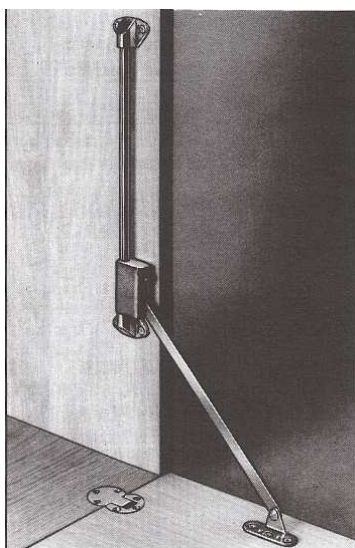
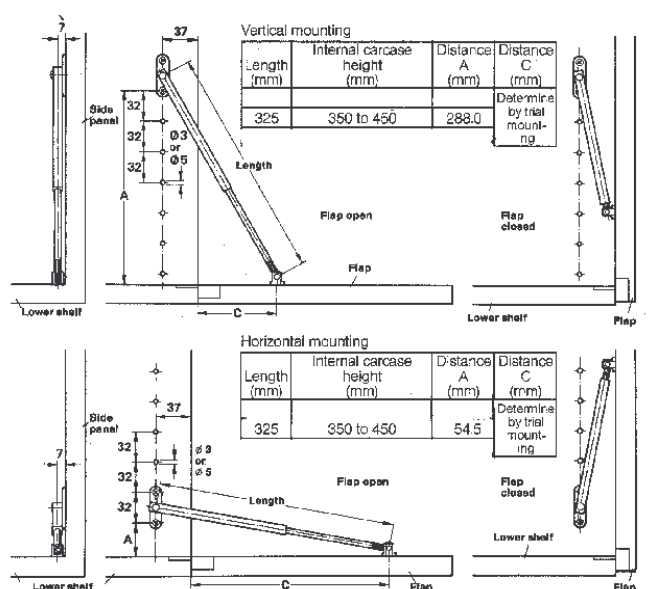


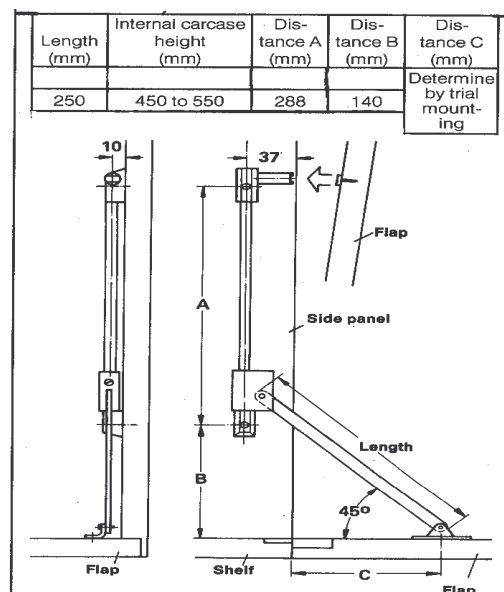
FLAP HARDWARE -Flap brake is suitable for left and right mounting. The braking force is regulated by turning the piston rod clock -or counter-clockwise. The case member is set up for 32mm mounting. No screws included (uses #6). Unit is solid brass, nickel plated. Compressed length is 8". extends to 12" (measurement of piston portion only)

Dull Nickel plated, **12FLAPNP**



This flap brake is suitable for doors with overall heights of 450 to 550 mm (14" - 16"). It is non-handed so may be used at both the left and right side. This all steel, 250 mm nickel plated unit provides a much more regular drop action than the cheap plastic units we have tested. Sold individually, screws not provided, (uses #5) and with a finely polished magnetic strike plate provided with each unit.

250FLAPNP

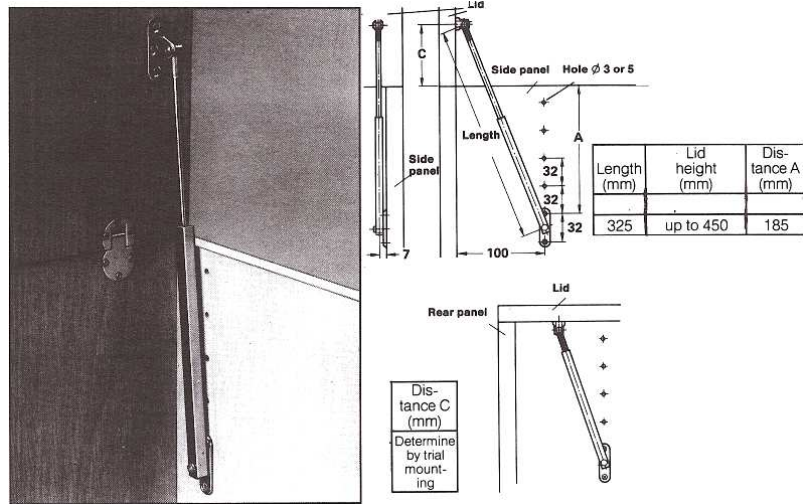


LID HARDWARE

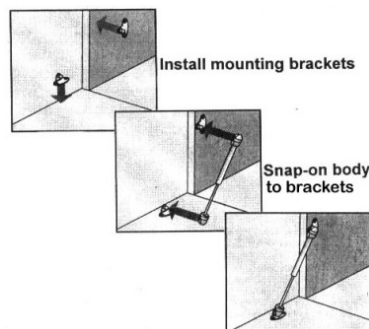
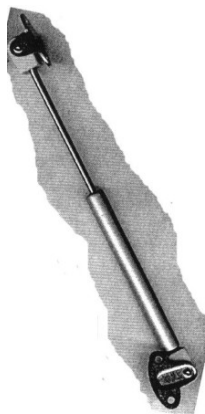
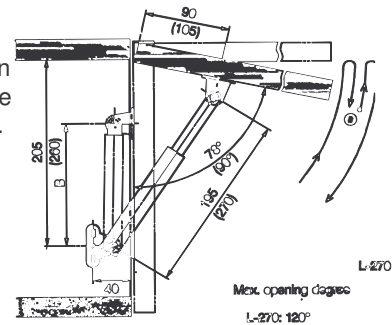
The braking force of this lid support is adjusted by twisting the piston rod in a clockwise or counter-clockwise direction. The case member mounts on 32 mm system holes. Sold individually, no screws (uses #6). Compressed length 8", extends to 12-3/4". Solid brass and steel with finish as shown. Non-handed.

Dull Nickel plated

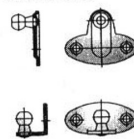
12LIDNP



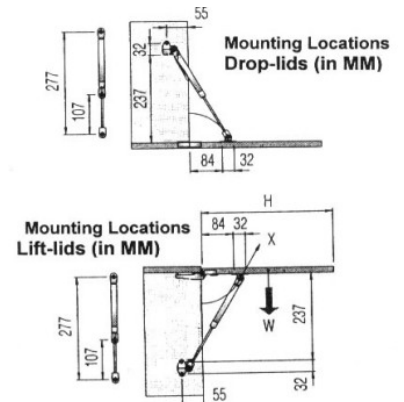
There is no braking action on the **L270** -instead there is a catch that engages when the lid is fully raised, holding the lid in the open position until the operator raises the lid a notch -releasing the catch -and then lowering the door by hand. Non- handed. Stainless steel in satin finish. Compressed length: 6-11/16" Extended length: 10-5/8" Appropriate for flap height 12-5/8" to 19-11/16"



Sidewall mounting 32mm c/c



Lid mounting 32mm c/c



STAYPNEU for lift-up and drop down lids. Gas springs provide silent, effortless, precise and reliable movement unattainable with stays using metal springs or friction to control motion. The mounting brackets are applied to the case and the lid separately and then the body of the stay just snaps on.

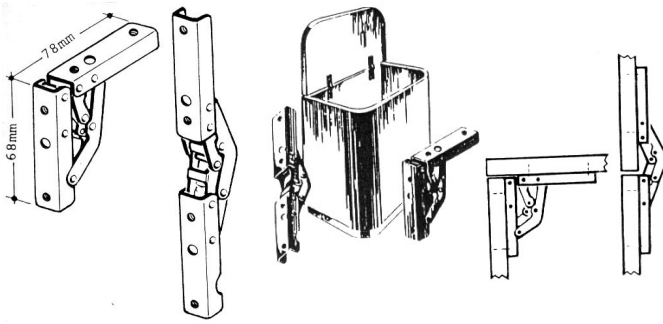
STAYPNEU6 (13 pounds)

STAYPNEU10 (22 pounds)

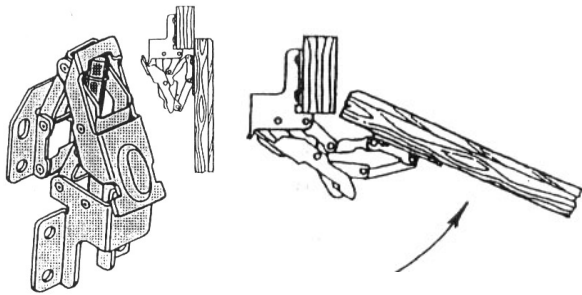
STAYPNEU15 (33 pounds)

Formula to determine correct stay for single stays: $X = \frac{6 \times W \times H}{1000}$ (X=closing force, W=weight of lid in kg, H=height of lid in mm)

Example: A lid that weighs 11 pounds (5kg) and is 10 inches high (254mm): $X = \frac{6 \times 5 \times 254}{1000} = 7.62$ (or a #8 stay) If two stays are used, split two #4 stays.



HINGELID Up-opening concealed top-lid hinge (90 degree opening). Flush-opening lift-lid hinge for hampers, chest lids, piano benches. Surface mounted, no hole-boring or pre-mounting plates. Steel, nickel-plated. 5-3/4" long by 13/16" wide. Spring closing.



HINGEHOLDUP Lift-up "hold-up" hinges. Heavy duty lift-up hinges for overhead doors, hold open at 75 degrees, release at a finger touch. Mount on surface with no machining or mortising. Rugged steel construction, nickel-plated. Door fits outside the case. Hinge accommodates 3/4" setback. For wall units, mobile homes, mirrored vanities, equipment access doors and office storage units.

The slotted action of this support requires the operator to slowly drop the flap, or close the lid. In order to hold a lid, lid must be hinged so it opens beyond vertically -the support then restricts lid movement beyond a point determined (within limits) by the cabinetmaker. Brass plated steel. Non-handed, sold individually.



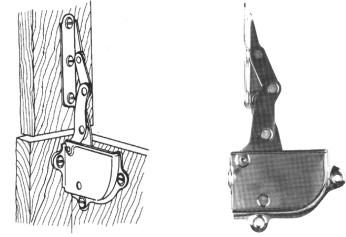
SLIDELIDSUP

The folding action of this support requires the operator to slowly drop the flap, or close the lid. In order to hold a lid, lid must be hinged so it opens beyond vertically -the support then restricts lid movement beyond a point determined (within limits) by the cabinetmaker. Sold in packs of 1-Left, 1-Right Brass plated steel. **FOLDLIDSUP**



CHESTHINGE

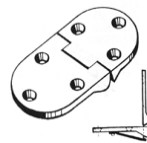
Combination Hinge and Support for chests. Fits in corner of chest, no mortising required. Supplied in pairs (one each right and left hand). Rivets bind linkage tightly, restricting speed of lid closing.



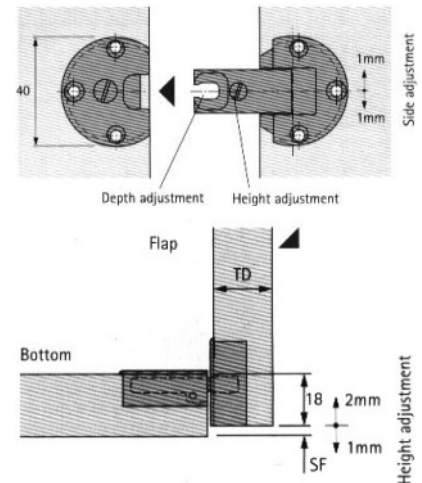
BUTLER TRAY HINGES

Authentic reproduction of English Butler Tray Hinges. Locks open in flat position, holds vertical at 90° Solid Brass, round ends, satin finish

BUTLERHINGE

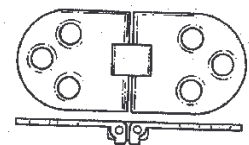


These all metal flap hinges permit a flush hinge installation that is invisible from the outside of the case. The flap is locked in position when the hinge is opened 90 degrees, and at that opening, the flap is held 1 mm from the case. The hinge bore depth is 12 mm, with a standard 35mm bit, and the hinge has a built in flange to cover any hole chipout. The hinge permits easy installation of the flap through separate installation of the base and flap side of the hinge. Each unit consists of each side of one hinge. Screws not provided (#4).



Nickel plate
FLAPHINGENP
Brass plate
FLAPHINGEBP

An alternative flap hinge that makes for a nicer finished look, but is harder to install, is the sewing machine hinge. Made of solid brass, in a satin brass finish, the hinge has double joints with a steel pin. There is no knuckle on top, thereby providing a perfectly flat surface. Order 7X3/4SB screws separately.



SEWINGHINGE

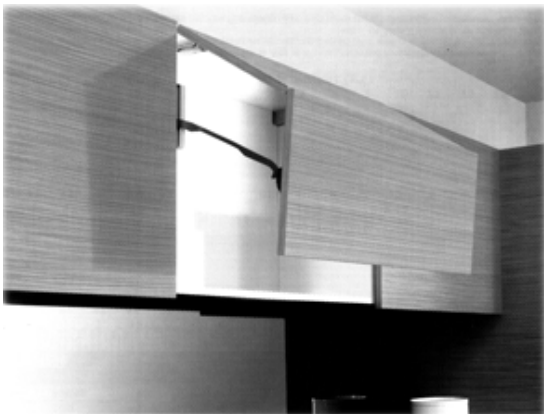
SALICE Lift Opening Systems



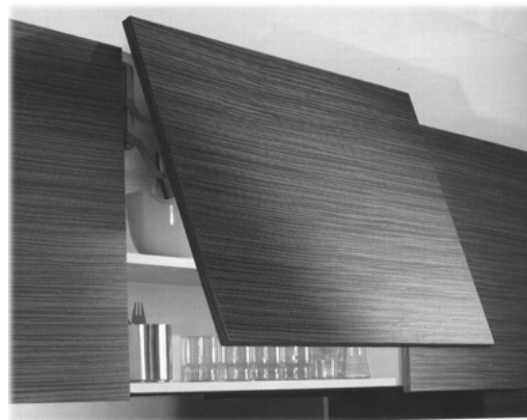
Flap Door



Parallel Opening Door



Folding Door



Swing Door

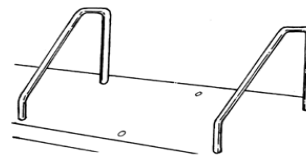
For doors that need to lift up under their own power, these gas charged mechanisms work great. Choose your preferred action and provide:

Door width
 height
 thickness
 overlay (at sides)
 overlay (at bottom)
 material

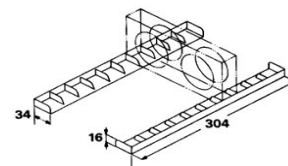
and thickness of carcass

AUDIO VISUAL, OFFICE, AND COMPUTER HARDWARE

Record dividers are finely polished chrome, with 5 mm diameters. They measure 135 mm center to center, with height of 185mm. Sold individually.

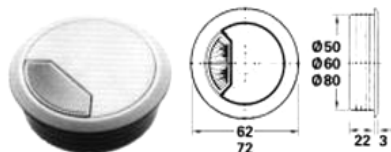
RECORDDIV

These ORGANIZING RAILS for audio/video furniture are made of tough, solid black plastic. Each set of rails has two self-adhesive pads for fast, secure installation on shelves, in drawers - wherever convenient and organized storage is needed.

**CDRAILS
VIDEORAILS****AUDIORAILS
DVDRAILS**

WIRE GROMMETS are sold individually, all are two-part plastic construction with spring-loaded cord cover, except 63mm are steel, plated as shown, and are one piece with slot cut out.

<u>Size/Color</u>	<u>Stock #</u>	<u>Hole Diameter</u>	<u>Flange Diameter</u>
25mm Black	1GROMBL	1"	1-1/8"
25mm Brown	1GROMBR	1"	1-1/8"
25mm White	1GROMWH	1"	1-1/8"
44mm Black	1-3/4GROMBL	1-3/4"	2"
44mm Brown	1-3/4GROMBR	1-3/4"	2"
44mm White	1-3/4GROMWH	1-3/4"	2"
50 mm Almond	SMALMONDGROM	2"	2-7/16"
50 mm Black	SMBLACKGROM	2"	2-7/16"
50 mm Brass matt	SMBRASSGROM	2"	2-7/16"
50 mm Brown	SMBROWNGROM	2"	2-7/16"
50 mm Chrome matt	SMCHROMEGROM	2"	2-7/16"
50 mm Gray	SMGRAYGROM	2"	2-7/16"
50 mm White	SMWHITEGROM	2"	2-7/16"
60 mm Almond	LGALMONDGROM	2-3/8"	2-7/8"
60 mm Black	LGBLACKGROM	2-3/8"	2-7/8"
60 mm Brown	LGBROWNGROM	2-3/8"	2-7/8"
60 mm Gray	LGGRAYGROM	2-3/8"	2-7/8"
60 mm White	LGWHITEGROM	2-3/8"	2-7/8"
63mm Chrome, polished	LGCHROMEGROM	2-1/2"	2-7/8"
63mm Brass, polished	LGBRASSGROM	2-1/2"	2-7/8"
63mm Bronze	LGBRONZEGROM	2-1/2"	2-7/8"
63mm Black	2-1/2GROMBL	2-1/2"	3"
63mm Brown	2-1/2GROMBR	2-1/2"	3"
63mm White	2-1/2GROMWH	2-1/2"	3"
76mm Almond	3GROMAL	3"	3-1/2"
76mm Black	3GROMBL	3"	3-1/2"
76mm Brown	3GROMBR	3"	3-1/2"
76mm White	3GROMWH	3"	3-1/2"
80 mm Almond	XLALMONDGROM	3-1/8"	3-5/8"
80 mm Black	XLBLACKGROM	3-1/8"	3-5/8"
80 mm Brown	XLBROWNGROM	3-1/8"	3-5/8"
80 mm Gray	XLGREYGROM	3-1/8"	3-5/8"
80mm White	XLWHITEGROM	3-1/8"	3-5/8"



Cover with
spring-loaded
segment



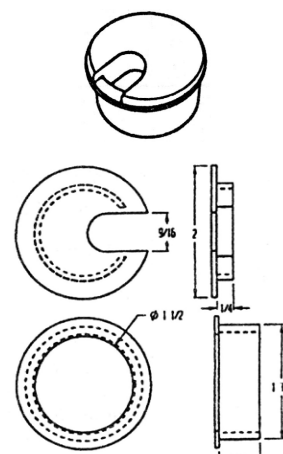
Closed



Open

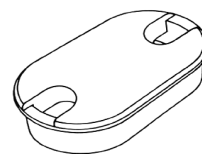


Outer ring



OVAL GROMMET (3-1/4" X 1-3/4 Hole, 3-1/2" x 2" Overall)

The Ultimate solution to the problem of any oversized cords. The oval shape makes it not only very attractive but able to accept up to a 3" wide plug. The cap has the added feature of having an opening at both ends, so it can handle multiple cords.

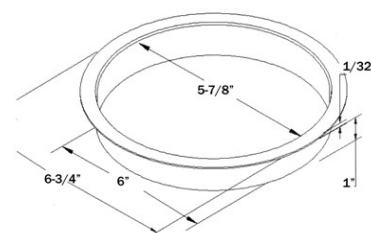
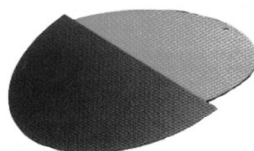


Stock No.

BLK **OV** **AL** **GROM** **BRN** **OV** **AL** **GROM** **WHI** **OV** **AL** **GROM**

TRASH MANAGEMENT GROMMET Designed for trash receptacles, this liner goes into 6" diameter hole. Lid sold separately. Grommet is plastic, lid is steel.

6BLACKGROM
6BROWNGROM
6GRAYGROM
6WHITEGROM
6LIDBLACK



PAPER FEED GROMMETS, plastic, available in colors listed below, and will accept 14-7/8 wide paper.

Color

Stock Number

12" Paper Feed Grommets

Brown
 Black
 White
 Gray

BRN**PAPERFEED**
BLK**PAPERFEED**
WHI**PAPERFEED**
GR**PAPERFEED**

Color
 Black
 Brown

Stock Number

SMP**PAPERFDBLK**
SMP**PAPERFDBRN**



VENT GROMMETS

Color

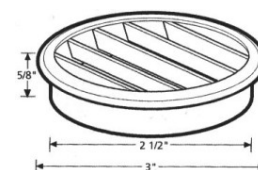
Stock Number

Size

Black
 White

21/2**VENTGROMBL**
21/2**VENTGROMWH**

2-1/2"
 2-1/2"



TV SWIVELS - Slated to be discontinued, for special order.

TVSWIVFX

Slide length = 13-3/4"

Slide travel = 13"

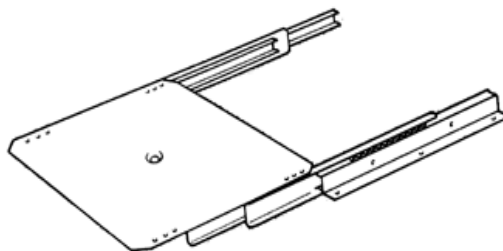
Weight rating = 155 lbs.

Height = 45mm, approx. 1-3/4"

Color = Brown synthetic resin

Rotation -360 degrees

Platform size = 13" x 13"

**TVSWIV3/4X**

Slide length = 13-1/4"

Slide travel = 8-1/8"

Weight rating = 155 lbs.

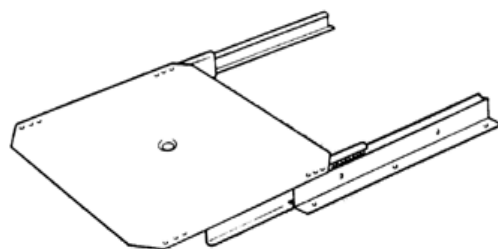
Height = 24 mm, approx 1-3/4"

Color -Brown synthetic resin

Rotation -360 degrees

Platform size -13" x 13"

Current inventory replaces a former version. The new model has good slide action and easy swivel action. A worthy replacement.



These units are beauties. Slide action like silk. Rotation with the touch of a finger. Continuous handle strip built in.

Platform = 650 mm X 370 mm, appx 25-5/8" x14-5/8"

Slide travel = 370 mm, approx 14-1/2"

Weight rating = approx 180 lbs. static, 150 lbs. dynamic

Height = 68mm, approx 2-3/4"

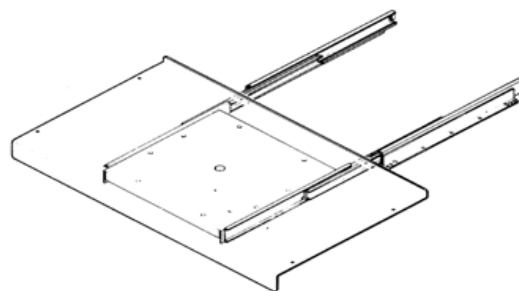
Slide length = 360 mm, approx. 14 "

Rotation = 180 degrees ...6

Space requirement when platform turned

at 45 degree angle = 760mm (30) 0,

Maximum recommended sized TV: 27" diagonal (no consoles)



BROWNTVSWIV

BLACKTVSWIV

Color

Brown

Black

Continuous handle strip built in covering enlarged cross member that stiffens shelf. Four non-skid pads for TV to rest on for safe operation. Three slide members. These are the units to choose for any visual center in which the finest expectations must be met.

Platform = 720 mm X 370 mm, approx 28-1/4" x14-5/8" ,.

Slide travel = 370 mm, appx 14-1/2"

Weight rating = Approx 200 lbs. static, 180 lbs. dynamic

Height = 68mm. approx 2-3/4"

Slide length = 360 mm, approx. 14 " ,

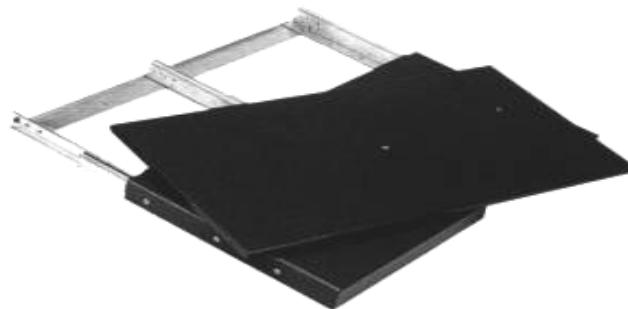
Colors = as shown, epoxy .

Rotation = 180 degrees

Space requirement when platform turned

at 45 degree angle = 820mm (32-1/4")

Maximum recommended sized TV: 35" diagonal



Stock number

HDBLACKTVSWI

LEVELING SYSTEMS

These levelers have a non-marring, non-rusting white plastic shoe, covered with a bright chrome (mylar) hood. The hex head provides ready height adjustment as the 114" x 20 screw threads into a T-nut, shown and ordered separately.

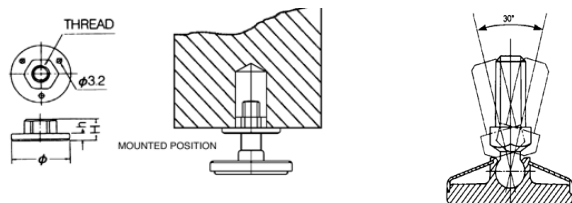
LEVELERSWIVE swivels up to 16 degrees for angled legs and uneven floors.

LEVELERNONSW does not swivel- for straight legs and flat floors.

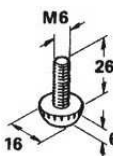


HDLEVELERSWI has a stainless steel shell over a plastic base, and measures almost 2" (1-31/32" to be exact) across. The foot of the leveler swivels up to 15 degrees for angled legs or uneven floors. The stainless steel bolt (3/8" x 16 threads with a 1" length) has a hex-nut forged into it for easy adjustment with a crescent wrench. It threads into a chrome plated steel plate (provided) which measures 1-3/4" across, and is designed to be mortised into the case (dia.- 5/8, depth- 1/2"). The plate is secured to the case with 3-#8 flat head screws, ordered separately. The manufacturer has provided no weight rating for this leveler, but it is heavy duty.

HDLEVELPLATE

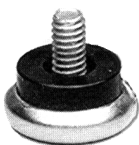


For width restricted applications, we stock the **LEVEL16**. This leveler has a galvanized bolt (1/4" x 20) with threaded length of 26mm (approx 1 "). A plastic foot is molded onto the head of the bolt. The Minimum installation height - 7.5mm (9/32") and adjustment range up to 15mm (19/32").



Leveling glides have a 13/32" base, 1/4" x 20 threads x 7/8" long.

METALSCREWGL



TNUTS1/4X20 have the longest prong we've ever seen - provides good grip when hammered into wood. One thread size - 114 x 20, base diameter is 314" with barrel length of 7/16", and barrel diameter of 300".

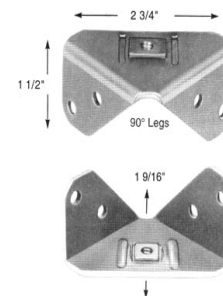
Additionally, we stock T-Nuts in the following sizes:

Size	Stock Number
8/32"	TNUTS8-32
5/16"	TNUTS5/16X18
3/8"	TNUTS3/8X16
Inserts: 1/4"	1/420INSERT
3/8"	3/816INSERT
5/16"	5/1618INSER
1/4"	SPINNUT1/4X20

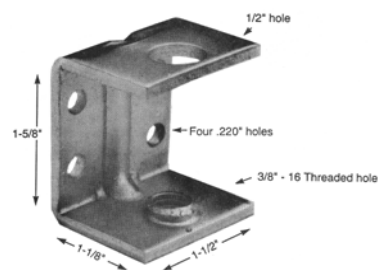


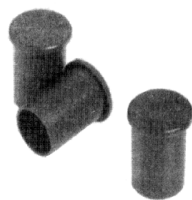
CORNERLEVELE has 1/4 x 20 threaded nut.

CORNERLEV3/8 has a 3/8 x 16 tapped hole.



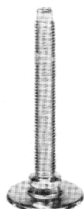
LEVELERU mounting bracket has 3/8" - 16 thread, 11 gauge steel.





3/8" protective end cap for adjustable glide. Available in brown and tan.

3/8BROWNCAP



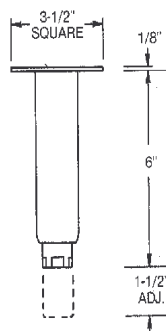
Adjustable glides used for mounting bracket LEVELERU. 3/8-16 threaded stem with slotted top, 1-3/8" plastic base diameter, nickel plated cover, zinc finish stem.
3/8X4LEVELER



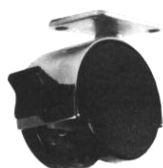
3/8-16PLATE uses 6x7/8 PHZP screw, for use with adjustable glides.

Our stainless steel leg **6SSLEG** is just the item for heavy duty case goods and kitchen environments. Equipped with a hex foot, overall leg height can be easily adjusted with a crescent wrench. Uses 4 - #12 pan head screws.

Overall height – minimum	6"
Adjustment available	1-1/2"
Overall height – maximum	7-1/2"
Load capacity	2,000 lbs.
Diameter	1-5/8"
Plate size	3-1/2" square



Casters are either rigid (roll forward or backward, but do not rotate) or swivel (roll & rotate). Four swivel casters provides the most mobility, as a cart can instantly change direction 90 degrees, but it is harder to push a four- swiveled cart in one direction (as there is no directional stability), a disadvantage that becomes noticeable in about 10 feet of pushing. A good choice is two swiveling casters located at one end of a cart and two rigid casters at the opposite end.



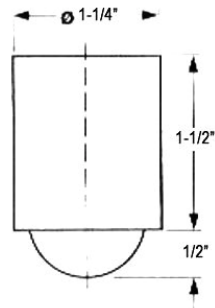
TWIN-WHEEL CASTERS (best for carpets)



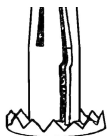
<u>Stock Number</u>	<u>Wheel Dia.</u>	<u>Hood Color</u>	<u>Mobile Load Rating</u> <u>Static Load Rating</u>	<u>Mounting</u>
2-2BLKPLBRK (swivel, w/ brake) (68mm mounting height)	50mm	black	60 lbs/ea 120 lbs/ea	plate
2-2BLKPL (swivel, no brake) (68mm mounting height)	50mm	black	60 lbs/ea 120 lbs/ea	plate
2-2CHPL (swivel, no brake) (68mm mounting height)	50mm	chrome	60 lbs/ea 120 lbs/ea	38mmx38mm plate
2-2BLKSTEM (swivel, no brake)	50mm	black	60 lbs/ea 120 lbs/ea	stem

BALL CASTERS

<u>Part Number</u>	<u>Wheel Dia.</u>	<u>Wt. Cap./each</u>	<u>Color</u>	<u>Mounting</u>
CASTERBALL1/2 (free-rolling ball)	13 mm	12 lbs.	assembly -brass plated steel ball -chrome plated	14 mm x 4 mm mortise required plate
CASTERBALL1 (free-rolling ball)	25 mm	34 lbs.	assembly – brass plated steel ball – chrome plated	27 mm x 6 mm mortise required plate



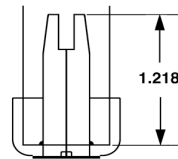
CASTERBALL1-1/8
Suitable for heavy furniture
Max. load : 88 lbs.



GRIPNECK drill, 3/8" ordered separately,
and usually required, for above caster.



SINGLE WHEEL CASTERS
(best for hard floor surfaces)



CASTERCLIPBL allows above
caster to be used on 3/4"
panel.

Metal Grip Neck

Caster Clip

<u>Part Number</u>	<u>Wheel Dia.</u>	<u>Wt. cap./ea</u>	<u>Mounting Height</u>	<u>Hood Color</u>	<u>Swivel Radius</u>	<u>Mounting</u>
2-1CHSTEMBRK	2"x15/16"	90 lbs	2-9/16"	nickel	1-7/8"	stem
2-1CHPLBRK (swivel, w/ brake)	2x15/16"	90 lbs.	2-5/8"	nickel	1-7/8"	plate
2-1CHPL (swivel, no brake)	2x15/16"	90 lbs.	2-5/8"	nickel	1-7/8"	plate
2-1CHPLRIGID (rigid, no brake)	2x15/16"	90 lbs.	2-5/8"	nickel	n/a	plate
3-1CHPL (swivel, no brake)	3"x1-1/4"	210 lbs.	3-15/16"	zinc	2-1/2"	plate
3-1CHPLBRK (swivel, w/ brake)	3"x1-1/4"	210 lbs.	3-15/16"	zinc	2-1/2"	plate
3-1CHPLRIGID (rigid, no brake)	3"x1-1/4"	210 lbs.	3-15/16"	zinc	n/a	plate
4-1ZCPLBRK (swivel, w/ brake)	4"x1-1/4"	280 lbs.	5-1/16"	zinc	3-9/16"	plate

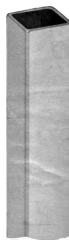
Plastic tack glides are stocked in two styles -flat and domed. Glides are 3/4" diameter plastic (metal will cause rust spots on tile floors, and carpets after they have been shampooed). with 31/4" long steel nails. Choose the flat glide for straight legs, the domed glide for angled legs.



1/2WHITACKGLI has 1/2 base, 4mm thick with 11/16 tack

For commercial applications, our metal glide with black rubber cushioning washer will last far longer than the plastic glides shown above. 18mm diameter, so will fit within space of 3/4" panel.

TABLE HARDWARE



Highly polished 1" x 1" steel square tube. Stocked in 96" and 72" lengths.

1X1SQUARE96

1X1SQUARE72

KV95 is a black plastic shoe for the above table leg. This prevents the edge of the leg from scratching fine wood or vinyl floors, or from snagging looped carpeting.

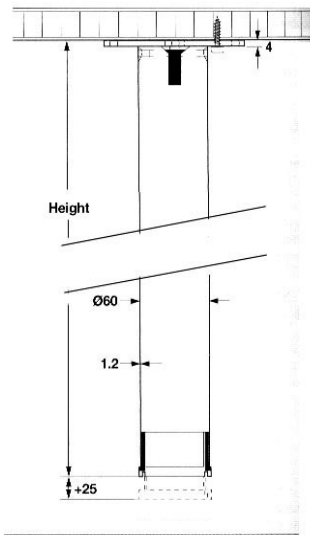


Heavy duty tubing insert fits into 1" square tubing 5/16" thread, includes leveler. For use with casters.
HD94/99

For folding legs of light tables -card tables, for example, these braces lock into the open position. Brass plated steel.
LEGBRACE

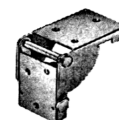
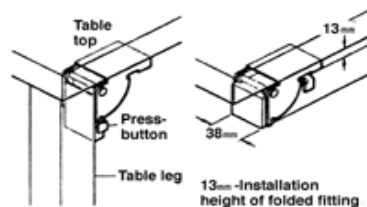


Table legs are stocked in finishes as shown with 60mm diameter legs. The legs have 1" height adjustment.

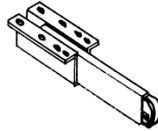


Stock Number	Color	Height	Quantity
LEG27PC	polished chrome	27-3/4"	4/set
LEG27BLACK	black, gloss	27-3/4"	4/set
LEG28BS	brushed steel	28"	4/set
LEG34SS	stainless steel	34-1/4"	individually
LEG34BLACK	black	34-1/4"	individually
LEG34BS	brushed steel	34-1/2"	4/set

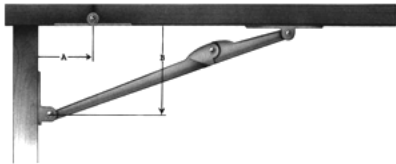
For folding table legs, this fitting locks in both the down and up position. Occupies only 13mm space when folded. Brite zinc plate. Sold individually. **FOLDLEGFIT**



Our **39PULLOUTSUP** pull out drop leaf support is a great way to support small leaves. Sold individually, with no screws.



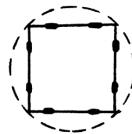
These sturdy drop leaf supports are precision built from prime heavy gauge steel, zinc-chrome plated. Positive quick action when closing action is correctly applied, yet the support cannot be "broken" accidentally because leaf is held securely in place by spring tension.



Mounting measurements for **12DROPLEAFSU**

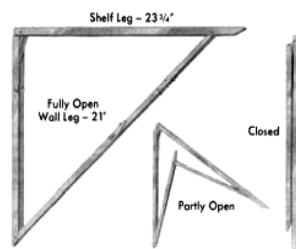
Pivot point "A" is 3-15/16", "B" is 2-9/16", other dimensions by experiment

The drop leaf hinge quickly converts square table tops to round tops, and increases seating capacity in a matter of seconds. Use two per leaf. Screws not provided.



DROPLEAFHING

The **COUNTERBRACK** is designed especially for kitchen counters, is zinc plated.
Vertical member: 21"
Horizontal member: 23-3/4"
Width: 1-3/8"

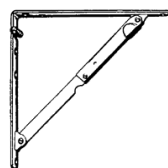


Backed by unpopular demand, these folding brackets are suitable for garage or basement use. Made in Taiwan, they hold a shelf at approximately 87°. Gray color, sold in pairs.

Stock
Number
Dimensions

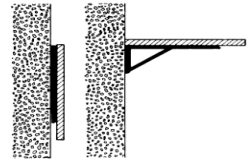
12FOLDBRACKE
16FOLDBRACKE

12"x12"
16"x16"

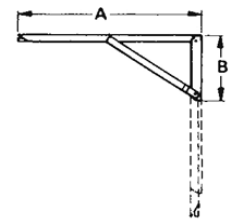


Most folding shelf brackets are imported from a Pacific Basin country, are painted steel, and hold the shelf at a 5-10 degree angle from level. After along search, we have found these German made folding brackets in steel, with a yellow chromate finish. Capacity is 80 lbs/pair.

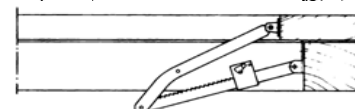
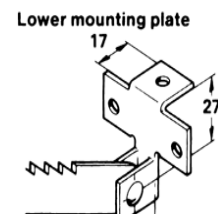
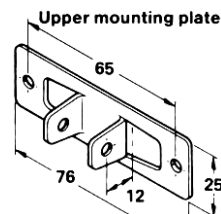
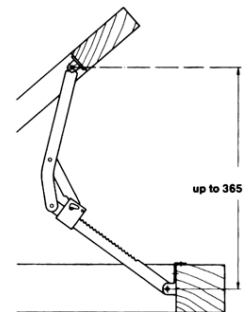
They will hold a shelf level.



Stock Number	A Dimension	B Dimension
10FOLDBRACKE	10"	3-3/8"
15FOLDBRACKE	15"	4-3/4"



Our **DRAFTLIFT** allows a panel to be positioned 50 degrees from it's "home" position, or any of 20 intermediate stopping points between "home" or fully extended. Ideal for drafting table application, this hardware is sturdy enough to be uses on hospital beds to hold a patient at a comfortable position for conversation, eating, etc. The panel can be lowered to "home" position by lifting it first beyond the extended position, which then releases it to be fully closed.



Super scissor jack,
complete with upper and lower mounting plates
Finish: steel, galvanized