handle (7 sizes) (carries a surcharge)

156mm centres **HP3** 456mm centres **HP32**
 256mm centres **HP29** 632mm centres **HP33**
 306mm centres **HP30** 758mm centres **HP34**
 356mm centres **HP31**



SUIE 22 Aluminium Bar Handle (1 size) **HP35**

SUIE 21 Aluminium Bar Handle (7 sizes) (carries a surcharge)

156mm centres **HP35** 456mm centres **HP39**
 256mm centres **HP36** 632mm centres **HP40**
 306mm centres **HP37** 758mm centres **HP41**
 356mm centres **HP38**



SUIE 27 Aluminium Finish Wide Flat D Handle **HP47**



SUIE 28 Nickel Finish Curved D Handle **HP48**



SUIE 25 Aluminium Finish Flared Bow Handle (carries a surcharge) **HP45**



SUIE 57 Cast Iron Flared D Handle **HP92**



SUIE 54 Chrome Curved D Handle **HP88**



SUIE 24 Aluminium Finish Round End Bow Handle **HP44**



SUIE 36 Wrought Iron T Knob & Drop Bar Handle (T Knob) **HP59** (Drop Bar Handle) **HP60**



SUIE 51 Brushed Loop Handle **HP85**



SUIE 53 Pewter Country Style D Handle **HP87**



SUIE 32 Mackintosh 'Rose' D & Knob Plate (Knob Plate) **HP54** (D Handle) **HP55**



SUIE 32 Mackintosh 'Rose' D & Knob Plate (Knob Plate) **HP54** (D Handle) **HP55**



SUIE 56 Brushed Angled Square Knob **HP91**



SUIE 50 Chrome Square D Handle **HP84**



SUIE 29 Nickel Finish Modern D Handle **HP49**



SUIE 23 Aluminium Finish Square End Bow Handle **HP43**



SUIE 52 Brushed Square Knob **HP86**



SUIE 39 Craze Porcelain Knob **HP66**



SUIE 33 Mackintosh 'Rose' Knob on Plate **HP54**



SUIE 31 Antique Brass Effect Knob/Plate & Drop Bar Handle (Knob & Plate) **HP52** (Drop Bar Handle) **HP53**



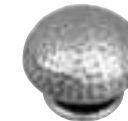
SUIE 12 Reeded T Knob **HP21** and Drop Bar **HP22**
 NB: 300mm wide drawers on T Bar Birch have door knob



SUIE 34 Pewter Cage T Knob & Drop Bar Handle (1 size) (T Knob) **HP56**



SUIE 35 Pewter Cage T Knob & Drop Bar Handle (2 sizes) (T Knob) **HP56** (Drop Bar) 160mm centres **HP57** (Drop Bar) 224mm centres **HP58**



SUIE 37 Cast Iron Knob **HP61**



SUIE 14 Maple Knob **HP24**



SUIE 15 Oak Knob **HP26**



SUIE 30 Satin Nickel Finish D & Cup Handle (D Handle) **HP50** (Cup Handle) **HP51**



SUIE 10 Cast Iron Effect D Handle **HP17**, Cup Handle **HP18** and Knob **HP19**



SUIE 8 Pewter Cage Knob **HP14** and Drop Bar **HP15**
 N.B. 300mm wide drawers on T Bar Birch have door knob (Carries a surcharge)



SUIE 11 Cast Iron Effect Knob **HP19** SUIE 9 Pewter Cage Knob **HP14**



SUIE 44 Aluminium Finish Shaped Bow **HP75**



SUIE 47 Brushed Nickel Bar Handle with Wedge Ends (160mm) **HP78** (288mm) **HP79**



SUIE 13 Reeded T Knob **HP21**



SUIE 16 Oval Nickel Knob **HP28**



SUIE 45 Matt Finish Nickel Waisted D **HP76**



SUIE 46 Brushed Finish Nickel Heavy D **HP77**



SUIE 48 Pewter D Handle with Diamond Motif **HP80**



SUIE 1 Satin Finish D Handle **HP1**



SUIE 5 Satin Finish Flared D Handle **HP6**



SUIE 40 Aluminium Finish D Handle **HP68**



SUIE 49 Pewter T Knob and Drop Bars (T Knob) **HP81** (Drop Bar) 160mm centres **HP82** (Drop Bar) 256mm centres **HP83**



SUIE 55 Brushed Slim D Handle 128mm centres **HP89** 256mm centres **HP90**



SUIE 3 Satin Finish Flat D Handle **HP4**



SUIE 6 Satin Finish Rounded D Handle **HP7**



SUIE 42 Dimpled Aluminium D Handle **HP72**



SUIE 7 Aluminium Railing Handle (7 sizes) (Carries a surcharge)

186mm centres **HP8** 686mm centres **HP12**
 336mm centres **HP9** 286mm centres **HP13**
 386mm centres **HP10** 786mm centres **HP74**
 486mm centres **HP11**



SUIE 41 Aluminium Finish D Handle (4 sizes)

160mm centres **HP68**
 256mm centres **HP69**
 320mm centres **HP70**
 448mm centres **HP71**



SUIE 4 Satin Finish Square D Handle **HP5**



SUIE 26 Aluminium Finish Square D Handle **HP46**



SUIE 43 Mackintosh Knob and Backplate **HP73**
 N.B. Handle Suite 43, 32 & 33 knob can be used without backplate eg. on spice drawers

HANDLE SUITES

Please note: The range names quoted are those printed on the fascia packaging labels.

Each of the ranges is 'pop' marked on the reverse for one handle position (shown as 'P' on the table).

This is not always the handle photographed in the brochure.

Alternative handle choices are shown on the chart by the letter 'A' with a drilling pattern number in brackets (see the drilling pattern table for hole positions).

The fascias should be drilled through using a sharp 5mm drill.

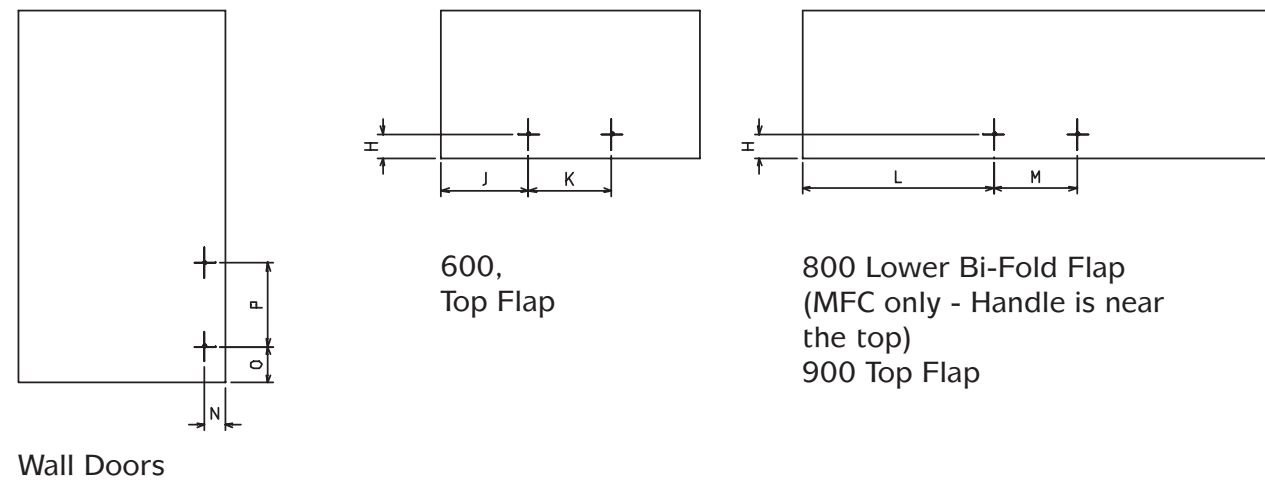
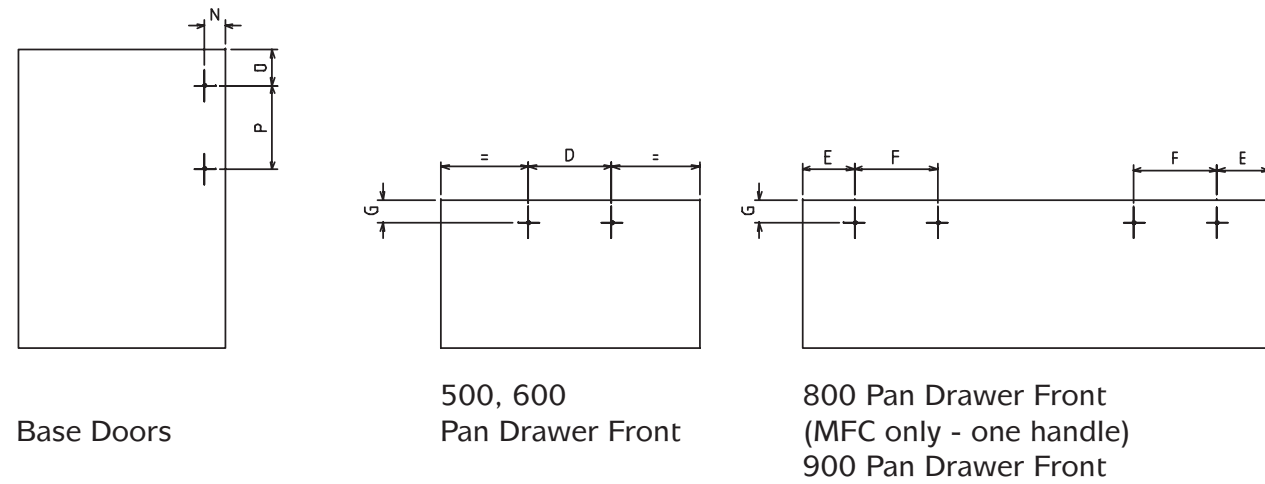
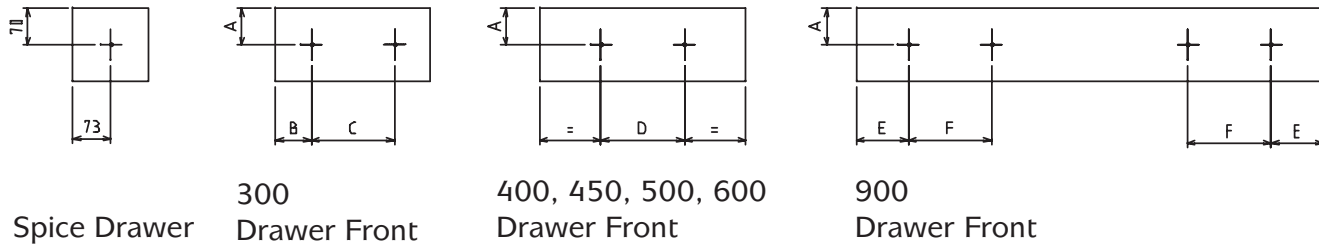
	MFC (all colours) & Gullwings (all colours)	Saponetta (all colours)	Buttermilk Fielded	Gloss Slab (all colours)	Buttermilk Cosmopolitan	Buttermilk Cushioned	Foil Stepped Honey	Oakwood Shaker	Honey, Natural & Beech Wood Shaker	Birchwood Shaker & Shaker Buttermilk PVC	Foil Shaker (all colours)	T Bar Buttermilk	Planked Buttermilk	Slim Frame Maple	Maple Wood Shaker	T Bar Birch	Planked Birch	Buttermilk In Frame	Knotty Oak	Natural Traditional Oak
1). 128crs D handle	A (11)	A (11)	A(46)	A(183)	A(90)	P	A(55)	A (25)	A(101)	A (16)	A (16)	-	P	A(67)	A (16)	-	A (4)	-	-	-
2). 156crs Bar handle (nickel)	A (12)	A (12)	A(47)	A(188)	A(88)	A(94)	A(56)	A (26)	A(100)	A (17)	P	-	A (39)	A(68)	A (17)	-	A (5)	-	-	-
3). 160crs Flat D Handle	P	P	A(48)	P	A(89)	A(95)	P	P	P	P	A (18)	-	A (40)	P	P	-	A (6)	A(162)	-	-
4). 160crs Square D Handle	P	P	A(48)	P	A(89)	A(95)	P	P	P	P	A (18)	-	A (40)	P	P	-	A (6)	A(162)	-	-
5). 160crs Flared D Handle	P	P	A(48)	P	A(89)	A(95)	P	P	P	P	A (18)	-	A (40)	P	P	-	A (6)	A(162)	-	-
6). 160crs Rounded D Handle	P	P	A(48)	P	A(89)	A(95)	P	P	P	P	A (18)	-	A (40)	P	P	-	A (6)	A(162)	-	-
7). Railing Handle 6 sizes	A (13)	A (24)	-	A(184)	-	-	A(57)	A (27)	-	A (19)	A (19)	-	A (41)	A (13)	A (19)	-	-	-	-	-
8). Pewter Cage 160crs Drop Bar & Knob**	-	-	A(49)	-	-	-	A(58)	A (28)	-	A (20)	A (20)	A (35)	A (42)	-	A (20)	A (32)	A (7)	-	P	A(206)
9). Pewter Cage Knob (two on drawer fronts*)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A (33)	-	-	-	-
10). Cast Iron effect 96crs D and 64crs Cup	-	-	A(50)	-	-	-	A(59)	A (29)	-	A (21)	A (21)	A (36)	A (43)	-	A (21)	P	A (8)	A(164)	A(174)	A(204)
11). Cast Iron effect Knob (two on drawer fronts*)	-	-	A(51)	-	A(92)	A(98)	A(60)	A (30)	A(104)	A (22)	A (22)	A (37)	A (44)	-	A (22)	A (33)	A (9)	-	A(175)	A(205)
12). Reeded 160crs Drop Bar / T Knob**	-	-	A(52)	-	-	-	A(61)	A (28)	-	A (20)	A (20)	P	A (42)	-	A (20)	A (32)	P	-	P	A(206)
13). Reeded T Knob (two on drawer fronts*)	-	-	A(51)	-	A(92)	A(98)	A(60)	A (30)	A(104)	A (22)	A (22)	A (37)	A (44)	-	A (22)	A (33)	A (9)	A(163)	A(175)	A(205)
14). Maple Knobs (two on drawer fronts*)	A (14)	A (14)	A(51)	A(185)	A(92)	A(98)	-	-	A(104)	A (22)	A (22)	A (37)	A (44)	A(69)	A (22)	A (33)	A (9)	A(163)	-	-
15). Light Oak Knobs (two on drawer fronts*)	A (14)	A (14)	A(51)	A(185)	A(92)	A(98)	-	A (30)	-	A (22)	A(22)	A (37)	A (44)	-	-	-	-	A(163)	-	-
16). Oval Nickel Knob (one on drawer fronts)	A (15)	A (15)	A(53)	A(186)	-	-	A(62)	A (31)	-	A (23)	A (23)	A (38)	A (45)	A(70)	A (23)	A (34)	A (10)	-	-	-
20). Nickel Bar Handles (7 sizes)	A(82)	A(82)	-	A(187)	A(87)	A(93)	-	A(128)	A(99)	A(82)	A(82)	-	A(82)	A(82)	A(82)	-	-	-	-	-
21). Aluminium Bar Handles (7 sizes)	A(82)	A(82)	-	A(187)	A(87)	A(93)	-	A(128)	A(99)	A(82)	A(82)	-	A(82)	A(82)	A(82)	-	-	-	-	-
22). 156crs Bar Handle (aluminium)	A (12)	A (12)	A(47)	A(188)	A(88)	A(94)	A(56)	A (26)	A(100)	A (17)	P	-	A (39)	A(68)	A (17)	-	A (5)	-	-	-
23). 128crs Square End Bow Handle	A(11)	A (11)	-	A(183)	A(90)	P	-	A (25)	A(101)	-	A (16)	-	-	-	-	-	-	-	-	-
24). 160crs Round End Bow Handle	P	P	-	P	A(89)	A(95)	-	P	P	-	A (18)	-	-	-	-	-	-	A(162)	-	-
25). 160crs Flared Bow Handle	P	P	A(48)	P	A(89)	A(95)	P	P	P	P	A (18)	-	A (40)	P	P	-	A (6)	A (162)	-	-
26). 160crs Square Aluminium Colour D Handle	P	P	A(48)	P	A(89)	A(95)	P	P	P	P	A (18)	-	A (40)	P	P	-	A (6)	A(162)	-	-
27). 160crs Wide Flat D Handle	P	P	A(48)	P	A(89)	A(95)	P	P	P	P	A (18)	-	A (40)	P	P	-	A (6)	A(162)	-	-
28). 128crs Curved D Handle	A (11)	A (11)	A(46)	A(183)	A(90)	P	A(55)	A (25)	A(101)	A (16)	A (16)	-	P	A(67)	A (16)	-	A (4)	P	-	P
29). 128crs Modern Nickel D Handle	A (11)	A (11)	-	A(183)	A(90)	P	-	A (25)	A(101)	-	A (16)	-	-	-	-	-	-	P	-	P
30). Shaker 96crs D & 64crs Cup Handle	A(83)	A(83)	-	A(189)	P	A(96)	-	A(129)	A(102)	A(85)	A(85)	-	A(85)	A(83)	A(85)	-	A(86)	A(165)	-	-
31). Antique Brass knob & Plate & 96crs Bar Handle	-	-	-	-	-	-	-	A(130)	A(138)	-	A(149)	-	-	-	-	-	-	A(166)	A(176)	-
32). Mackintosh 'Rose' 96crs D & Knob on Plate****	A(113)	A(113)	-	A(190)	A(116)	A(121)	-	A(131)	A(139)	-	A(113)	-	-	-	A(113)	-	-	A(167)	A(177)	A(207)
33). Mackintosh 'Rose' Knob on Plate****	A(114)	A(114)	P	A(191)	A(91)	A(97)	A(64)	A(75)	A(103)	A(66)	A(66)	A(76)	A(78)	A(72)	A(66)	A(79)	A(81)	A(168)	A(178)	A(208)
34). Cage T knob & 160crs Drop Bar	-	-	A(217)	-	A(117)	A(122)	-	A(132)	A(140)	-	A(150)	-	-	-	-	-	-	A(169)	P	A(206)
35). Cage T knob & 160crs & 224crs Drop Bar	-	-	A(218)	-	A(118)	A(123)	-	A(133)	A(141)	-	A(151)	-	-	-	-	-	-	A(170)	A(179)	A(209)
36). Wrought Iron T knob & 128crs Drop Bar	-	-	A(219)	-	A(119)	A(124)	-	A(134)	A(142)	-	A(152)	-	-	-	-	-	-	A(171)	A(195)	A(210)
37). Cast iron knob (two on drawer fronts*)	A (14)	A (14)	A(51)	A(185)	A(92)	A(98)	-	A (30)	A(104)	-	A (22)	-	-	-	-	-	-	A(163)	A(175)	A(205)
39). Crazed Porcelain Knob (two on drawer fronts*)	A (14)	A (14)	A(51)	A(185)	A(92)	A(98)	-	A (30)	A(104)	A (22)	A (22)	A (37)	A (44)	A(69)	A (22)	A (33)	A (9)	A(163)	A(175)	A(205)
40). 160crs 8mm dia Aluminium colour D Handle	P	P	A(48)	P	A(89)	A(95)	P	P	P	P	A (18)	-	A (40)	P	P	-	A (6)	A(162)	-	-
41). Long 8mm dia Aluminium colour D Handles	A(73)	A(73)	A(54)	A(192)	-	-	A(63)	A(74)	-	A(65)	A(65)	-	A(77)	A(71)	A(65)	-	A(80)	-	-	-
42). 160crs Dimpled Aluminium colour D Handle	P	P	A(48)	P	A(89)	A(95)	P	P	P	P	A (18)	-	A (40)	P	P	-	A (6)	A(162)	-	-
43). Mackintosh Knob & Backplate****	-	-	P	-	A(91)	A(97)	A(64)	A(75)	A(103)	A(66)	A(66)	A(76)	A(78)	A(72)	A(66)	A(79)	A(81)	-	A(180)	A(208)
44). 128crs Aluminium colour Shaped Bow Handle	A(11)	A (11)	A(46)	A(183)	A(90)	P	A(55)	A (25)	A(101)	A (16)	A (16)	-	P	A(67)	A (16)	-	A (4)	-	-	-
45). 160crs Satin Nickel colour Waisted D Handle	P	P	A(48)	P	A(89)	A(95)	P	P	P	P	A (18)	-	A (40)	P	P	-	A (6)	A(162)	-	-
46). 192crs Brushed Nickel colour Heavy D Handle	A(111)	A(111)	-	A(193)	-	-	A(127)	A(135)	A(143)	A(146)	A(146)	-	A(146)	A(111)	A(146)	-	-	-	-	-
47). 160 & 288crs Brushed Nickel Bar Handle with Wedge Ends	A(112)	A(115)	-	A(194)	A(112)	A(125)	-	A(136)	A(144)	A(147)	A(147)	-	A(147)	A(115)	A(147)	-	-	A(172)	-	-
48). 128crs Pewter D Handle with Diamond Motif	A(11)	A (11)	A(46)	-	A(90)	P	A(55)	A (25)	A(101)	A (16)	A (16)	-	-	-	A (16)	-	A (4)	P	A(181)	P
49). Pewter T Knob & 160crs & 256crs Drop Bars	-	-	A(216)	-	A(120)	A(126)	-	A(137)	A(145)	A(148)	A(148)	-	-	-	A(148)	-	-	A(173)	A(182)	A(211)
50). 160crs Chrome Square D Handle	P	P	A(48)	P	A(89)	A(95)	P	P	P	P	A (18)	-	A (40)	P	P	-	A (6)	A(162)	-	-
51). 160crs Brushed Loop Handle	P	P	A(48)	P	A(89)	A(95)	P	P	P	P	A (18)	-	A (40)	P	P	-	A (6)	A(162)	-	-
52). 32crs Brushed Square Knob	A(196)	A(196)	-	A(196)	-	-	-	A(198)	A(200)	A(202)	A(202)	-	-	-	A(202)	-	-	-	-	-
53). 128crs Pewter Country Style D Handle	A(11)	A(11)	A(46)	A(183)	A(90)	p	A(55)	A(25)	A(101)	A(16)	A(16)	-	p	A(67)	A(16)	-	A(4)	p	A(181)	P
54). 160crs Chrome Curved D Handle	P	P	A(48)	P	A(89)	A(95)	P	P	P	P	A(18)	-	A(40)	P	P	-	A(6)	A(162)	-	-
55). 128crs & 256crs Brushed Slim D Handles	A(197)	A(197)	-	A(197)	-	-	-	A(199)	A(201)	A(203)	A(203)	-	-	A(197)	A(203)	-	-	-	-	-
56). 32crs Brushed Angled Square Knob	A(215)	A(215)	-	A(215)	-	-	-	A(212)	A(213)	A(214)	A(214)	-	-	-	A(214)	-	-	-	-	-
57). 128crs Cast Iron Flared D Handle	A(11)	A(11)	A(46)	A(183)	A(90)	P	A(55)	A(25)	A(101)	A(16)	A(16)	-	P	A(67)	A(16)	-	A(4)	P	A(181)	P

* 300mm drawer fronts have one handle ** 300mm wide drawer fronts on Birch Panelled have door handle (knob) **** knob can be used without backplate eg. on spice drawers

HANDLE POSITIONS

See the drilling patterns table for dimensions

Note: Dishwasher doors and doors on base units with type 1 & 2 internal drawers are supplied with a 'drawer front' handle instead of a 'door' handle.



HANDLE DRILLING PATTERNS

Note: 686mm & 786mm centres aluminium railing handles have a central hole (ie. 2 x 343mm & 2 x 393mm centres)

Drilling Pattern Number	DRILLING POSITIONS															
	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	
4	70	84	128	128	-	-	35	35	234	128	-	-	35	82	128	
5	70	70	156	156	-	-	35	35	220	156	-	-	35	82	156	
6	70	68	160	160	-	-	35	35	218	160	-	-	35	82	160	
7	70	68	160	160	-	-	35	35	298	-	-	-	35	82	-	
8	77	116	64	64	-	-	44	35	250	96	-	-	35	82	96	
9	70	148	-	396 Dr Front: 196 446 Dr Front: 246 496 Dr Front: 296 596 Dr Front: 396	-	-	35	35	298	-	-	-	35	82	-	
10	70	148	-	Central Knob	-	-	35	35	298	-	-	-	35	82	-	
11	70	84	128	128	796 Pan Dr: 334 896 Pan Dr: 120	128	42	596 flap: 42 796 flap: 242 896 flap: 42	234	128	796 flap: 334 896 flap: 384	128	42	65	128	
12	70	70	156	156	796 Pan Dr: 320 896 Pan Dr: 120	156	42	596 flap: 42 796 flap: 242 896 flap: 42	220	156	796 flap: 320 896 flap: 370	156	42	85	156	
13	61	55	186	396 Dr Front: 286 446 Dr Front: 336 496 Dr Front: 386 596 Dr Front: 486	55	-	61	596 flap: 61 796 flap: 223 896 flap: 61	55	486	55	796 flap: 686 896 flap: 786	61	55	450 Door: 186 490 Door: 186 572 Door: 336 716 Door: 386 896 Door: 486 1065 Door: 686 1201 Door: 686 1245 Door: 686	
14	70	148	-	396 Dr Front: 196 446 Dr Front: 246 496 Dr Front: 296 596 Dr Front: 396	796 Pan Dr: 398 896 Pan Dr: 100	-	42	596 flap: 42 796 flap: 242 896 flap: 42	298	-	796 flap: 398 896 flap: 448	-	42	65	-	
15	70	148	-	Central Knob	796 Pan Dr: 398 896 Pan Dr: 100	-	42	596 flap: 42 796 flap: 242 896 flap: 42	298	-	796 flap: 398 896 flap: 448	-	42	65	-	
16	70	84	128	128	120	128	45	45	234	128	384	128	45	90	128	
17	70	70	156	156	120	156	45	45	220	156	370	156	45	90	156	
18	70	68	160	160	120	160	45	45	218	160	368	160	45	90	160	
19	45	55	186	396 Dr Front: 286 446 Dr Front: 336 496 Dr Front: 386 596 Dr Front: 486	55	-	45	45	55	486	55	786	45	45	450 Door: 186 490 Door: 186 572 Door: 336 716 Door: 386 896 Door: 486 1065 Door: 686 1201 Door: 686 1245 Door: 686	
20	70	68	160	160	120	160	45	45	298	-	448	-	45	90	-	
21	77	116	64	64	120	64	52	45	250	96	400	96	45	90	96	
22	70	148	-	396 Dr Front: 196 446 Dr Front: 246 496 Dr Front: 296 596 Dr Front: 396	100	-	45	45	298	-	448	-	45	90	-	
23	70	148	-	Central Knob	120	-	45	45	298	-	448	-	45	90	-	

HANDLE DRILLING PATTERNS

Note: 686mm & 786mm centres aluminium railing handles have a central hole (ie. 2 x 343mm & 2 x 393mm centres)

DRILLING POSITIONS																
Drilling Pattern Number	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	
24	61	55	186	396 Dr Front: 286 446 Dr Front: 336 496 Dr Front: 386 596 Dr Front: 486	55	-	61	61	55	486	55	786	42	55	450 Door: 186 490 Door: 186 572 Door: 336 716 Door: 386 896 Door: 486 1065 Door: 686 1201 Door: 686 1245 Door: 686	
25	70	84	128	128	120	128	52	52	234	128	384	128	52	103	128	
26	70	70	156	156	120	156	52	52	220	156	370	156	52	103	156	
27	52	55	186	396 Dr Front: 286 446 Dr Front: 336 496 Dr Front: 386 596 Dr Front: 486	55	-	52	52	55	486	55	786	52	52	450 Door: 186 490 Door: 186 572 Door: 336 716 Door: 386 896 Door: 486 1065 Door: 686 1201 Door: 686 1245 Door: 686	
28	70	68	160	160	120	160	52	52	298	-	448	-	52	103	-	
29	77	116	64	64	120	64	59	52	250	96	400	96	52	103	96	
30	70	148	-	396 Dr Front: 156 446 Dr Front: 206 496 Dr Front: 256 596 Dr Front: 356	120	-	52	52	298	-	448	-	52	103	-	
31	70	148	-	Central Knob	120	-	52	52	298	-	448	-	52	103	-	
32	70	148	-	160	-	-	38	38	298	-	-	-	43	90	-	
33	70	148	-	396 Dr Front: 156 446 Dr Front: 206 496 Dr Front: 256 596 Dr Front: 356	-	-	38	38	298	-	-	-	43	90	-	
34	70	148	-	Central Knob	-	-	38	38	298	-	-	-	43	90	-	
35	70	68	160	160	-	-	41	41	298	-	-	-	47	135	-	
36	77	116	64	64	-	-	48	41	250	96	-	-	47	90	96	
37	70	148	-	396 Dr Front: 196 446 Dr Front: 246 496 Dr Front: 296 596 Dr Front: 396	-	-	41	41	298	-	-	-	47	135	-	
38	70	148	-	Central Knob	-	-	41	41	298	-	-	-	47	135	-	
39	70	70	156	156	120	156	45	45	220	156	370	156	45	90	156	
40	70	68	160	160	120	160	45	45	218	160	368	160	45	90	160	
41	45	55	186	396 Dr Front: 286 446 Dr Front: 336 496 Dr Front: 386 596 Dr Front: 486	55	-	45	45	55	486	55	786	45	45	450 Door: 186 490 Door: 186 572 Door: 336 716 Door: 386 896 Door: 486 1065 Door: 686 1201 Door: 686 1245 Door: 686	
42	70	68	160	160	120	160	45	45	298	-	448	-	45	90	-	
43	77	116	64	64	120	64	52	45	250	96	400	96	45	90	96	

HANDLE DRILLING PATTERNS

Note: 686mm & 786mm centres aluminium railing handles have a central hole (ie. 2 x 343mm & 2 x 393mm centres)

DRILLING POSITIONS																
Drilling Pattern Number	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	
44	70	148	-	396 Dr Front: 166 446 Dr Front: 216 496 Dr Front: 266 596 Dr Front: 366	115	-	45	45	298	-	448	-	45	90	-	
45	70	148	-	Central Knob	120	-	45	45	298	-	448	-	45	90	-	
46	70	84	128	128	129	128	43	43	234	128	384	128	43	129	128	
47	70	70	156	156	129	156	43	43	220	156	370	156	43	129	156	
48	70	68	160	160	129	160	43	43	218	160	368	160	43	129	160	
49	70	68	160	160	129	160	43	43	298	-	448	-	43	129	-	
50	77	116	64	64	129	64	50	43	250	96	400	96	43	129	96	
51	70	148	-	396 Dr Front: 156 446 Dr Front: 206 496 Dr Front: 256 596 Dr Front: 356	120	-	43	43	298	-	448	-	43	129	-	
52	70	68	160	160	129	160	43	43	298	-	448	-	43	129	-	
53	70	148	-	Central Knob	129	-	43	43	298	-	448	-	43	129	-	
54	70	68	160	396 Dr Front: 256 446 Dr Front: 256 496 Dr Front: 320 596 Dr Front: 448	79	256	43	43	170	256	320	256	43	79	450 Door: 256 490 Door: 256 572 Door: 256 716 Door: 320 896 Door: 448 1065 Door: 448 1201 Door: 448 1245 Door: 448	
55	70	84	128	128	120	128	42.5	42.5	234	128	384	128	42.5	95	128	
56	70	70	156	156	120	156	42.5	42.5	220	156	370	156	42.5	95	156	
57	42.5	55	186	396 Dr Front: 286 446 Dr Front: 336 496 Dr Front: 386 596 Dr Front: 486	55	-	42.5	42.5	55	486	55	786	42.5	95	450 Door: 186 490 Door: 186 572 Door: 336 716 Door: 386 896 Door: 486 1065 Door: 686 1201 Door: 686 1245 Door: 686	
58	70	68	160	160	120	160	42.5	42.5	298	-	448	-	42.5	95	-	
59	77	116	64	64	120	64	50	42.5	250	96	400	96	42.5	95	96	
60	70	148	-	396 Dr Front: 156 446 Dr Front: 206 496 Dr Front: 256 596 Dr Front: 356	120	-	42.5	42.5	298	-	448	-	42.5	95	-	
61	70	68	160	160	120	160	42.5	42.5	298	-	448	-	42.5	95	-	
62	70	148	-	Central Knob	120	-	42.5	42.5	298	-	448	-	42.5	95	-	
63	70	68	160	396 Dr Front: 256 446 Dr Front: 256 496 Dr Front: 320 596 Dr Front: 448	70	256	42.5	42.5	170	256	320	256	42.5	95	450 Door: 256 490 Door: 256 572 Door: 256 716 Door: 320 896 Door: 448 1065 Door: 448 1201 Door: 448 1245 Door: 448	

HANDLE DRILLING PATTERNS

Note: 686mm & 786mm centres aluminium railing handles have a central hole (ie. 2 x 343mm & 2 x 393mm centres)

Drilling Pattern Number	DRILLING POSITIONS														
	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P
64	70	148	-	Central Knob	170	-	42.5	42.5	298	-	448	-	42.5	170	-
65	70	68	160	396 Dr Front: 256 446 Dr Front: 256 496 Dr Front: 320 596 Dr Front: 448	75	256	45	45	170	256	320	256	45	90	450 Door: 256 490 Door: 256 572 Door: 256 716 Door: 320 896 Door: 448 1065 Door: 448 1201 Door: 448 1245 Door: 448
66	70	148	-	Central Knob	170	-	45	45	298	-	448	-	45	170	-
67	70	84	128	128	120	128	55	55	234	128	384	128	55	70	128
68	70	70	156	156	120	156	55	55	220	156	370	156	55	90	156
69	70	148	-	396 Dr Front: 156 446 Dr Front: 206 496 Dr Front: 256 596 Dr Front: 356	120	-	55	55	298	-	448	-	55	55	-
70	70	148	-	Central Knob	120	-	55	55	298	-	448	-	55	70	-
71	70	68	160	396 Dr Front: 256 446 Dr Front: 256 496 Dr Front: 320 596 Dr Front: 448	80	256	55	55	170	256	320	256	55	55	450 Door: 256 490 Door: 256 572 Door: 256 716 Door: 320 896 Door: 448 1065 Door: 448 1201 Door: 448 1245 Door: 448
72	70	148	-	Central Knob	170	-	55	55	298	-	448	-	55	170	-
73	70	68	160	396 Dr Front: 256 446 Dr Front: 256 496 Dr Front: 320 596 Dr Front: 448	796 Pan Dr: 270 896 Pan Dr: 80	256	45	596 flap: 45 796 flap: 239 896 flap: 45	170	256	796 flap: 270 896 flap: 320	256	45	45	450 Door: 256 490 Door: 256 572 Door: 256 716 Door: 320 896 Door: 448 1065 Door: 448 1201 Door: 448 1245 Door: 448
74	70	68	160	396 Dr Front: 256 446 Dr Front: 256 496 Dr Front: 320 596 Dr Front: 448	80	256	51.5	51.5	170	256	320	256	51.5	103	450 Door: 256 490 Door: 256 572 Door: 256 716 Door: 320 896 Door: 448 1065 Door: 448 1201 Door: 448 1245 Door: 448
75	70	148	-	Central Knob	170	-	51.5	51.5	298	-	448	-	51.5	170	-
76	70	148	-	Central Knob	170	-	41	41	298	-	448	-	47	170	-
77	70	68	160	396 Dr Front: 256 446 Dr Front: 256 496 Dr Front: 320 596 Dr Front: 448	80	256	45	45	170	256	320	256	45	90	450 Door: 256 490 Door: 256 572 Door: 256 716 Door: 320 896 Door: 448 1065 Door: 448 1201 Door: 448 1245 Door: 448
78	70	148	-	Central Knob	170	-	45	45	298	-	448	-	45	170	-
79	70	148	-	Central Knob	170	-	38	38	298	-	448	-	43	170	-

HANDLE DRILLING PATTERNS

Note: 686mm & 786mm centres aluminium railing handles have a central hole (ie. 2 x 343mm & 2 x 393mm centres)

** 758mm centres aluminium bar handles have a central hole (ie. 2 x 379mm centres)

Drilling Pattern Number	DRILLING POSITIONS														
	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P
80	70	68	160	396 Dr Front: 256 446 Dr Front: 256 496 Dr Front: 320 596 Dr Front: 448	80	256	35	35	170	256	320	256	35	82	450 Door: 256 490 Door: 256 572 Door: 256 716 Door: 320 896 Door: 448 1065 Door: 448 1201 Door: 448 1245 Door: 448
81	70	148	-	Central Knob	170	-	35	35	298	-	448	-	35	170	-
82	45	70	156	396Dr=256 446Dr=306 496Dr=356 596Dr=456	69	-	45	45	70	456	796 Flap 82 896 Flap 69	796 Flap 632 896 Flap 758**	45	90	450Dr=256 490Dr=256 572DR=306 716Dr=356 896DR=456 1065DR=632 1201Dr=758** 1245Dr=758**
83	70	116	64	64	120	64	52	45	250	96	796 Flap 350 896 Flap 400	96	45	100	96
85	70	116	64	64	120	64	52	45	250	96	400	96	45	100	96
86	70	116	64	64	120	64	42	35	250	96	400	96	35	90	96
87	35	70	156	396Dr=256 446Dr=306 496Dr=356 596Dr=456	69	-	35	35	70	456	796 Flap 82 896 Flap 69	796 Flap 632 896 Flap 758**	35	79	450Dr=256 490Dr=256 572DR=306 716Dr=356 896DR=456 1065DR=632 1201Dr=758** 1245Dr=758**
88	70	70	156	156	100	156	35	35	220	156	370	156	35	79	156
89	70	68	160	160	120	160	35	35	218	160	368	160	35	90	160
90	70	84	128	128	120	128	35	35	234	128	384	128	35	90	128
91	70	148	-	central knob	170	-	35	35	298	-	448	-	35	170	-
92	70	148	-	396 Dr=196 446Dr=246 496Dr=296 596Dr=396	100	-	35	35	298	-	448	-	35	70	-
93	44	70	156	396Dr=256 446Dr=306 496Dr=356 596Dr=456	69	-	44	44	70	456	796 flap 82 896 Flap 69	796 Flap 632 896 Flap 758**	44	90	450Dr=256 490Dr=256 572DR=306 716Dr=356 896DR=456 1065DR=632 1201Dr=758** 1245Dr=758**
94	70	70	156	156	120	156	44	44	220	156	370	156	44	90	156

HANDLE DRILLING PATTERNS

Note: 686mm & 786mm centres aluminium railing handles have a central hole (ie. 2 x 343mm & 2 x 393mm centres)
 ** 758mm centres aluminium bar handles have a central hole (ie. 2 x 379mm centres)

Drilling Pattern Number	DRILLING POSITIONS															
	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	
95	70	68	160	160	130	160	44	44	218	160	368	160	44	108	160	
96	70	116	64	64	120	64	51	44	250	96	400	96	44	108	96	
97	70	148	-	central knob	170	-	44	44	298	-	448	-	44	170	-	
98	70	148	-	396 Dr=156 446Dr=206 496Dr=256 596Dr=356	120	-	44	44	298	-	448	-	44	90	-	
99	47.5	70	156	396Dr=256 446Dr=306 496Dr=356 596Dr=456	69	-	47.5	47.5	70	456	796 Flap 82 896 Flap 69	796 Flap 632 896 Flap 758**	47.5	95	450Dr=256 490Dr=256 572Dr=306 716Dr=356 896DR=456 1065DR=632 1201Dr=758** 1245Dr=758**	
100	70	70	156	156	120	156	47.5	47.5	220	156	370	156	47.5	95	156	
101	70	84	128	128	120	128	47.5	47.5	234	128	384	128	47.5	110	128	
102	70	116	64	64	120	64	54	47.5	250	96	400	96	47.5	105	96	
103	70	148	-	central knob	170	-	47.5	47.5	298	-	448	-	47.5	170	-	
104	70	148	-	396 Dr=156 446 Dr=206 496 Dr=256 596 Dr=356	120	-	47.5	47.5	298	-	448	-	47.5	95	-	
111	70	52	192	192	100	192	42	42	202	192	796 Flap 302 896 Flap 352	- 192	42	65	192	
112	70	68	160	288	304	288	35	35	154	288	796 Flap 254 896 Flap 304	288	35	70	288	
113	70	100	96	96	120	96	57	45	298	-	448	-	45	170	-	
114	70	148	-	central knob	170	-	45	45	298	-	448	-	45	170	-	
115	70	68	160	288	304	288	42	42	154	288	796 Flap 254 896 Flap 304	288	42	70	288	
116	70	100	96	96	120	96	47	35	298	-	448	-	35	170	-	
120	70	68	160	256	100	160	35	35	298	-	448	-	35	170	-	
121	70	100	96	96	120	96	56	44	298	-	448	-	44	170	-	
122	70	68	160	160	100	160	44	44	298	-	448	-	44	170	-	
123	70	68	160	224	100	160	44	44	298	-	448	-	44	170	-	
124	70	84	128	128	100	128	44	44	298	-	448	-	44	98	-	
125	70	68	160	288	304	288	44	44	154	288	796 Flap 254 896 Flap 304	288	44	108	288	
126	70	68	160	256	100	160	44	44	298	-	448	-	44	170	-	

HANDLE DRILLING PATTERNS

Note: 686mm & 786mm centres aluminium railing handles have a central hole (ie. 2 x 343mm & 2 x 393mm centres)
 ** 758mm centres aluminium bar handles have a central hole (ie. 2 x 379mm centres)

Drilling Pattern Number	DRILLING POSITIONS															
	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	
127	70	52	192	192	120	192	42	42	202	192	796 Flap 302 896 Flap 352	192	42	95	192	
128	51.5	70	156	396 Dr = 256 446 Dr = 306 496 Dr = 356 596 Dr = 456	69	-	51.5	51.5	70	456	69	758*	51.5	103	450 Dr = 256 490 Dr = 256 572 Dr = 306 716 Dr = 356 896 Dr = 456 1065 Dr = 632 1201 Dr = 758* 1245 Dr = 758*	
129	70	116	64	64	130	64	58	51.5	250	96	400	96	51.5	103	96	
130	70	100	96	96	120	96	51.5	51.5	298	-	448	-	51.5	central	-	
131	70	100	96	96	120	96	63	51.5	298	-	448	-	51.5	170	-	
132	70	68	160	160	100	160	51.5	51.5	298	-	448	-	51.5	170	-	
133	70	68	160	224	100	160	51.5	51.5	298	-	448	-	51.5	170	-	
134	70	84	128	128	100	128	51.5	51.5	298	-	448	-	51.5	103	-	
135	70	52	192	192	100	192	51.5	51.5	202	192	352	192	51.5	103	192	
136	70	68	160	288	304	288	51.5	51.5	154	288	304	288	51.5	103	288	
137	70	68	160	256	100	160	51.5	51.5	298	-	448	-	51.5	170	-	
138	70	100	96	96	120	96	47	47	298	-	448	-	47	central	-	
139	70	100	96	96	120	96	59	47	298	-	448	-	47	170	-	
140	70	68	160	160	100	160	47	47	298	-	448	-	47	170	-	
141	70	68	160	224	100	160	47	47	298	-	448	-	47	170	-	
142	70	84	128	128	100	128	47	47	298	-	448	-	47	94	-	
143	70	52	192	192	100	192	47	47	202	192	352	192	47	94	192	
144	70	68	160	288	304	288	47	47	154	288	304	288	47	94	288	
145	70	68	160	256	100	160	47	47	298	-	448	-	47	170	-	
146	70	52	192	192	100	192	45	45	202	192	352	192	45	90	192	
147	70	68	160	288	304	288	45	45	154	288	304	288	45	90	288	
148	70	68	160	256	100	160	45	45	298	-	448	-	45	170	-	
149	70	100	96	96	120	96	45	45	298	-	448	-	45	central	-	
150	70	68	160	160	100	160	45	45	298	-	448	-	45	170	-	
151	70	68	160	224	100	160	45	45	298	-	448	-	45	170	-	
152	70	84	128	128	100	128	45	45	298	-	448	-	45	90	-	
162	70	68	160	160	120	160	65	65	218	160	368	160	65	105	160	

HANDLE DRILLING PATTERNS

Note: 686mm & 786mm centres aluminium railing handles have a central hole (ie. 2 x 343mm & 2 x 393mm centres)

Drilling Pattern Number	DRILLING POSITIONS															
	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	
163	70	148	-	396 dr = 196 446 Dr = 246 496 Dr = 296 596 Dr = 396	100	-	65	65	298	-	448	-	65	105	-	
164	77	116	64	64	120	64	72	65	250	96	400	96	65	105	96	
165	70	116	64	64	120	64	72	65	250	96	400	96	65	115	96	
166	70	100	96	96	120	96	65	65	298	-	448	-	65	central	-	
167	70	100	96	96	120	96	77	65	298	-	448	-	45	170	-	
168	70	148	-	central knob	170	-	65	65	298	-	448	-	45	170	-	
169	70	68	160	160	100	160	65	65	298	-	448	-	65	170	-	
170	70	68	160	224	100	160	65	65	298	-	448	-	65	170	-	
171	70	84	128	128	100	128	65	65	298	-	448	-	65	105	-	
172	70	68	160	288	304	288	65	65	154	288	304	288	65	105	288	
173	70	68	160	256	100	160	65	65	298	-	448	-	65	170	-	
174	77	116	64	64	120	64	54.5	47.5	250	96	400	96	47.5	103	96	
175	70	148	-	396 dr = 196 446 Dr = 246 496 Dr = 296 596 Dr = 396	100	-	47.5	47.5	298	-	448	-	47.5	103	-	
176	70	100	96	96	120	96	47.5	47.5	298	-	448	-	47.5	central	-	
177	70	100	96	96	120	96	54	47.5	298	-	448	-	47.5	170	-	
178	70	148	-	central knob	170	-	47.5	47.5	298	-	448	-	47.5	170	-	
179	70	68	160	224	100	160	47.5	47.5	298	-	448	-	47.5	170	-	
180	70	148	-	central knob	170	-	47.5	47.5	298	-	448	-	47.5	170	-	
181	70	84	128	128	120	128	47.5	47.5	234	128	384	128	47.5	103	128	
182	70	68	160	256	100	160	47.5	47.5	298	-	448	-	47.5	170	-	
183	70	84	128	128	120	128	35	35	234	128	384	128	35	65	128	
184	70	55	186	396 Dr = 286 446 Dr = 336 496 Dr = 386 596 Dr = 486	55	-	35	35	55	486	55	786	35	70	450 Dr = 186 490 Dr = 186 572 Dr = 336 716 Dr = 386 896 Dr = 486 1065 Dr = 686 1201 Dr = 686 1245 Dr = 686	
185	70	148	-	396 Dr = 196 446 Dr = 246 496 Dr = 296 596 Dr = 396	100	-	35	35	298	-	448	-	35	70	-	
186	70	148	-	central knob	100	-	35	35	298	-	448	-	35	70	-	

HANDLE DRILLING PATTERNS

Note: 686mm & 786mm centres aluminium railing handles have a central hole (ie. 2 x 343mm & 2 x 393mm centres)
 ** 758mm centres aluminium bar handles have a central hole (ie. 2 x 379mm centres)

Drilling Pattern Number	DRILLING POSITIONS															
	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	
187	70	70	156	396 Dr = 256 446 Dr = 306 496 Dr = 356 596 Dr = 456	69	-	35	35	70	456	69	758*	35	70	450 Dr = 256 490 Dr = 256 572 Dr = 306 716 Dr = 356 896 Dr = 456 1065 Dr = 632 1201 Dr = 758* 1245 Dr = 758*	
188	70	70	156	156	120	156	35	35	220	156	370	156	35	70	156	
189	70	116	64	64	120	64	52	45	250	96	400	96	35	70	96	
190	70	100	96	96	120	96	57	45	298	-	448	-	35	170	-	
191	70	148	-	central knob	170	-	35	35	298	-	448	-	35	170	-	
192	70	68	160	396 Dr = 256 446 Dr = 256 496 Dr = 320 596 Dr = 448	80	256	35	35	170	256	320	256	35	70	450 Dr = 256 490 Dr = 256 572 Dr = 256 716 Dr = 320 896 Dr = 448 1065 Dr = 448 1201 Dr = 448 1245 Dr = 448	
193	70	52	192	192	100	192	35	35	202	192	352	192	35	70	192	
194	70	68	160	288	304	288	35	35	154	288	304	288	35	70	288	
195	70	84	128	128	100	128	47.5	47.5	298	-	448	-	47.5	170	-	
196	70	132	32	32	120	32	45	45	282	32	796 flap 382 896 flap 432	32	central knob 32mm crs	45	-	
197	70	84	128	256	120	128	42	42	170	256	796 flap 270 896 flap 320	256	42	70	256	
198	70	132	32	32	120	32	51	51	282	32	796 flap 382 896 flap 432	32	central knob 32mm crs	51	-	
199	70	84	128	256	120	128	51	51	170	256	796 flap 270 896 flap 320	256	51	103	256	
200	70	132	32	32	120	32	47	47	282	32	796 flap 382 896 flap 432	32	central knob 32mm crs	47	-	
201	70	84	128	256	120	128	47	47	170	256	796 flap 270 896 flap 320	256	47	94	256	
202	70	132	32	32	120	32	45	45	282	32	796 flap 382 896 flap 432	32	central knob 32mm crs	45	-	
203	70	84	128	256	120	128	45	45	170	256	796 flap 270 896 flap 320	256	45	90	256	
204	77	116	64	64	120	64	60	52	250	96	796 flap 350 896 flap 400	96	42	103	96	
205	70	148	-	396 Dr = 196 446 Dr = 246 496 Dr = 296 596 Dr = 396	100	-	52	52	298	-	central	-	42	103	-	
206	70	68	160	160	100	160	52	52	298	-	Central	-	42	170	-	
207	70	100	96	96	120	96	59	52	298	-	Central	-	42	170	-	
208	70	148	-	central knob	170	-	52	52	298	-	Central	-	42	170	-	