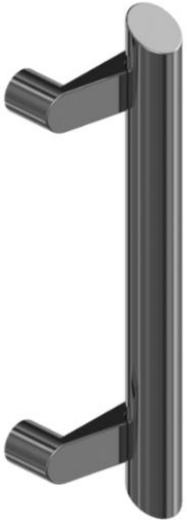
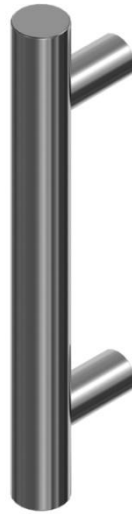


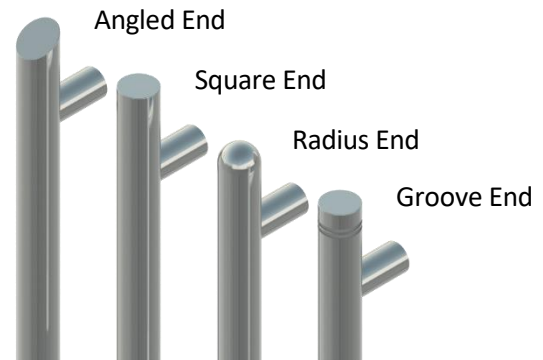
AP436
Offset Ladder Pull
Angled End



AP421
Straight Ladder Pull
Square End



AP400 End Options:



ABOUT THE AP400 SERIES – FORMERLY 1160/1170 SERIES

Trimco's AP400 Series Ladder Pulls add style and sophistication to any opening. A multitude of options enable customization and flexibility to enhance surrounding building aesthetics.

FEATURES

- Manufactured from stainless steel, bronze, brass or aluminum for long lasting durability
- Flexibility in design from straight or offset pulls to square, radius, angled, or groove ends
- 710CU Healthy Hardware[®] Finish available for square end option only
- Wide range of lengths available from 12" to over 9'
- Available in most architectural finishes
- Multiple mounting options for metal, wood and glass doors
- ADA compliant

APPLICATIONS

- Retail & Strip Malls
- Hospitality
- Commercial & Industrial
- Multifamily & Mixed-Use

*Always refer to TrimcoHardware.com for the most up to date documents.



How to Specify and Order:

Family	Description	Mounting Type	* Optional - Concealed Mounting Accessories		Size		Door Thickness	** Optional - Hole Dia. for Glass	Options	Finish
			Overall	CTC						
1" Diameter										
AP411	1" Diameter, Straight Standoffs, Square Ends	E • Thru-Bolt & Finish Washer	12 • 12" 8 • 8"		0 • Custom	A • 3/8"	P • Mid-Post	605 • Polished Brass		
AP412	1" Diameter, Straight Standoffs, Radius Ends	G • Back-to-Back: Threaded Shoulder Bolt & Set Screws	18 • 18" 14 • 14"		** 1 • 3/8" **	B • 1/2"		606 • Satin Brass		
AP413	1" Diameter, Offset Standoffs, Square Ends	J • Concealed: Threaded Shoulder Bolt & Set Screws	24 • 24" 18 • 18"		** 2 • 1/2" **	C • 5/8"	Recommend-	609 • Antique Brass		
AP414	1" Diameter, Offset Standoffs, Radius Ends	* L • Back-to-Back Concealed: Spanner Turning Washer & Stud Washer & Stud	36 • 36" 30 • 30"		3 • 1-3/8"	D • 3/4"	ed for Pulls	612 • Satin Bronze		
AP415	1" Diameter, Straight Standoffs, Angled Ends	* M • Concealed: Spanner Turning Washer & Stud	48 • 48" 42 • 42"		4 • 1-3/4"	E • 7/8"	> 84" OA	613 • Oil Rubbed Bronze		
AP416	1" Diameter, Offset Standoffs, Angled Ends	N • Thru-Bolt with Flow-Thru Button	60 • 60" 54 • 54"		5 • 2"	F • 1"		613E • Oil Rubbed Bronze (equivalent)		
AP417	1" Diameter, Straight Standoffs, Square Groove Ends		72 • 72" 66 • 66"		6 • 2-1/4"			622 • Matte Black		
AP418	1" Diameter, Offset Standoffs, Square Groove Ends		84 • 84" 78 • 78"		7 • 2-1/2"			628 • Satin Anodized Aluminum		
1-1/4" Diameter			96 • 96" 90 • 90"		8 • 3"			629 • Polished Stainless Steel		
AP421	1-1/4" Diameter, Straight Standoffs, Square Ends		Or Specify OA/CTC					630 • Satin Stainless Steel		
AP422	1-1/4" Diameter, Straight Standoffs, Radius Ends							710 • Healthy Hardware, Satin		
AP423	1-1/4" Diameter, Offset Standoffs, Square Ends							316S • 316 Satin Stainless Steel		
AP424	1-1/4" Diameter, Offset Standoffs, Radius Ends							316P • 316 Polished Stainless Steel		
AP425	1-1/4" Diameter, Straight Standoffs, Angled Ends							313 • Satin Anodized Dark Bronze		
AP426	1-1/4" Diameter, Offset Standoffs, Angled Ends							335 • Satin Anodized Black		
AP427	1-1/4" Diameter, Straight Standoffs, Square Groove Ends							710 Healthy Hardware available with Square Ends Only		
AP428	1-1/4" Diameter, Offset Standoffs, Square Groove Ends									
1-1/2" Diameter										
AP431	1-1/2" Diameter, Straight Standoffs, Square Ends									
AP432	1-1/2" Diameter, Straight Standoffs, Radius Ends									
AP433	1-1/2" Diameter, Offset Standoffs, Square Ends									
AP434	1-1/2" Diameter, Offset Standoffs, Radius Ends									
AP435	1-1/2" Diameter, Straight Standoffs, Angled Ends									
AP436	1-1/2" Diameter, Offset Standoffs, Angled Ends									
AP437	1-1/2" Diameter, Straight Standoffs, Square Groove Ends									
AP438	1-1/2" Diameter, Offset Standoffs, Square Groove Ends									
Example										
AP431MR-8478-8-P.629		M	84	78	8				629	
AP431		R								

Notes

- Standard CTC (based on OA): Shorter than 24" is OA less 4" and greater than 24" OA less 6"
- Mid-post is recommended for CTC's of 84" or greater
- Engraving includes standard black infill
- Handing only required for Offset Pulls with Angled Ends
- Specifying Custom Pull Sizes (CTC) –
 - Example 1 • 35" OA, 29" CTC, specify as 3529
 - Example 2 • 11" OA, 7" CTC, specify as 1107
- * For J & M mounting options, specify Riv-Nut for metal doors or bushings for wood doors if required
- ** Glass Door Mounting options for 3/8" & 1/2" door thicknesses require a W-Mount hardware kit