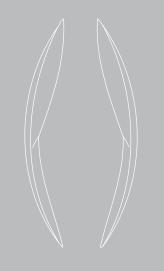
Door & Cabinet Pulls

CAST, TUBULAR & CONFIGURABLE





CONTENTS

door pulls	5
cast	7
Meridian [™]	
Lyra™	11
Folio [™]	11
Cadence [™]	12
Ara™	
Allegro™	16
Artisan™	
Solstice [™]	
Orion [™]	
Calypso [™]	
Trango [™]	
Wave [™]	25
tubular	
Round	
Comet [™]	
Rectangular	
configurable	
Sextant [™] 1200	
Sextant [™] 1500	
Compass [™] 800	
Compass [™] 1200	
Quadrant [™] 1000	
Quadrant [™] 1500	51
Modular	

cabinet pulls	57
Cadence [™]	
Luna™	59
Circuit™	60
Meridian [™]	61
Neoprene	
	63
Token™	64
Mesa [™]	
Sweep™	67

options & pricing	
-------------------	--

Push Plates & Indicator Discs	70
Materials & Finishes	71
Door Pull Overview & Ordering Guidelines	72
Mounting Options	73

system app	lications	 	 75

Doors & Door Pulls	. 76
Elevator Interiors & Handrails	. 78

©2010 Forms+Surfaces All dimensions are nominal. Specifications subject to change without notice.



door pulls

Forms+Surfaces door pulls have been enhancing interior and exterior entrances for more than forty years. The line reflects our commitment to putting people at the center of our vision and thoughtfully considering our designs and materials against the challenges they're intended to address. On the following pages you'll discover an unparalleled range of options—from sculptural profiles, to linear themes, to bold geometric forms—and a collection shaped by sophisticated designs, green materials, superior construction, and outstanding value.





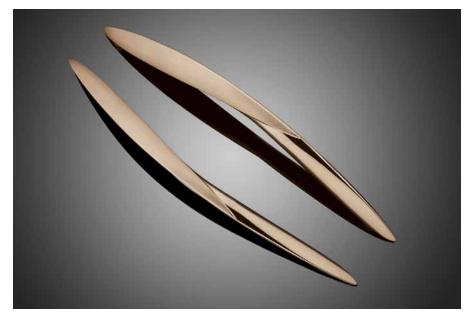
cast

Cast door pulls communicate an unmistakable message of quality and substance. Available in a variety of shapes and sizes, pulls are made of solid Stainless Steel, Bronze or Brass. Exquisitely detailed finishes add to the visual richness of each design.

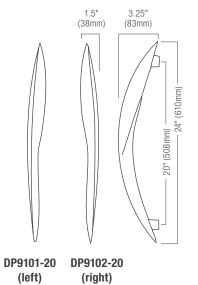
7 | FORMS+SURFACES

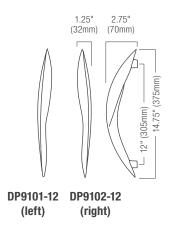


$\mathsf{MERIDIAN}^{^{\mathrm{TM}}}$

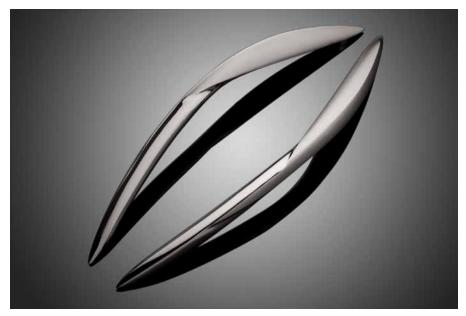


DP9101-20 & DP9102-20 shown in Bronze PSB

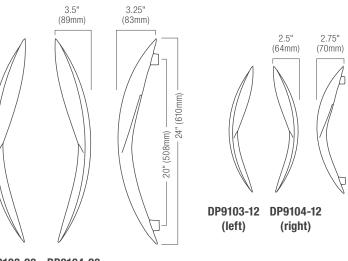




MATERIALS Stainless Steel: US32 (polished), US32D (satin), SSS (stippled), & FINISHES: PSS (polished and satin) Bronze: US9 (polished), US10 (satin), SBR (stippled), US10B (oil-rubbed), S10 (stippled oil-rubbed), PSB (polished and satin)	MOUNTING OPTIONS:Single mounted or mounted back-to-back on wood, metal or glass doors. Refer to Mounting Options B1, B2, B3, B4, B5, B6, B7 (page 73).	HOW TO SPECIFY: Provide model number, center to center (c.c.) dimension, quantity, metal and finish, mounting option, door material and thickness.
---	---	--



DP9103-20 & DP9104-20 shown in Stainless Steel PSS



- 12" (305mm) ______ 14.75" (375mm) -

DP9103-20 DP9104-20 (left) (right)

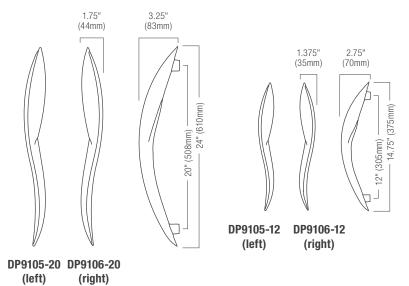
MATERIALSStainless Steel: US32 (polished), US32D (satin), SSS (stippled),& FINISHES:PSS (polished and satin)Bronze: US9 (polished), US10 (satin), SBR (stippled),US10B (oil-rubbed), S10 (stippled oil-rubbed), PSB (polished and satin)	MOUNTING Single mounted or mounted back-to-back on wood, oPTIONS: metal or glass doors. Refer to Mounting Options B1, B2, B3, B4, B5, B6, B7 (page 73).	HOW TO Provide model number, center to SPECIFY: center (c.c.) dimension, quantity, metal and finish, mounting option, door material and thickness.
--	---	--



MERIDIAN[™] continued



DP9105-20 & DP9106-20 shown in Bronze PSB



MATERIALS Stainless Steel: US32 (polished), US32D (satin), SSS (stippled), & FINISHES: PSS (polished and satin) Bronze: US9 (polished), US10 (satin), SBR (stippled), US10B (oil-rubbed), S10 (stippled oil-rubbed), PSB (polished and satin)	MOUNTING OPTIONS:Single mounted or mounted back-to-back on wood, metal or glass doors. Refer to Mounting Options B1, B2, B3, B4, B5, B6, B7 (page 73).	HOW TO SPECIFY: Provide model number, center to center (c.c.) dimension, quantity, metal and finish, mounting option, door material and thickness.
---	---	--





HDLYR5135 shown in Stainless Steel US32D

& FINISHES: Bronze: US10 (satin)

Brass: US4 (satin)

FOLIO

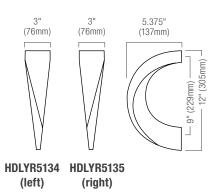


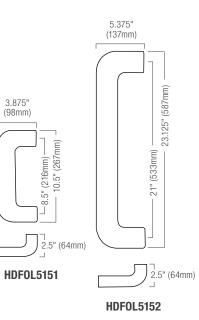
HDFOL5152 shown in Bronze US10

MOUNTING Single mounted on wood or metal doors.

OPTIONS: Back-to-back on wood, metal or glass doors. Refer

to Mounting Options C1, C2, C3, C4, C5 (page 73).





HOW TO Provide model number, quantity,

SPECIFY: metal and finish, mounting option,

door material and thickness.

MATERIALS Stainless Steel: US32 (polished), US32D (satin), SSS (stippled)

11 | FORMS+SURFACES



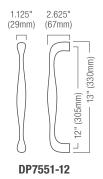
$\mathsf{CADENCE}^{{}^{\mathrm{\tiny TM}}}$



DP7551-12 shown in Bronze US10



DP7551-20 shown in Stainless Steel US32D



1.4375" (37mm) 3.1875" (81mm) - 20" (508mm) - 20" (540mm) - 21.25" (540mm) -DP7551-20

MATERIALS Stainless Steel: US32 (polished), US32D (satin), SSS (stippled) **MOUNTING** Single mounted or mounted back-to-back on wood, & FINISHES: Bronze: US9 (polished), US10 (satin), SBR (stippled), **OPTIONS:** metal or glass doors. Refer to Mounting Options B1, US10B (oil-rubbed), S10 (stippled oil-rubbed), WSB (combination B2, B3, B4, B5, B6, B7 (page 73). of wrought oil-rubbed & stippled oil-rubbed)

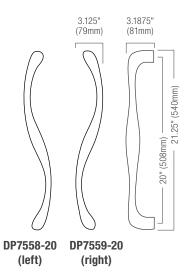
HOW TO Provide model number, center to SPECIFY: center (c.c.) dimension, quantity, metal and finish, mounting option, door material and thickness.

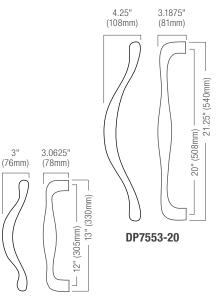


DP7559-20 shown in Stainless Steel US32D



DP7553-20 shown in Bronze US10B





DP7553-12

3"

MATERIALS Stainless Steel: US32 (polished), US32D (satin), SSS (stippled) & FINISHES: Bronze: US9 (polished), US10 (satin), SBR (stippled), US10B (oil-rubbed), S10 (stippled oil-rubbed), WSB (combination of wrought oil-rubbed & stippled oil-rubbed)

MOUNTING Single mounted or mounted back-to-back on wood, **OPTIONS:** metal or glass doors. Refer to Mounting Options B1, B2, B3, B4, B5, B6, B7 (page 73).

HOW TO Provide model number, center to SPECIFY: center (c.c.) dimension, quantity, metal and finish, mounting option, door material and thickness.



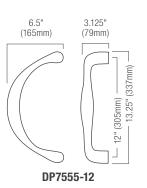
CADENCE[™] continued

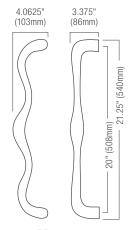


DP7555-12 shown in Stainless Steel US32



DP7552-20 shown in Bronze US10





DP7552-20

 MATERIALS
 Stainless Steel: US32 (polished), US32D (satin), SSS (stippled)

 & FINISHES:
 Bronze: US9 (polished), US10 (satin), SBR (stippled), US10B (oil-rubbed), S10 (stippled oil-rubbed), WSB (combination of wrought oil-rubbed & stippled oil-rubbed)
 MOUNTING Single mounted or mounted back-to-back on wood, metal or glass doors. Refer to Mounting Options B1, B2, B3, B4, B5, B6, B7 (page 73).

HOW TO Provide model number, center to SPECIFY: center (c.c.) dimension, quantity, metal and finish, mounting option, door material and thickness.



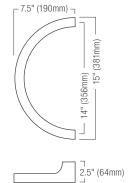


HDARA5131 shown in Stainless Steel US32



HDARA5132 shown in Brass US4





HDARA5132

MATERIALSStainless Steel: US32 (polished), US32D (satin), SSS (stippled)& FINISHES:Bronze: US10 (satin)Brass: US4 (satin)	MOUNTINGSingle mounted on wood or metal doors.OPTIONS:Back-to-back on wood, metal or glass doors. Refer to Mounting Options C1, C2, C3, C4, C5 (page 73).	HOW TO Provide model number, quantity, SPECIFY: metal and finish, mounting option, door material and thickness.
---	--	---



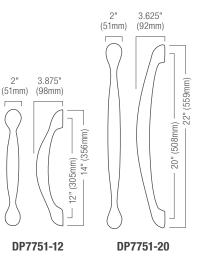
ALLEGRO

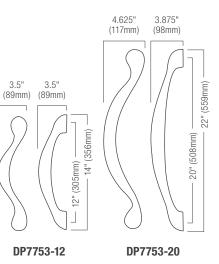


DP7751-20 shown in Bronze US10



DP7753-20 shown in Stainless Steel US32D





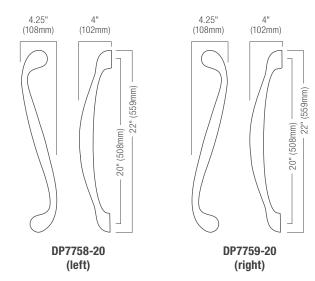
MATERIALS Stainless Steel: US32 (polished), US32D (satin), SSS (stippled)
 & FINISHES: Bronze: US9 (polished), US10 (satin), SBR (stippled), US10B (oil-rubbed), S10 (stippled oil-rubbed)

MOUNTING
OPTIONS:Single mounted or mounted back-to-back on wood,
metal or glass doors. Refer to Mounting Options
B1, B2, B3, B4, B5, B6, B7 (page 73).

HOW TO Provide model number, center to **SPECIFY:** center (c.c.) dimension, quantity, metal and finish, mounting option, door material and thickness.



DP7758-20 & DP7759-20 shown in Stainless Steel US32D



MATERIALSStainless Steel: US32 (polished), US32D (satin), SSS (stippled)& FINISHES:Bronze: US9 (polished), US10 (satin), SBR (stippled), US10B (oil-rubbed), S10 (stippled oil-rubbed)	MOUNTINGSingle mounted or mounted back-to-back on wood, metal or glass doors. Refer to Mounting Options B1, B2, B3, B4, B5, B6, B7 (page 73).	HOW TO SPECIFY: Provide model number, center to center (c.c.) dimension, quantity, metal and finish, mounting option,
	,,,,,, (door material and thickness.



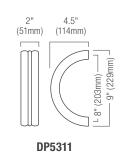
$\mathsf{ART}\mathsf{ISAN}^{{}^{\scriptscriptstyle\mathsf{TM}}}$

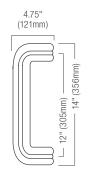


DP5311 shown in Bronze BZ1



DP5312 shown in Aluminum AL1





2.625" (67mm)

DP5312

MATERIALSBronze: BZ1 (hand-rubbed patina)& FINISHES:Brass: BR1 (hand-rubbed patina)Aluminum: AL1 (hand-rubbed patina)

MOUNTINGSingle mounted on wood or metal doors.OPTIONS:Back-to-back on wood, metal or glass doors. Refer
to Mounting Options C1, C2, C3, C4, C5 (page 73).

HOW TOProvide model number, quantity,SPECIFY:metal and finish, mounting option,
door material and thickness.

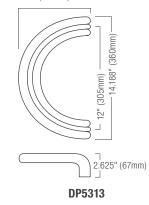


DP5313 shown in Brass BR1



DP5314 shown in Bronze BZ1

7.125" (181mm)







DP5314

MATERIALSBronze: BZ1 (hand-rubbed patina)& FINISHES:Brass: BR1 (hand-rubbed patina)Aluminum: AL1 (hand-rubbed patina)

MOUNTINGSingle mounted on wood or metal doors.OPTIONS:Back-to-back on wood, metal or glass doors. Refer
to Mounting Options C1, C2, C3, C4, C5 (page 73).

HOW TOProvide model number, quantity,SPECIFY:metal and finish, mounting option,
door material and thickness.



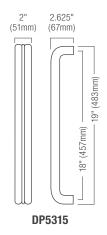
ARTISAN[™] continued

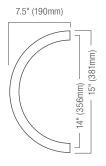


DP5315 shown in Bronze BZ1



DP5321 shown in Aluminum AL1







DP5321

MATERIALS Bronze: BZ1 (hand-rubbed patina) & FINISHES: Brass: BR1 (hand-rubbed patina) Aluminum: AL1 (hand-rubbed patina) MOUNTING
OPTIONS:Single mounted on wood or metal doors.Back-to-back on wood, metal or glass doors. Refer
to Mounting Options C1, C2, C3, C4, C5 (page 73).

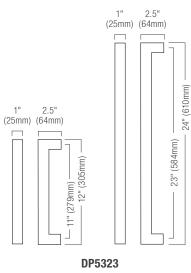
HOW TOProvide model number, quantity,SPECIFY:metal and finish, mounting option,
door material and thickness.



DP5323 shown in Brass BR1



DP5322 shown in Bronze BZ1



1.25" 2.75" (32mm) (70mm)

DP5322

MATERIALSBronze: BZ1 (hand-rubbed patina)& FINISHES:Brass: BR1 (hand-rubbed patina)Aluminum: AL1 (hand-rubbed patina)

MOUNTINGSingle mounted on wood or metal doors.OPTIONS:Back-to-back on wood, metal or glass doors. Refer
to Mounting Options C1, C2, C3, C4, C5 (page 73).

HOW TO Provide model number, center to SPECIFY: center (c.c.) dimension (DP5323), quantity, metal and finish, mounting option, door material and thickness.



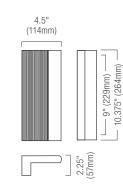
ARTISAN[™] continued

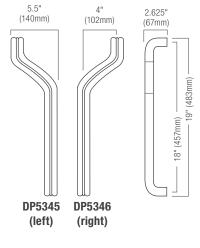


DP5324 shown in Brass BR1



DP5345 & DP5346 shown in Bronze BZ1





DP5324

MATERIALSBronze: BZ1 (hand-rubbed patina)& FINISHES:Brass: BR1 (hand-rubbed patina)Aluminum: AL1 (hand-rubbed patina)	OPTIONS:	Single mounted on wood or metal doors. Back-to-back on wood, metal or glass doors. Refer to Mounting Options C1, C2, C3, C4, C5 (page 73).	Provide model number, quantity, metal and finish, mounting option, door material and thickness.
		(0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0	

$\mathsf{SOLSTICE}^{^{\mathrm{TM}}}$

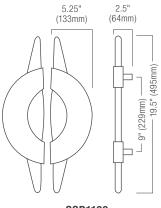


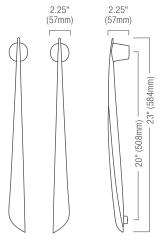
SOD1100 half moon shown in Stainless Steel US32 with vertical bar shown in Bronze US10B

$\mathsf{ORION}^{\mathsf{TM}}$



ORD1111-20 grip shown in Stainless Steel US32D with standoff shown in Bronze US9





0RD1111-20 0RD1122-20 (left) (right)

SOD1100

MATERIALS Stainless Steel: US32 (polished), US32D (satin), SSS (stippled) & FINISHES: Bronze: US9 (polished), US10 (satin), SBR (stippled), US10B (oil-rubbed) US10B (oil-rubbed) (Each element may be specified in any of the materials & finishes listed.)	MOUNTING Single mounted or mounted back-to-back on wood, OPTIONS: metal or glass doors. Refer to Mounting Options B1, B2, B3, B4, B5, B6, B7 (page 73).	HOW TO Provide model number, quantity, SPECIFY: metal and finish for each element, mounting option, door material and thickness.
--	---	---

CALYPSO

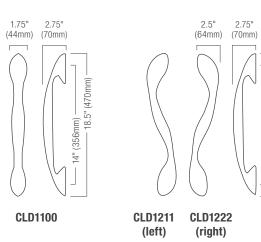


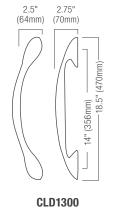
CLD1100 shown in Bronze US10





CLD1300 shown in Stainless Steel US32D





MATERIALS Stainless Steel: US32 (polished), US32D (satin), SSS (stippled), & FINISHES: PSS (polished and satin)	Single mounted on wood or metal doors. Back-to-back on wood, metal or glass doors.	Provide model number, quantity, metal and finish, mounting option,
Bronze: US9 (polished), US10 (satin), SBR (stippled), US10B (oil-rubbed), S10 (stippled oil-rubbed), PSB (polished and satin)	Refer to Mounting Options C1, C2, C3, C4, C5 (page 73).	door material and thickness.

$\mathsf{TRANGO}^{\mathsf{\tiny TM}}$

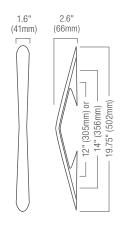


HDTRN1214 shown in Stainless Steel US32D

 $\mathsf{WAVE}^{\mathsf{\tiny TM}}$



WAD1833-08 shown in Aluminum 301



HDTRN1214

WAD 1833-26

7.75" (197mm)

Cross Section

 \square

D)

WAD 1833-08

3.5" (89mm)

30" (762mm)

26" (660mm)

MATERIALS HDTRN1214 Stainless Steel: US32 (polished), & FINISHES: US32D (satin), SSS (stippled) HDTRN1214 Bronze: US9 (polished), US10 (satin), SBR (stippled), US10B (oil-rubbed), S10 (stippled oil-rubbed)	WAD1833 Aluminum: 301 (Clear Polished), 302 (Clear Matte), 305 (Black Matte)	MOUNTING OPTIONS:	Single mounted on wood or metal doors. Back-to-back on wood, metal or glass doors. Refer to Mounting Options C1, C2, C3, C4, C5 (page 73).		Provide model number, center to center (c.c.) dimension, quantity, metal and finish, mounting option, door material and thickness.
---	---	----------------------	---	--	---





tubular

Tubular door pulls bring a clean, contemporary look to any entrance. Designed to complement without competing, pulls are available in round or rectangular profiles in a wide range of shapes and sizes. Material options include Stainless Steel, Bronze or Brass, each in a variety of finishes.

27 | FORMS+SURFACES

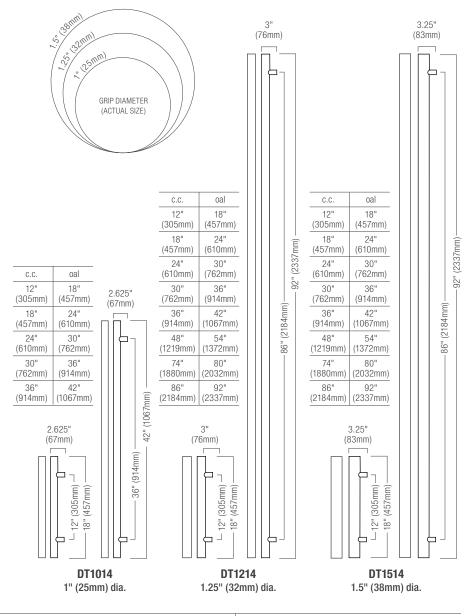
-

ROUND



DT1214 shown in Stainless Steel US32D

DT1214 & DT1514 are available as ADA compliant handrails in our CabForms[®] and LEVELe[™] elevator interiors. Please call or visit our website for more information on elevator handrail applications.



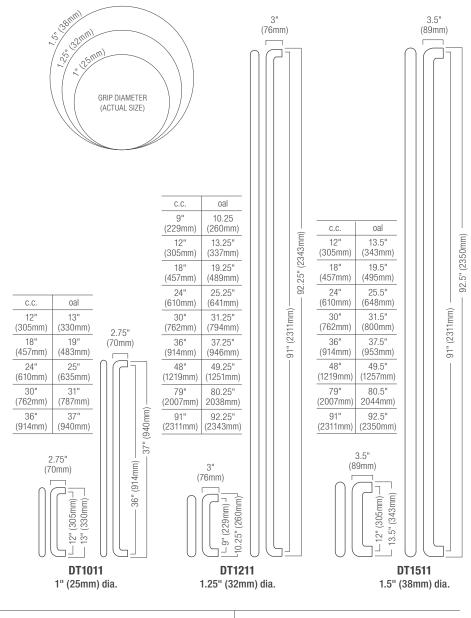
MATERIALSStainless Steel: US32 (polished), US32D (satin), SSS (stippled)
Bronze: US9 (polished), US10 (satin), US10B (oil-rubbed)
Brass: US3 (polished), US4 (satin)
Engraved lettering with black infill available.MOUNTING
OPTIONS:May be single mounted or mounted back-to-back
on wood, metal or glass doors. Refer to Mounting
Options B1, B2, B3, B4, B5, B6, B7 (page 73).Here

HOW TO Provide model number, center to SPECIFY: center (c.c.) dimension, quantity, metal and finish, mounting option, door material and thickness.



DT1211 shown in Bronze US10B

DT1211 & DT1511 are available as ADA compliant handrails in our CabForms[®] and LEVELe[™] elevator interiors. Please call or visit our website for more information on elevator handrail applications.



 MATERIALS
 Stainless Steel: US32 (polished), US32D (satin), SSS (stippled)

 & FINISHES:
 Bronze: US9 (polished), US10 (satin), US10B (oil-rubbed)

 Brass:
 US3 (polished), US4 (satin)

 Engraved lettering with black infill available.

MOUNTING May be single mounted or mounted back-to-back on wood, metal or glass doors. Refer to Mounting Options B1, B2, B3, B4, B5, B6, B7 (page 73).

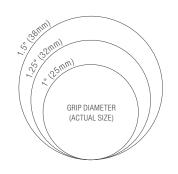
HOW TO Provide model number, center to SPECIFY: center (c.c.) dimension, quantity, metal and finish, mounting option, door material and thickness.



ROUND continued



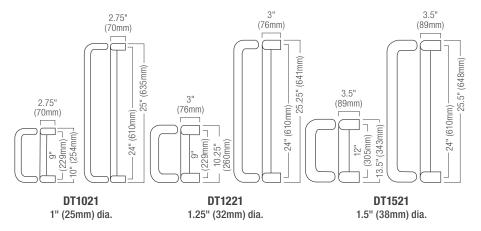
DT1221 shown in Brass US4



9" 10" (229mm) (254mm) 12" 13" (305mm) (330mm) 18" 19" (457mm) (483mm)
(305mm) (330mm) 18" 19"
10 10
(43711111) (46311111)
24" 25" (610mm) (635mm)

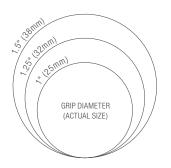
C.C.	oal
9"	10.25"
(229mm)	(260mm)
12"	13.25"
(305mm)	(337mm)
18"	19.25"
(457mm)	(489mm)
24"	25.25"
(610mm)	(641mm)

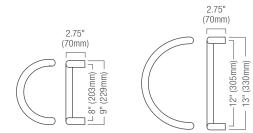
C.C.	oal
12"	13.5"
(305mm)	(343mm)
18"	19.5"
(457mm)	(495mm)
24"	25.5"
(610mm)	(648mm)



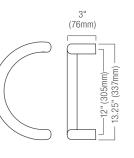


DT1231 shown in Bronze US10B

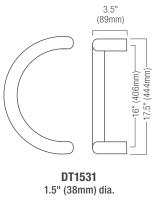








DT1231 1.25" (32mm) dia.



MATERIALS
& FINISHES:Stainless Steel: US32 (polished), US32D (satin), SSS (stippled)
Bronze: US9 (polished), US10 (satin), US10B (oil-rubbed)
Brass: US3 (polished), US4 (satin)
Engraved lettering with black infill available.MOUNTING
OPTIONS:May be single mounted or mounted back-to-back
on wood, metal or glass doors. Refer to Mounting
Options B1, B2, B3, B4, B5, B6, B7 (page 73).HOW TO
SPECIFY:Pr
C
C
OPTIONS:

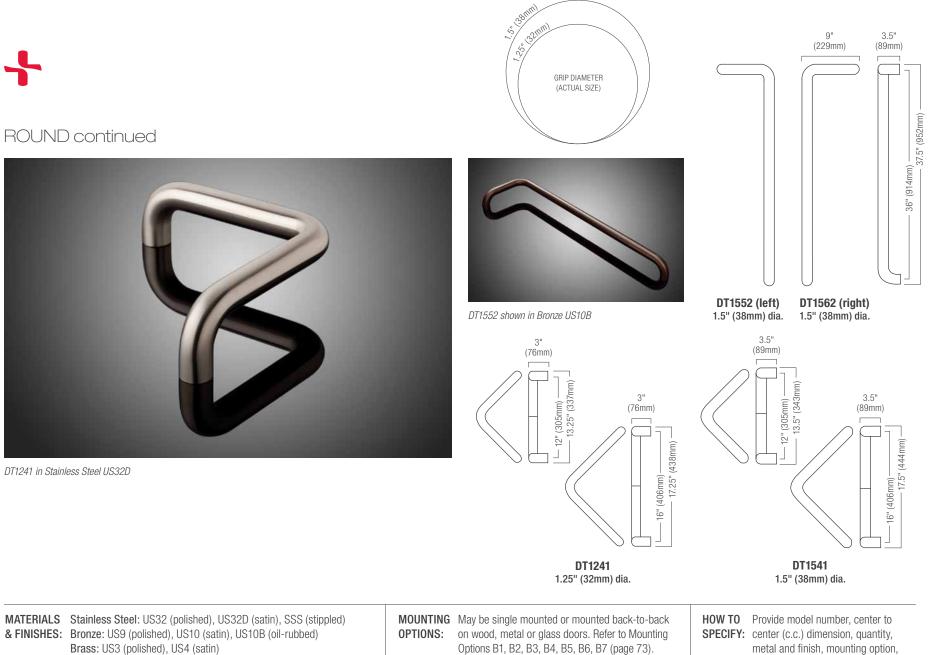
HOW TOProvide model number, center toSPECIFY:center (c.c.) dimension, quantity,
metal and finish, mounting option,
door material and thickness.



ROUND continued



DT1241 in Stainless Steel US32D



door material and thickness.

& FINISHES: Bronze: US9 (polished), US10 (satin), US10B (oil-rubbed)

Engraved lettering with black infill available.

Brass: US3 (polished), US4 (satin)

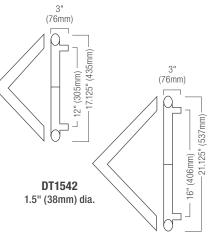


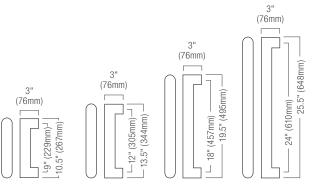
DT1512 shown in Stainless Steel US32D





DT1542 shown in Bronze US10B





DT1512 1.5" (38mm) dia.

 MATERIALS
 Stainless Steel: US32 (polished), US32D (satin), SSS (stippled)

 & FINISHES:
 Bronze: US9 (polished), US10 (satin), US10B (oil-rubbed)

 Brass:
 US3 (polished), US4 (satin)

 Engraved lettering with black infill available.

MOUNTING May be single mounted or mounted back-to-back on wood, metal or glass doors. Refer to Mounting Options B1, B2, B3, B4, B5, B6, B7 (page 73).

HOW TOProvide model number, center toSPECIFY:center (c.c.) dimension, quantity,
metal and finish, mounting option,
door material and thickness.

-

ROUND continued



DT0631 in Stainless Steel US32D





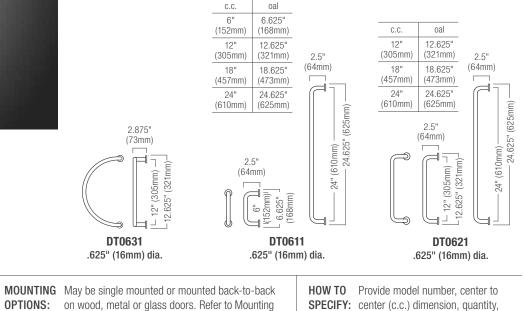


metal and finish, mounting option, door material and thickness.

DT0611 in Stainless Steel US32D

Options A1, A2, A3, A4, A5, A6 (page 73).

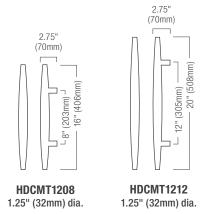
DT0621 in Stainless Steel US32D







GRIP DIAMETER AT WIDEST POINT (ACTUAL SIZE)

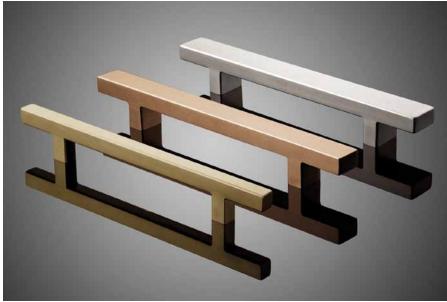


HDCMT1212 shown in Stainless Steel US32D

MATERIALSStainless Steel: US32 (polished), US32D (satin), SSS (stippled)& FINISHES:Bronze: US9 (polished), US10 (satin), US10B (oil-rubbed)Brass: US3 (polished), US4 (satin)	MOUNTING May be single mounted or mounted back-to-back on wood, metal or glass doors. Refer to Mounting Options B1, B2, B3, B4, B5, B6, B7 (page 73).	HOW TOProvide model number, center toSPECIFY:center (c.c.) dimension, quantity, metal and finish, mounting option, door material and thickness.
---	--	---

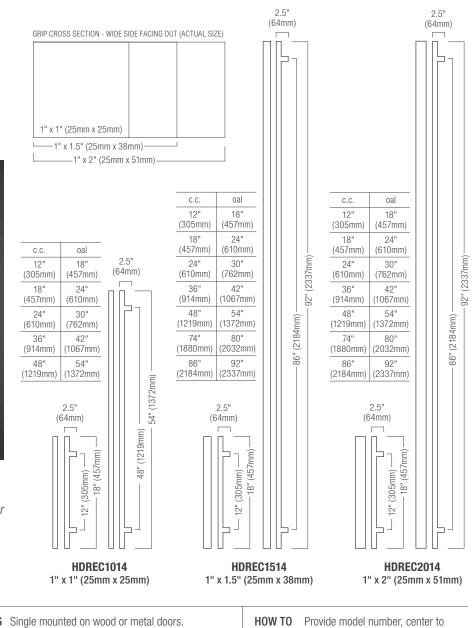
-

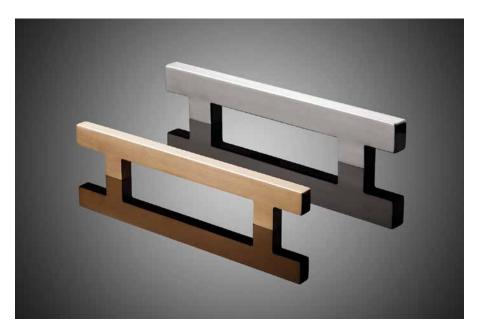
RECTANGULAR



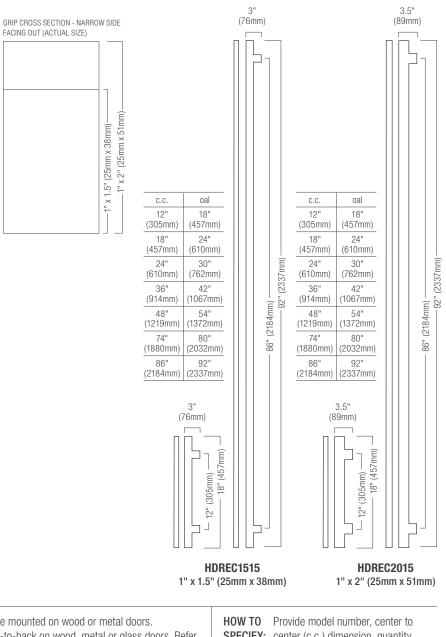
HDREC1014 shown in Brass US4, HDREC1514 shown in Bronze US10, HDREC2014 shown in Stainless Steel US32D

HDREC2014 is available as an ADA compliant handrail in our CabForms[®] and LEVELe[™] elevator interiors. Please call or visit our website for more information on elevator handrail applications.





HDREC1515 shown in Bronze US10, HDREC2015 shown in Stainless Steel US32D



MATERIALS Stainless Steel: US32 (polished), US32D (satin), SSS (stippled) & FINISHES: Bronze: US9 (polished), US10 (satin), US10B (oil-rubbed) Brass: US3 (polished), US4 (satin) MOUNTING
OPTIONS:Single mounted on wood or metal doors.Back-to-back on wood, metal or glass doors. Refer
to Mounting Options C1, C2, C3, C4, C5 (page 73).

HOW TO Provide model number, center to SPECIFY: center (c.c.) dimension, quantity, metal and finish, mounting option, door material and thickness.

RECTANGULAR continued

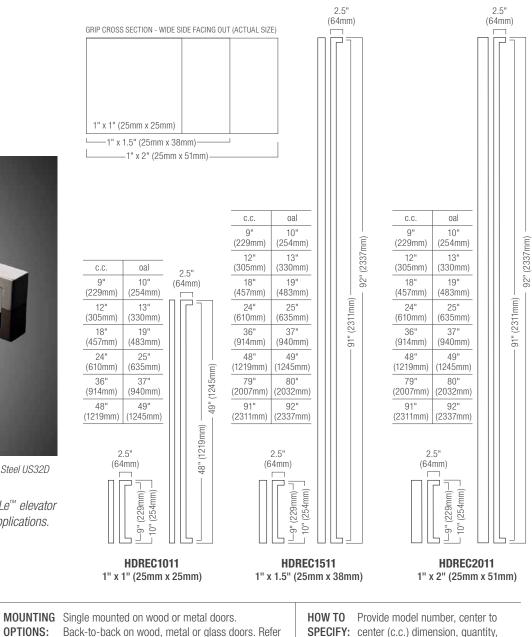


HDREC1011 shown in Brass US4, HDREC1511 shown in Bronze US10, HDREC2011 shown in Stainless Steel US32D

HDREC2011 is available as an ADA compliant handrail in our CabForms[®] and LEVELe[™] elevator interiors. Please call or visit our website for more information on elevator handrail applications.

MATERIALS Stainless Steel: US32 (polished), US32D (satin), SSS (stippled) & FINISHES: Bronze: US9 (polished), US10 (satin), US10B (oil-rubbed)

Brass: US3 (polished), US4 (satin)

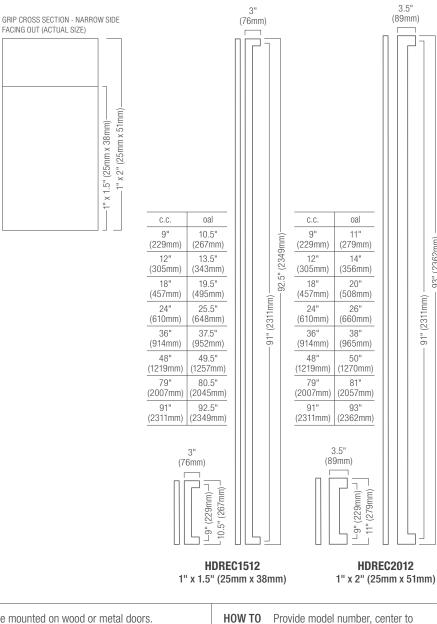


metal and finish, mounting option, door material and thickness.

to Mounting Options C1, C2, C3, C4, C5 (page 73).



HDREC1512 shown in Bronze US10. HDREC2012 shown in Stainless Steel US32D



93" (2362mm)

MATERIALS Stainless Steel: US32 (polished), US32D (satin), SSS (stippled) & FINISHES: Bronze: US9 (polished), US10 (satin), US10B (oil-rubbed) Brass: US3 (polished), US4 (satin)

MOUNTING Single mounted on wood or metal doors. OPTIONS: Back-to-back on wood, metal or glass doors. Refer to Mounting Options C1, C2, C3, C4, C5 (page 73).

39 | FORMS+SURFACES

SPECIFY: center (c.c.) dimension, quantity,

metal and finish, mounting option, door material and thickness.

RECTANGULAR continued



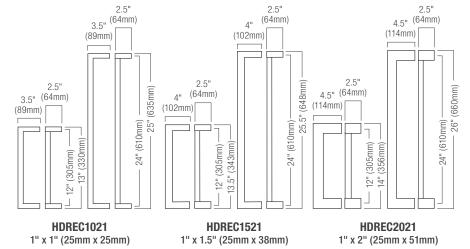
HDREC1521 shown in Stainless Steel US32D

GRIP CROSS SECTION - WIDE SIDE FACING OUT (ACTUAL SIZE)



_____1" x 2" (25mm x 51mm)_____

C.C.	oal	C.C.	oal	C.C.	oal
12" (305mm)	13" (330mm)	12" (305mm)	13.5" (343mm)	12" (305mm)	14" (356mm)
18" (457mm)	19" (483mm)	18" (457mm)	19.5" (495mm)	18" (457mm)	20" (508mm)
24" (610mm)	25" (635mm)	24" (610mm)	25.5" (648mm)	24" (610mm)	26" (660mm)



 MATERIALS Stainless Steel: US32 (polished), US32D (satin), SSS (stippled) & FINISHES: Bronze: US9 (polished), US10 (satin), US10B (oil-rubbed) Brass: US3 (polished), US4 (satin) 	MOUNTINGSingle mounted on wood or metalOPTIONS:Back-to-back on wood, metal or glto Mounting Options C1, C2, C3, C4	ass doors. Refer SPECIFY: center (c.c.) dimension, quantity,
---	--	--



HDREC2041 shown in Bronze US10

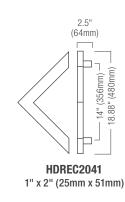
GRIP CROSS SECTION - WIDE SIDE FACING OUT (ACTUAL SIZE)

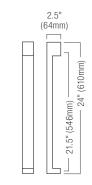


└──── 1" x 2" (25mm x 51mm) ───



HDREC2000L shown in Stainless Steel US32D





HDREC2000L 1" x 2" (25mm x 51mm)

Ν	HDREC2000L-BON

HDREC2000L-AON Single-mounted pull; no deadlock.

Back-to-back mounted pulls; no deadlock.



HDREC2000L-A2N Single-mounted pull; double cylinder deadlock. HDREC2000L-B2N Back-to-back mounted pulls; double cylinder deadlock.

୍ତ



HDREC2000L-A3N Single-mounted pull; single cylinder deadlock keyed exterior; thumb turn interior.

HDREC2000L-B3N Back-to-back mounted pulls; single cylinder deadlock keyed exterior; thumb turn interior.

:0

MATERIALS Stainless Steel: US32 (polished), US32D (satin), SSS (stippled) & FINISHES: Bronze: US9 (polished), US10 (satin), US10B (oil-rubbed) Brass: US3 (polished), US4 (satin)	MOUNTING OPTIONS:HDREC2041: Single mounted or mounted back-to-back on wood, metal or glass doors. Refer to Mounting Options B1, B2, B3, B4, B5, B6, B7 (page 73). HDREC2000L: Single mounted on wood or metal doors. Back-to-back on wood, metal or glass doors. Refer to Mounting Options C1, C2, C3, C4, C5 (page 73).	e
---	--	----------



configurable

Configurable door pulls make it easy to create a custom look at a standard price. Based on an innovative kit-of-parts format, the group offers tremendous design flexibility. Distinctive shapes and configuration options, variable customer-defined sizing, and the ability to mix metals and finishes on a single pull add up to a collection that's ideal for new construction, retrofits, or settings where multiple materials are present.

SEXTANT™ 1200



SXT910311 grip shown in Stainless Steel SSS with SXT910321 Column finials shown in Stainless Steel US32D

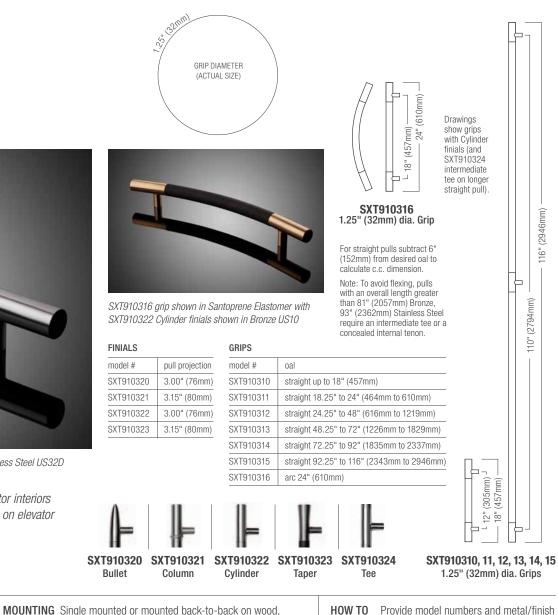
Available as ADA compliant handrails in our CabForms[®] and LEVELe[™] elevator interiors (excluding SXT910316). Please call or visit our website for more information on elevator handrail applications.

MATERIALS Stainless Steel: US32 (polished), US32D (satin), SSS (stippled)

Santoprene® Elastomer (grips only): BLACK

US10B (oil-rubbed – finials and intermediate tees only)

& FINISHES: Bronze: US9 (polished), US10 (satin), SBR (stippled),



SPECIFY: for both grips and finials; quantities; pull oal or c.c.; mounting option; door material and thickness.

Overall length and c.c. dimensions are variable and defined by the customer. Pull OAL = length of grip + length of finials; c.c. = spacing between finial standoffs. Finials are attached to grips at F+S factory.

OPTIONS: metal or glass doors. Refer to Mounting Options B1,

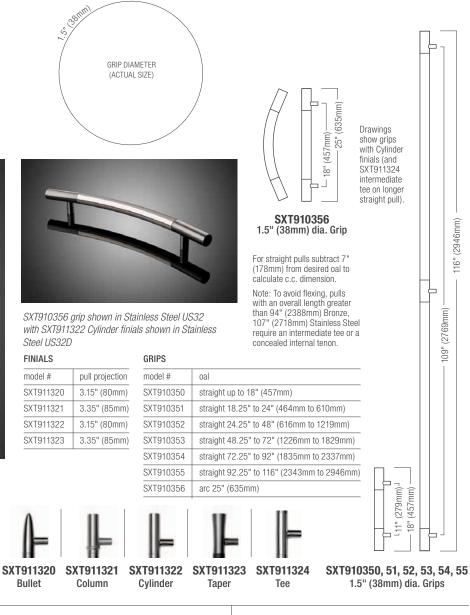
B2, B3, B4, B5, B6, B7 (page 73).

SEXTANT™ 1500



SXT910351 grip shown in Santoprene Elastomer with SXT911322 Cylinder finials shown in Bronze US10B

Available as ADA compliant handrails in our CabForms[®] and LEVELe[™] elevator interiors (excluding SXT910356). Please call or visit our website for more information on elevator handrail applications.



 MATERIALS
 Stainless Steel: US32 (polished), US32D (satin), SSS (stippled)

 & FINISHES:
 Bronze: US9 (polished), US10 (satin), SBR (stippled), US10B (oil-rubbed – finials and intermediate tees only) Santoprene® Elastomer (grips only): BLACK

MOUNTINGSingle mounted or mounted back-to-back on wood,OPTIONS:metal or glass doors. Refer to Mounting Options B1,
B2, B3, B4, B5, B6, B7 (page 73).

HOW TO Provide model numbers and metal/finish SPECIFY: for both grips and finials; quantities; pull oal or c.c.; mounting option; door material and thickness.

 $\label{eq:overall length and c.c. dimensions are variable and defined by the customer. Pull OAL = length of grip + length of finials; c.c. = spacing between finial standoffs. Finials are attached to grips at F+S factory.$

COMPASS[™]800



920002 grip shown in Stainless Steel US32 with 920014 Cylinder standoffs shown in Stainless Steel US32D

. ₁)	mm)	
.875 "	GRIP DIAMETER	
	(ACTUAL SIZE)	
	< /	/

STANDOFFS		FLAT-END	GRIPS	
model #	pull projection	model #	oal	
920013	2.625" (67mm)	920001	straight up to 14.75" (375mm)	
920014	2.625" (67mm)	920002	straight 15" to 34.75" (381mm to 883mm)	
920010	2.625" (67mm)	920003	straight 35" to 64.75" (889mm to 1645mm)	
920011	2.625" (67mm)	920046	straight 65" to 92" (1651mm to 2337mm)	
920012	2.625" (67mm)		•	
		ROUND-END GRIPS (OPPOSITE PAGE)		
	loffs should be spaced an than 30" (762mm)	model #	oal	
c.c. Longer	lengths will require	920004	straight 14.75" (375mm)	
intermediat	e standoffs.	920005	semi-circle 10.875" (276mm)	
		920006	arc 14.25" (362mm)	



920012 Clamshell

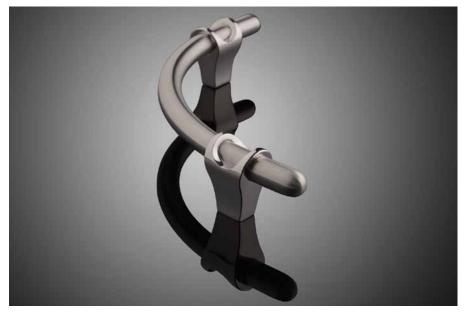
920001, 02, 03, 46 .875" (22mm) dia. Grips

14.75" (375mm)-

92" (2337mm) -

MATERIALS Stainless Steel (grips & standoffs): US32 (polished), & FINISHES: US32D (satin), SSS (stippled) Bronze (standoffs only): US9 (polished), US10 (satin), US10B (oil-rubbed), SBR (stippled), S10 (stippled oil-rubbed)	MOUNTING OPTIONS:	Single mounted on wood or metal doors. Back-to-back on wood, metal or glass doors. Refer to Mounting Options C1, C2, C3, C4, C5 (page 73).	SPECIFY:	Provide model numbers and metal/finish for both grips and standoffs; quantities; pull length; mounting option; door material and thickness.
--	----------------------	--	----------	--

 $\label{eq:constraint} \begin{aligned} & \text{Overall length and c.c. dimensions are variable. Customer defines grip length, as well as c.c. spacing of standoffs on the grip. \\ & \text{Pull OAL} = \text{grip length; c.c.} = \text{spacing of standoffs on the grip. Standoffs are positioned on grips in the field by the customer.} \end{aligned}$



920006 grip shown in Stainless Steel US32D with 920011 Double Ring standoffs shown in Stainless Steel US32

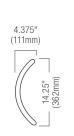






920005 grip shown in Stainless Steel US32D with 920014 Cylinder standoffs shown in Bronze US9

920004 grip shown in Stainless Steel US32D with 920013 Bullet standoffs shown in Bronze US9



920006 .875" (22mm) dia. Grip



920004 .875" (22mm) dia. Grip

MATERIALSStainless Steel (grips & standoffs): US32 (polished),& FINISHES:US32D (satin), SSS (stippled)Bronze (standoffs only): US9 (polished), US10 (satin),US10B (oil-rubbed), SBR (stippled), S10 (stippled oil-rubbed)	MOUNTINGSingle mounted on wood or metal doors.OPTIONS:Back-to-back on wood, metal or glass doors. Refer to Mounting Options C1, C2, C3, C4, C5 (page 73).	HOW TOProvide model numbers and metal/finishSPECIFY:for both grips and standoffs; quantities; pull length; mounting option; door material and thickness.
---	--	--

 $\label{eq:overall length} Overall length and c.c. dimensions are variable. Customer defines grip length, as well as c.c. spacing of standoffs on the grip. \\ Pull OAL = grip length; c.c. = spacing of standoffs on the grip. Standoffs are positioned on grips in the field by the customer. \\ \end{array}$

7.75" (97mm)

> 10.87 (276m

920005

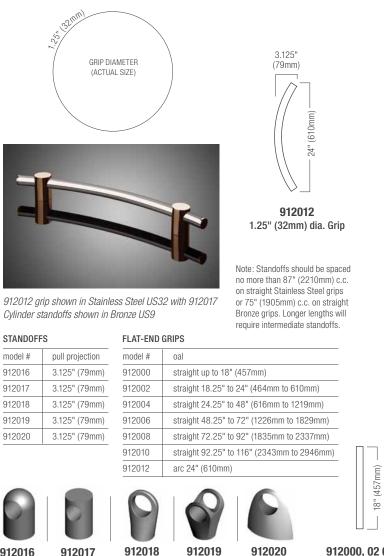
.875" (22mm) dia. Grip

COMPASS[™] 1200



912002 grip shown in Santoprene Elastomer with 912019 Double Ring standoffs shown in Stainless Steel US32

Available as ADA compliant handrails in our CabForms[®] and LEVELe[™] elevator interiors (exluding 912012). Please call or visit our website for more information on elevator handrail applications.



912016 912017 Bullet Cylinder 912019 9 Double Ring C

Ring

912020 91200 Clamshell 1.25th

912000, 02 04, 06, 08, 10 1.25" (32mm) dia. Grips

116" (2946mm)

MATERIALS Stainless Steel: US32 (polished), US32D (satin), SSS (stippled) & FINISHES: Bronze: US9 (polished), US10 (satin), US10B (oil-rubbed), SBR (stippled), S10 (stippled oil-rubbed) Set Stippled), S10 (stippled oil-rubbed)	MOUNTING Single mounted or mounted back-to-back on wood, metal or glass doors (Clamshell cannot single mount on glass). Refer to Mounting Options B1, B2, B3, B4, B5, B6, B7 or	HOW TO Provide model numbers and metal/finish SPECIFY: for both grips and standoffs; quantities; pull length; mounting option; door
Santoprene [®] Elastomer (grips only): BLACK	(for Clamshell only) C1, C2, C3, C4, C5 (page 73).	material and thickness.

 $\label{eq:constraint} Overall length and c.c. dimensions are variable. Customer defines grip length, as well as c.c. spacing of standoffs on the grip. \\ Pull OAL = grip length; c.c. = spacing of standoffs on the grip. Standoffs are positioned on grips in the field by the customer. \\ \end{array}$



912003 grip shown in Stainless Steel US32D with 912018 Ring standoffs shown in Stainless Steel US32

3.125" (79mm) GRIP DIAMETER (ACTUAL SIZE) 24" (610mm) 912013 1.25" (32mm) dia. Grip Note: Standoffs should be spaced no more than 87" (2210mm) c.c. on straight Stainless Steel grips or 75" (1905mm) c.c. on straight Bronze grips. Longer lengths 912013 grip shown in Stainless Steel US32 with 912016 will require intermediate Bullet standoffs shown in Bronze US9 standoffs. STANDOFFS ROUND-END GRIPS model # model # pull projection oal 912016 3.125" (79mm) 912001 straight up to 18" (457mm) 912017 3.125" (79mm) 912003 straight 18.25" to 24" (464mm to 610mm) 912018 3.125" (79mm) 912005 straight 24.25" to 48" (616mm to 1219mm) 912019 3.125" (79mm) 912007 straight 48.25" to 72" (1226mm to 1829mm) 912020 3.125" (79mm) 912009 straight 72.25" to 92" (1835mm to 2337mm) 912011 straight 92.25" to 116" (2343mm to 2946mm) 912013 arc 24" (610mm)



Cylinder



912018

Ring



912020

Clamshell



912001, 03 05, 07, 09, 11 1.25" (32mm) dia. Grips

18" (457mm)

116" (2946mm)

MATERIALS	Stainless Steel: US32 (polished), US32D (satin), SSS (stippled)	MOU
& FINISHES:	Bronze: US9 (polished), US10 (satin), US10B (oil-rubbed),	0PT
	SBR (stippled), S10 (stippled oil-rubbed)	

Single mounted or mounted back-to-back on wood, metal or glass doors (Clamshell cannot single mount on glass).
 Refer to Mounting Options B1, B2, B3, B4, B5, B6, B7 or (for Clamshell only) C1, C2, C3, C4, C5 (page 73).

Bullet

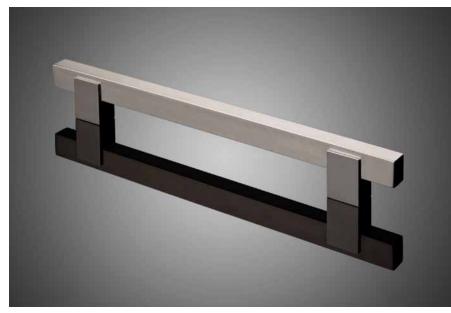
HOW TOProvide model numbers and metal/finishSPECIFY:for both grips and standoffs; quantities;
pull length; mounting option; door
material and thickness.

Overall length and c.c. dimensions are variable. Customer defines grip length, as well as c.c. spacing of standoffs on the grip. Pull OAL = grip length; c.c. = spacing of standoffs on the grip. Standoffs are positioned on grips in the field by the customer.

912019

Double Ring

QUADRANT™ 1000



HDQUA002 grip shown in Stainless Steel US32D with HDQUA010 Vise standoffs shown in Stainless Steel US32

Available as ADA compliant handrails in our CabForms[®] and LEVELe[™] elevator interiors (excluding HDQUA007). Please call or visit our website for more information on elevator handrail applications.



HDQUA007 grip shown in Bronze US10 with HDQUA008 Block standoffs shown in Bronze US9

			1" x 2" (25mm x 51mm) Grip	
STANDOFFS		GRIPS	, , , , , , , , , , , , , , , , , , ,	·
model #	pull projection	grip model #	oal	_
HDQUA008	3.14" (80mm)	HDQUA001	straight up to 18" (457mm)	_
HDQUA009	3.14" (80mm)	HDQUA002	straight 18.25" to 24" (464mm to 610mm)	_
HDQUA010	3.14" (80mm)	HDQUA003	straight 24.25" to 48" (616mm to 1219mm)	_
		HDQUA004	straight 48.25" to 72" (1226mm to 1829mm)
Grips are the same for 1000		HDQUA005	straight 72.25" to 92" (1835mm to 2337mm)	
and 1500 Serie determine door		HDQUA006	straight 92.25" to 116" (2343mm to 2946mm)	
		HDQUA007	Arc 24" (610mm)	_
			Note: To avoid flexing, Standoffs should be spaced no more than 87" (2210mm) c.c. on straight Stainless Steel grips or 75" (1905mm) c.c. on straight Bronze grips.	
HDQUA008 Block	HDQUA009 Clamp	HDQUA010 Vise	Longer lengths will require HDQU	A001, 2" (25)



1" x 2" (25mm x 51mm) GRIP CROSS SECTION - NARROW SIDE FACING OUT (ACTUAL SIZE)

24" (610mm)

HDQUA007

02, 03, 04, 05, 06 1" x 2" (25mm x 51mm) Grips

116" (2946mm)

MATERIALS Stainless Steel: US32 (polished), US32D (satin), SSS (stippled) & FINISHES: Bronze: US9 (polished), US10 (satin), US10B (oil-rubbed), SBR (stippled), S10 (stippled oil-rubbed) Santoprene® Elastomer (grips only): BLACK

MOUNTING Single mounted on wood or metal doors. OPTIONS: Back-to-back on wood, metal or glass doors. Refer to Mounting Options C1, C2, C3, C4, C5 (page 73).

HOW TO Provide model numbers and metal/finish **SPECIFY:** for both grips and standoffs; quantities; pull oal and c.c.; mounting option; door material and thickness.

Overall length and c.c. dimensions are variable. Customer defines grip length, as well as c.c. spacing of standoffs on the grip. Pull OAL = grip length; c.c. = spacing of standoffs on the grip. Standoffs are attached to grips at F+S factory.

1" x 2" (25mm x 51mm)

GRIP CROSS SECTION - WIDE SIDE FACING OUT (ACTUAL SIZE)

QUADRANT[™] 1500



HDQUA002 grip shown in Stainless Steel US32D with HDQUA013 Vise standoffs shown in Stainless Steel US32

Available as ADA compliant handrails in our CabForms[®] and LEVELe[™] elevator interiors (excluding HDQUA007). Please call or visit our website for more information on elevator handrail applications.



HDQUA007 grip shown in Bronze US10 with HDQUA012 Clamp standoffs shown in Stainless Steel US32D

STANDOFFS	GRIPS	
model #	pull projection	grip model #
HDQUA011	2.64" (67mm)	HDQUA001
HDQUA012	2.64" (67mm)	HDQUA002
HDQUA013	2.64" (67mm)	HDQUA003
-		HDQUA004
Grips are the s and 1500 Serie	HDQUA005	
determine door		HDQUA006



HDOUA011 HDOUA012 HDOUA013 Block Clamp

Note: To avoid flexing, Standoffs should be spaced no more than 87" (2210mm) c.c. on straight Stainless Steel grips or 75" (1905mm) c.c. on straight Bronze grips. Longer lengths will require intermediate standoffs.

straight 24.25" to 48" (616mm to 1219mm) straight 48.25" to 72" (1226mm to 1829mm) straight 72.25" to 92" (1835mm to 2337mm) straight 92.25" to 116" (2343mm to 2946mm) 18" (457mm)

24" (610mm)

HDQUA007 1" x 2" (25mm x 51mm) Grip

HDQUA001, 02, 03, 04, 05, 06 1" x 2" (25mm x 51mm) Grips

116" (2946mm)

MATERIALS Stainless Steel: US32 (polished), US32D (satin), SSS (stippled) & FINISHES: Bronze: US9 (polished), US10 (satin), US10B (oil-rubbed), SBR (stippled), S10 (stippled oil-rubbed) Santoprene® Elastomer (grips only): BLACK

MOUNTING Single mounted on wood or metal doors. OPTIONS: Back-to-back on wood, metal or glass doors. Refer to Mounting Options C1, C2, C3, C4, C5 (page 73).

HOW TO Provide model numbers and metal/finish **SPECIFY:** for both grips and standoffs; guantities; pull oal and c.c.; mounting option; door material and thickness.

Overall length and c.c. dimensions are variable. Customer defines grip length, as well as c.c. spacing of standoffs on the grip. Pull OAL = grip length; c.c. = spacing of standoffs on the grip. Standoffs are attached to grips at F+S factory.

oal

HDQUA007

Vise

straight up to 18" (457mm)

Arc 24" (610mm)

straight 18.25" to 24" (464mm to 610mm)



MODULAR

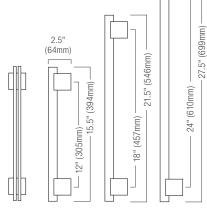


DP6123 with grip shown in Stainless Steel US32D and standoffs shown in Stainless Steel US32

DP6121 is available as an ADA compliant handrail in our CabForms[®] and LEVELe[™] elevator interiors. Please call or visit our website for more information on elevator handrail applications.



DP6121 with grip shown in Brass US3 and standoffs shown in Black Anodized Aluminum



2.875"

(73mm)

12" (305mm) _____ 17" (432mm)

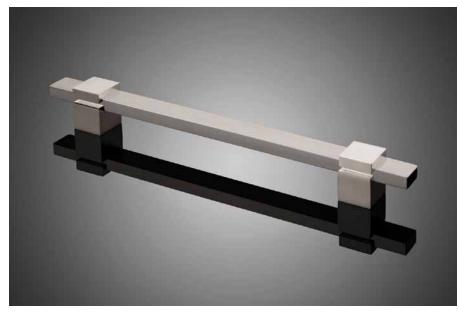
DP6121

23" (584mm)

18" (457mm)

DP6123

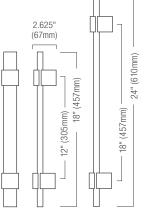
& FINISHES:	Stainless Steel (grips & DP6123 standoffs): US32 (polished), US32D (satin) Brass (grips & DP6123 standoffs): US3 (polished), US4 (satin) Anodized Aluminum (DP6121 standoffs): Clear, Black	Single mounted on wood or metal doors. Back-to-back on wood, metal or glass doors. Refer to Mounting Options C1, C2, C3, C4, C5 (page 73).	SPECIFY:	Provide model number, center to center (c.c.) dimension, quantity, standoff and grip metals and finishes, mounting option, door material and thickness.
		Mounting Options C1, C2, C3, C4, C5 (page 73).		0 1



DP6112 with grip shown in Stainless Steel US32D and standoffs shown in Stainless Steel US32



DP6912 with grip shown in Stainless Steel US32D and standoffs shown in Brass US3



 12" (305mm)
 13.5" (343mm)

 13.5" (343mm)
 ((1305mm))

 13.5" (343mm)
 ((1305mm))

 13.5" (495mm)
 ((1005mm))

 10.5" (610mm)
 (1000mm)

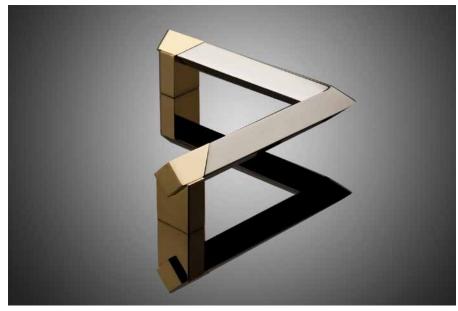
DP6912

DP6112

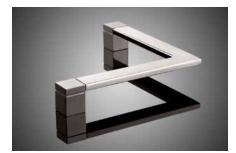
MATERIALS Stainless Steel: US32 (polished), US32D (satin) & FINISHES: Brass: US3 (polished), US4 (satin) MOUNTING Single mounted on wood or metal doors. Back-to-back on wood, metal or glass doors. Refer to Mounting Options C1, C2, C3, C4, C5 (page 73). HOW TO SPECIFY: (c.c.) dimension, quantity, standoff and grip metals and finishes, mounting option, door material and thickness.



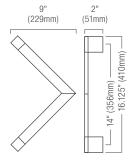
MODULAR continued



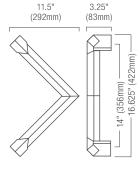
DP6926 with grip shown in Stainless Steel US32 and standoffs shown in Brass US3



DP6916 with grip shown in Stainless Steel US32 and standoffs shown in Stainless Steel US32D

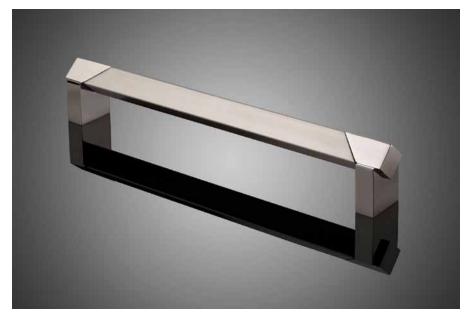


DP6916

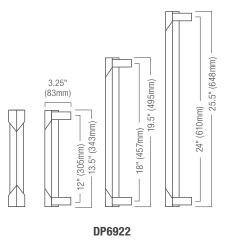


DP6926

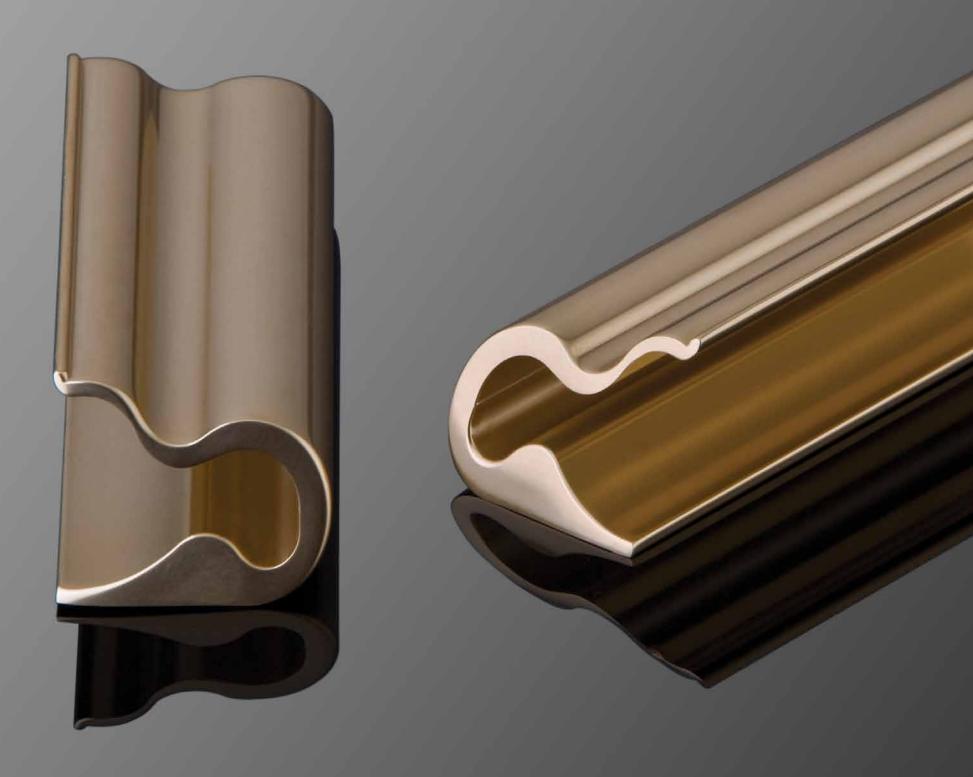




DP6922 with grip shown in Stainless Steel US32D and standoffs shown in Stainless Steel US32



MATERIALSStainless Steel: US32 (polished), US32D (satin)MOUNTINGSingle mounted on wood or metal doors.
OPTIONS:HOW TOProvide model number, center to center
SPECIFY:& FINISHES:Brass: US3 (polished), US4 (satin)MOUNTINGSingle mounted on wood, metal or glass doors. Refer to
Mounting Options C1, C2, C3, C4, C5 (page 73).HOW TOProvide model number, center to center
SPECIFY:(c.c.)dimension, quantity, standoff
and grip metals and finishes, mounting
option, door material and thickness.



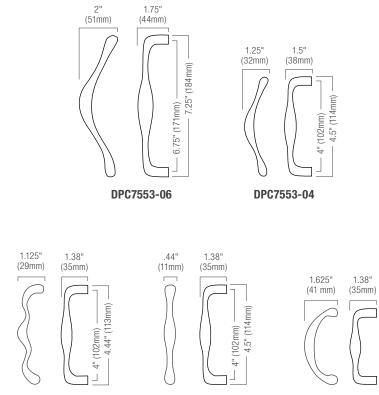
cabinet pulls

Forms+Surfaces cabinet pulls are the result of more than four decades of design and manufacturing innovation. Shaped to complement our door pulls or be used on their own, pulls are available in Stainless Steel, Bronze, Brass, Chrome, Aluminum and Black Neoprene.





L-R: DPC7553-06, DPC7552-04, DPC7553-04, DPC7551-04 shown in Stainless Steel US32D



DPC7551-04

DPC7552-04

DPC7555-03 (not shown in photo)

3" (76mm) — 3.44" (87mm)

c.

MATERIALSStainless Steel: US32 (polished), US32D (satin)& FINISHES:Bronze: US9 (polished), US10 (satin), US10B (oil-rubbed)	INSTALLATION: Cadence cabinet pulls are designed to be used with 3/4" (19mm) thick cabinet doors or drawers and are installed using 8-32x1" long screws (included with order).	HOW TO Provide cabinet pull model number, SPECIFY: quantity, metal and finish.
---	---	--

$\mathsf{LUNA}^{\mathsf{TM}}$



LUC1100-01 shown in Bronze US10B



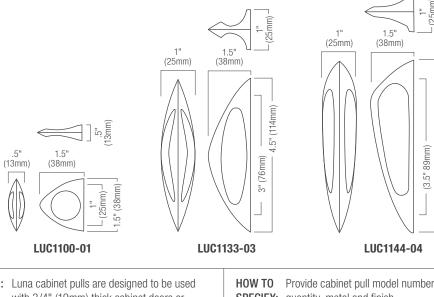


-(25mm)

5" (127mm) -

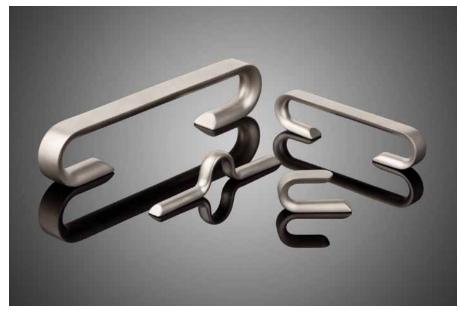
LUC1133-03 shown in Stainless Steel US32D

LUC1144-04 shown in Bronze US9

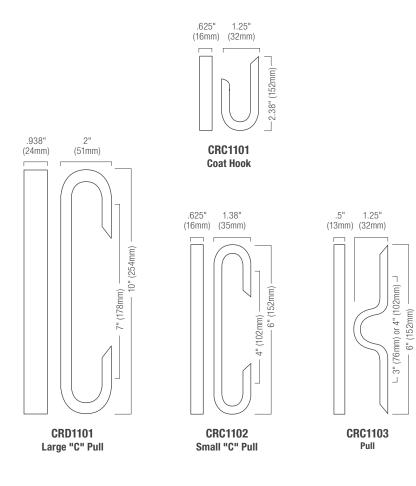


MATERIALS Stainless Steel: US32 (polished), US32D (satin) **INSTALLATION:** Luna cabinet pulls are designed to be used HOW TO Provide cabinet pull model number, & FINISHES: Bronze: US9 (polished), US10 (satin), US10B (oil-rubbed) with 3/4" (19mm) thick cabinet doors or SPECIFY: quantity, metal and finish. drawers and are installed using two 8-32 x 1" screws (included with order).





Clockwise from top left: CRD1101, CRC1102, CRC1101 (Coat Hook) & CRC1103 shown in Stainless Steel MSS



 MATERIALS
 Stainless Steel: MSS (matte), US32 (polished)
 INSTALLATION:
 Circuit cabinet pulls are designed to be used with 3/4" (19mm) thick cabinet doors or drawers and are installed using two 8-32 x 1" long screws (included with order).*
 HOW TO
 Provide cabinet pull model number, center-to-center dimension (CRC1103 only), quantity, metal and finish.

FORMS+SURFACES | 60

*Due to installation variances, mounting screws are not provided with Circuit coat hooks unless requested. The CRD1101 Large "C" cabinet pull is suitable for single throughbolt mount only, on wood or metal faces.

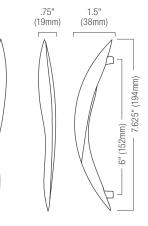
$\mathsf{MERIDIAN}^{^{\mathrm{TM}}}$



DPC9102 shown in Stainless Steel US32D



DPC9101, DPC9102 shown in Bronze US10



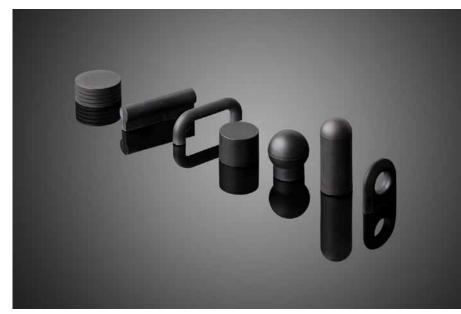
DPC9101 DPC9102 (left) (right)

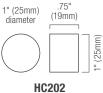
 MATERIALS
 Stainless Steel: US32 (polished), US32D (satin)

 & FINISHES:
 Bronze: US9 (polished), US10 (satin), US10B (oil-rubbed)

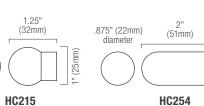
INSTALLATION: Meridian cabinet pulls are designed to be used with 3/4" (19mm) thick cabinet doors or drawers and are installed using two 8-32 x 1" screws (included with order).

NEOPRENE





1.75" (44mm) diameter

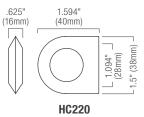


3.25" (83mm)

.875" (22mm)

L-R: HC242, HC225, HC213, HC202, HC215, HC254, HC220

For additional sizes and more design options visit www.forms-surfaces.com



diameter

 MATERIALS
 Neoprene: molded neoprene over metal cores
 INSTALLATION:
 Neoprene cabinet pulls are designed to be used with 3/4" (19mm) thick cabinet doors or drawers and are installed using a variety of screws.
 HOW TO
 Provide cabinet pull model number

$\mathsf{WAVE}^{\mathsf{\tiny TM}}$



WAC1833-03 shown in 305 (black matte), WAC1833-04 shown in 302 (clear matte)

For additional sizes and more design options visit www.forms-surfaces.com



WAC1800-01 shown in 305 (black matte) and 302 (clear matte)

1.125" (29mm)

1.5" (38mm)

WAC1833-03

1.5" (38mm)

Cross Section

(102mm)

3" (76mm)

1.5" (38mm)

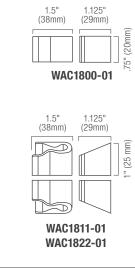
D

WAC1833-04

1.125" (29mm)



WAC1822-01, WAC1811-01 shown in 302 (clear matte)



MATERIALS Anodized Aluminum: 301 (clear polished), 302 (clear matte),& FINISHES: 305 (black matte)	INSTALLATION:Wave cabinet pulls are designed to be used with 3/4" (19mm) thick cabinet doors or drawers and are installed using two 8-32 x 1"HOW TO SPECIFY:Provide cabinet pull model number, guantity and finish.
---	---

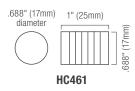


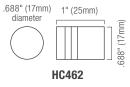


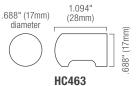
L-R: HC461, HC462 & HC463 shown in Chrome US26D, HC401 shown in Chrome US26, HC465 shown in Matte Black Anodized Aluminum

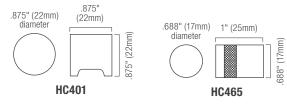
For additional sizes and more design options visit www.forms-surfaces.com

MATERIALSAnodized Aluminum (all except HC401): Matte Black& FINISHES:Brass: US3 (polished)Chrome: US26 (polished), US26D (satin)	INSTALLATION: Token cabinet pulls are designed to be used with 3/4" (19mm) thick cabinet doors or drawers and are installed using a variety of screws.	HOW TO Provide cabinet pull model number, SPECIFY: quantity, metal and finish.
--	---	--







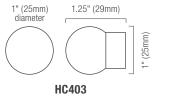


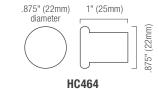


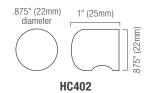
L-R: HC403, HC464 & HC402 shown in Brass US3, HC404 shown in Chrome US26

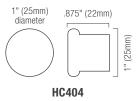
For additional sizes and more design options visit www.forms-surfaces.com

MATERIALS Anodized Aluminum (HC464 only): Matte Black & FINISHES: Brass: US3 (polished) Chrome: US26 (polished), US26D (satin)	INSTALLATION: Token cabinet pulls are designed to be used with 3/4" (19mm) thick cabinet doors or drawers and are installed using a variety of screws.	HOW TO Provide cabinet pull model number, SPECIFY: quantity, metal and finish.
--	---	--





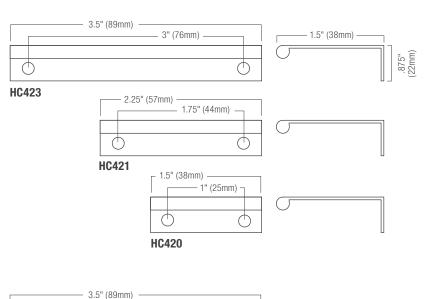


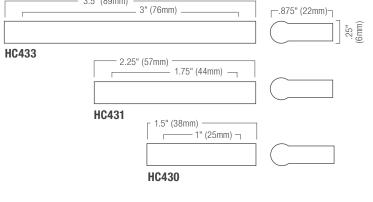




 $\mathsf{MESA}^{\mathsf{TM}}$







MATERIALS Anodized Aluminum: Satin Clear, Matte Black & FINISHES: INSTALLATION: Mesa cabinet pulls are designed to be used with 3/4" (19mm) thick cabinet doors or drawers and are installed using a variety of screws.

$\mathsf{SWEEP}^{\scriptscriptstyle\mathsf{TM}}$

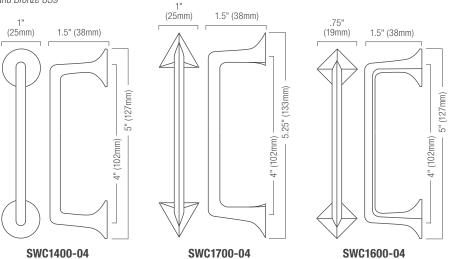


Top to Bottom: SWC1400-04, SWC1700-04, SWC1600-04 shown in Stainless Steel US32 and Bronze US9

For additional sizes and more design options visit www.forms-surfaces.com



SWC1400-01 shown in Stainless Steel US32 and Bronze US9



1" (25mm)

1.5" (38mm)

SWC1400-01

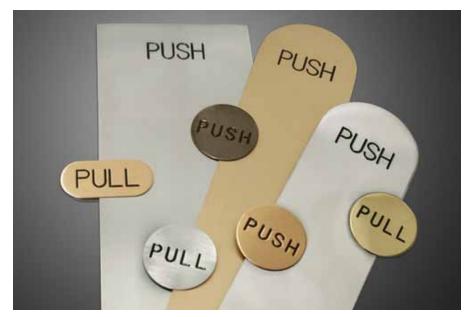


options & pricing

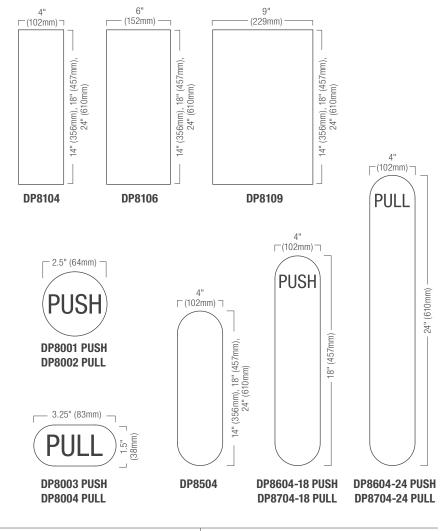
Choose from a variety of push plates and indicator discs to match your door pull selection. Determine materials and finishes suitable to the surrounding architecture, and find the right mounting option for your door type.

The information presented in this brochure is intended as a starting point. For current pricing, product data sheets, and additional series-specific details, visit our website at www.forms-surfaces.com.

PUSH PLATES & INDICATOR DISCS



Clockwise from left: DP8004, DP8106, DP8001, DP8604-18, DP8604-24, DP8002, DP8001, DP8002



MATERIALSStainless Steel: US32 (polished), US32D (satin)& FINISHES:Bronze: US9 (polished), US10 (satin), US10B (oil-rubbed)Brass: US3 (polished), US4 (satin)Lettering is recessed and filled in black	MOUNTING Push plates and indicator discs are designed to be mounted with a two-part epoxy (included with order). To be used beneath a door pull, they may be drilled for mounting for an additional nominal fee.	HOW TO Provide model number, quantity, metal SPECIFY: and finish, mounting option, door material and thickness, door type and handing, vertical or horizontal engraving.
--	--	---

MATERIALS & FINISHES



301 Material: Aluminum Finish: Clear Polished



US9 Material: Bronze Finish: Polished



US32 Material: Stainless Steel Finish: Polished





US10 Material: Bronze Finish: Satin

US32D

Material: Stainless Steel

Finish: Satin



US10B Material: Bronze Finish: Oil-Rubbed

SSS

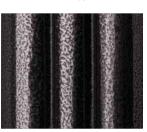
Material: Stainless Steel

Finish: Stippled





SBR Material: Bronze Finish: Stippled



AL1 Material: Aluminum Finish: Hand-Rubbed Patina



S10

Material: Bronze

Finish: Stippled Oil-Rubbed

US3

BR1 Material: Brass Finish: Hand-Rubbed Patina



Not all metal and finish combinations shown are available for all pulls. Please refer to individual product pages for collection-specific information.

> US4 Material: Brass Finish: Satin

WSB Material: Bronze Finish: Wrought Oil-Rubbed



BZ1 Material: Bronze Finish: Hand-Rubbed Patina





DOOR PULL OVERVIEW & ORDERING GUIDELINES

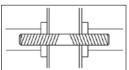
Collection-specific details are described on the previous pages. The following chart provides an overview of our three door pull collections—Cast, Tubular and Configurable—and can serve as a guide for ordering Forms+Surfaces door pulls.

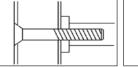
	CAST DOOR PULLS (refer to pages 7-25)	TUBULAR DOOR PULLS (refer to pages 27-41)	CONFIGURABLE DOOR PULLS (refer to	pages 43-55)
Construction	Cast door pulls are cast of solid metal.	Tubular door pulls feature round or rectangular tubular profiles in various diameters and cross-section sizes.	Configurable door pulls consist of multiple elements that must be specified separate Based on a "kit of parts" format, families within this collection allow specifiers to cho from a range of standard components to create custom-looking door pull designs.	
Design Options	Designs range from organic sculptural forms to crisp geometric shapes.	Options include round or rectangular tubular profiles in a variety of sizes and orientations, and straight, offset, angled or c-shaped designs.	Individual pulls consist of two basic elements that must be specified separately: Grips and Standoffs or Finials.	
		or c-snapeu uesigns.	 GRIPS The "graspable" part of the pull. Design options include: straight or curved versions round or rectangular profiles in a variety of sizes and orientations 	STANDOFFS / FINIALS The two (or more) elements that support the grip. Some pulls have finials; others have standoffs. The function of each is similar. Design options vary per family and include a variety of distinctive shapes.
Sizes	Overall length and center-to-center dimensions are generally fixed per Cast door pull design/model. See individual product pages for specifics.	Tubular door pulls are available in numerous standard overall lengths and/or center-to-center options. Custom sizes are also available. See individual product pages for specifics.	Sizing of most Configurable door pulls is defined by the customer, not by pre-set options In most cases, overall lengths and/or center-to-center dimensions are completely variable and allow customers to specify grip lengths and/or standoff spacing to meet project-specific requirements. See individual product pages for specifics.	
Metals & Finishes	 Individual pulls consist of a single metal/finish combination. Metal options vary per family and include Stainless Steel, Bronze, Brass and/or Aluminum. Finishes are defined per metal. See individual product pages for product-specific options. 	 Individual pulls consist of a single metal/finish combination. Metal options vary per family and include Stainless Steel, Bronze and/or Brass. Finishes are defined per metal. See individual product pages for product-specific options. 	 On individual pulls, Grips and Standoffs / Finials may be specified in matching or contrasting metals and finishes. For each: Metal options vary per family and include Stainless Steel, Bronze and/or Brass. Finishes are defined per metal. See individual product pages for product-specific options. 	
Mounting Options	Varies per door pull design. See product pages and Mounting Options chart on page 73 for details.	Varies per door pull design. See product pages and Mounting Options chart on page 73 for details.	Varies per door pull design. See product page 73 for details.	pages and Mounting Options chart on
To Order Specify All information listed is required for order processing.	 Door pull quantity Door pull model number Door pull metal & finish Door pull dimensions (as applicable per design; refer to product page for details) Door material & thickness Mounting option (refer to individual product pages for product-specific options) 	 Door pull quantity Door pull model number Door pull metal & finish Door pull dimensions (as applicable per design; refer to product page for details) Door material & thickness Mounting option (refer to individual product pages for product-specific options) 	 Door pull quantity Grip model number Standoff / Finial model number Grip metal & finish Standoff / Finial metal & finish Standoff/ Finial quantity as required p Dimensions as applicable per design (Door material & thickness Mounting option (refer to individual pro- 	

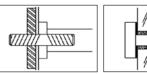
MOUNTING OPTIONS

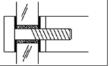
Α

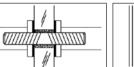
В

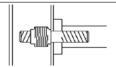












A-1 Back-to-back mount on wood A-2 or metal door with Bota-Lok

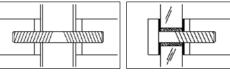
A-2 Single mount on wood or	A-:
metal door with through bolt.	alu

-3 Concealed single mount on uminum frame door with Rota-Lok and customer's reinforcement.

11111111

A-4 Single mount on glass door A-5 Back-to-back mount on glass with end cap purchased separately. door with Rota-Lok.

*A-6 Concealed single mount on wood door with threaded insert and Rota-Lok.



B-1 Back-to-back mount on wood or metal door with Rota-Lok.



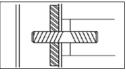
B-3 Back-to-back mount on glass with end cap purchased separately. door with Rota-Lok.

door with through bolt.

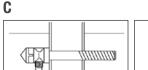


11111

B-6 "L" Configuration: Adapt one end of each pull for back-to-back mounting with Rota-Lok. Specifiy "B" mounting for other ends.

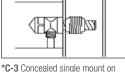


B-7 Concealed single mount on aluminum frame door with Rota-Lok and customer's reinforcement.



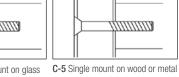
illuna (

C-1 Back-to-back mount on wood C-2 Concealed single mount or metal door with shoulder bolt. on aluminum frame door with shoulder bolt and customer's reinforcement.



threaded insert.

C-4 Back-to-back mount on glass wood door with shoulder bolt and door with shoulder bolt.



door with through bolt.

*Forms+Surfaces offers but does not recommend concealed mounting on wood doors. Frequent or heavy use can compromise the integrity of this mounting.



system applications

Our door pulls offer unparalleled creative freedom. However, the visual possibilities don't stop there. Our product mix also includes expertly crafted doors whose design themes, materials and finishes complement those in our door pull line. In addition, several of our standard pulls are available as handrails in our LEVELe[™] and CabForms[®] elevator interiors.

DOORS & DOOR PULLS









clockwise from left to right: 1) Stainless Steel doors with Dallas[™] Impression[™] pattern and Stainless Rectangular pulls; 2) Fused Bronze[™] door with Sextant[™] pull; 3) Patterned Glass door with Meridian[™] pulls; 4) Bonded Aluminum[™] door with Sextant pulls

Stainless Steel Doors unite a full range of UL[®] fire labeling options with an extensive array of designs, patterns and Fused Metal[®] colors. The result is a line of beautiful, affordable alternatives to generic fire doors.

Stile & Rail Doors combine sophistication with design flexibility. Three configurations

and a variety of materials and finishes make custom doors easily attainable.

Bonded Metal® Doors are made from a highly durable cast composite with the character and appearance of solid metal. A wide range of colors and patterns is available.





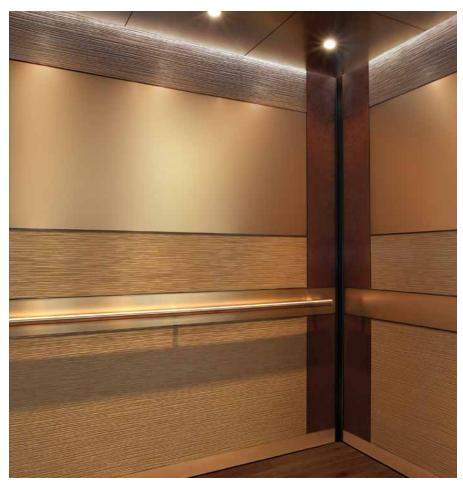


left to right: 1) Bonded Bronze[™] doors with Rain[™] pattern and Cadence[™] pulls; 2) Stile & Rail doors with Patterned Glass insets and Sextant[™] pulls; 3) Stile & Rail doors with Bonded Aluminum[™] inset and Allegro[™] pull

Patterned Glass Doors are made from 1/2" thick, tempered glass that permits diffused light transmission. Several three-dimensional cast patterns provide appropriate privacy.

System 7[™] Doors are contemporary interpretations of the traditional glazed door, characterized by precise detailing and rugged construction. Stainless Steel door faces are enhanced by a rich palette of colors and finishes. Several glazing configurations are standard and feature multiple glass options.

ELEVATOR INTERIORS & HANDRAILS







ELEVATOR HANDRAILS are designed for use with LEVELe[™] and CabForms[®] Elevator Interiors but can be used in any elevator cab. They are available in several standard designs that can be specified for cab back walls and/or side walls. Handrails are available in Stainless Steel or Bronze, each in a variety of finishes.



left to right: 1) LEVELe interior with Round handrail; 2) LEVELe interior with Rectangular handrail; 3) CabForms Series1000 interior with Round handrail; 4) CabForms Series 2000 interior with Sextant[™] handrail

LEVELE Elevator Interiors were designed with the requirements of today's buildings in mind. LEVELe evolves the CabForms program, introduced more than ten years ago, with thinner walls, greater energy efficiency, and an expanded range of material and handrail options. Self-revealing extrusion channels, aluminum panel frames, and a





structural backer come together to create a lightweight system that is easy to install and maintain. LEVELe Elevator Interiors can be configured to meet the needs of any new equipment or modernization project. Complete packages are available for all typical sizes of passenger and service cabs, single or double opening. CabForms® Elevator Interiors are ideal for new equipment or modernization projects. Complete packages are available for all typical sizes of passenger and service elevators, single or double opening. CabForms Series 1000 is a rugged Stainless Steel full panel version optimized for all public areas where maintainable aesthetics and resistance to abuse are important concerns. **CabForms Series 2000** features a unique stile, rail and inset design. System elements in a variety of materials and finishes may be selected to coordinate or contrast with one another—the result is a series of highly durable, visually exciting elevator interiors.

left to right: 1) Rectangular; 2) Quadrant™; 3) Sextant™; 4) Modular; 5) Round

FORMS+SURFACES® D E S I G N S F O R L I F E[™]



Sign up for F+S new product announcements at www.forms-surfaces.com/news



We maintain an Environmental Management System and are continually working to improve our impact through efficiency, material selection, vendor education, employee involvement, and an unwavering commitment to being exemplary corporate citizens. If you would like additional information on our Environmental Management System or our company environmental initiatives and policies, please feel free to contact our Sustainability Team at green@forms-surfaces.com.

offices worldwide | 800.451.0410 | 412.781.9003 | www.forms-surfaces.com

Member of the USGBC | Member of the EGBC | LEED[®] Accredited Professionals on Staff | FSC Certified Supplier | SCS-COC-001461 © 1996 Forest Stewardship Council A.C.

FSHWBR0-0710-7500-REV001