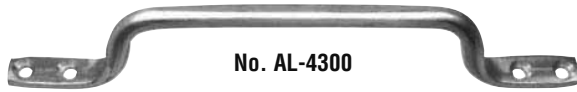
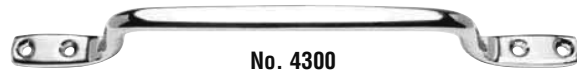


GRAB HANDLES



No. AL-4300



No. 4300

No.	Variations	Weight
4300	Formed steel.	1 lb.
3-4300	Same as 4300 except without holes.	1 lb.
4-4300	Same as 4300 except with (4) 11/32" dia. mounting holes, no countersink.	1 lb.
AL-4300	Same as 4300 except made of aluminum.	.34 lbs.

Other versions available.

Dimensions:

12-15/16"	length overall
7-3/16"	length of grab section
1-5/8"	flat ends (approx.)
7/32"	diameter countersunk holes
2"	rise of handle

Weight: 1 lb.

Finish: Zinc-plated or chrome-plated

No. 16875-52L

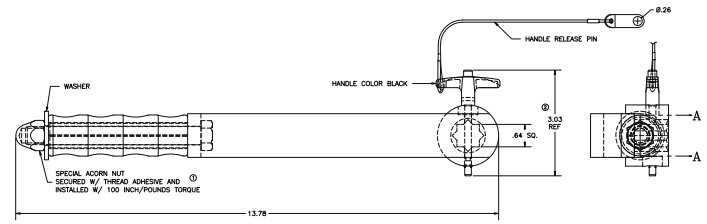
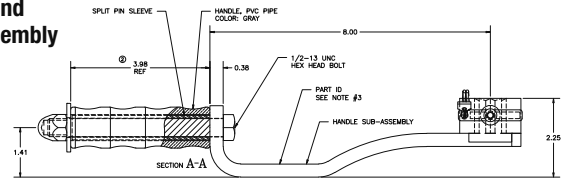
This large grab handle comes with a handle release pin to prevent handle from being separate from application and a .64" square shank. Handle itself is a molded plastic grip which allows for a comfortable grip when actuating.

Weight: 3 lbs.



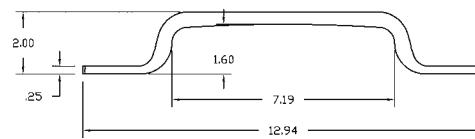
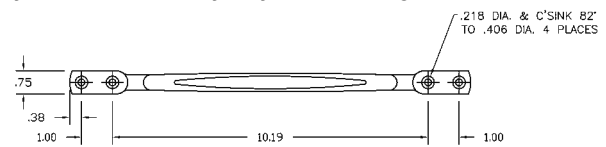
No. AL16875-SS85

Cable and Pin Assembly



No. 4300

Body Grab Handle – Heavy-duty formed steel grab handle.



No. 4302



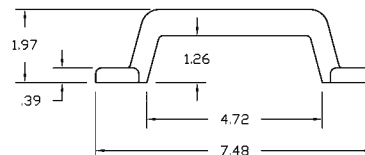
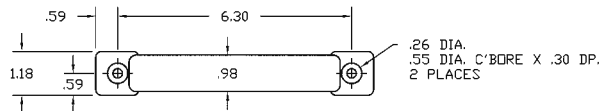
These molded corrosion-resistant polyurethane handles have a stamped steel insert for added strength. Their contemporary styling makes them ideal for roll-up doors, refrigerators and many other uses.

Operating temperature range – 40°F to 175° F

Weight: .30 lbs.

Finish: Black

No. 4302



GRAB HANDLES



No. 4303

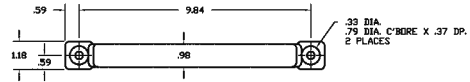
No. 4303

These molded corrosion-resistant polyurethane handles have a stamped steel insert for added strength. Their contemporary styling makes them ideal for roll-up doors, refrigerators and many other uses.

Operating temperature range -40°F to 175°F.

Weight: .39 lbs.

Finish: Black



No. 4304

Pull Handle offers excellent handle clearance and attractive appearance.

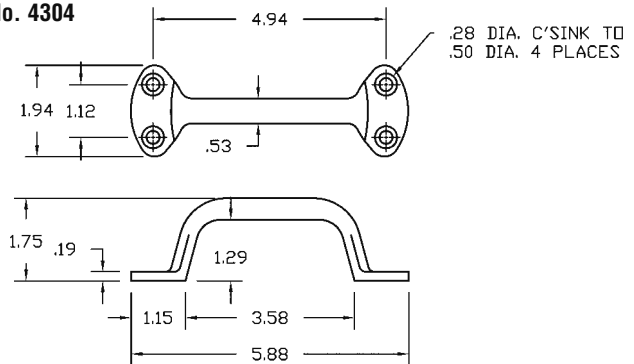
Material:

Zinc die cast

Finish: Polished chrome

Weight: .39 lbs.

No. 4304



Surface Mounting HH-7100 180° swing



Mounting Options

- B No Hole
- H Hole

Available Material

- CR Cold Rolled Steel

Available Finishes*

- ZN Trivalent Clear Chromate
- NI Nickel

*Contact our sales department for non standard finish requirements.

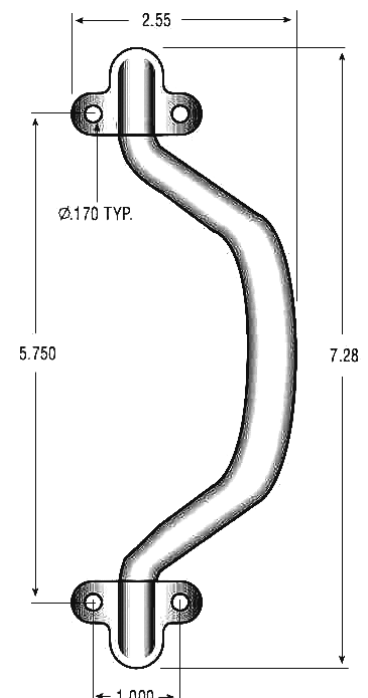
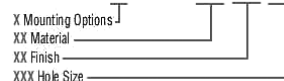
Standard Hole Size

- .170 Dia Hole
- XXX No Holes

Note: Ships Unassembled

Part Number Ordering System

HX-7100-CR-XX-XXX



GRAB HANDLES

ASSIST HANDLES

No. 816 Series

Aluminum assist handle. Made from 1/2" dia. aluminum. 13" overall length, 2" high with 7" grab. Holes drilled and countersunk for 1/4" screws.

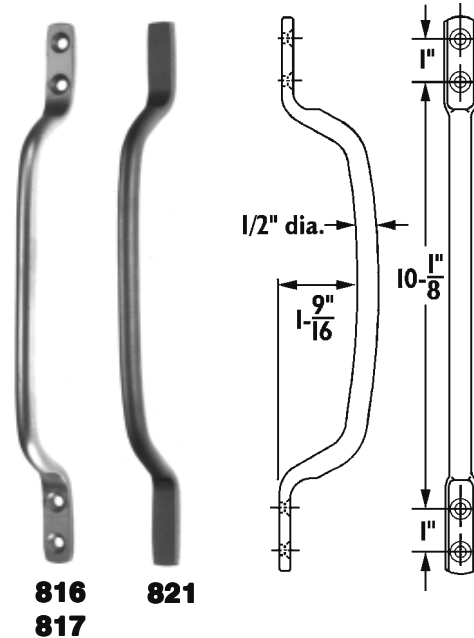
- 816 Plain Finish
816-B Black Vinyl Finish*

No. 817 Series

Steel assist handle. 1/2" dia. steel rod. 13" overall, 2" high with 7" grab. Drilled and countersunk for 1/4" screws. Weight — .8 lbs

Several finishes available as follows:

- 817-B Black Vinyl Finish*
817-C Commercial Chrome Finish Steel
817-DN Duplex Nickel Chrome Finish Steel
817-P Plain Finish Steel
817-SS Polished Stainless Steel
817-Z Zinc Plated Steel
821 Steel—Same as 817-P except supplied without holes for welding.
821-SS Stainless Steel—Same as 817-P except supplied without holes for welding.



816
817

* Note: Black vinyl coated handles are not countersunk.

No. 517

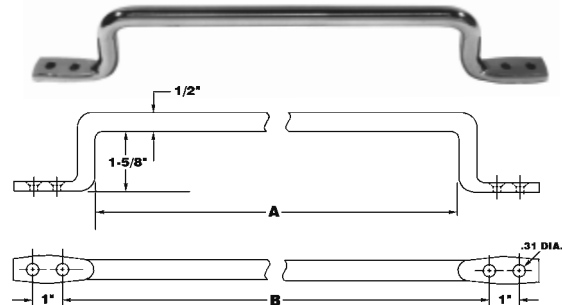
Steel assist handle, has same hole pattern as the 817 handle with squared ends. 1/2" dia. steel rod. Holes are drilled and countersunk for 1/4" screws.

- 517-C Chrome finish
517-DN Duplex nickel chrome finish
517-SS Polished Stainless steel

No. 516

Same as the no. 517 but made from aluminum.

- 516 Plain aluminum
516-001 Plain aluminum (not countersunk)



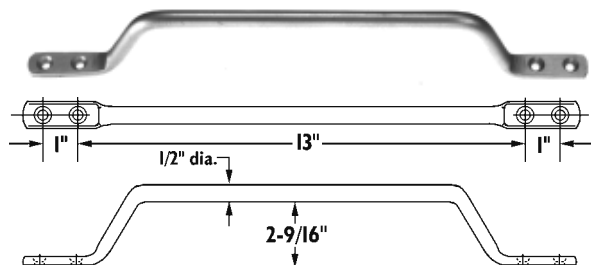
Part No.	A	B
516/517	7-3/4"	10-1/8"
516-001	13"	15-1/4"

No. 819

Steel assist handle, slightly larger than the 817 handle. 1/2" dia. steel rod 16" overall. 3" high with 9" grab. Holes are drilled and countersunk for 1/4" screws.

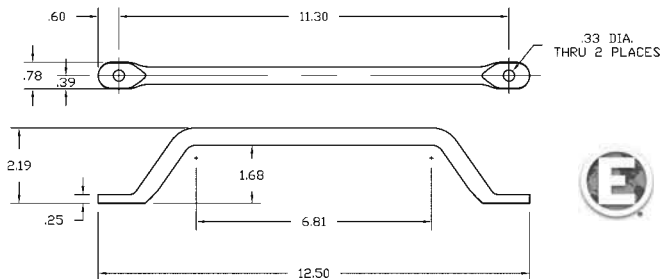
Weight — 1 lb

- 819-C Chrome Finish
819-Z Zinc plated



GRAB HANDLES

No. 2390-A24



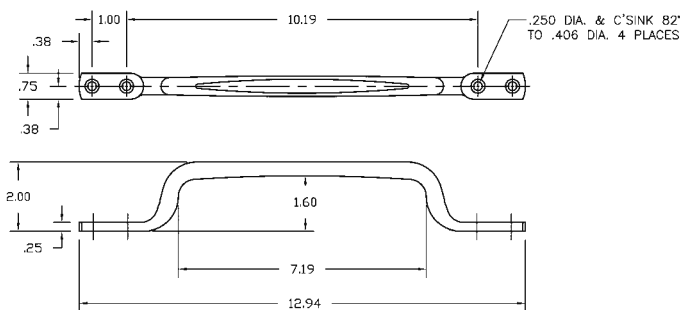
No. 2390-A24

Grab Handle

Furnished in black powder coat finish.



No. AL7-4300



No. AL7-4300

Black Anodized Grab Handle



No. 12378771

Rubber-Coated Grab Handle

HEAVY DUTY ASSIST HANDLE Stainless Steel -- Steel -- Aluminum

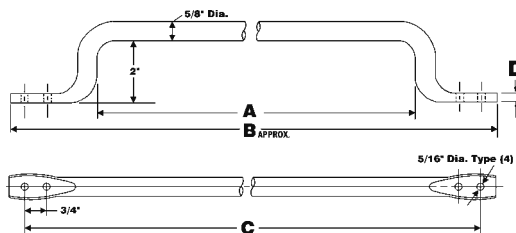
600 SERIES

Heavy duty assist handles made from 5/8" dia. rod. For applications requiring a heavy duty handle. Chrome handles are duplex nickel chrome plated. Stainless handles are polished. Aluminum handles are plain finish.

<u>Part No.</u>	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>
612/612-A/612-SS	12"	17.75"	16.25"	.33"*
618/618-A/618-SS	18"	23.68"	22.75"	.33"*
624/624-A/624-SS	24"	29.75"	28.75"	.33"*
636/636-SS	36.5"	41.68"	40.75"	.33"*

NOTE: Stainless steel handles are made of 16 ga. wall 304 stainless tubing.

* The 'D' dimension on the stainless handle is .140

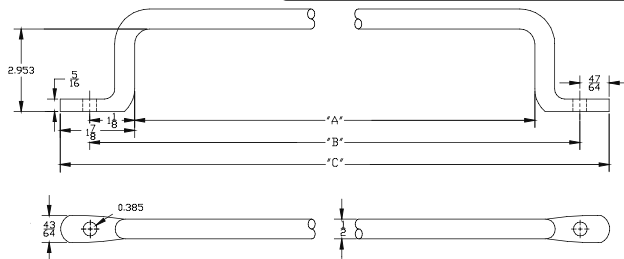


GRAB HANDLES



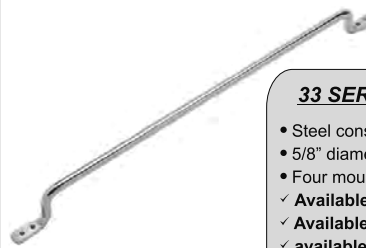
30 SERIES GRAB HANDLE

- Steel construction/zinc finish
- 1/2" diameter
- ✓ Available with/without holes
- ✓ Available in aluminum
- ✓ Available with chrome finish
- ✓ Available with plastisol coating
- ✓ Available in 6, 8, 10, 12 & 14" lengths
- ✓ Available with two or four mounting holes
- ★ Special lengths available please inquire



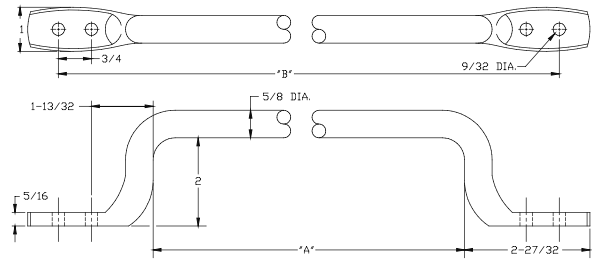
Description	"A"	"B"	"C"
30-6	6	8-1/4	9-5/8
30-8	8	10-1/4	11-5/8
30-10	10	12-1/4	13-5/8
30-12	12	14-1/4	15-5/8
30-14	14	16-1/4	17-5/8

All Dimensions are in inches



33 SERIES GRAB

- Steel construction
- 5/8" diameter
- Four mounting holes
- ✓ Available with chrome finish
- ✓ Available with zinc finish
- ✓ available with/without holes
- ✓ Available in various lengths
- ★ Available in stainless steel 8, 10, 12, 14 only



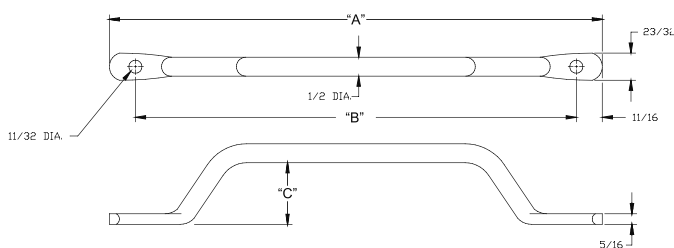
Description	"A"	"B"	Hole Size	Holes Per End
33-8	5	8	11/32	1
33-10	7	10	11/32	1
33-12	9	12	11/32	1
33-14	11	14	11/32	1
33-18	18-1/2	22-3/4	9/32	2
33-24	24-1/2	28-3/4	9/32	2
33-36	36-1/2	40-3/4	9/32	2
33-37	37-5/16	41-9/16	9/32	2

All Dimensions are in inches



31 SERIES GRAB HANDLE

- 1/2" diameter
- ✓ Available in steel construction/zinc finish
- ✓ Available in stainless steel
- ✓ Available in aluminum
- ✓ Available with chrome finish
- ✓ Available with/without holes
- ✓ Available with countersunk holes
- ✓ Available with plastisol coating
- ★ Inquire about optional hole patterns



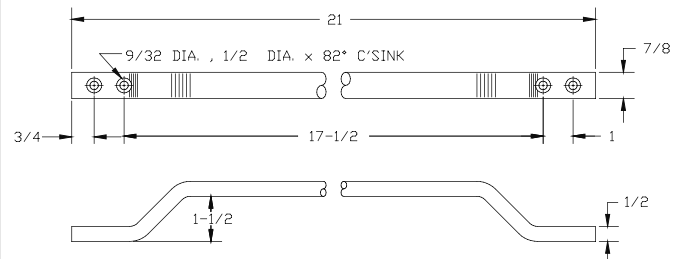
Description	"A"	"B"	"C"
31-6	11	9 5/8	1 11/16
31-8	13	11 5/8	1 5/8

All Dimensions are in inches



34 SERIES GRAB

- Aluminum construction
- 9/32" diameter mounting holes, countersunk
- ✓ Available with plain finish
- ✓ Available with anodized finish
- ★ Optional lengths available, please inquire



GRAB HANDLES

STAINLESS STEEL RAIL - 3/4 INCH KNURLED®

Patent Pending



Brief Description: This formed rail provides a knurled texture to prevent hand slippage
Materials: Stainless Steel (304) tubing
For Use On: Emergency Vehicles, Buses, Heavy Truck, Utility Vehicles, Service Bodies, RTV's

HKN06SSPL-14	14" Formed 3/4 Knurled Grab Handle
HKN066SSPL-18	18" Formed 3/4 Knurled Grab Handle
HKN066SSPL-24	24" Formed 3/4 Knurled Grab Handle
HKN066SSPL-30	30" Formed 3/4 Knurled Grab Handle

1 1/8 INCH ALUMINUM ANTI-SLIP®

Patent Pending



Brief Description: This aluminum product is offered with formed mounting feet, and features a rubber insert to prevent hand slippage.
Materials: Aluminum Extrusion, Polished and Bright Anodized
Use With: Custom Foot gaskets
For Use On: Emergency Vehicles, Buses, Heavy Truck, Utility Vehicles, Service Bodies

HUR09ALAN-18	18" Formed 1 1/8 Anti-Slip Grip
HUR09ALAN-19	24" Formed 1 1/8 Anti-Slip
HUR09ALAN-30	30" Formed 1 1/8 Anti-Slip

4000 ANTI-SLIP RAIL

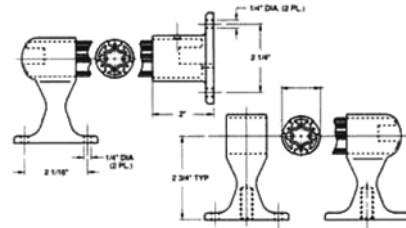


LED Light Version Available

Extruded polished aluminum tube with rubber inserts providing maximum gripping ability. Custom lengths available.

Materials: Aluminum (Bright Anodized) and EPDM
Length: 4', 6', 8', 10', 12'
Available With: Custom Lengths with Gaskets

CR383036	S4000 Rail by the Inch
-----------------	------------------------



4000 STANCHION SERIES II

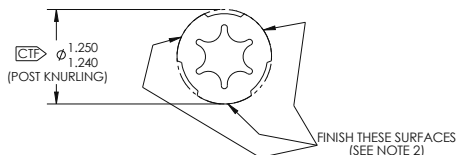


Weep-hole and ramp design assures maximum water egress. Same appearance, strength and quality as current stanchion. Easily fits all Hansen grab rails including the 4000 Series Anti-Slip and the Lit Anti-Slip Rail™ Locking.

Materials: Zinc with Chrome Finish

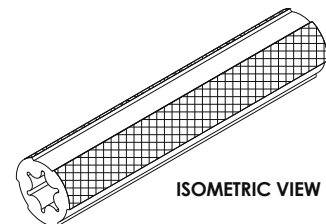
HA4000CHR	End Straight
HA4000CTR	Center Straight
HAI283157	End Angled Right Hand
HAI28315	End Angled Left Hand
HA4000E	Elbow
HA4000T	"T"

No. HAIAL026

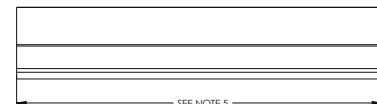


NOTES:

1. MATERIAL: ALUMINUM 6463-T6 ALLOY
2. FINISH: RECESSED CHANNELS TO BE MILL
THREE RAISED SURFACES TO BE DIAMOND OR CROSS CUT KNURLED AT 10 T.P.I. (SEE ISOMETRIC VIEW)
PART TO BE CLEAR ANODIZED PER AA-M22-C31-A21 OR EQUIVALENT
3. RAIL TWIST: 1° PER FOOT MAXIMUM
4. RAIL STRAIGHTNESS: .0125" PER FOOT MAXIMUM DEVIATION
5. PART TO BE TRIMMED TO 12 FT LENGTH POST KNURLING
(6" REQUIRED FOR CHUCK DURING KNURLING)



ISOMETRIC VIEW



SEE NOTE 5

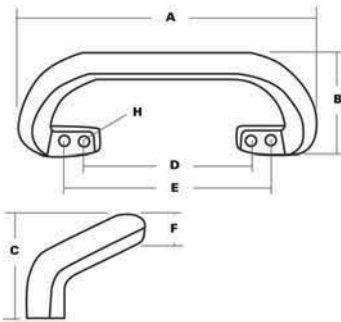
GRAB HANDLES



9/01725
Grab rail

ORDERING CODE

9/01725	300mm grab rail-black
9/01725/01	300mm grab rail-red to RAL3020
9/01725/02	300mm grab rail, blue/grey
9/01725/03	300mm grab rail, yellow, RAL 1021



SPECIFICATION

A.	Body Length.....	300mm
B.	Body Width.....	102mm
C.	Body Height.....	75mm
D.	Hole centres.....	165mm
E.	Hole centres.....	213mm
F.	Cross section.....	25mm
H.	Hole sizes (core).....	7mm
		10 mm steel reinforcement core

Plug diameter 15mm accepting bolts to 12mm head diameter x 7mm shank.
Plug ref. 5/00538 (specify colour).

NOTE: Rigid steel core means that handle cannot be 'flexed' to accommodate deviations in fixing holes.

'FOAMED' STEEL-CORED GRAB RAIL 300mm

Moulded in expanded polyurethane foam, this handle has a soft, resilient surface and no sharp edges, while the steel core provides strength and rigidity. This modern design replaces traditional steel stanchion rails, and ensures safety and comfort when used as a grab, or entry-assist rail.

Soft, padded surface. No sharp edges, for maximum safety. Triangular section for good grip. Mounting holes concealed by 'snap-in' plugs.

Attractive, textured finish. Standard colours are black, red and yellow. Other colours can be moulded subject to batch-quantity requirements.

Fixing by bolting through four holes in steel core. Handle cannot be 'flexed'.

Moulded in expanded polyurethane foam around solid, 10mm steel rod. Meets EC 95/28/CE regulations for combustibility (less than 100mm per minute).

This handle is a direct alternative to Happich 930 0000.

LOAD TESTING:

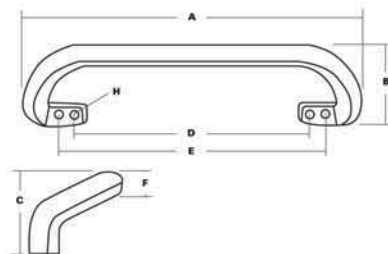
Tests carried out by an independent proof house gave following results:

Parallel to fixing, load 3.70 Kilo-Newtons (377Kg) before distortion.

Vertical to fixing, load 3.56 Kilo-Newtons (363Kg) before distortion. With ultimate strength over 1 tonne we recommend a safe working load of 250Kg (550lbs) max.

ORDERING CODE

9/01226	475mm grab rail, black
9/01226/01	475mm grab rail, red, RAL 3020
9/01226/03	475mm grab rail, yellow, RAL 1021



SPECIFICATION

A.	Body Length.....	475mm
B.	Body Width.....	90mm
C.	Body Height.....	75mm
D.	Hole centres.....	327mm
E.	Hole centres.....	375mm
F.	Cross section.....	33mm
H.	Hole sizes (core).....	7mm
		10 mm steel rod reinforcement core

'FOAMED' STEEL-CORED GRAB RAIL 475mm

This model meets the requirement for an entry-assist rail with extended length of grip for use with entry steps on buses and coaches, or for high cabs and trucks. It is made in solid 10mm steel rod to achieve maximum strength without 'flexing'.

GRAB HANDLES



9/01228

Hand-hold in 'forward' mode, suitable for gantries, platforms, high-access doors, as a grab for standing passengers, machine covers and roller-shutters.

'FOAMED' STEEL-CORED 'HAND-HOLD' 150mm

This unique design complements our range of larger "foamed" grab rails, but is suited to more restricted spaces. It makes an ideal alternative to traditional "6-inch" pulls, with textured, resilient surface, great strength, and a shape that lends itself to fixing in several modes as illustrated.

Resilient, padded surface. No sharp edges, for maximum safety. Triangular section for good grip. Mounting holes concealed by 'snap-in' plugs.

Attractive, textured finish. Standard colours are black and red, other colours can be moulded subject to batch-quantity requirements.

Fixing by bolting through holes in top rail (through steel core).

Moulded in expanded polyurethane foam around welded steel former (core). Meets EC 95/28/CE regulation for combustibility (less than 100mm per minute).

LOAD TESTING:

The handle was tested to destruction, with the following results:

Parallel to axis fixing, max load 14.84 Kilo-Newtons (1.51 tonnes)

Vertical to fixing, max load 13.77 Kilo-Newtons (1.4 tonnes)

With Ultimate strength over 1 tonne we recommend a safe working load of 500Kg (1100lbs) max.

ORDERING CODE

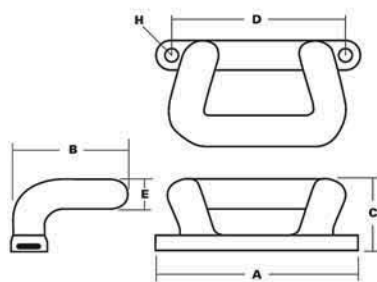
9/01228	Hand-hold, black
9/01228/01	Hand-hold, red RAL3020

SPECIFICATION

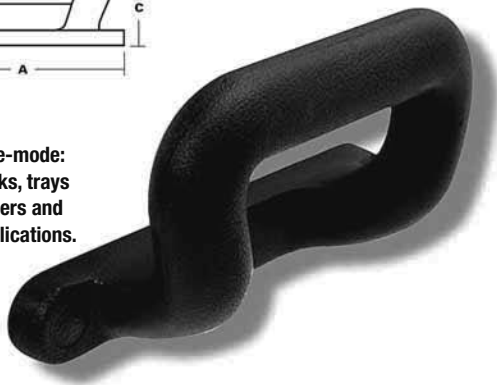
A.	Body Length.....	175mm
B.	Body Width.....	100mm
C.	Body Height.....	66mm
D.	Hole centres.....	151mm
E.	Cross section.....	25mm
H.	Hole sizes (core).....	7mm
	10 mm steel rod reinforcement core	

Plug diameter 15mm accepting bolts to 12mm head diameter x 7mm shank.

Plug ref. 5/00538 (specify colour)



Hand-hold in reverse-mode: suitable for seat backs, trays and containers, trailers and caravans, marine applications.



GRAB HANDLES



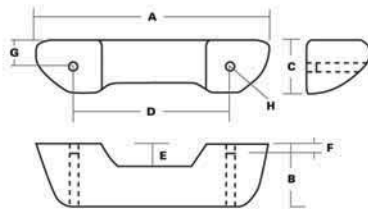
9/01227
Armrest

UNIVERSAL ARMREST/ GRAB HANDLE

A plant-on, non-'handed' design, this armrest will enhance driver comfort and assist with door closure in almost any cab. With fixing holes normal to the base, and a soft, padded surface the armrest will suit most vehicles, from 'kit' cars to specialist commercial and off-road models.

ORDERING CODE

9/01227	Universal arm rest, black
---------	---------------------------



SPECIFICATION

A. Body Length.....	222mm
B. Body Width.....	60mm
C. Body Height.....	50mm
D. Hole centres.....	148mm
E. Grip width.....	24mm
F. Fixing boss.....	8mm
G. Location.....	25mm
H. Hole sizes.....	6.5mm

Non-'handed' for universal fitting. Soft, padded surface for driver comfort.

Fixing holes normal (90°) to panel face, and below 'line of sight' for good visual appearance.

Black, textured finish.

High-density polyurethane foam around rigid steel 'former'.

Meets EC 95/28/CE regulation for combustibility (less than 100mm per minute).

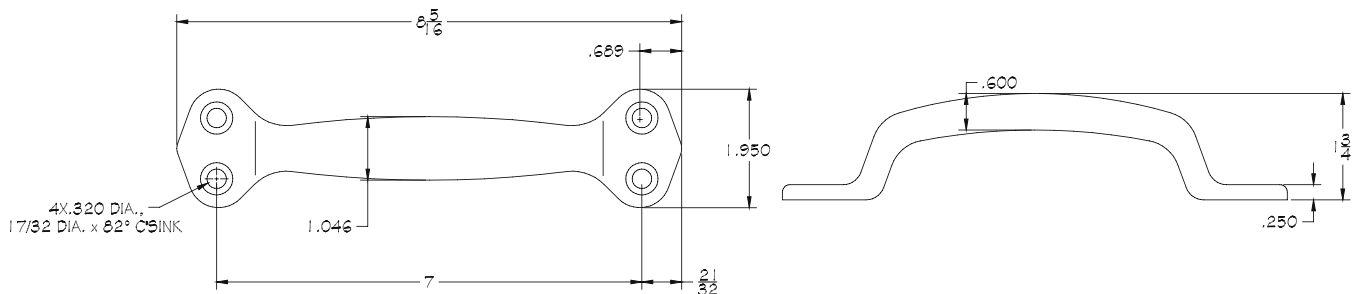


3200 DIE CAST GRAB HANDLE

- Zinc die cast construction
- 4 countersunk holes
- ✓ Available with powder coat finish

SW-3200 STAMPED GRAB HANDLE

- Steel construction
- 4 countersunk holes
- ✓ Available in stainless steel, polished or plain
- ✓ Available with zinc finish
- ✓ Available with chrome finish

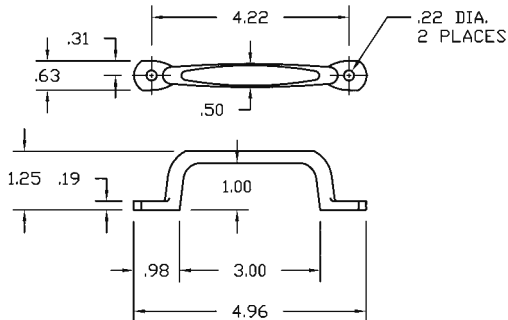


Industrial Hardware Distributors, Inc.

620 Spicer St., Akron, OH 44311 • 800.824.1864 | 3415 S.W. 6th St., Ocala, FL 34474 • 800.682.8900
www.industrialhwe.com

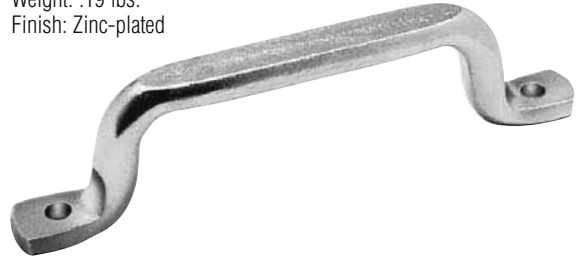
GRAB HANDLES

No. 9611



No. 9611 Formed Steel Handle

Weight: .19 lbs.
Finish: Zinc-plated



No. 1-9611 .375 dia. holes

No. ST482-3 – 6-1/2"x1-3/4" No.3 Zinc Plated(2C) Door Pull



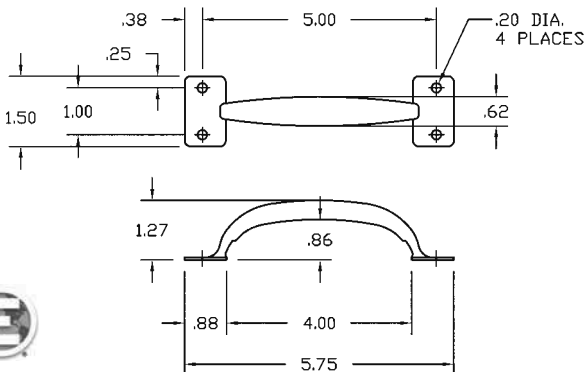
Product Details:

Length	6-1/2", 165.1mm
Width	1-3/4", 44.45mm
Class	SP482
Finish	2C
Finish Description	Zinc Plated
Grip Length	4-1/2"

Features and Benefits:

- Ideal for use on screen, shed and barn doors
- Comfort and appearance is enhanced by rounded contour of handle
- NH482 comes without holes and flattened ends for welding
- Grip length: No.1 3-11/32", No.2 4", No.3 4-1/2", No.4 5-5/16"

No. 349F248 Formed Steel Handle



No. 349F248 Formed Steel Handle

(4) 13/64" dia. mounting holes.



Overall Size: 1-1/2" x 5-3/4"
Width Base: 7/8"
Projection: 1-1/4"
Clearance: 7/8"
Steel

Weight: .13 lbs.
Finish: Plain or zinc-plated

No. 349F258

No mounting holes



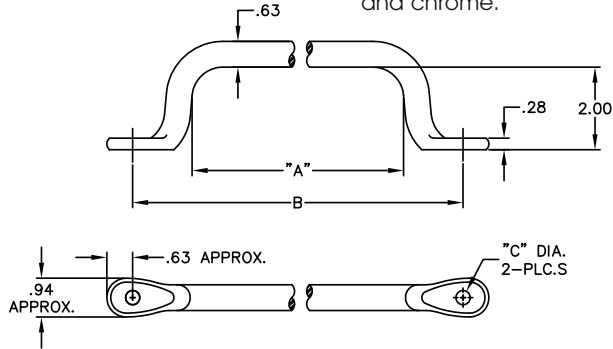
GRAB HANDLES

ACCESS HANDLES

2399 SERIES

2399 series

Handles for trailer, utility and commercial vehicles. Available in plain, zinc, and chrome.

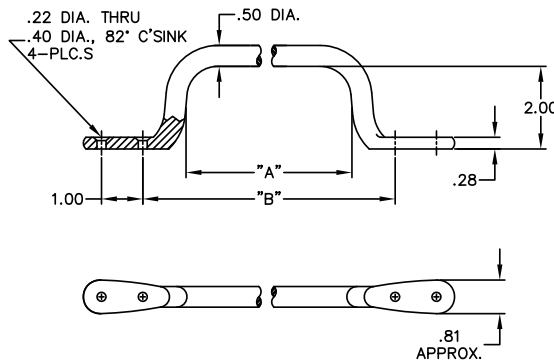


PART NO.	A	B	C
2399-A	5.12	8.00	.34
2399-B	7.12	10.00	.34
2399-C	9.12	12.00	.34
2399-D	11.00	14.00	.41

2399 1/2

2399 1/2 Series, Handles

Available in aluminum, carbon and stainless steel. Standard finishes are plain, zinc and chrome. Anodized or polished finish available for the aluminum and stainless handles.

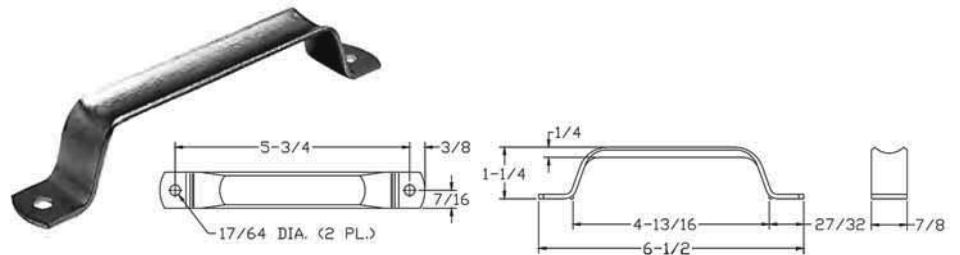


Note: optional hole sizes of 9/32" diameter and 11/32" diameter standard hole size 7/32".

PART NO.	A	B
2399-1/2-A	6	8.13
2399-1/2-B	8	10.13
2399-1/2-C	10	12.13
2399-1/2-D	12	14.13

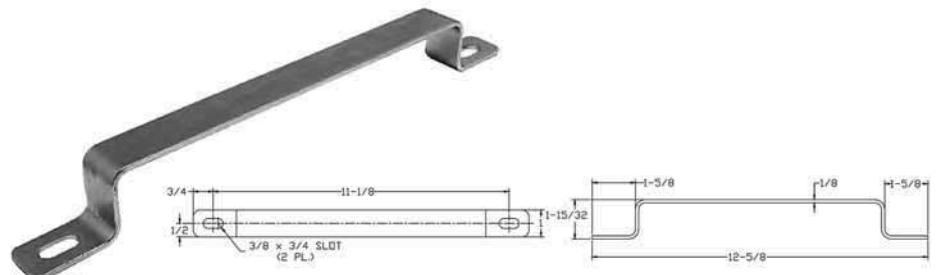
4-FG FLAT MINI GRAB HANDLE

- Steel construction/zinc finish
- ✓ Available in stainless steel
- ✓ Available with powder coat finish



9-FG FLAT MINI GRAB HANDLE

- Steel construction/plain finish
- Slotted holes
- ✓ Available with powder coat finish
- ✓ Available with zinc finish
- ✓ Available in stainless steel



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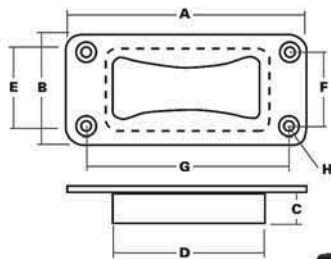
GRAB HANDLES



9/01390
Grab Handle

ORDERING CODE

9/01390	Recess grab handle, moulded
9/01391	Recess grab handle, diecast



SPECIFICATION

A.	Length (outer)	133mm
B.	Width (outer)	60mm
C.	Depth	21mm
D.	Length (inner)	95mm
E.	Width (inner)	45mm
F.	Hole centres	41mm
G.	Hole centres	114mm
H.	Hole sizes (diameter)	6mm, c/s 10mm

Note: Because of construction detail, there are projections on dimension 'D' to 115mm on diecast model.

DOUBLE-SIDED FLUSH-FIT GRAB HANDLES

This design is available in both diecast and moulded construction. It is completely flush-fitting and easy to fix into panel aperture. The shaped edges allow easy action with roller shutters and sliding doors. Use the diecast version when handle is used to lift heavy equipment.

Diecast handle is black powder-coated, moulded handle has textured finish.

Diecast in zinc alloy, or moulded in glass-filled nylon with top and bottom plates ultrasonically welded together.

WINDOW-PULL HANDLE (CONCEALED-FIX)

This useful handle is used for pull-open windows in buses and coaches, and similar applications. It is fitted to the inside of the glass and is held by two bolts from outside, secured into hidden nuts contained in 'pockets' within the handle.

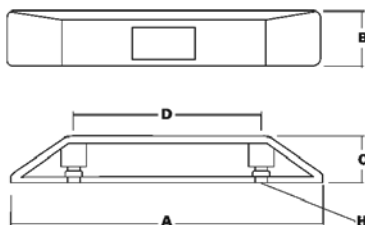
Note: Some restrictions on availability may apply.

Secure from outside through two holes in base of handle, into 11mm 'nut pockets'

Moulded in high-impact ABS with fine textured finish.

ORDERING CODE

9/01388	Window-pull handle
---------	--------------------



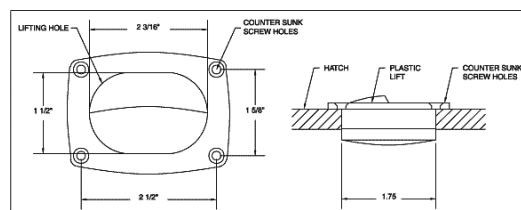
(view from beneath)

SPECIFICATION

A.	Length	200mm
B.	Width (max)	35mm
C.	Depth	30mm
D.	Hole centres	120mm
H.	Hole sizes (dia)	8mm

Note: Nut 'pockets' are 11 mm max. width

LR 400 Plastic Lift



Available Colors: Black, Tan, Gray, Stone, Platinum and Magnolia. Also available in White.

The low profile design includes counter sunk fastener openings and low rounded edges. Features that eliminate line snags and trip hazards.

GRAB HANDLES



SPECIFICATION

A. Length (1/30357)	173mm
A1. Length (9/02357)	203mm
B. Hole centres (1/30357)	140mm
B1. Hole centres (9/02357)	170mm
C. Width.....	30mm
D. Height	38mm
H. Hole sizes.....	5 x 8mm
within recess	10 x 13mm

ORDERING CODE

1/30357	Grab handle, black, 173mm
1/30357/02	Grab handle, white (RAL 9016)
9/02357	Grab handle, black, 203mm

PHYSICAL PROPERTIES OF POLYPROPYLENE

Izod impact strength at 23°C	9.5 kJ/m²
Embrittlement temperature	-20°C
Heat distortion temperature (4.6kg/cm²)	95°C
Melting range	165 - 175°C
Burning rate (3mm) thickness	23mm/minute
UL94 Flammability rating	UL94HB
Resistance to ultraviolet light	After long exposure, some loss of pigment but no detrimental effect on strength

EXTERNAL-FIX GRAB HANDLES with 'snap-shut' trim panels

NOW IN TWO SIZES!

Two useful grab handles, with integral 'snap-shut' panels to conceal fixing holes. Resilient, strong, with no sharp edges, they suit both inside and outside applications, such as vehicle seat-backs, cabinets, carrying-cases, etc.

Strong, lightweight, attractive.

Plant-on fixing, secured with bolts into slotted holes, integral cover panels.

Textured finish, normal colours black, white and blue/grey. Other colours to special request.

LOAD TESTING: ON 1/30357:

Tests carried out by an independent proof house gave following results (at 15°C).

Parallel to fixing: Max load 3.00 Kilo-Newtons (306kg) before handle pulled away from bolts.

Vertical to fixing: Max load 1.24 Kilo-Newtons (126kg) before handle pulled away from bolts.

With ultimate strength over 300Kg we recommend a safe working load of 100Kg (220lbs) max.

1-1/8" Bright Brass (3) Round Cabinet Knob – 803020



- Finely finished solid brass round cabinet knob
- For cabinet doors or drawers up to 3/4" thick
- Lacquered to resist tarnishing

Product Details

Length.....	1-1/8", 28.58mm
Class.....	CD4471
Door Thickness (Max.)	3/4
Finish	3
Finish Description	Bright Brass

4" Satin Chromium Plated (26D) Cabinet Pull – 348315



- For cabinet doors or drawers
- Made of solid brass, in popular finishes or in solid aluminum
- 1" (25.4 mm) Finger clearance on all items. Projects 1-5/16" (33.2 mm)
- Referred to as "wire" pulls
- Very acceptable as pulls for bifold doors

- Can be used on slide doors when bumper stops are employed
- Diameter is 5/16" (7.9 mm)

Product Details

Length.....	4", 101.6mm
Class.....	4484
Finish.....	26D
Finish Description	Satin Chromium Plated
Projection.....	1-5/16

4" Satin Aluminum Metal (27) Cabinet Pull – 348311



Product Details

Length.....	4", 101.6mm
Class.....	4484
Finish.....	27
Finish Description	Satin Aluminum Metal
Projection.....	1-5/16

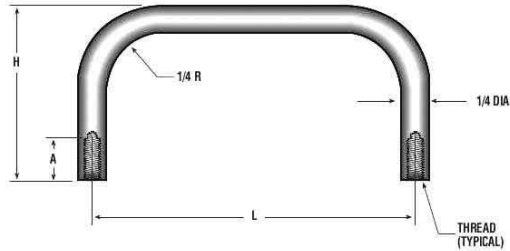
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GRAB HANDLES

Electronic Handles

1/4 Round Handles - Internal Threads



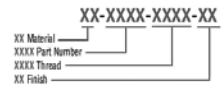
Part No.	L ± 1/64	H ± 1/32
2500	1-1/8	1"
2501	1-1/4	1"
2502	1-1/2	1"
2503	1-3/4	1"
2504	2"	1"
2505	2-1/4	1"
2506	2-1/2	1"
2507	2-3/4	1"
2508	3"	1"
2509	4"	1"
2510	5"	1"
2511	1-1/2	1-1/4
2512	1-3/4	1-1/4
2513	2"	1-1/4
2514	2-1/4	1-1/4
2515	2-1/2	1-1/4
2516	2-3/4	1-1/4
2517	3"	1-1/4
2518	4"	1-1/4
2519	4-1/2	1-1/4
2520	5"	1-1/4

Part No.	L ± 1/64	H ± 1/32
2521	1-1/4	1-1/2
2522	1-1/2	1-1/2
2523	1-3/4	1-1/2
2524	2"	1-1/2
2525	2-1/4	1-1/2
2526	2-1/2	1-1/2
2527	2-3/4	1-1/2
2528	3"	1-1/2
2529	3-1/2	1-1/2
2530	4"	1-1/2
2531	4-1/4	1-1/2
2532	4-1/2	1-1/2
2533	4-9/16	1-1/2
2534	4-3/4	1-1/2
2535	5"	1-1/2
2536	6"	1-1/2
2537	6-7/16	1-1/2
2538	3"	2"
2539	4"	2"
2540	5"	2"
2541	6"	2"

Material	Code
Aluminum	AL
Brass	BR

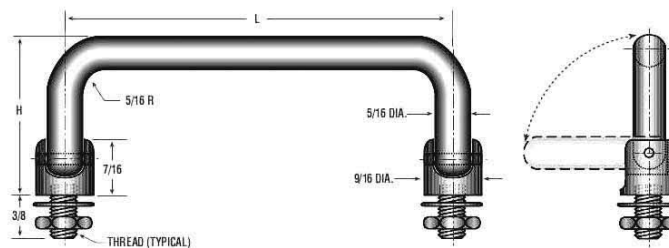
Thread Code & Depth		
Thread	Code	A
6-32	0632	3/8
8-32	0832	3/8-9/16

Part Number Ordering System



Electronic Handles

5/16 Round Handles - External Threads - 90° Free Fall



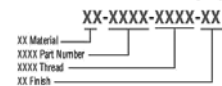
Part No.	L ± 1/64	H ± 1/32
3250	3"	1.531
3251	3-1/2	1.531
3252	4"	1.531
3253	4-1/4	1.531
3254	4-1/2	1.531
3255	5"	1.531
3256	6"	1.531
3257	3"	1.810
3258	3-1/2	1.810
3259	4"	1.810
3260	4-1/4	1.810
3261	4-1/2	1.810
3262	5"	1.810
3263	6"	1.810

Nuts and washers supplied.

Material	Code
Aluminum	AL
Brass	BR

Thread Code	
Thread	Code
5/16-24	3124
3/8-24	3724

Part Number Ordering System



GRAB HANDLES

Surface Mounting

HH-1121

90° positive stop w/ return spring

Available Material

- CR Cold Rolled Steel

Available Finishes*

- ZN Trivalent Clear Chromate
- BR Brass
- CN Chrome

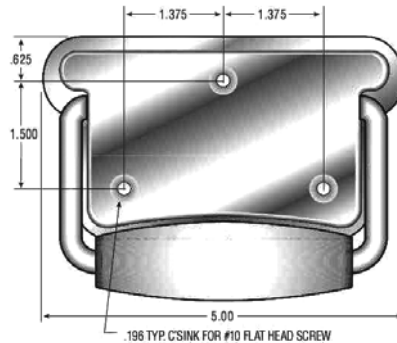
*Contact our sales department for non standard finish requirements.

Standard Grip

- Formed Oval Steel

Standard Hole Size

- .196 Dia Hole



FORMED OVAL STEEL GRIP

Part Number Ordering System

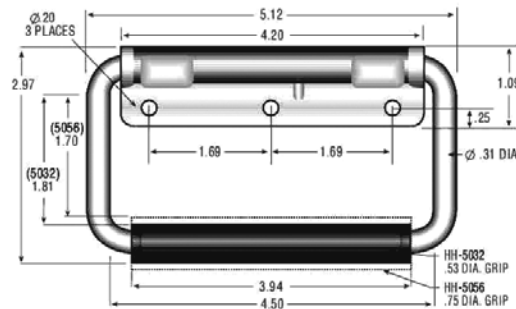
HH-1121-CR-XX-196

X Mounting Options
XX Material
XX Finish
XXX Hole Size

Surface Mounting

HH-5032/HH-5056

90° positive stop w/ return spring



Available Material

- CR Cold Rolled Steel
- SS 300 Series Stainless Steel

Available Finishes*

- ZN Trivalent Clear Chromate
- PS Passivate
- QQ Black Paint

*Contact our sales department for non standard finish requirements.

Standard Grip

- Black Neoprene

Part Number Ordering System

HH-50XX-XX-XX-200

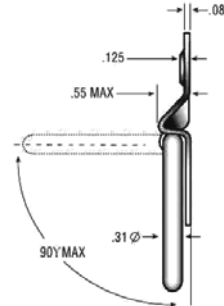
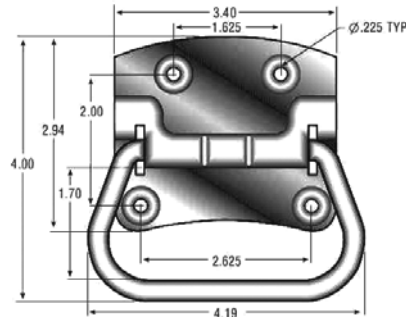
X Mounting Options
XX Material
XX Finish
XXX Hole Size

GRAB HANDLES

Surface Mounting

HH-5115

90° positive stop no return spring



Available Material

■ CR Cold Rolled Steel

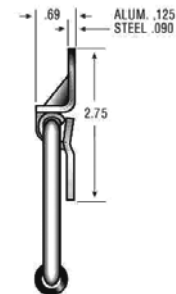
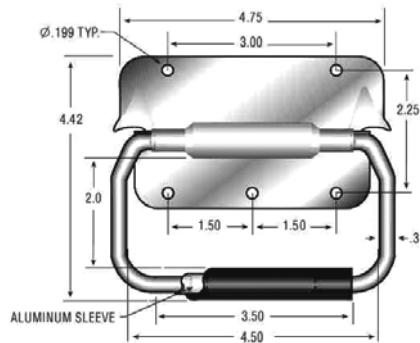
Available Finishes

- ZN Trivalent Clear Chromate
- NI Nickel
- QQ Black Paint

Surface Mounting

HH-9450

90° positive stop w/ return spring



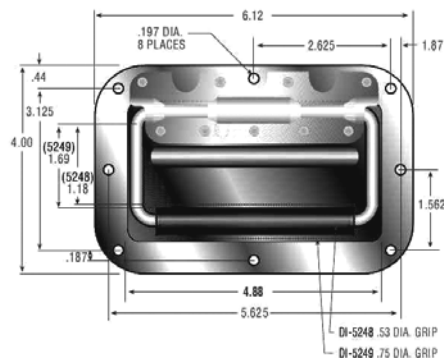
Available Material

- CR Cold Rolled Steel
- AL Aluminum
- SS 300 Series Stainless Steel

Recessed Mounting

DI-5248/DI-5249

90° positive stop w/ return spring



Mounts into 3.10 x 5.20 opening

Available Material

■ CR Cold Rolled Steel

Available Finishes

- ZN Trivalent Clear Chromate
- QQ Black Paint

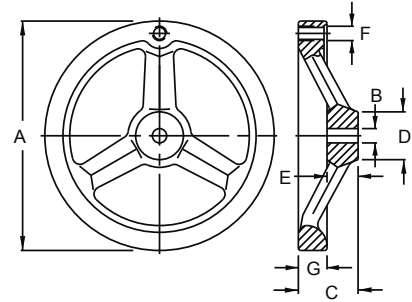
GRAB HANDLES

A1 Offset Square Rim Handwheels

Material: Cast Iron

Finish: Bright Chrome Plated

1. This high-quality cast iron hand wheel is bright chrome plated. The wheel is engineered with three offset spokes, and has a square outside rim to enhance the appearance.
2. Comes in two types: one with threaded hole for the handle (Style A), one without (Style B).



Handwheel Without Handle

Part No.	A	B	C	D	E	F	G
A1-4AC A1-4BC	4	3/8	1-1/4	7/8	3/4	1/4-20	9/16
A1-5AC A1-5BC	5	3/8	1-7/16	1-1/8	3/4	5-16/18	5/8
A1-6AC A1-6BC	6-1/4	1/2	1-9/16	1-1/4	13/16	3/8-16	3/4
A1-8AC A1-8BC	8	5/8	1-3/4	1-7/16	1"	3/8-16	25/32
A1-10AC A1-10BC	10	5/8	2	1-3/4	1-3/16	1/2-13	7/8
A1-12AC A1-12BC	12-5/8	3/4	2-5/32	2-3/16	1-1/4	1/2-13	15/16
A1-16AC A1-16BC	15-3/8	3/4	2-1/8	2-1/2	1-1/2	1/2-13	1-1/8

Handwheel With Handle

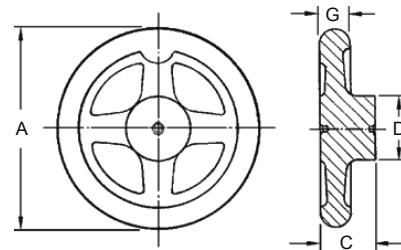
Part No.	Fixed	Revolving	Handle Length
A1-4F A1-4R	B1-28	B2-28	2
A1-5F A1-5R	B1-33	B2-33	2-1/2
A1-6F A1-6R	B1-39	B2-39	3-1/4
A1-8F A1-8R	B1-39	B2-39	3-1/4
A1-10F A1-10R	B1-53	B2-53	4
A1-12F A1-12R	B1-53	B2-53	4
A1-16F A1-16R	B1-53	B2-53	4

A3 Econo Handwheels

Material: Cast Iron

Finish: Chrome Plated

1. An economical, yet well-made hand wheel. Comes with round machined rim. Polished and chrome plated.
2. The hub is center drilled for easy modification. All unmachined surfaces are tumbled smooth.



Chrome plated, machined rim with 1/8" pilot drilled on hub center.

Part No.	A	C	D	G
A3-3	3	1-1/16	1"	5/8
A3-4	4	1-1/8	1-1/4	11/16
A3-5	5	1-1/8	1-1/4	5/8
A3-6	6	1-1/4	1-5/8	3/4
A3-8	8	1-3/8	1-7/8	7/8
A3-10	10	2-1/4	2-1/4	1"

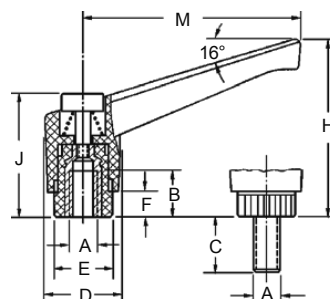
GRAB HANDLES

D12 Adjustable Plastic Handles

Material: Handle - High Impact Glass Filled Nylon
Insert - Threaded Steel

Finish: Black

1. Versatile and lightweight, designed for lighter applications.
2. Smooth action in releasing/engaging movements. When handle is lifted, the teeth are disengaged for re-positioning. Release of the handle will re-engage the teeth for tightening or loosening action.



Tapped Type

Stud Type

* Models with stainless steel hardware available as a special order, add S suffix.

Double gear design. 30% stronger than the major European design. Test data available.

Tapped Type (Inch)

Part No.	A	B	D	E	F	H	J	M
D12-0A	Blank							
D12-0A1	# 10-24	5/ 16	45/ 64	0.55	0.24	1.5	1.14	1.65
D12-0A2	1/ 4-20							
D12-1A	Blank							
D12-1A1	# 10-24	5/ 16	23/ 32	0.55	0.24	1.6	1.14	2
D12-1A2	1/ 4-20							
D12-2A	Blank							
D12-2A2	1/ 4-20	1/ 2	7/ 8	0.69	0.32	2.1	1.5	2.5
D12-2A3	5/ 16-18							
D12-3A	Blank							
D12-3A3	5/ 16-18	11/ 16	1-1/ 16	0.87	0.39	2.6	1.88	3.19
D12-3A4	3/ 8-16							

Tapped Type (Metric)

Part No.	A
D12-0AM5	M5
D12-0AM6	M6
D12-1AM5	M5
D12-1AM6	M6
D12-2AM6	M6
D12-2AM8	M8
D12-3AM8	M8
D12-3AM10	M10

Stud Type (Inch)

Part No.	A	C	D	E	F	H	J	M
D12-0B107	# 10-24	3/ 4						
D12-0B205		1/ 2						
D12-0B207	1/ 4-20	3/ 4	45/ 64	0.55	0.24	1.5	1.14	1.65
D12-0B210		1"						
D12-0B215		1-1/ 2						
D12-1B107	# 10-24	3/ 4						
D12-1B205		1/ 2						
D12-1B207	1/ 4-20	3/ 4	23/ 32	0.55	0.24	1.6	1.14	2
D12-1B210		1"						
D12-1B215		1-1/ 2						
D12-2B305		1/ 2						
D12-2B307		3/ 4						
D12-2B310		1"						
D12-2B312	5/ 16-18	1-1/ 4	7/ 8	0.69	0.32	2.1	1.5	2.5
D12-2B315		1-1/ 2						
D12-2B320		2						
D12-2B325		2-1/ 2						
D12-3B407		3/ 4						
D12-3B410		1"						
D12-3B412	3/ 8-16	1-1/ 4	1-1/ 16	0.87	0.39	2.6	1.88	3.19
D12-3B415		1-1/ 2						
D12-3B420		2						
D12-3B425		2-1/ 2						

Stud Type (Metric)

Part No.*	A
D12-0BM605	
D12-0BM607	M6
D12-0BM610	
D12-0BM615	
D12-1BM605	
D12-1BM607	M6
D12-1BM610	
D12-1BM615	
D12-2BM805	
D12-2BM807	M8
D12-2BM810	
D12-2BM812	
D12-2BM815	
D12-2BM820	
D12-2BM825	
D12-3BM1007	
D12-3BM1010	M10
D12-3BM1012	
D12-3BM1015	
D12-3BM1020	
D12-3BM1025	

* Metric stud type available as a special order.

Call our sales staff for your special requirements.

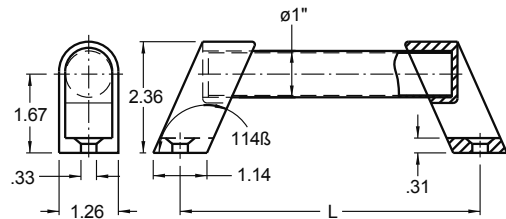
GRAB HANDLES

F6, F61 Variable Length Pull Handles

Material: Base - Thermoplastic
Tubing - Anodized Aluminum
Finish: Black or Orange

Part No. Base Only (ea.)		L
F6 Black	F61 Orange	
Part No. Tubing & Base Assembly*		
F6-10	F61-10	10"
F6-12	F61-12	12"
F6-18	F61-18	18"
F6-24	F61-24	24"
F6-30	F61-30	30"

* Assembly includes 1 piece tubing and 2 bases.



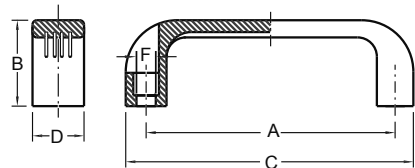
F7 Thermoplastic Handles

Material: Thermoplastic
Finish: Black

Black glass filled thermoplastic.



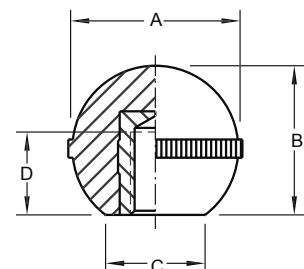
Part No.	A	B	C	D	F
F7-4	4.57	1.57	5.24	0.94	0.35
F7-5	5.20	1.69	5.94	1.02	0.33



K1 Phenolic Ball Knobs

Material: Phenolic
Finish: Black

Part No.	A	B	C	D	Thread
K1-0825	0.79	0.71	0.47	0.31	1/4-20
K1-1010					10-24
K1-1025	0.98	0.91	0.59	0.39	1/4-20
K1-1031					5/16-18
K1-1431					5/16-18
K1-1434	1.38	1.26	0.75	0.63	3/8-16
K1-1450					1/2-13
K1-1850	1.77	1.69	0.79	0.71	1/2-13



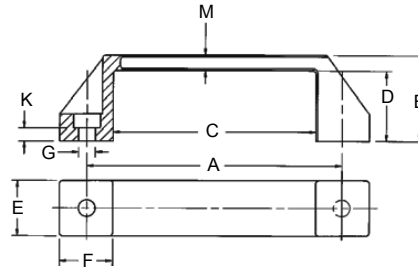
GRAB HANDLES

F1 Cabinet Handles Aluminum Die Castings

Material: Aluminum Die Cast

Finish: Black Painted

1. This handsome rectangular shape handle allows easy front mounting.
2. Use socket head cap screws or slotted fillister head screws.



Part No.	A	B	C	D	E	F	G	K	M
F1-2	3.50	1.42	2.76	1.18	0.79	0.79	1/4	0.20	0.24
F1-4	4.75	1.58	3.78	1.30	1.02	0.87	5/16	0.24	0.28
F1-6	7"	1.97	6.22	1.65	1.10	0.83	5/16	0.35	0.32

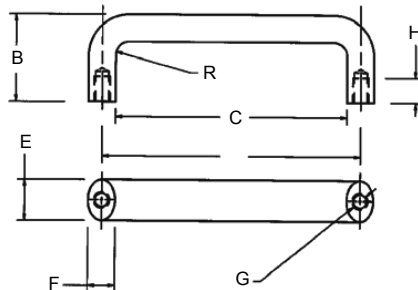
F2 Cabinet "U" Handles Aluminum

Material: Aluminum Die Cast

Finish: Painted Black

Painted Red or Silver (Special order)

1. This handsome handle is machined, polished and painted.
2. Black is the stock color, with red and silver available as a special order.



Part No.	A	B	C	E	F	G x H	R
F2-2	4.50		4.00				
F2-4	6.00	2.00	5.50	0.79	0.51	1/4-20 x 0.47	0.51
F2-6	8.00		7.50				

G10 Hub Lock Handles

Material: Medium Carbon Steel

Finish: Black Oxide

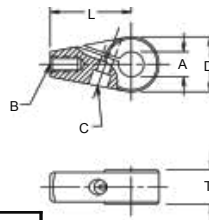


Hub lock handle



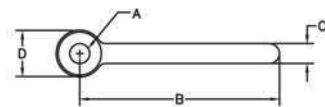
Application photo only. G series lever bar sold separately. Please see above.

1. This unique and very useful product provides greater flexibility in all lever applications.
2. Simply screw lever bar into the handle and place on a shaft for sliding up and down.
3. Heat treated for long life.
4. Lever arm can be orientated to any desired position. Precision bored hole provides precise fit to the shaft.

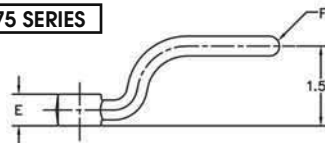


Part No.	A	L	B	C	D	T
G10-40	0.375					
G10-4M10	M10	1.42	5/16-18	10-24	0.94	.61
G10-4M12	M12					
G10-50	0.500					
G10-5M12	M12	1.61	3/8-16	1/4-20	1.10	0.69
G10-5M14	M14					
G10-62	0.625					
G10-6M14	M14	1.77	1/2-13	1/4-20	1.26	0.77
G10-6M16	M16					

LEVER NUTS



575 SERIES



575 Series, Lever Nut:

The P/N 575 series represent varied approaches to holding or handle applications. This series of Forged Lever Nuts are available from stock in five sizes and threads. The lever is off-set 1 1/2"

PART NO.	A	B	C	D	E	F END
575-A	3/8-16 UNC	3.75	.38	.81	.59	SPHERICAL
575-C	1/2-13 UNC	4.00	.44	.94	.66	SPHERICAL
575-E	5/8-11 UNC	4.06	.50	1.13	.50	SPHERICAL
575-G	3/4-10 UNC	5.44	.63	1.19	.69	SQUARE
575-H	7/8-9 UNC	5.44	.75	1.44	.81	SQUARE

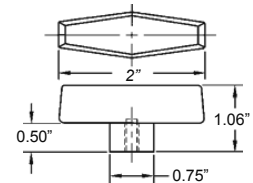
GRAB HANDLES

K20 T-Knobs Thermoplastic

1. These versatile T-Knobs are ideal for any application requiring a comfortable grip and moderate to heavy torque.
2. Attractive satin finish and decorative polished trim give a modern look to this traditional style.
3. Furnished with metal inserts for both blind and thru hole design.

Part No.		Insert/ Stud thread		
		1/ 4-20	5/ 16-18	3-8/ 16
Type	Thru hole	K20-25H	K20-31H	K20-37H
	Blind	K20-25B	K20-31B	K20-37B

Material: Thermoplastic
Finish: Black Satin

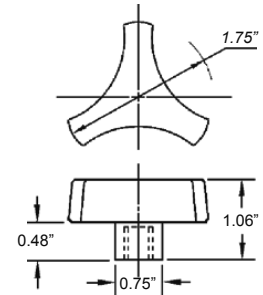


K30 3-Prong Knobs Thermoplastic

1. These popular style knobs have a satin finish and a modern, aerodynamic look.
2. All edges have been rounded for a comfortable feel. The hub is extra tall to provide greater knuckle clearance, while the durable thermoplastic construction makes this knob ideal for a wide variety of applications.
3. Furnished with metal inserts for both blind and thru hole design.

Part No.		Insert/ Stud thread		
		1/ 4-20	5/ 16-18	3-8/ 16
Type	Thru hole	-	K30-31H	K30-37H
	Blind	-	K30-31B	K30-37B

Material: Thermoplastic
Finish: Black Satin

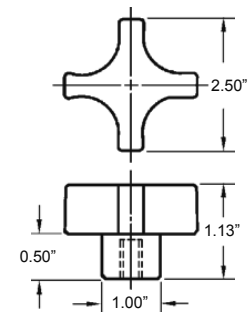


K40 4-Prong Knobs Thermoplastic

1. Large, rugged knobs perfect for applications requiring high torque or heavy duty clamping.
2. Molded of tough thermoplastic, four times more impact resistant than phenolic knobs.

Part No.		Insert/ Stud thread		
		1/ 4-20	5/ 16-18	3-8/ 16
Type	Thru hole	K40-25H	K40-31H	K40-37H
	Blind	K40-25B	K40-31B	K40-37B
	1/ 2" Stud	K40-2505	K40-3105	-
	1" Stud	K40-2510	K40-3110	K40-3710
	1-1/ 4" Stud	-	-	K40-3712

Material: Thermoplastic
Finish: Black Satin



K80 Star Knobs Thermoplastic

1. One of the most versatile designs in our product line.
2. Attractive satin finish, and completely rounded edges.
3. The thermoplastic construction makes it tough enough for industrial applications, yet the smooth lines are attractive enough for consumer applications as well.

Part No.		Insert/ Stud thread		
		1/ 4-20	5/ 16-18	3/ 8-16
Type	Thru hole	K80-25H	K80-31H	K80-37H
	1" Stud	K80-2510	K80-3110	K80-3710
	1-1/ 2" Stud	K80-2515	K80-3115	K80-3715

Material: Thermoplastic
Finish: Black Satin

