



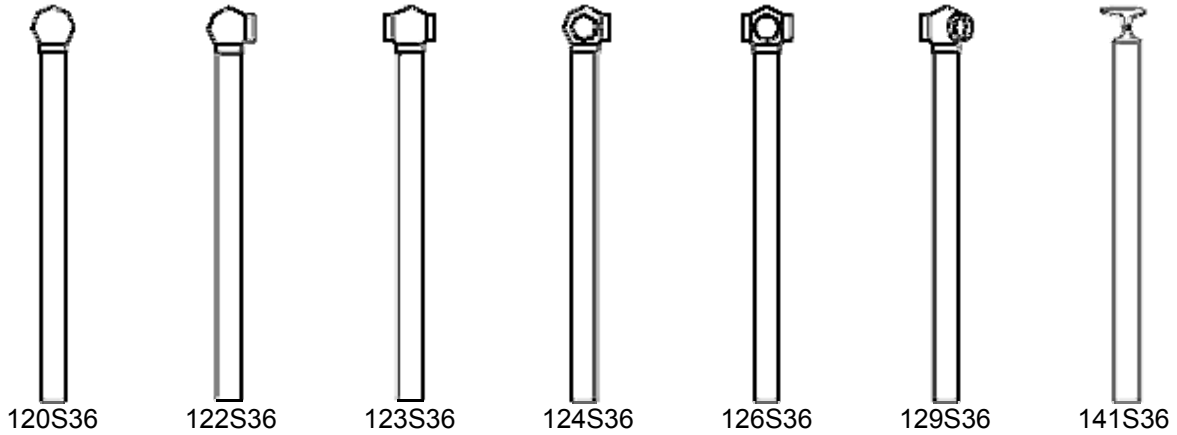
**318 W ADRIAN ST
BLISSFIELD MI 49228**

PHONE: 517-486-9999

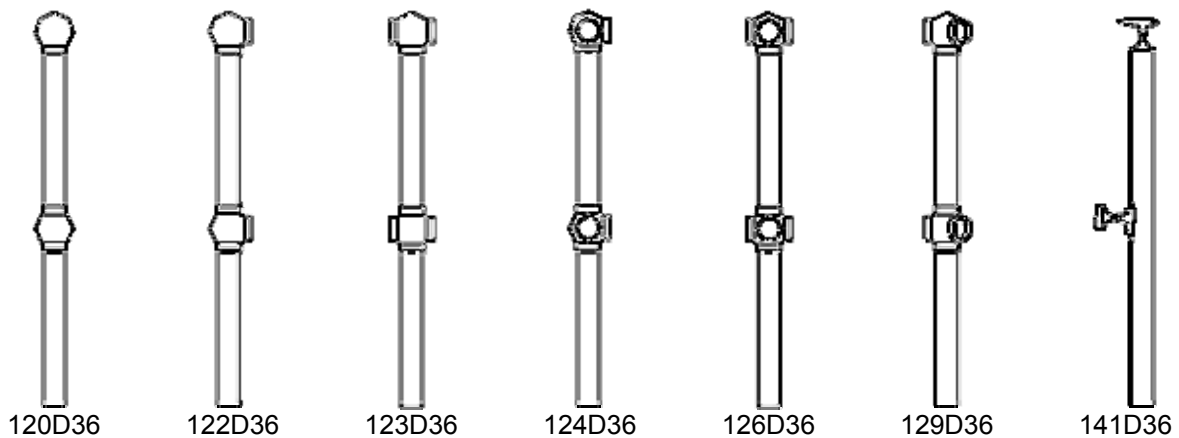
RAILING POSTS

Note: All railing posts are 36" Tall

BALL SINGLE LINE



BALL DOUBLE LINE



Note: You must order one (1) post-assembly with each railing post you order.

Part Numbers Formula

Model Number [308] + Material [PB] + Tube Size [20] = 308PB20

Materials and Tube Sizes

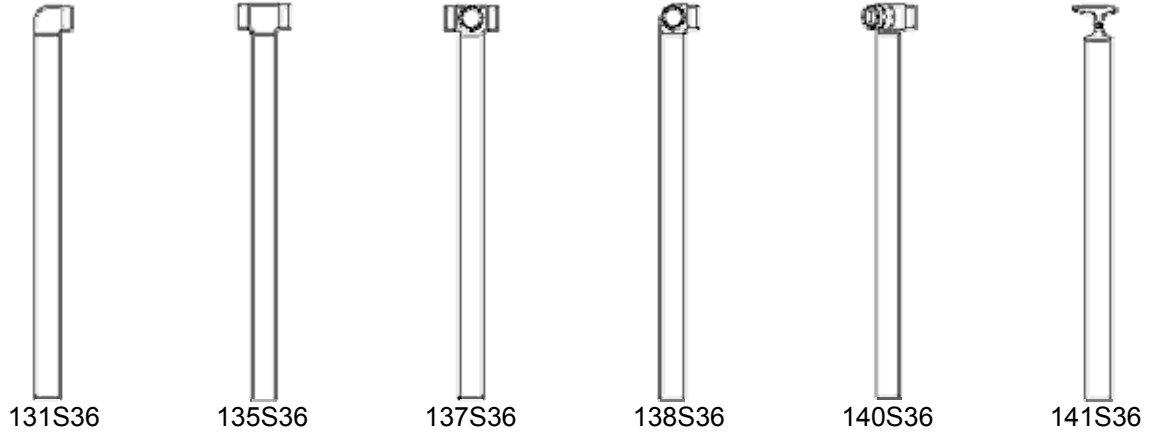
PB = Polished Brass | PS = Polished Stainless | PK = Polished Chrome

1 1/2" Tube = 15 | 2" Tube = 20 | 1/2" Channel = 12 | 3/8" Channel = 38

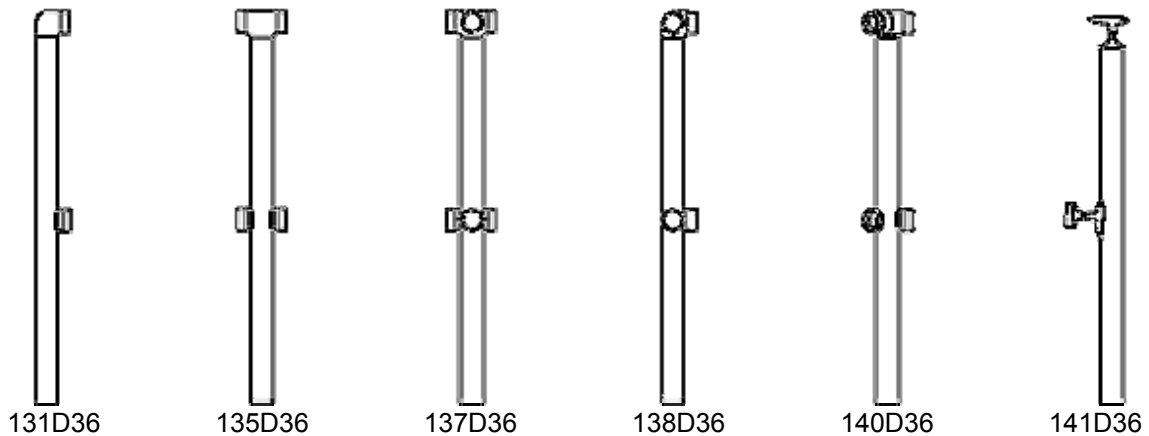
RAILING POSTS

Note: All railing posts are 36" Tall

FLUSH SINGLE LINE



FLUSH DOUBLE LINE



Note: You must order one (1) post-assembly with each railing post you order.

Part Numbers Formula

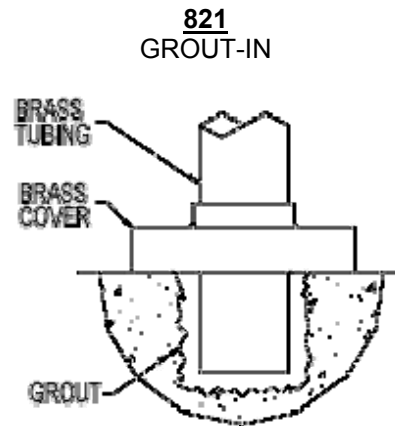
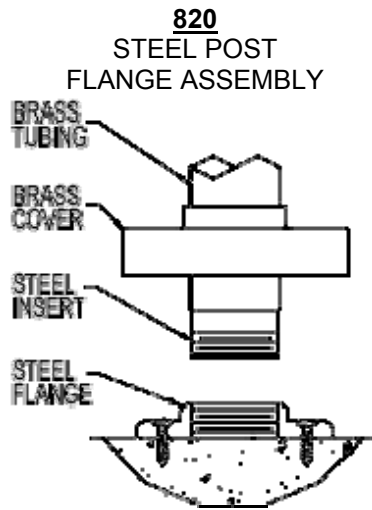
Model Number [308] + Material [PB] + Tube Size [20] = 308PB20

Materials and Tube Sizes

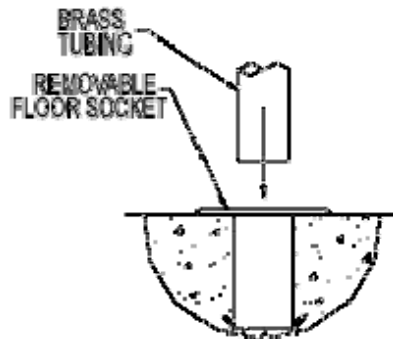
PB = Polished Brass | PS = Polished Stainless | PK = Polished Chrome

1 1/2" Tube = 15 | 2" Tube = 20 | 1/2" Channel = 12 | 3/8" Channel = 38

POST-ASSEMBLY



823
UNCARPETED
REMOVABLE POST
(PLUG NOT SHOWN)



Note: You must order one (1) post-assembly with each railing post you order.

Part Numbers Formula

Model Number [308] + Material [PB] + Tube Size [20] = 308PB20

Materials and Tube Sizes

PB = Polished Brass | PS = Polished Stainless | PK = Polished Chrome

1 1/2" Tube = 15 | 2" Tube = 20 | 1/2" Channel = 12 | 3/8" Channel = 38

BALL SHORT WALL POSTS

Note: Ball short wall posts can be 6" or 12" Tall



120S06



122S06



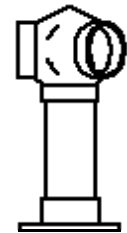
123S06



124S06



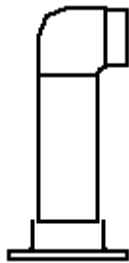
126S06



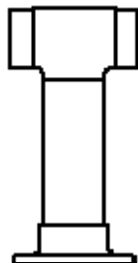
129S06

FLUSH SHORT WALL POSTS

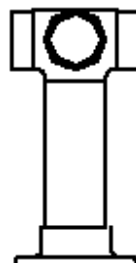
Note: Flush short wall posts can be 6" or 12" Tall



131S06



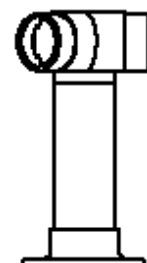
135S06



137S06



138S06



140S06

Part Numbers Formula

Model Number [308] + Material [PB] + Tube Size [20] = 308PB20

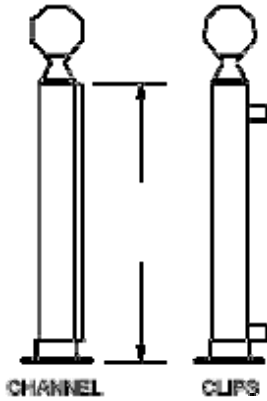
Materials and Tube Sizes

PB = Polished Brass | PS = Polished Stainless | PK = Polished Chrome

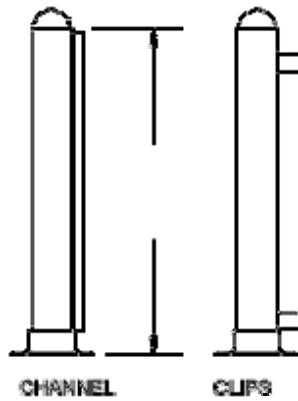
1 1/2" Tube = 15 | 2" Tube = 20 | 1/2" Channel = 12 | 3/8" Channel = 38

GLASS WALL POSTS

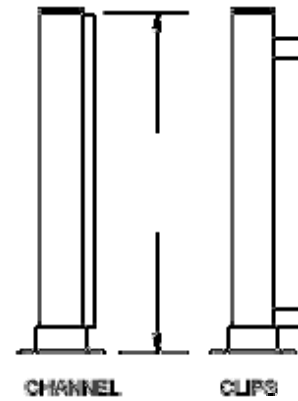
270
POST WITH
370 BALL TOP



278
POST WITH
378 DOME
END CAP

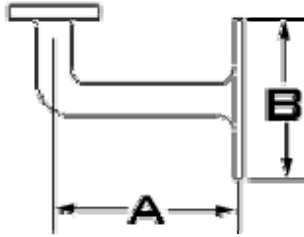


280
POST WITH
380 FLAT
END CAP



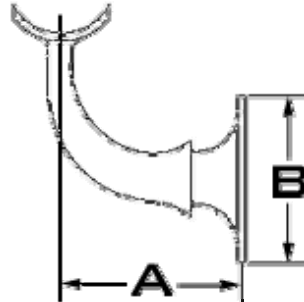
HAND RAIL BRACKETS

344
FLAT WALL BRACKET



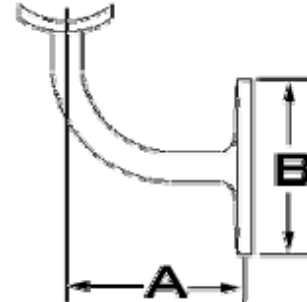
A	B
2 1/2"	2 1/2"

345
HAND RAIL BRACKET



	A	B
2"	3 5/8"	3 1/4"
1 1/2"	3 1/2"	3 1/4"

346
HAND BRACKET



	A	B
2"	3"	2 3/8"
1 1/2"	3"	2 3/8"

Part Numbers Formula

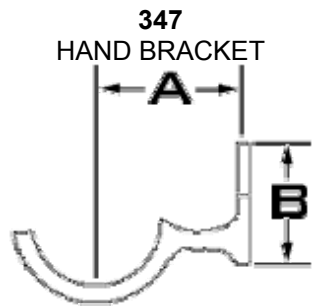
Model Number [308] + Material [PB] + Tube Size [20] = 308PB20

Materials and Tube Sizes

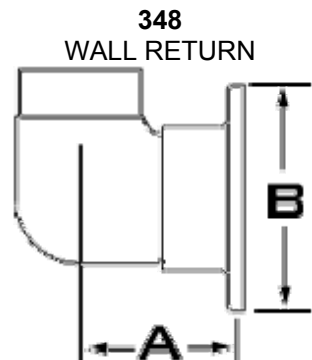
PB = Polished Brass | PS = Polished Stainless | PK = Polished Chrome

1 1/2" Tube = 15 | 2" Tube = 20 | 1/2" Channel = 12 | 3/8" Channel = 38

HAND RAIL BRACKETS

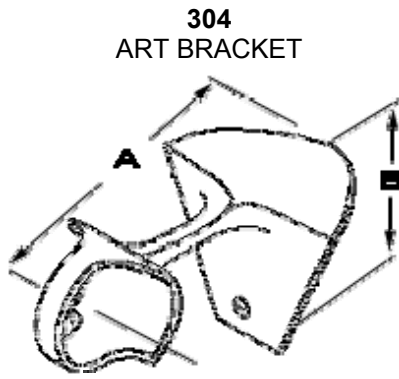


	A	B
2"	2 1/4"	1 1/2"
1 1/2"	2	1 3/8"

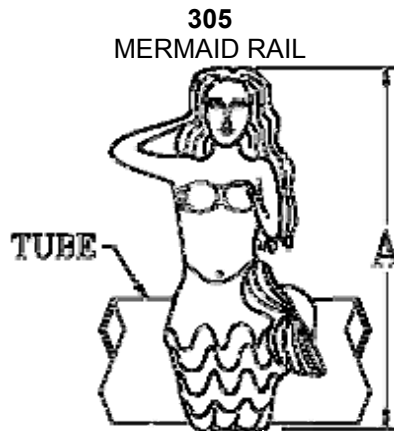


	A	B
2"	3"	4"
1 1/2"	2 3/4"	3"

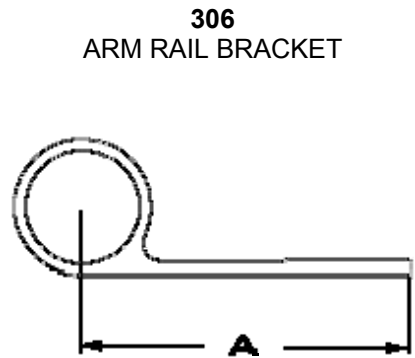
ARM RAIL BRACKETS



	A	B
2"	5 3/4"	3 1/4"



	A
2"	6 1/2"



	A
2"	5 3/4"
1 1/2"	5 3/4"

Part Numbers Formula

Model Number [308] + Material [PB] + Tube Size [20] = 308PB20

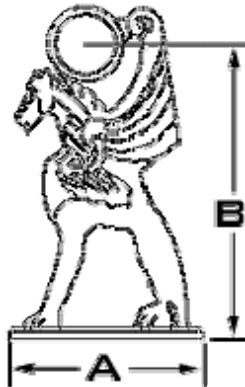
Materials and Tube Sizes

PB = Polished Brass | PS = Polished Stainless | PK = Polished Chrome

1 1/2" Tube = 15 | 2" Tube = 20 | 1/2" Channel = 12 | 3/8" Channel = 38

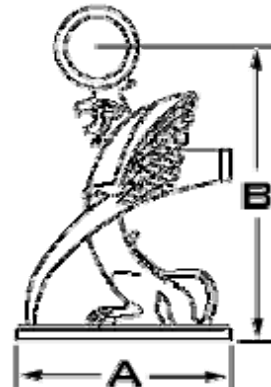
FLOOR RAIL BRACKETS

308
FLYING HORSE FOOT BRACKET



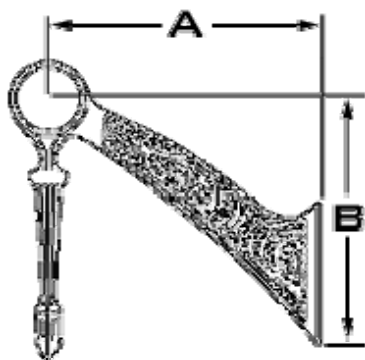
	A	B
2"	6 3/4"	9 1/2"

309
GRIFFIN FOOT BRACKET



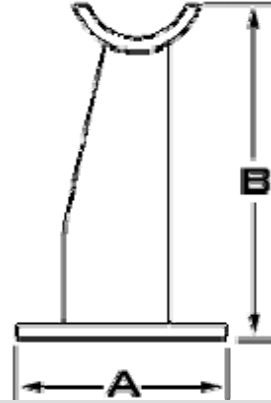
	A	B
2"	6 3/4"	9"

310
BRACKET WITH MOVEABLE LEG



	A	B
2"	9"	8"

312
FLOOR BRACKET



	A	B
2"	4"	6 1/2"

Part Numbers Formula

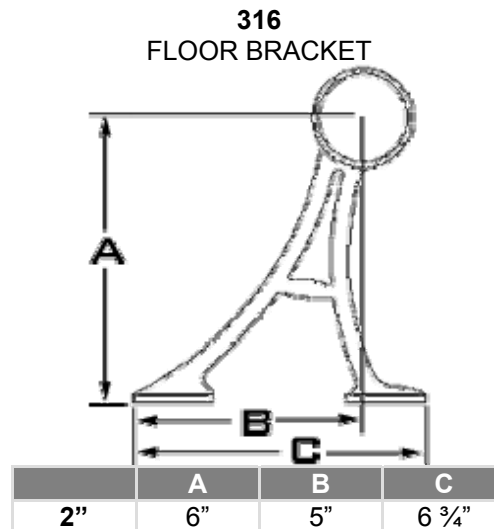
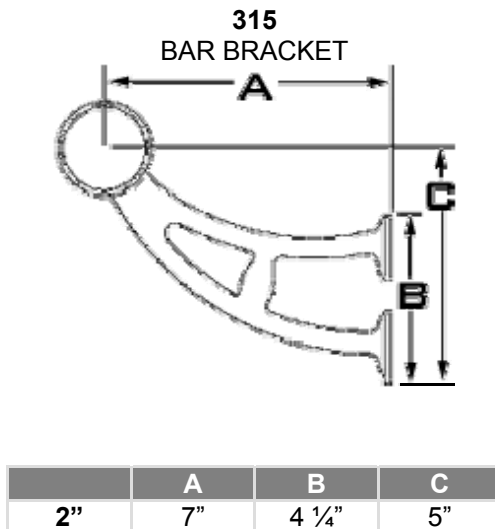
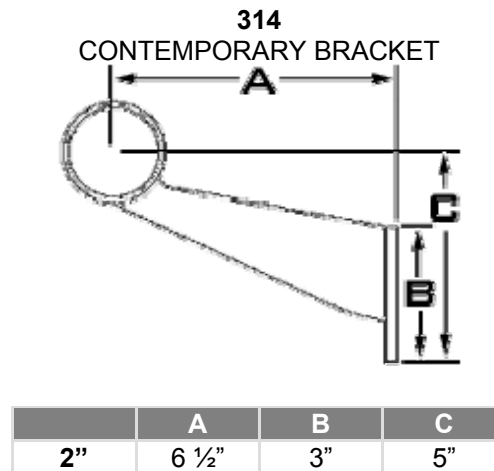
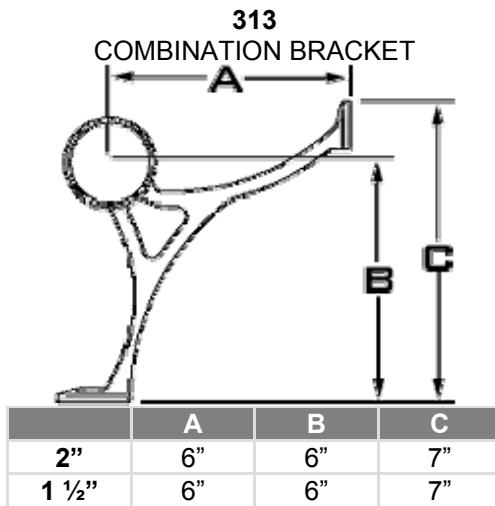
Model Number [308] + Material [PB] + Tube Size [20] = 308PB20

Materials and Tube Sizes

PB = Polished Brass | PS = Polished Stainless | PK = Polished Chrome

1 1/2" Tube = 15 | 2" Tube = 20 | 1/2" Channel = 12 | 3/8" Channel = 38

FLOOR RAIL BRACKETS



Part Numbers Formula

Model Number [308] + Material [PB] + Tube Size [20] = 308PB20

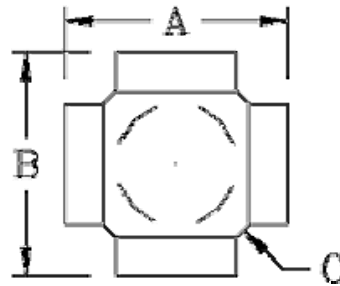
Materials and Tube Sizes

PB = Polished Brass | PS = Polished Stainless | PK = Polished Chrome

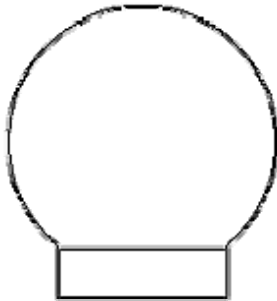
1 1/2" Tube = 15 | 2" Tube = 20 | 1/2" Channel = 12 | 3/8" Channel = 38

BALL FITTINGS

LEGEND	
A	= Width
B	= Height
C	= Ball Diameter

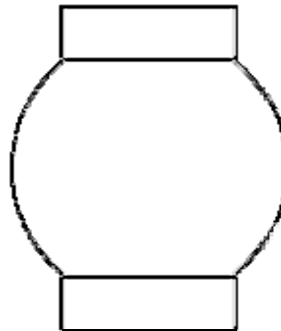


320
BALL END



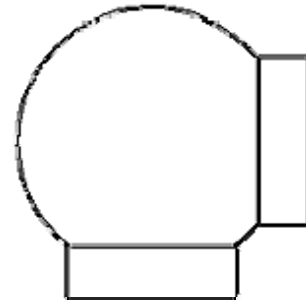
	B	C
2"	3 3/4"	3 1/4"
1 1/2"	2 3/4"	2 1/2"

321
BALL CENTER



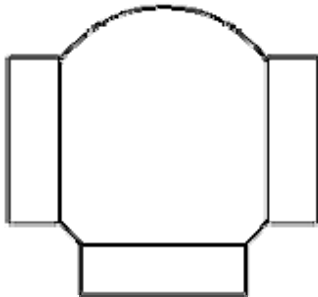
	B	C
2"	4 1/4"	3 1/4"
1 1/2"	3 1/4"	2 1/2"

322
BALL ELBOW



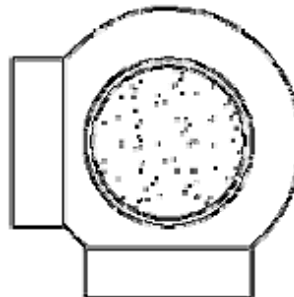
	A	B	C
2"	4"	4"	3 1/4"
1 1/2"	2 3/4"	2 3/4"	2 1/2"

323
BALL TEE



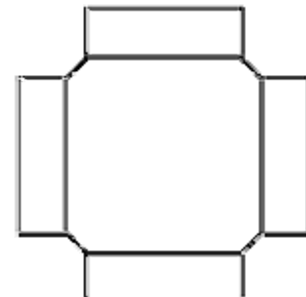
	A	B	C
2"	4 1/4"	3 3/4"	3 1/4"
1 1/2"	3 1/4"	2 3/4"	2 1/2"

324
BALL S.O. ELBOW



	A	B	C
2"	4"	4"	3 1/4"
1 1/2"	2 3/4"	2 3/4"	2 1/2"

325
BALL CROSS



	A	B	C
2"	4 1/4"	4 1/4"	3 1/4"
1 1/2"	3 1/4"	3 1/4"	2 1/2"

Part Numbers Formula

Model Number [308] + Material [PB] + Tube Size [20] = 308PB20

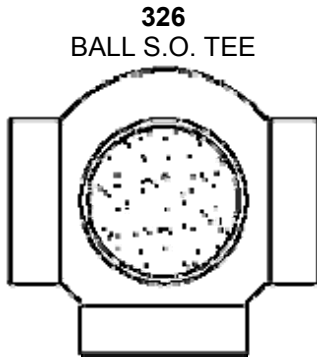
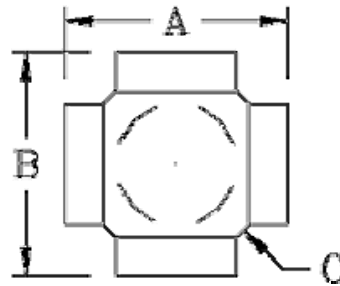
Materials and Tube Sizes

PB = Polished Brass | PS = Polished Stainless | PK = Polished Chrome

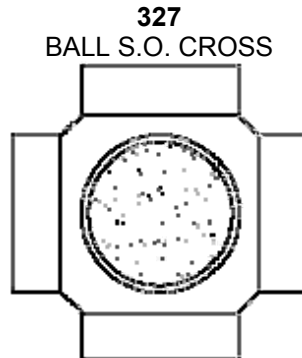
1 1/2" Tube = 15 | 2" Tube = 20 | 1/2" Channel = 12 | 3/8" Channel = 38

BALL FITTINGS

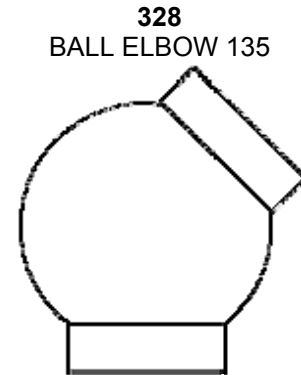
LEGEND	
A	= Width
B	= Height
C	= Ball Diameter



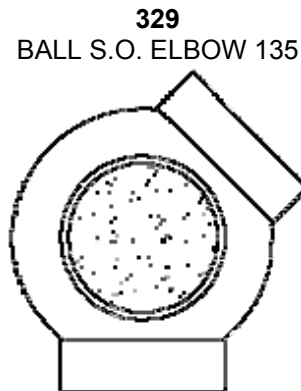
	A	B	C
2"	4 1/4"	3 3/4"	3 1/4"
1 1/2"	3 1/4"	2 3/4"	2 1/2"



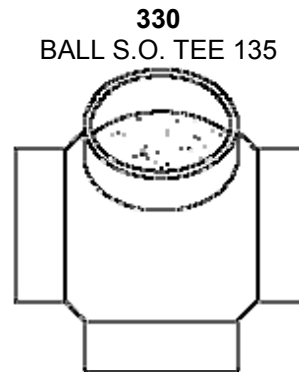
	A	B	C
2"	4 1/4"	4 1/4"	3 1/4"
1 1/2"	3 1/4"	3 1/4"	2 1/2"



	B	C
2"	4"	3 1/4"
1 1/2"	3 1/4"	2 1/2"



	B	C
2"	4"	3 1/4"
1 1/2"	3 1/4"	2 1/2"



	A	B	C
2"	4 1/4"	4	3 1/4"
1 1/2"	3 1/4"	3 1/4"	2 1/2"

Part Numbers Formula

Model Number [308] + Material [PB] + Tube Size [20] = 308PB20

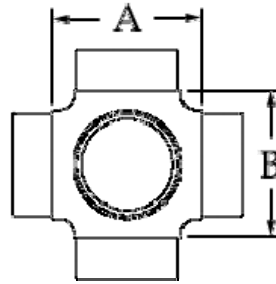
Materials and Tube Sizes

PB = Polished Brass | PS = Polished Stainless | PK = Polished Chrome

1 1/2" Tube = 15 | 2" Tube = 20 | 1/2" Channel = 12 | 3/8" Channel = 38

FLUSH FITTINGS

LEGEND	
A	= Width
B	= Height



331
FLUSH ELBOW

	A	B
2"	2 5/8"	2 5/8"
1 1/2"	2 1/4"	2 1/4"

332
CURVED ELBOW

	A	B
2"	3"	3"
1 1/2"	2 3/4"	2 3/4"

333
S.O. TEE 135

	A	B
2"	2 3/4"	2 1/2"
1 1/2"	2 3/8"	2

334
FLUSH S.O. CROSS

	A	B
2"	2 3/4"	2 3/4"
1 1/2"	2"	2"

335
FLUSH TEE

	A	B
2"	2 3/4"	2 1/2"
1 1/2"	2 3/8"	2"

336
FLUSH CROSS

	A	B
2"	2 3/4"	2 3/4"
1 1/2"	2 3/8"	2 3/8"

Part Numbers Formula

Model Number [308] + Material [PB] + Tube Size [20] = 308PB20

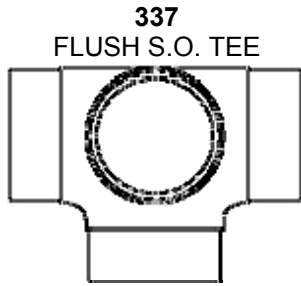
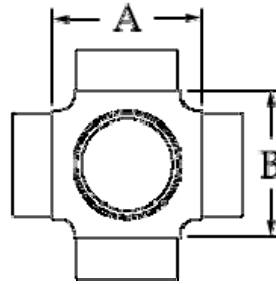
Materials and Tube Sizes

PB = Polished Brass | PS = Polished Stainless | PK = Polished Chrome

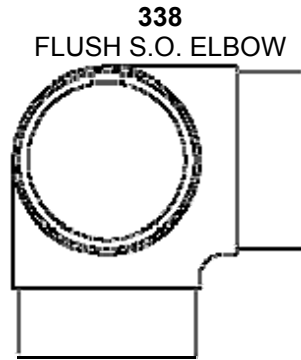
1 1/2" Tube = 15 | 2" Tube = 20 | 1/2" Channel = 12 | 3/8" Channel = 38

FLUSH FITTINGS

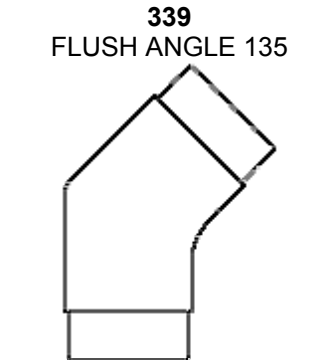
LEGEND	
A	= Width
B	= Height



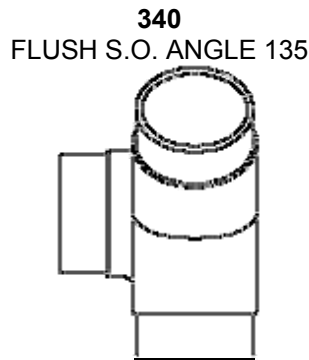
	A	B
2"	2 3/4"	2 1/2"
1 1/2"	2 3/8"	2"



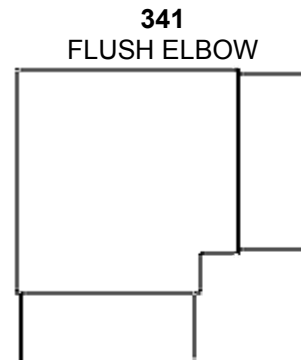
	A	B
2"	2 1/2"	2 1/2"
1 1/2"	2"	2"



	A	B
2"	2"	2"
1 1/2"	1 3/4"	1 3/4"



	A	B
2"	2 1/2"	2 1/2"
1 1/2"	2"	2"



	A	B
2"	3"	3"
1 1/2"	2 3/4"	2 3/4"

Part Numbers Formula

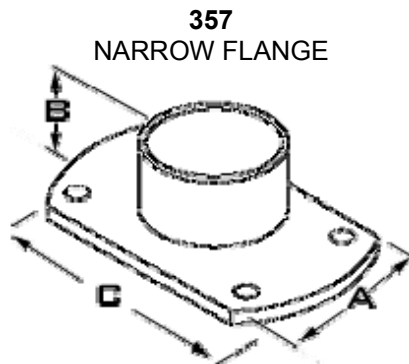
Model Number [308] + Material [PB] + Tube Size [20] = 308PB20

Materials and Tube Sizes

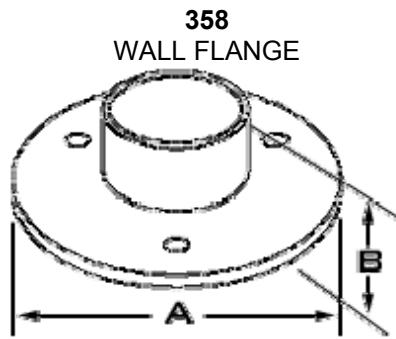
PB = Polished Brass | PS = Polished Stainless | PK = Polished Chrome

1 1/2" Tube = 15 | 2" Tube = 20 | 1/2" Channel = 12 | 3/8" Channel = 38

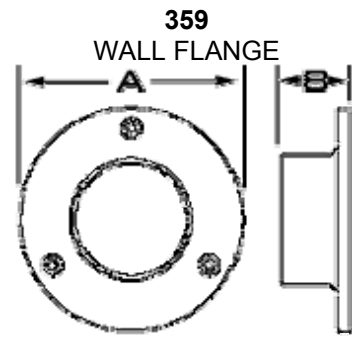
FLANGES, FINIALS & END CAPS



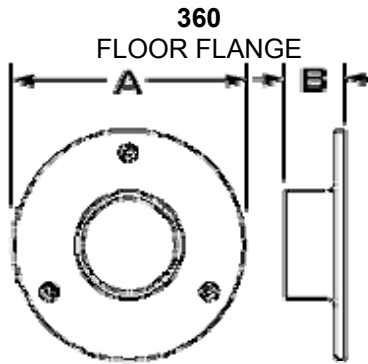
	A	B	C
2"	2 3/8"	1 1/4"	4"
1 1/2"	2"	1 1/8"	3"



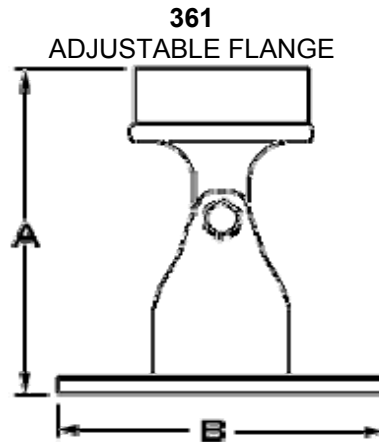
	A	B
2"	3 1/2"	1 1/4"
1 1/2"	2 1/2"	1 1/8"



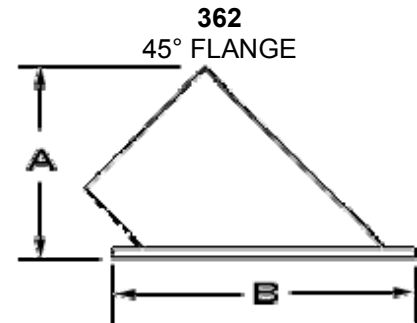
	A	B
2"	4"	1 1/4"
1 1/2"	3"	1 1/8"



	A	B
2"	5"	1 1/4"
1 1/2"	4"	1 1/8"



	A	B
2"	3 1/4"	4 1/4"
1 1/2"	3 1/4"	4 1/8"



	A	B
2"	2 3/4"	4"
1 1/2"	2 1/8"	3"

Part Numbers Formula

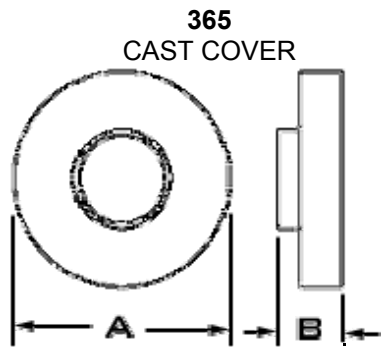
Model Number [308] + Material [PB] + Tube Size [20] = 308PB20

Materials and Tube Sizes

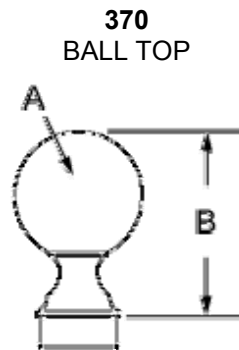
PB = Polished Brass | PS = Polished Stainless | PK = Polished Chrome

1 1/2" Tube = 15 | 2" Tube = 20 | 1/2" Channel = 12 | 3/8" Channel = 38

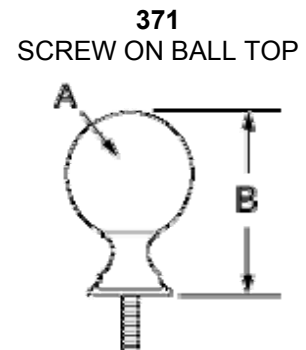
FLANGES, FINIALS & END CAPS



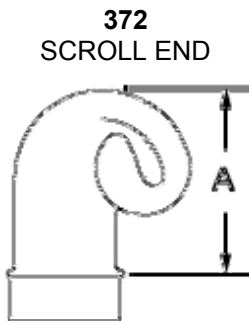
	A	B
2"	5"	1 5/8"
1 1/2"	4"	1 3/8"



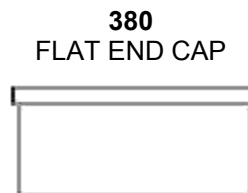
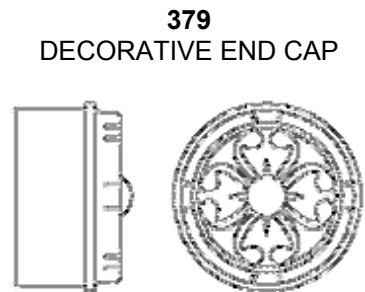
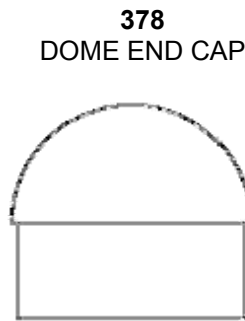
	A	B
2"	3"	4 1/2"
1 1/2"	2 1/2"	3 3/4"



	A	B
2"	3"	4 1/4"
1 1/2"	2 1/2"	3 1/2"



	A
2"	3 1/4"
1 1/2"	3"



Part Numbers Formula

Model Number [308] + Material [PB] + Tube Size [20] = 308PB20

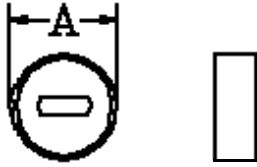
Materials and Tube Sizes

PB = Polished Brass | PS = Polished Stainless | PK = Polished Chrome

1 1/2" Tube = 15 | 2" Tube = 20 | 1/2" Channel = 12 | 3/8" Channel = 38

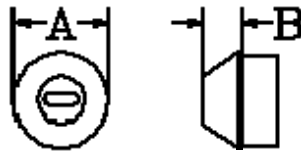
ADAPTERS & COLLARS

381
STRAIGHT ANGLE COLLAR



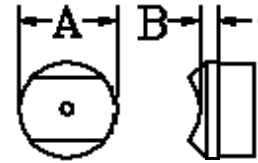
	A
2"	2 ³ / ₁₆ "
1 1/2"	1 ⁵ / ₈ "

382
BAILEY COLLAR



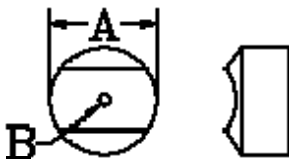
A	B
2"	7/8"
1 1/2"	1 ³ / ₄ "

383
INSIDE UNIVERSAL



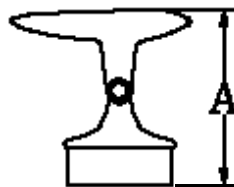
A	B
2"	3/8"
1 1/2"	3/8"

384
OUTSIDE UNIVERSAL



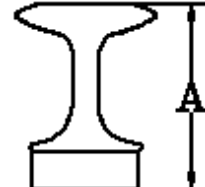
	A	B
2"	2 ³ / ₁₆ "	1/4"
1 1/2"	1 ¹¹ / ₁₆ "	1/4"

385
ADJUSTABLE SADDLE



	A
2"	2 ³ / ₄ "
1 1/2"	2 ¹ / ₄ "

386
STRAIGHT SADDLE



	A
2"	2 ⁵ / ₈ "
1 1/2"	2 ⁵ / ₁₆ "

Part Numbers Formula

Model Number [308] + Material [PB] + Tube Size [20] = 308PB20

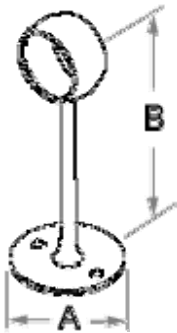
Materials and Tube Sizes

PB = Polished Brass | PS = Polished Stainless | PK = Polished Chrome

1 1/2" Tube = 15 | 2" Tube = 20 | 1/2" Channel = 12 | 3/8" Channel = 38

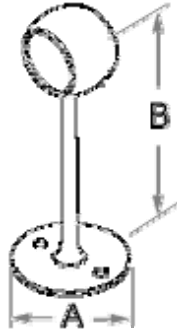
POST FITTINGS

349
TALL BALL CENTER POST



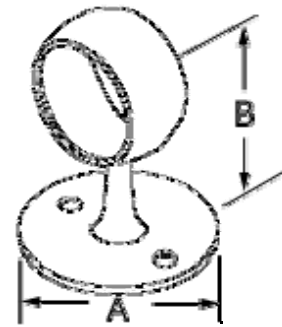
	A	B
2"	3 1/8"	5"
1 1/2"		

350
TALL BALL END POST



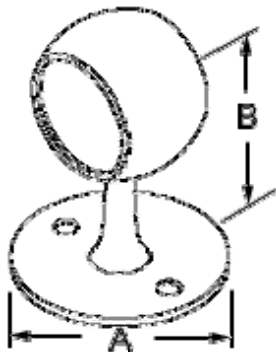
	A	B
2"	3 1/8"	5"
1 1/2"		

353
BALL CENTER POST



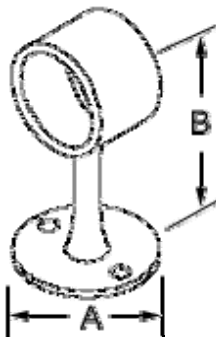
	A	B
2"	3 1/4"	3"
1 1/2"	2 1/4"	2 3/4"

354
BALL END POST



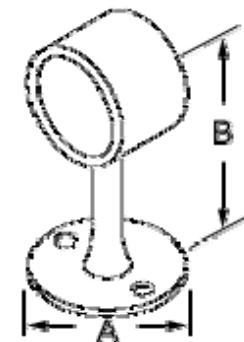
	A	B
2"	3 1/4"	3"
1 1/2"	2 1/4"	2 3/4"

355
CENTER POST



	A	B
2"	2 5/8"	3 1/4"
1 1/2"	2 3/8"	2 1/2"

356
END POST



	A	B
2"	2 5/8"	3 1/4"
1 1/2"	2 3/8"	2 1/2"

Part Numbers Formula

Model Number [308] + Material [PB] + Tube Size [20] = 308PB20

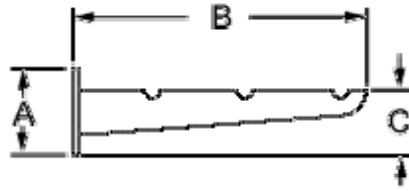
Materials and Tube Sizes

PB = Polished Brass | PS = Polished Stainless | PK = Polished Chrome

1 1/2" Tube = 15 | 2" Tube = 20 | 1/2" Channel = 12 | 3/8" Channel = 38

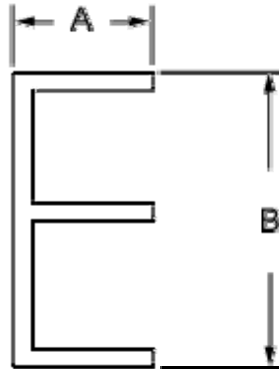
TRAY SLIDES

395
TRAY SLIDE BRACKET



A	B	C
2"	12 5/8"	1 3/8"

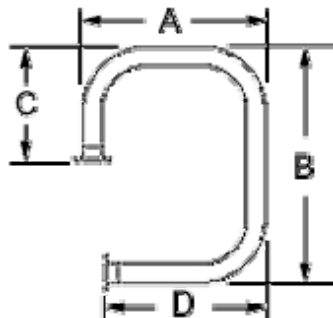
396
TRAY SLIDE END



A	B
5 3/4"	9 3/8"

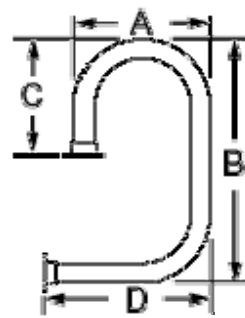
WAITRESS STATIONS

398
SQUARED OFF STATION



	A	B	C	D		A	B	C	D
2"	16"	21 7/8"	13 1/2"	13 3/4"	2"	16 3/8"	25"	12 3/4"	16 1/4"
1 1/2"	15 1/2"	21 3/8"	12 1/2"	12 3/4"	1 1/2"	14"	25"	11 1/2"	11 1/2"

399
ROUNDED OFF STATION



Part Numbers Formula

Model Number [308] + Material [PB] + Tube Size [20] = 308PB20

Materials and Tube Sizes

PB = Polished Brass | PS = Polished Stainless | PK = Polished Chrome

1 1/2" Tube = 15 | 2" Tube = 20 | 1/2" Channel = 12 | 3/8" Channel = 38

STEM WARE SYSTEMS

601
BALL DETAIL GLASS RACK



602
FLUSH DETAIL GLASS RACK



604
CHANNEL MOUNTED GLASS RACK



607
FLAT BAR MOUNTED



608
UNMOUNTED



609
CHANNEL MOUNTED



Part Numbers Formula

Model Number [308] + Material [PB] + Tube Size [20] = 308PB20

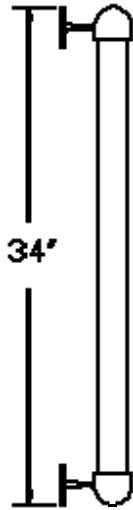
Materials and Tube Sizes

PB = Polished Brass | PS = Polished Stainless | PK = Polished Chrome

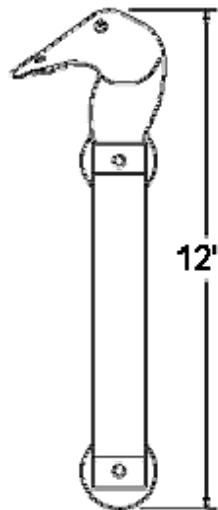
1 1/2" Tube = 15 | 2" Tube = 20 | 1/2" Channel = 12 | 3/8" Channel = 38

DOOR HANDLES

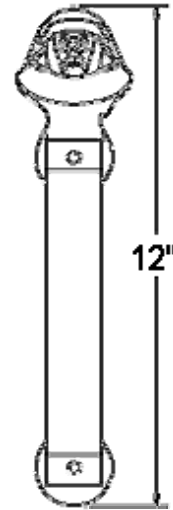
510
SINGLE PUSH BAR



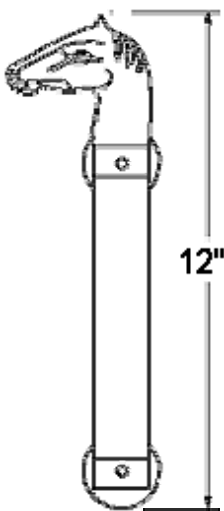
560
DUCK HEAD



561
OLD SALT



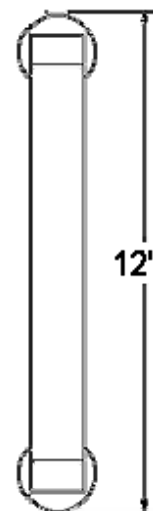
562
HORSE HEAD



563
BALL TOP



564
MODERN



Part Numbers Formula

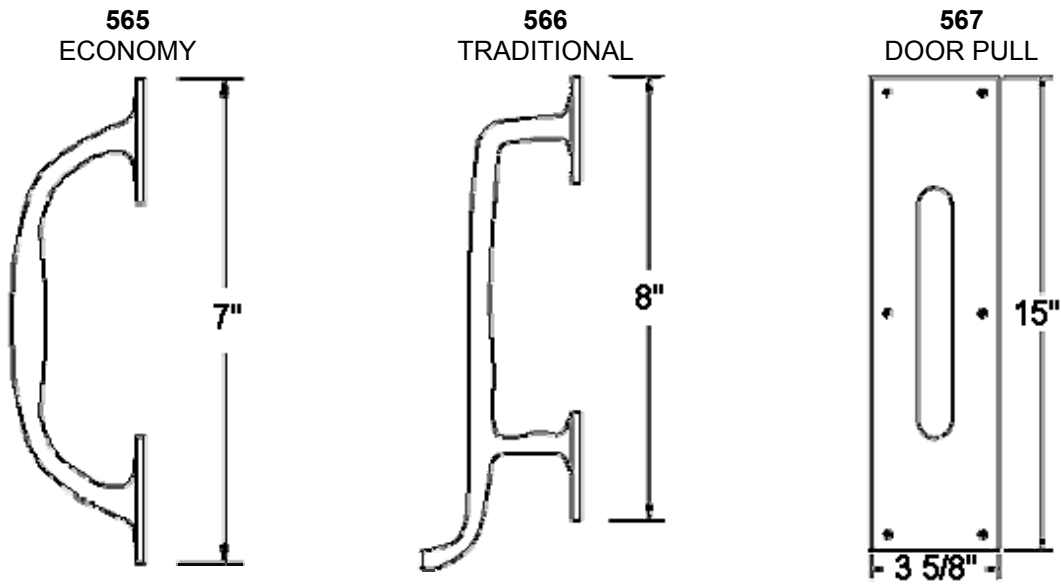
Model Number [308] + Material [PB] + Tube Size [20] = 308PB20

Materials and Tube Sizes

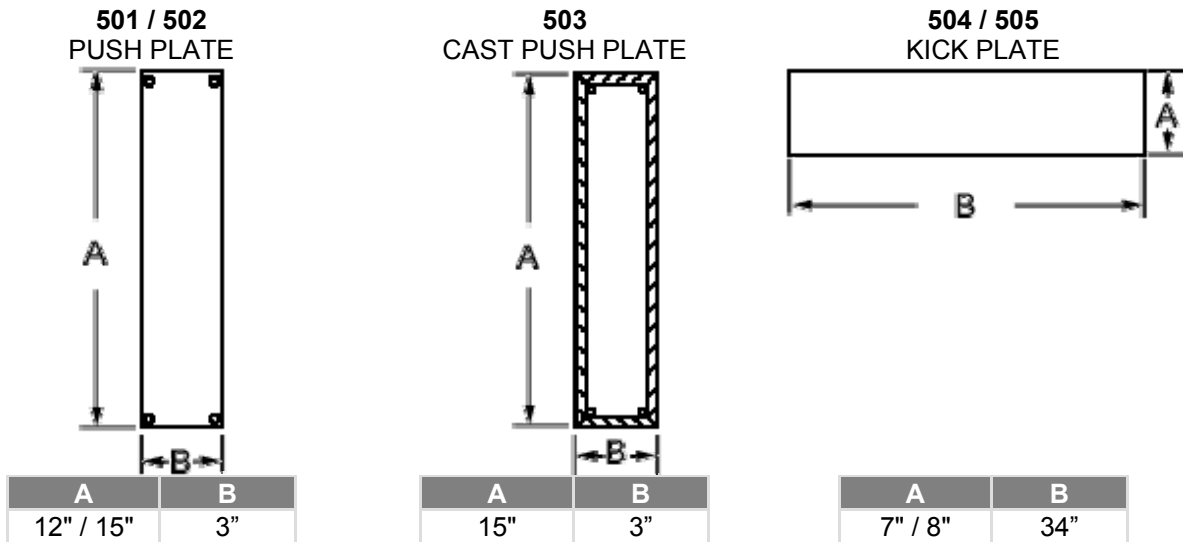
PB = Polished Brass | PS = Polished Stainless | PK = Polished Chrome

1 1/2" Tube = 15 | 2" Tube = 20 | 1/2" Channel = 12 | 3/8" Channel = 38

DOOR HANDLES



PUSH PLATES & KICK PLATES



Part Numbers Formula

Model Number [308] + Material [PB] + Tube Size [20] = 308PB20

Materials and Tube Sizes

PB = Polished Brass | PS = Polished Stainless | PK = Polished Chrome

1 1/2" Tube = 15 | 2" Tube = 20 | 1/2" Channel = 12 | 3/8" Channel = 38

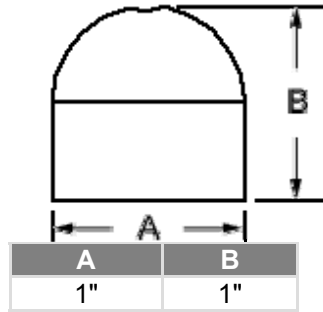
MISCELLANEOUS

910
CURTAIN RING



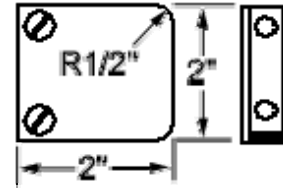
A
2"
1 1/2"
1"

925
TABLE BUMPER



A	B
1"	1"

940 / 941 / 942
GLASS CLIP



940 - 1/4" GLASS
941 - 3/8" GLASS
942 - 1/2" GLASS

911
STEP DOWN SIGN



2" X 7"

912
FAMILY SIGN



2" X 6 1/2"

913
GENTLEMAN SIGN



2" X 7"

914
LADIES SIGN



2" X 7"

915
NONSMOKING SIGN



2" X 13 1/4"

916
SMOKING SIGN



2" X 11 1/2"

917
RESTROOMS SIGN



2" X 7"

Part Numbers Formula

Model Number [308] + Material [PB] + Tube Size [20] = 308PB20

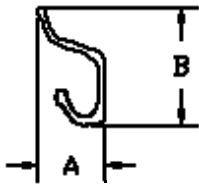
Materials and Tube Sizes

PB = Polished Brass | PS = Polished Stainless | PK = Polished Chrome

1 1/2" Tube = 15 | 2" Tube = 20 | 1/2" Channel = 12 | 3/8" Channel = 38

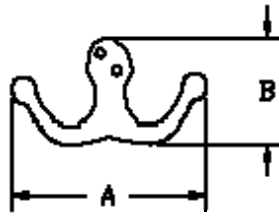
MISCELLANEOUS

971
COAT HOOK



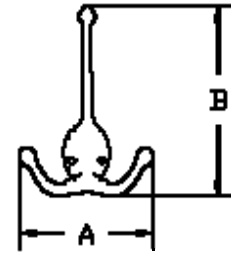
A	B
2 3/4"	3 7/8"

972
COAT HOOK



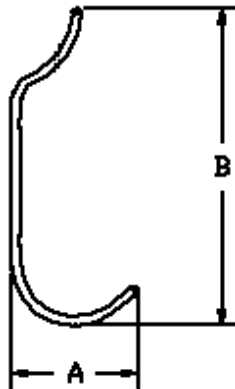
A	B
2 3/4"	1 3/4"

973
COAT HOOK



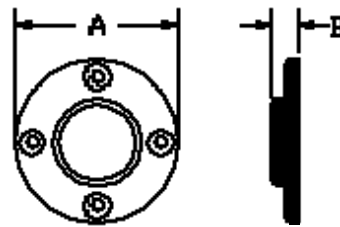
A	B
4"	6"

974
COAT RACK HOOK



A	B
4 1/2"	13"

975
CAST STEEL FLANGE



	A	B
2"	4 1/4"	13/16"
1 1/2"	3 5/8"	7/8"

Part Numbers Formula

Model Number [308] + Material [PB] + Tube Size [20] = 308PB20

Materials and Tube Sizes

PB = Polished Brass | PS = Polished Stainless | PK = Polished Chrome

1 1/2" Tube = 15 | 2" Tube = 20 | 1/2" Channel = 12 | 3/8" Channel = 38

ARCHITECTURAL

701
ROUND BRASS TUBE



702
PAINTED ROUND STEEL



703
STEEL INSERT



704
ROUND BRASS ROD



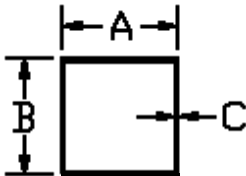
705
BRASS ROPE TUBE



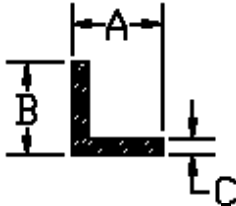
719
POLISHED / STAINLESS
STEEL TUBE



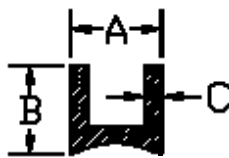
713
SQUARE BRASS
TUBE



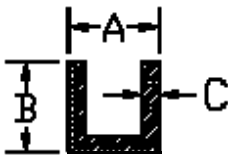
714
ANGLE



715
RADIUS BACK
CHANNEL



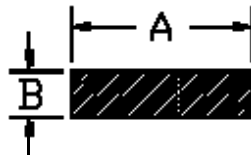
716
FLAT BACK
CHANNEL



717
SQUARE BRASS
ROD



718
FLAT BAR



Part Numbers Formula

Model Number [308] + Material [PB] + Tube Size [20] = 308PB20

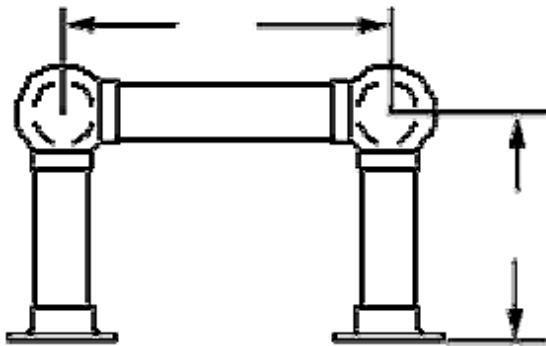
Materials and Tube Sizes

PB = Polished Brass | PS = Polished Stainless | PK = Polished Chrome

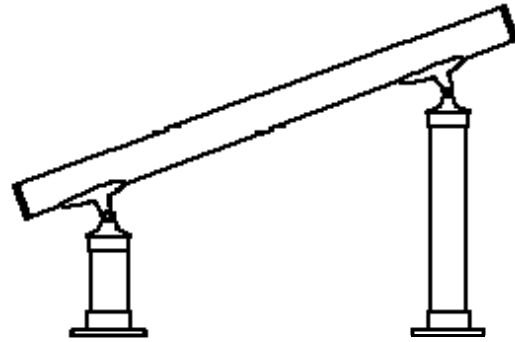
1 1/2" Tube = 15 | 2" Tube = 20 | 1/2" Channel = 12 | 3/8" Channel = 38

MEASUREMENTS & ASSEMBLY

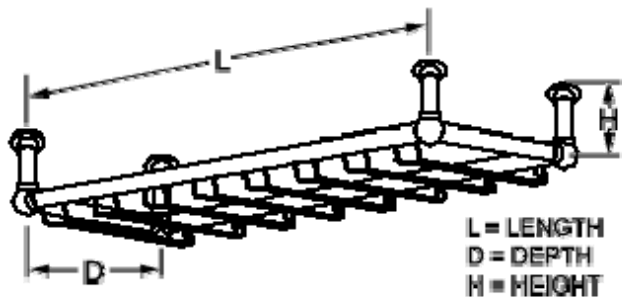
ALL TUBING & FITTING
DIMENSIONS ARE CENTERLINE



VERIFY IF FITTINGS ARE INSIDE OR
OUTSIDE FIT BEFORE CUTTING



GLASS RACKS



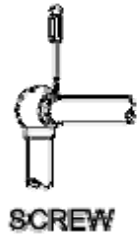
80" IS THE RECOMMENDED HEIGHT FROM
THE FLOOR TO THE BOTTOM OF THE RACK



REMOVE
EXCESS
IMMEDIATELY.



OR



Part Numbers Formula

Model Number [308] + Material [PB] + Tube Size [20] = 308PB20

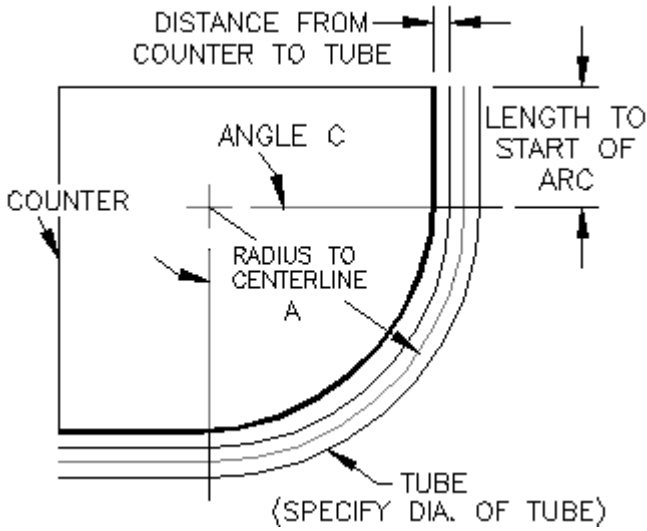
Materials and Tube Sizes

PB = Polished Brass | PS = Polished Stainless | PK = Polished Chrome

1 1/2" Tube = 15 | 2" Tube = 20 | 1/2" Channel = 12 | 3/8" Channel = 38

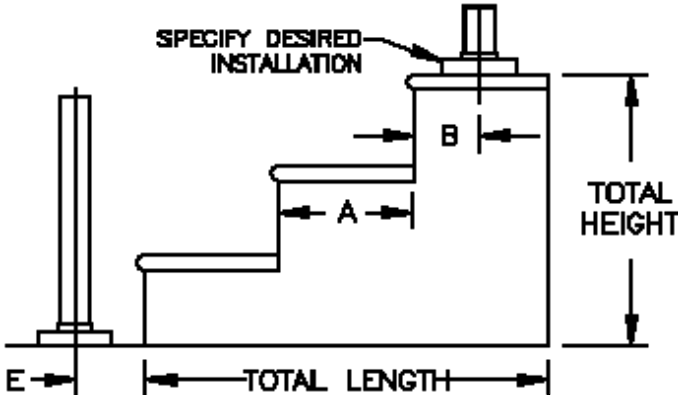
CUSTOM BENDS

TOP VIEW



STAIR RAILS

SIDE VIEW



Part Numbers Formula

Model Number [308] + Material [PB] + Tube Size [20] = 308PB20

Materials and Tube Sizes

PB = Polished Brass | PS = Polished Stainless | PK = Polished Chrome

1 1/2" Tube = 15 | 2" Tube = 20 | 1/2" Channel = 12 | 3/8" Channel = 38