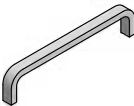
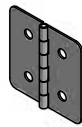
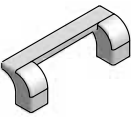
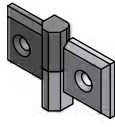
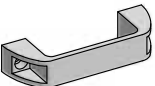
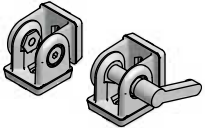
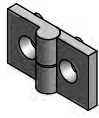
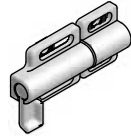
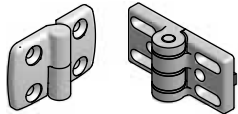
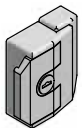
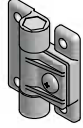
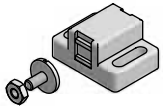
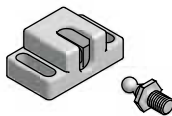
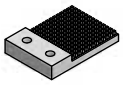
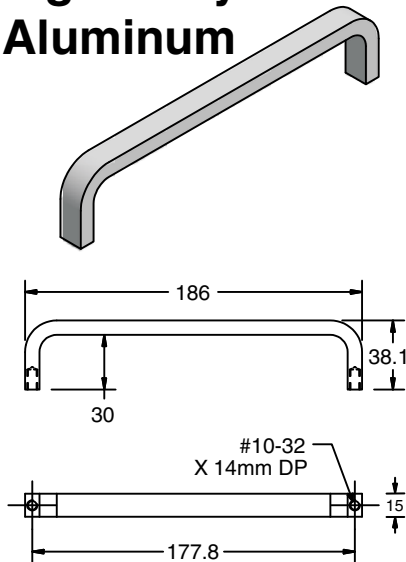


Section 5 Handles & Hinges

Light Duty Metal Handles	130		Butt Hinges	144	
Light Duty Plastic Handles	131		Lift-Off Hinges	144	
Plastic Handles	132		Pivot Joints	145	
Tube Handles	133		Quarter Turn Latches	146-147	
			Inside Handle	147	
			Latch Accessories	148	
Light Duty Hinges	134-136		Dead Bolt	149	
Medium Duty Lift-Off Hinges	137-138		Slam Latch	149	
Medium Duty Metal Hinges	139-140				
Adjustable Hinges	141		Magnetic Catches	150	
Positioning Hinges	142		Ball Catch	151	
Concealed Hinges	142		Ball Plunger	152	
			3-Way Ball Catch	152	
Multi-Series Hinges	143		Door Stops	153	

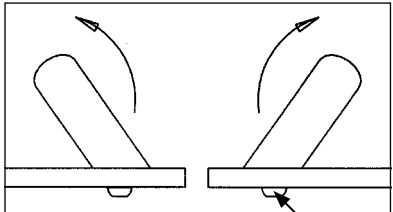
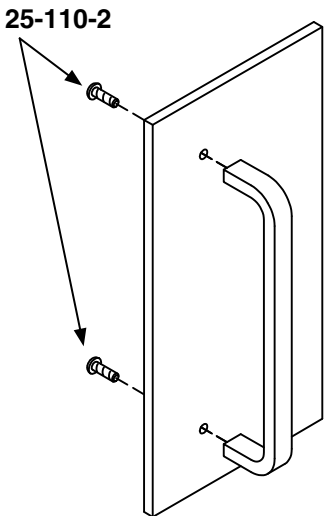
Light Duty
Aluminum



23-030

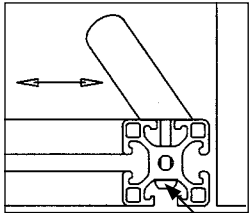


23-034



1 Swinging Doors

24-116-6 x 2



2 Sliding Door

24-140-6 x 2

Application

Handle for light duty doors

Technical Data

23-030: Aluminum, Clear Anodized
23-034: Aluminum, Black Powdercoat

Recommended Fastening Hardware (Order Separately)

Part #	Screws	Application
23-030	(2) 25-110-2	Panel Mount
23-034	(2) 24-116-6	Panel Mount (picture #1)
	(2) 24-140-6	Profile Mount (picture #2)

Ordering Information

Description

Light Duty Aluminum Handle
Light Duty Aluminum Angled Handle

Unit

Each

Each

Weight

85 g

11 g

Part #

23-030

23-034

Light Duty Plastic

Application

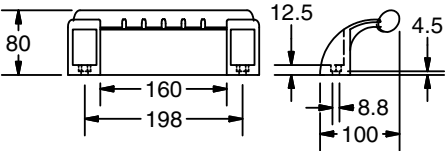
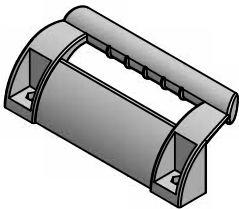
Handle for double doors to keep operators hands from hitting when opening.

Technical Data

Glass-Fiber Reinforced Plastic
Black Matte Finish

Recommended Fastening Hardware
(Order Separately)

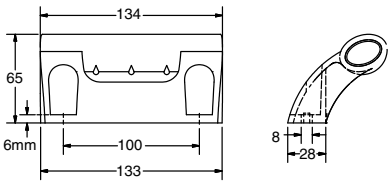
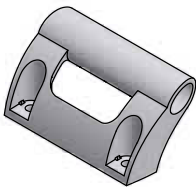
Series	Screws	T-Nuts
40/1.5"	(2) 24-316-8	(2) 20-058
30	(2) 24-312-8	(2) 20-058
28	(2) 24-312-8	(2) 20-057



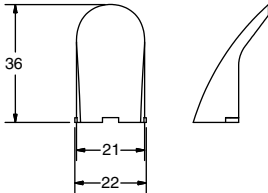
23-074

Ordering Information

Description	Unit	Weight	Part #
Large Angled Handle	Each	356 g	23-074
Open Angled Handle	Each	114g	23-075
Caps for 23-075	Each	3g	23-076

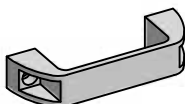


23-075

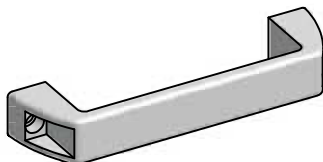


23-076

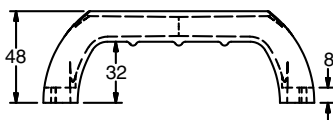
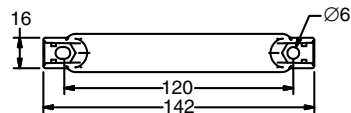
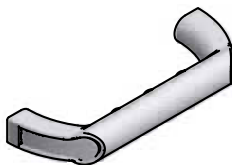
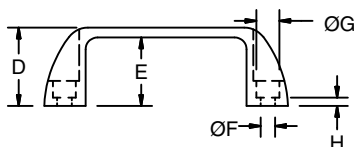
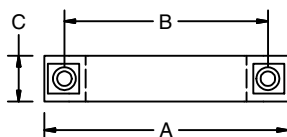
Plastic Handles



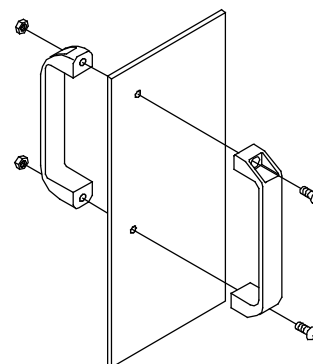
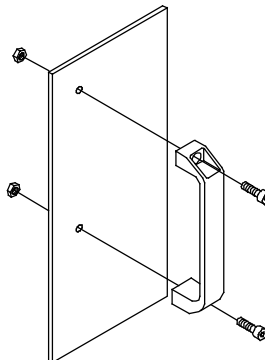
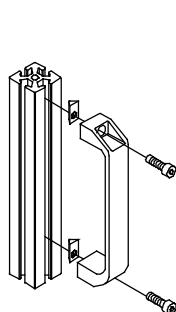
23-033



23-028



23-233



Application

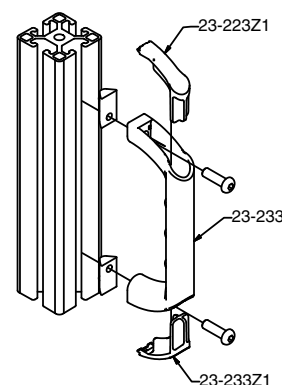
Multipurpose handle for mounting onto panels or profiles. Hardware length is determined by applications.

Technical Data

Glass Filled Nylon, Black

Order Hardware Separately.

Use M6 for 23-033 and 23-028

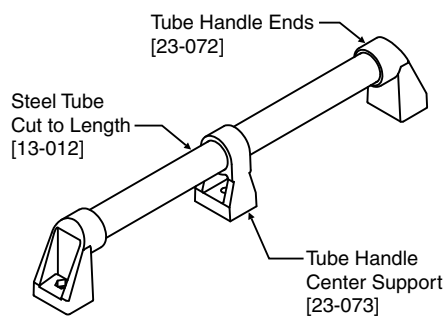


Recommended Fastening Hardware (Order Separately)

Part #	Series	Screws	T-Nuts
23-033	40	(2) 24-318-6	(2) 20-056
	30	(2) 24-316-6	(2) 20-056
	28	(2) 24-316-6	(2) 20-055
	1.5"	(2) 25-311-4	(2) 25-001 or 20-083
	1"	(2) 25-308-4	(2) 25-031 or 25-034
23-028	40/30	(2) 24-318-6	(2) 20-056
	28	(2) 24-316-6	(2) 20-055
23-233	20	(2) 24-114-5	(2) 20-054

Ordering Information

Dimensions								Weight	Part #
A	B	C	D	E	F	G	H		
112	93.5	21	36	30	6.5	10.5	6	33 g	23-033
170	152	28	52	45	6.5	10.5	8.5	70 g	23-028
See Drawing								26.2 g	23-233
Caps for 23-233 (2 per)								4 g	23-233z1

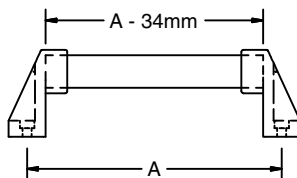


Application

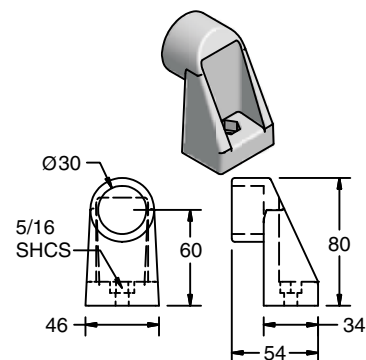
Handle allows variable lengths. Order tube cut to length for a custom fit solution.

Technical Data

Polyamide, Black
Tube: Coated Steel
Order Hardware Separately



Tube Handles



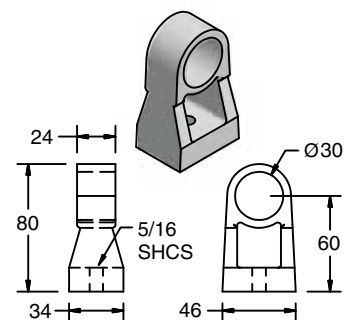
23-072

Recommended Fastening Hardware (Order Separately)

Part #	Screws	T-Nuts
23-072	25-312-5	20-082
23-073	25-316-5	20-082

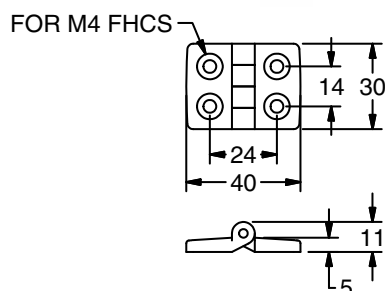
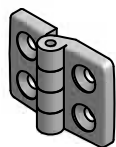
Ordering Information

Description	Unit	Weight	Part #
Tube Handle Ends	Each	12.7 g	23-072
Center Support for handles over 36"	Each	7.6 g	23-073
Coated Steel Tube	Cut off max. 2m	1.52 kg/m	13-012
* Saw cut needed for Cut to Length			19-007

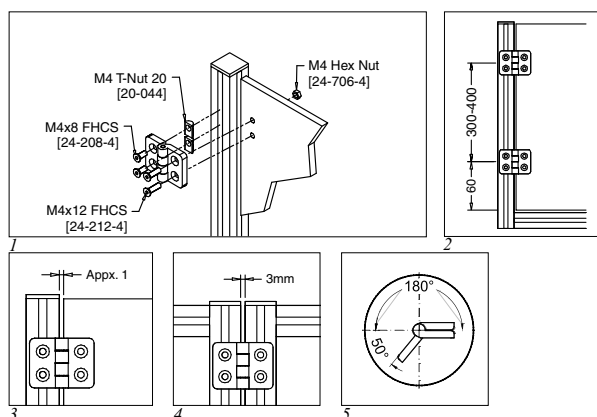


23-073

Light Duty PA 20



23-020



- 1 Assembly of Hinge PA 20 on panel
- 2 Hinge positions
- 3-4 Clearance dimensions
- 5 Range of swing

Application

For light doors and lids constructed of 20 Series profiles

Technical Data

Glass-filled Nylon, Black
Max Load: 40Nm (30 ft-lbs)

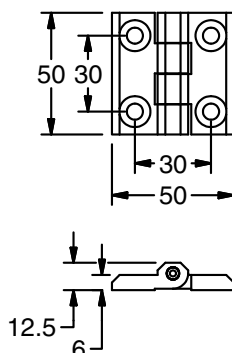
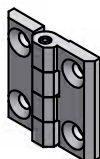
Recommended Fastening Hardware (Order Separately)

Screws	T-Nuts
24-208-4 (1 per hole)	24-044 (1 per hole)

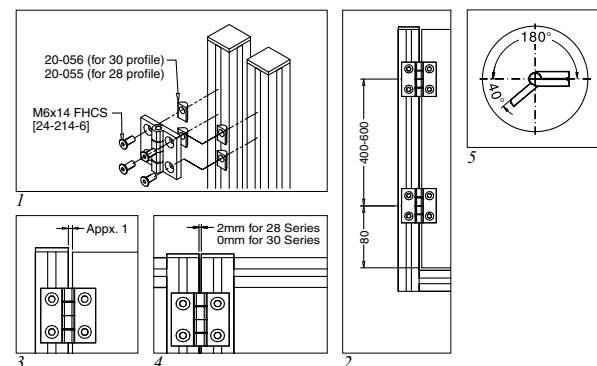
Ordering Information

Description	Unit	Weight	Part #
Hinge PA 20 Series	Each	7 g	23-020

Medium Hinge 30/28



23-242



- 1 Assembly of Medium Hinge 30/28 on profiles
- 2 Hinge positions
- 3-4 Clearance dimensions
- 5 Range of swing

Application

Suitable for medium loads such as machine and guard doors. Can be used with 30 or 28 Series profiles.

Technical Data

Zinc Cast, Black Powdercoat
Pin is Stainless Steel
Max. Load: 400Nm (295 ft-lbs)

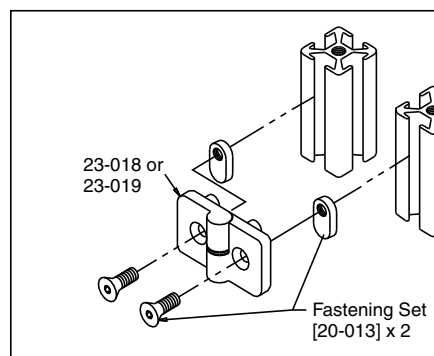
Recommended Fasteners (Order Separately)

Series	Screws	T-Nut
30	24-214-6	20-056
28	24-214-6	20-055

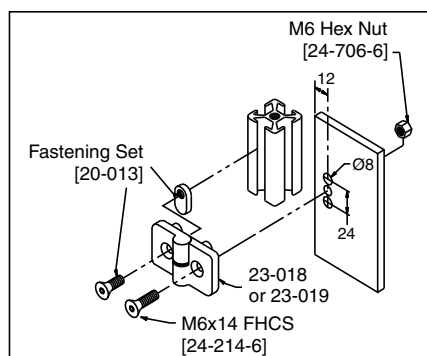
Ordering Information

Description	Unit	Weight	Part #
Medium Hinge 30/28	Each	86 g	23-242

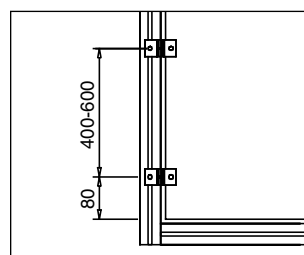
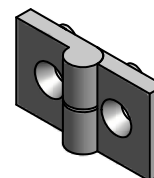
Light Duty PA 28



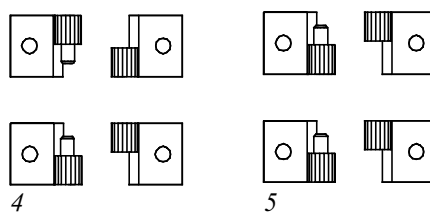
1



2

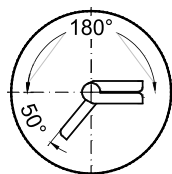
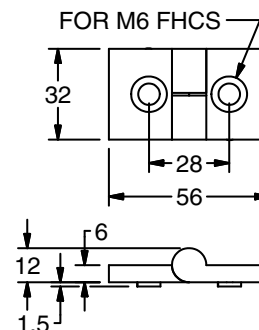


3



4

5



- 1-2 Attaching Light Duty Hinges 28 to 28 Series profiles and panels
- 3 Placement of hinges on panels
- 4 Non lift-off doors require one right hand and one left hand Hinge
- 5 Lift-off doors require either right or left hand Hinges

23-018 & 23-019

Application

For light doors and lids constructed of 28 Series profiles or light panel material.

Technical Data

Glass-filled Nylon, Black
Max Load: 100Nm (22 ft-lbs)

Recommended Fastening Hardware

Screws	T-Nut	Hex Nut
24-214-6	20-090	24-706-6

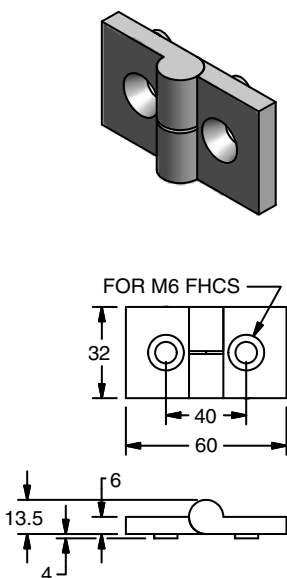
Ordering Information

Description

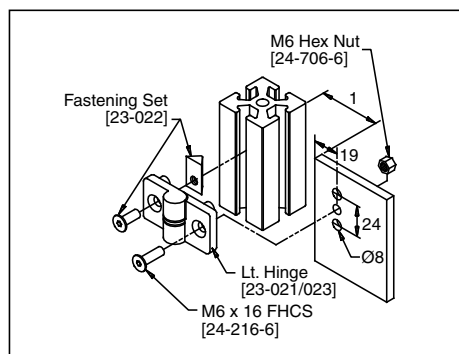
Light Duty Hinge 28, Right
Light Duty Hinge 28, Left

Unit	Weight	Part #
Each	17 g	23-018
Each	17 g	23-019

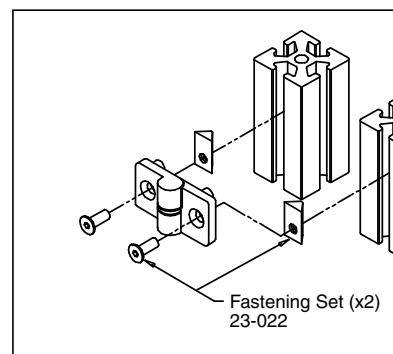
Light Duty 40



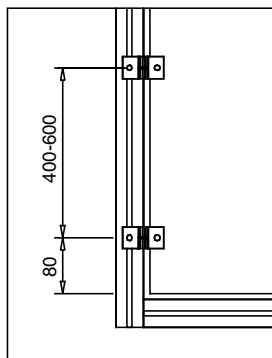
23-021 & 23-023



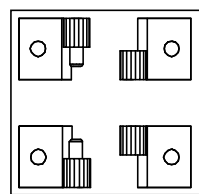
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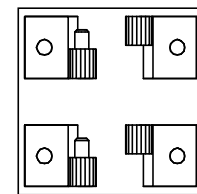
2



3



4



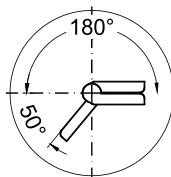
5

1,2 Attaching Light Duty Hinges 40 to 40 Series profiles and panels

3 Placement of hinges on panels

4 Non lift-off doors require one right hand and one left hand Hinge

5 Lift-off doors require either right or left hand Hinges



Application

For light doors and lids constructed of 40 Series profiles or light panel material

Technical Data

Glass-filled Nylon, Black

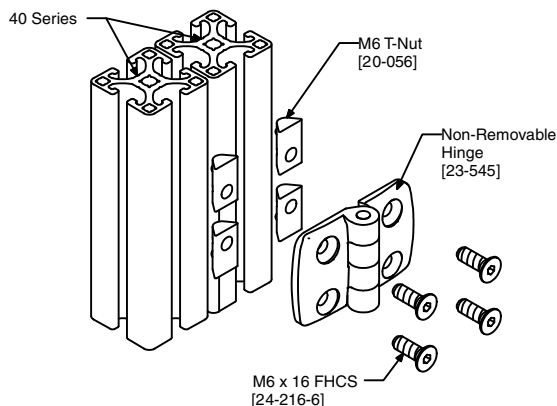
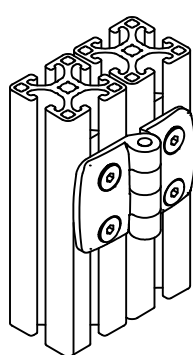
Max Load: 100Nm (22 ft-lbs)

Recommended Hardware

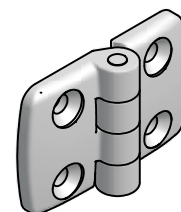
Series	Screw	T-Nut	Hex Nut
40	24-216-6	20-080	24-706-6

Ordering Information

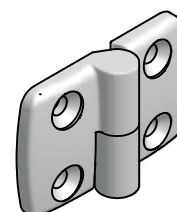
Description	Unit	Weight	Part #
Light Duty Hinge 40, Right	Each	21 g	23-021
Light Duty Hinge 40, Left	Each	21 g	23-023



Medium Duty Plastic (Metric)



NON-REMOVABLE



LIFT OFF

Application

High quality plastic hinges for constructing medium duty guard/ enclosure doors. Hinges are offered in two types: lift off (for left and right hand doors) and non-removable.

Technical Data

Glass-filled Nylon, Black
Stainless Steel Pin
Max Torque: 100Nm (74 ft-lbs)

Ordering Information

Dimensions (mm)

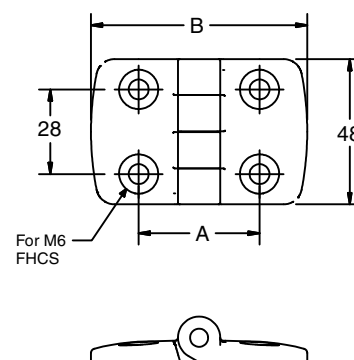
A	B	Hinge Type	Weight (g)	Part #
45	77	Non Removable	43	23-545
		Left Side Mount	43	23-545L
		Right Side Mount	41	23-545R
35	59	Non Removable	35	23-535
		Left Side Mount	35	23-535L
		Right Side Mount	33	23-535R
30	49	Non Removable	28	23-550
		Left Side Mount	28	23-550L
		Right Side Mount	28	23-550R

Application Chart

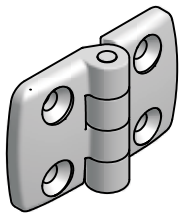
Mounting Surface 1	Mounting Surface 2	Gap (mm)	Non-Rem Hinge	Left Hinge	Right Hinge
40 Series	40 Series	5	23-545	23-545L	23-545R
40 Series	Panel	—			
28 Series	40 Series	1	23-535	23-535L	23-535R
30 Series	40 Series	0			
28, 40 Series	Panel	—	23-550	23-550L	23-550R
30 Series	30 Series	0			
30, 28 Series	Panel	—			
30 Series	30 Series	5			
28 Series	28 Series	7			

Recommended Hardware

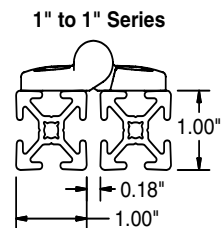
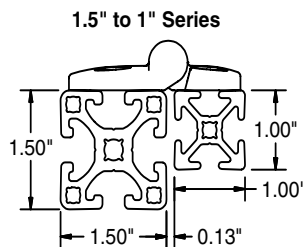
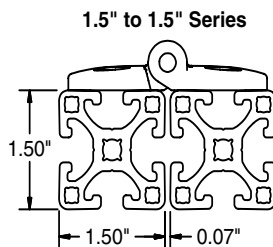
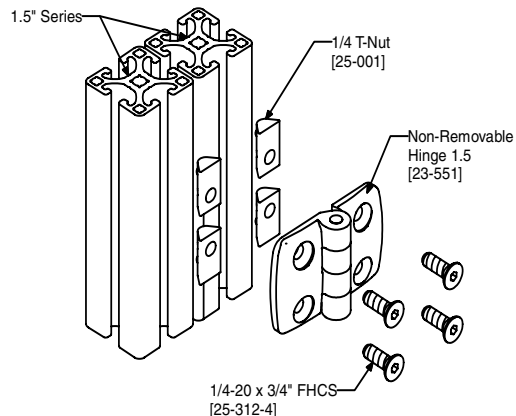
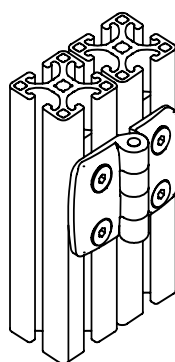
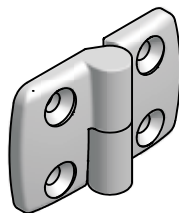
Series	Screw	T-Nut	Panel	Screw	T-Nut
28	24-214-6	20-055	—	—	—
30	24-214-6	20-056	6mm Panel	24-220-6	24-716-6
40	24-216-6	20-056	8mm Panel	24-220-6	24-716-6



Medium Duty
Plastic (Inch)



NON-REMOVABLE

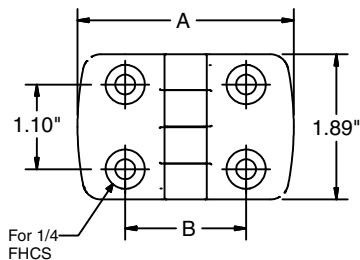


Application

High quality plastic hinges for constructing medium duty guard/ enclosure doors. Hinges are offered in two types: lift off (for left and right hand doors) and non-removable.

Technical Data

Glass-filled Nylon, Black
Stainless Steel Pin
Max Torque: 100Nm (74 ft-lbs)



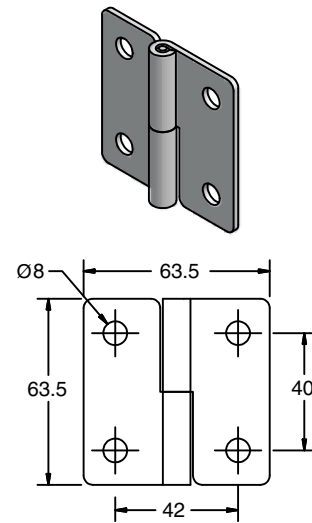
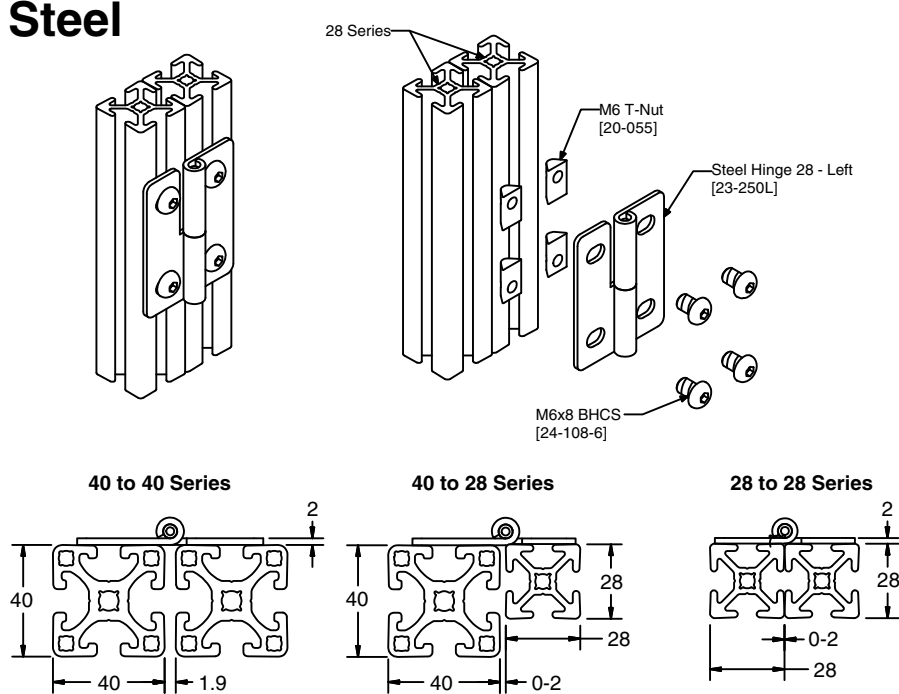
Recommended Fastening Hardware (Order Separately)

Series	Screws	T-Nuts
1.5"	25-212-4	25-001, 20-083 or 20-193
1"	25-208-4	25-031, 25-034 or 25-036

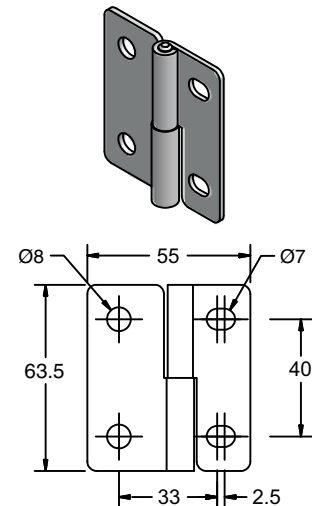
Ordering Information

A	B	Hinge Type	Weight (g)	Part #
2.74"	1.57"	Non Removable, 1.5" to 1.5"	43	23-551
		Left Side Mount, 1.5" to 1.5"	43	23-551L
		Right Side Mount, 1.5" to 1.5"	41	23-551R
2.28"	1.38"	Non Removable, 1.5" to 1"	35	23-552
1.93"	1.18"	Non Removable, 1" to 1"	28	23-550
		Left Side Mount, 1" to 1"	28	23-550L
		Right Side Mount, 1" to 1"	28	23-550R

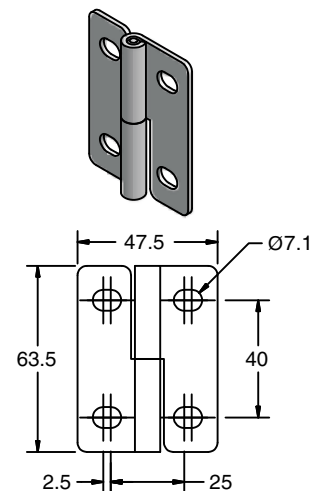
Steel



23-252



23-251



23-250

Application

Steel hinges for constructing guard/ enclosure doors. Lift off option allows access into enclosure. Specify a left hand or right hand lift-off hinge set depending on required direction of door opening.

Technical Data

Steel, Black Zinc Plated

Recommended Fastening Hardware (Order Separately)

Series	Screws	T-Nuts
40	24-112-8	Any 40 Series M8
28	24-108-6	Any 28 Series M6
1.5"	25-108-4	25-001, 20-083 or 20-193
1"	25-106-4	25-031, 25-034 or 25-036

Ordering Information

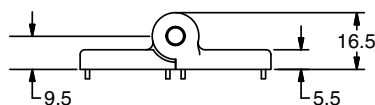
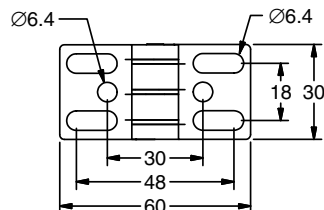
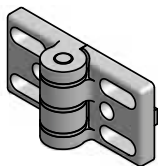
Description	Unit*	Weight	Part #
Steel Hinge 40/1.5" - Left	Each	18g	23-252L
Steel Hinge 40/1.5" - Fixed	Each	18g	23-252***
Steel Hinge 40/1.5" - Right	Each	18g	23-252R
Steel Hinge 40/1.5" to 28/1" - Left	Each	14g	23-251L
Steel Hinge 40/1.5" to 28/1" - Fixed	Each	14g	23-251**
Steel Hinge 40/1.5" to 28/1" - Right	Each	14g	23-251R
Steel Hinge 28/1" - Left	Each	13g	23-250L
Steel Hinge 28/1" - Fixed	Each	13g	23-250*
Steel Hinge 28/1" - Right	Each	13g	23-250R

*Order 23-250L & 23-250R

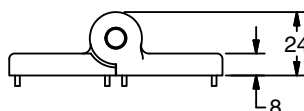
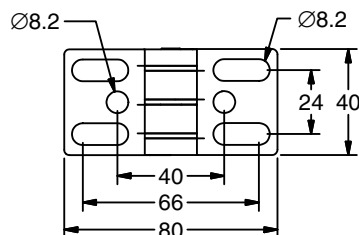
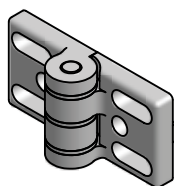
**Order 23-251L & 23-251R

***Order 23-252L & 23-252R

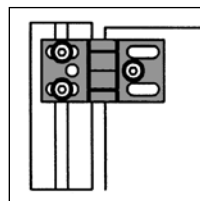
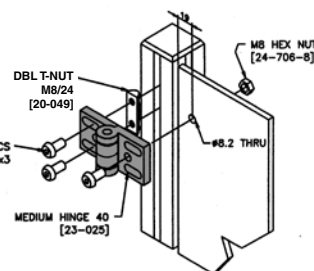
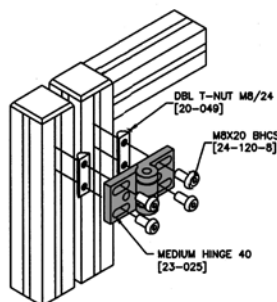
Medium 40



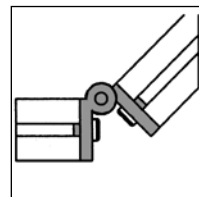
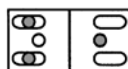
23-024



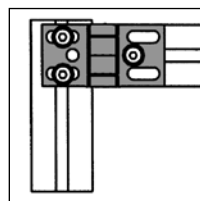
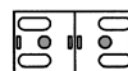
23-025



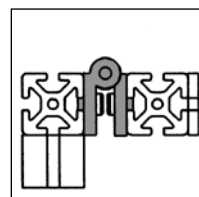
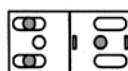
1 Fastening to vertical profile and panel element (all anti-torsion pins removed).



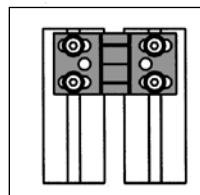
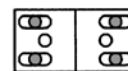
4 End face fastening of two profiles (with torsion pins).



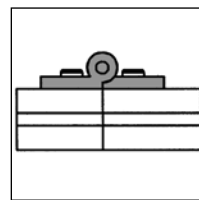
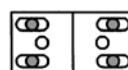
2 Fastening to vertical and horizontal profiles (2 anti-torsion pins removed).



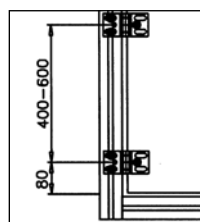
5 Connection of two horizontal profiles (all anti-torsion pins removed).



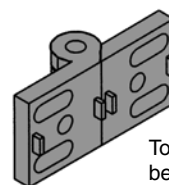
3 Fastening to vertical profiles (all anti-torsion pins removed).



6 Connection of two horizontal profiles (with anti-torsion pins)



Positioning of hinges on a panel



Torsion pins can be removed with a screwdriver

Application

Suitable for medium loads such as machine and guard/enclosure doors, and as an angle connecting element for profiles. Fastens to T-Slot or profile face with integral torsion pins for precise squaring.

Technical Data

Zinc Cast, Galvanized, Black
Max Load: 500N (112lbs)

Order Hardware Separately Per Hole

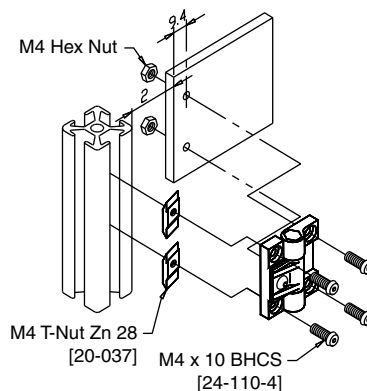
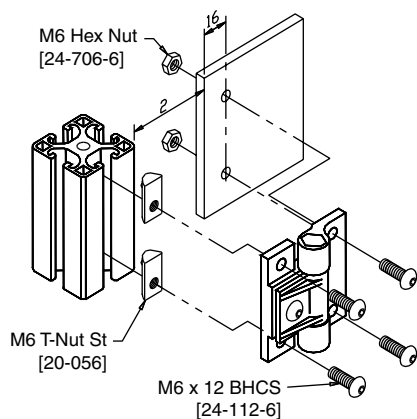
Series	Screw	T-Nut
40	24-120-8	20-058
30	24-116-6	20-056

Ordering Information

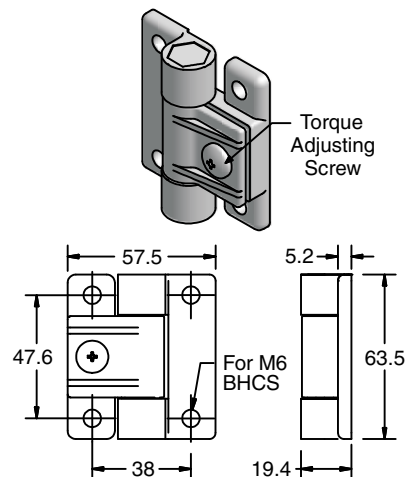
Description

Medium Hinge 30
Medium Hinge 40
Medium Hinge 40 (Locking)

Unit	Weight	Part #
Each	0.18 kg	23-024
Each	0.18 kg	23-025
Each	0.20 kg	23-025L



Adjustable



23-222

Application

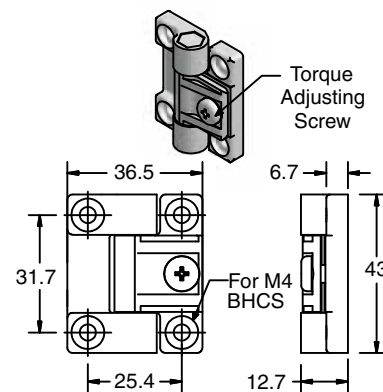
Adjustable tension hinge for swinging doors to hold door open, partially open or closed. Can also adjust speed of opening or closing.

Technical Data

Acetal, Black
Polycarbonate hinge pin
Maximum Torque: 23-220 80 Ncm
23-200 400 Ncm

Recommended Fastening Hardware (Order Separately)

Part #	Series	Screws	T-Nut	Hex Nut
23-222	40	(2) 24-112-6 (2) M6 sized for panel	(2) 20-056	(2) 24-706-6
	1.5"	25-110-4	25-001, 20-083 or 25-193	(2) 25-706-4
23-220	28	(2) 25-110-4 (2) M4 sized for panel	(2) 20-037	(2) 24-706-4
	1"	25-106-1	25-045	—

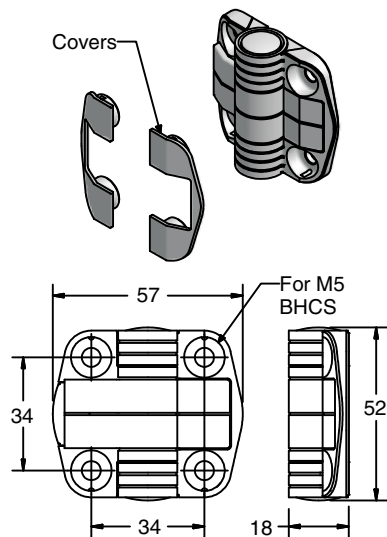


23-220

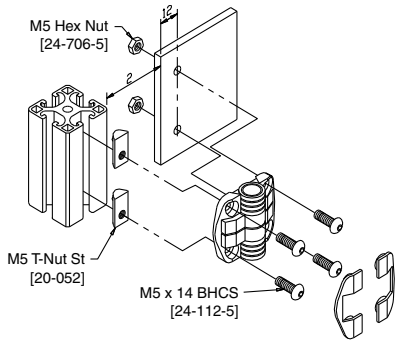
Ordering Information

Description	Unit	Weight	Part #
Adjustable Hinge 40/1.5"	Each	42 g	23-222
Adjustable Hinge 28/1"	Each	38 g	23-220

Positioning



23-226



Application

Multiple position hinge for swinging doors. Models with preset angles also open to 180°.

Technical Data

Acetal, Black
Positioning Torque: 1.1 Nm
Maximum Load: 450N

Recommended Fastening Hardware (Order Separately)

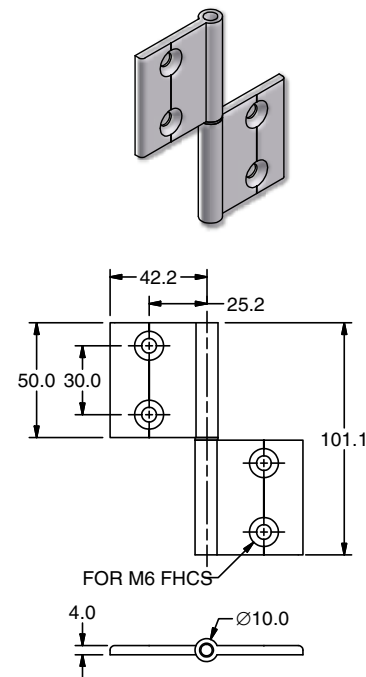
Profile to Panel

Screws	T-Nut	Hex Nut
(4) 24-112-5	(2) 20-052	(2) 24-706-5

Ordering Information

Description	Unit	Weight	Part #
Positioning Hinge 120°	Each	37 g	23-226

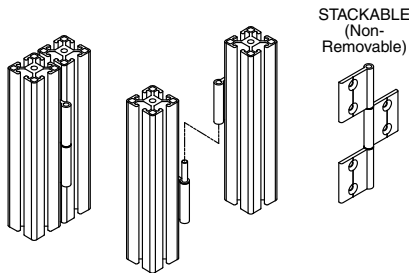
Concealed



23-225

Application

For inside or concealed door or lids. Used with 40 Series profiles using M6 T-nuts. Concealed hinges are stackable to create non-removable hinges. To create a stackable hinge, order an additional hinge half and an additional hinge pin.



Technical Data

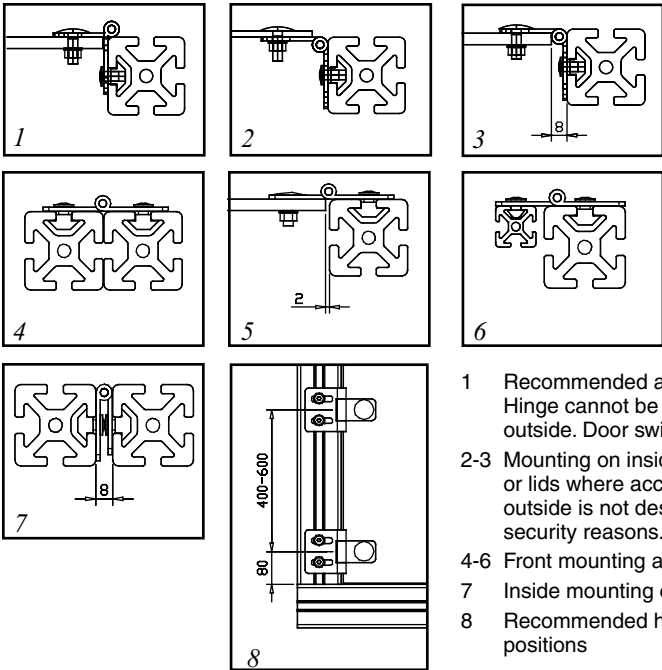
Wings: Aluminum
Bolt: Stainless Steel

Recommended Fastening Hardware (Order Separately)

Screws	T-Nuts
(4) 24-216-8	(4) 20-056

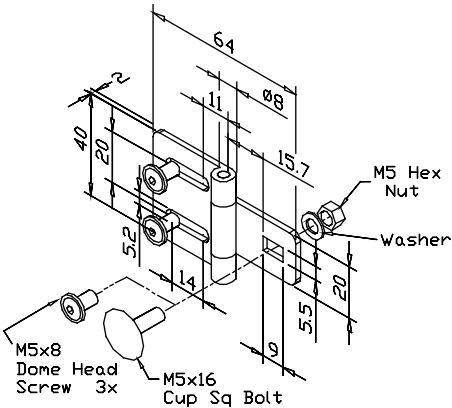
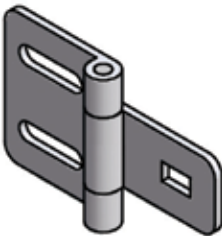
Ordering Information

Description	Unit	Weight	Part #
Full Hinge	1 Set	39.8 g	23-225
Half Hinge	Each	24 g	23-225z1
Hinge Pin	Each	11.8 g	23-225z2



- 1 Recommended attachment.
Hinge cannot be loosened from
outside. Door swings 180°
- 2-3 Mounting on inside of doors
or lids where access from
outside is not desired for
security reasons.
- 4-6 Front mounting applications
- 7 Inside mounting clearance
- 8 Recommended hinge
positions

Multi-Series



Application

For outside or inside of doors and lids.
Used with 40, 30, 28, 20, 1.5" and 1"
Series profiles using M5 T-nuts St or Zn.

Technical Data

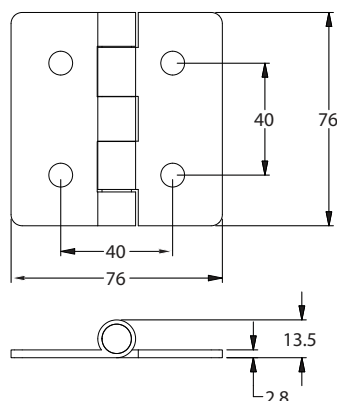
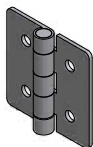
St, black
Includes: M5x16 cup square bolt,
M5 hex nut, M5 washer, three M5x8
dome head screws. Order M5 T-nuts
separately.
Max. load 250 N (56 lbs)

23-016

Ordering Information

Description	Unit	Weight	Part #
Multi-Series Hinge	1 set	51 g	23-016

Butt Hinge 40



23-011
23-011B

Application

Steel hinge for constructing profile framed doors or panel doors. Available in medium and heavy duty version.

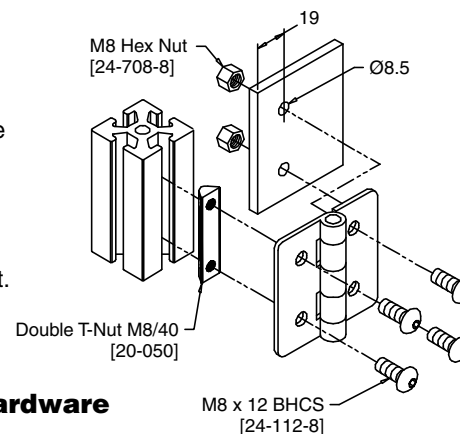
Technical Data

Steel, Zinc Plated or Black Powdercoat.

Recommended Fastening Hardware (Order Separately)

Attachment to T-Slot

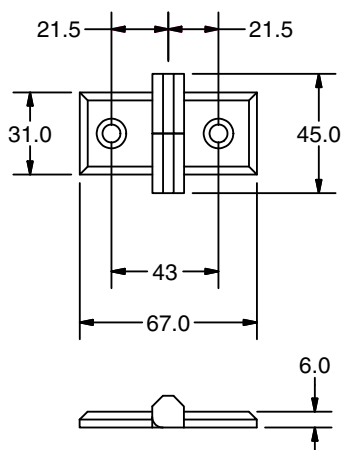
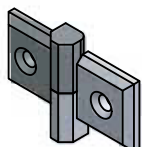
Mounting	Screws	T-Nuts	Hex Nuts
To 40 Series (Per Hinge Side)	(2) 24-112-8	(1) 20-050	—
To Panel (Per Hinge Side)	(2) 24-112-8	—	(2) 24-708-8



Ordering Information

Description	Unit	Weight	Part # (Clear)	Part # (Black)
Steel Hinge, Heavy Duty 40	Each	160 g	23-011	23-011B

Lift-Off Hinge 40



23-440

Application

Versatile hinge for 40 series profiles. For lift-off and non-removable door configurations. Two T-slot alignment blocks are included.

Technical Data

Zinc die cast, black powder coat

Pin: St., zinc plated

Maximum torque 100 Nm (74 ft-lbs)

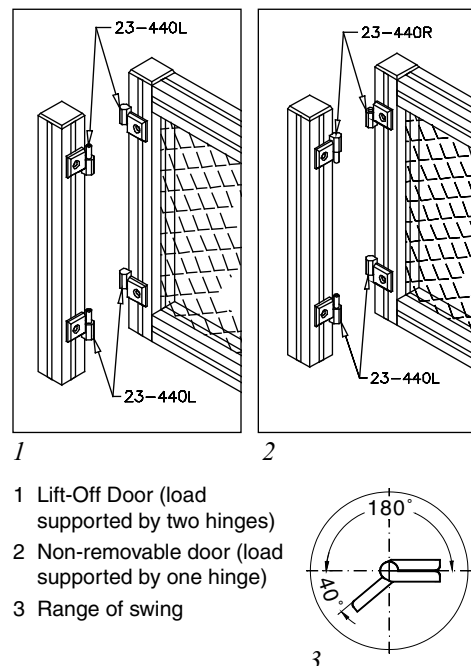
Order all hardware separately.

Attachment to 40 series profiles

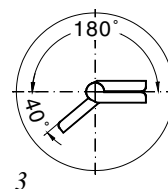
Screws	T-Nuts
24-216-6	20-056 or 20-080

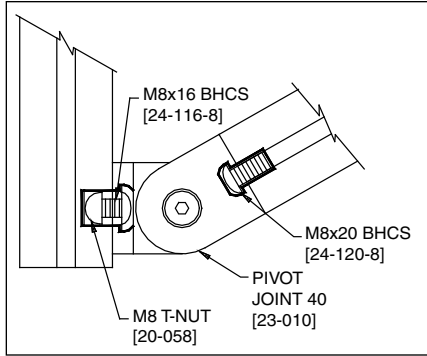
Ordering Information

Description	Unit	Weight	Part #
Lift-Off Hinge 40 Left	1 set	70 g	23-440L
Lift-Off Hinge 40 Right	1 set	70 g	23-440R

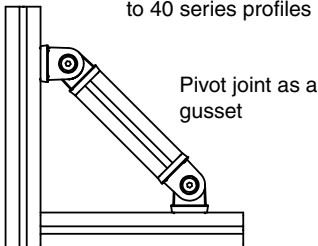


- 1 Lift-Off Door (load supported by two hinges)
- 2 Non-removable door (load supported by one hinge)
- 3 Range of swing

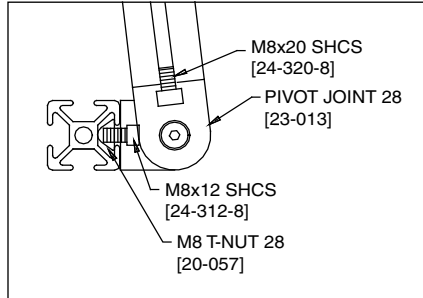




Attaching Pivot Joint 40
to 40 series profiles



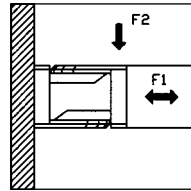
Pivot joint as a
gusset



Attaching Pivot Joint 28
to 28 series profiles

	Load	
	F1 (N)	F2 (N)
23-010: Pivot Joint 40		
Fixed connection	5000	2500
Movable connection	750	750
23-013: Pivot Joint 28		
Fixed connection	1600	800
Movable connection	250	250

Dimensions (mm or inch)						
Series	A	B	C	ØD	ØE	F
40	40	30	9	40	8.5	60
28/30	28	22.5	7	27	8.3	45
1.5"	1.57"	1.18"	0.16"	1.34"	0.335"	2.36"
1"	1.10"	0.89"	0.28"	1.04"	0.260"	1.78"



Application

For connecting profiles at various angles from 0° to 180°. Eliminates the need for a miter cut. Die cast inserts provide alignment with the profile end and prevents rotation.

Technical Data

Zinc Die-Cast, Galvanized
Finishes available: Clear or Black.
Order all hardware separately

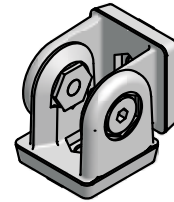
Recommended Fastening Hardware (Order Separately)

Series	Attachment to T-Slot		Attachment to End of Profile
	Screws	T-Nut	Screws
40	24-116-8	20-058	24-120-8
28/30	24-312-8	20-057	24-320-8
1.5"	25-110-5	25-002, 20-082 or 20-182	25-112-5
1"	25-108-4	25-031, 25-034 or 25-036	25-112-4

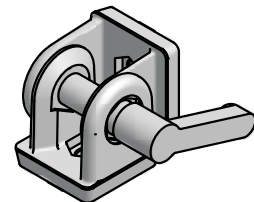
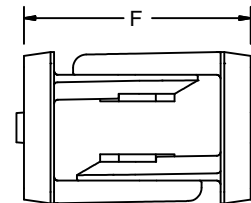
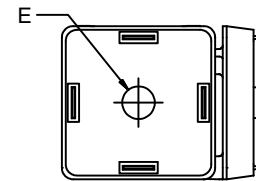
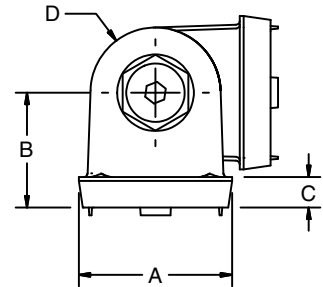
Ordering Information

Series	Description	Unit	Weight	(Clear)	(Black)
40	Pivot Joint	Each	0.37 kg	23-010	23-010B
	Pivot Joint w/Clamp Handle	Each	0.41 kg	23-014	23-014B
30, 28	Pivot Joint	Each	0.11 kg	23-013	23-013B
	Pivot Joint w/Clamp Handle	Each	0.18 kg	23-015	23-015B
1.5"	Pivot Joint	Each	0.32 kg	23-262	
	Pivot Joint w/Clamp Handle	Each	0.41 kg	23-263	
1"	Pivot Joint	Each	0.11 kg	23-260	
	Pivot Joint w/Clamp Handle	Each	0.18 kg	23-261	

Pivot Joint

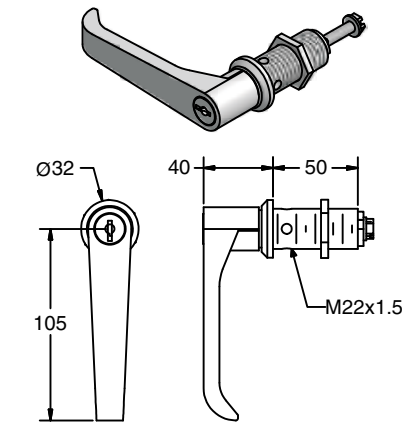


23-010
23-013
23-260
23-262

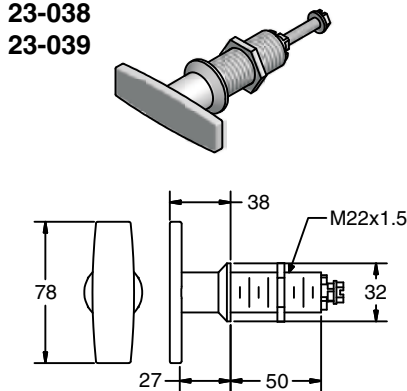


23-014
23-015
23-261
23-263

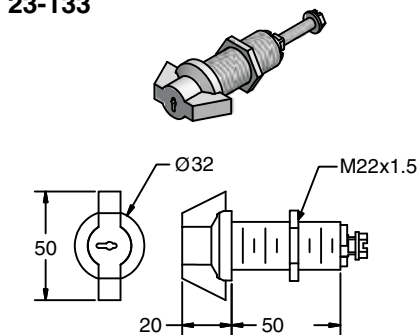
Quarter Turn Extrusion Mount



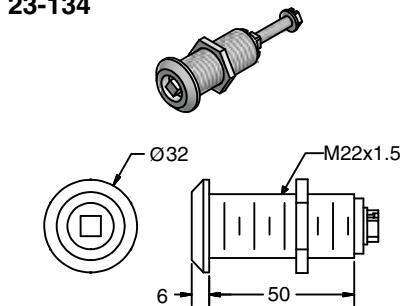
23-038
23-039



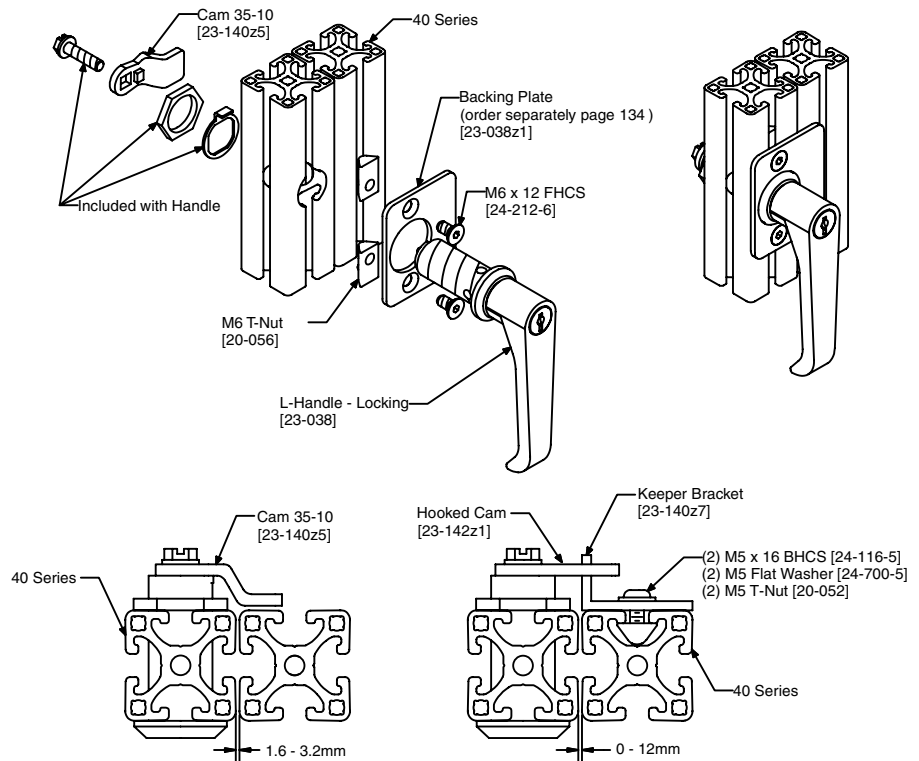
23-133



23-134



23-135



Application

Used for swinging, sliding or bi-fold door applications. Latch mounts through machined hole in extrusion.

Technical Data

Handle: Polyamide, Black

Housing/Insert: Zinc Die Cast, Black Powdercoat.

Ordering Information

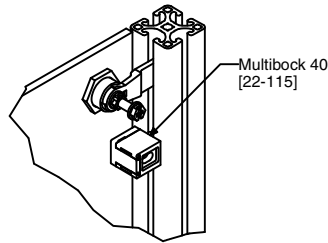
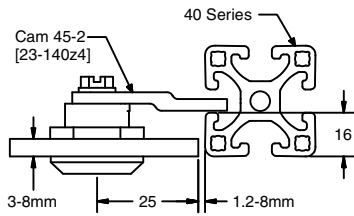
Profile Series	Description	Unit	Weight	Part #
40	L-Handle, Locking ^{1*}	Each	201 g	23-038
	L-Handle, Non-Locking [*]	Each	201 g	23-039
	T-Handle, Non-Locking [*]	Each	200 g	23-133
	Wing Knob, Locking ^{1*}	Each	160 g	23-134
	Square Insert ^{2,3*}	Each	50 g	23-135
28/30	L-Handle, Non-Locking [*]	Each	201 g	23-041
	L-Handle, Locking ^{1*}	Each	201 g	23-040

1. All locks come keyed alike except 28 Series; special keying options available as special order.

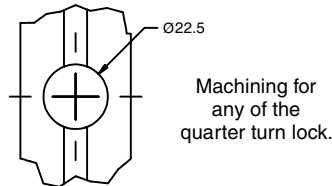
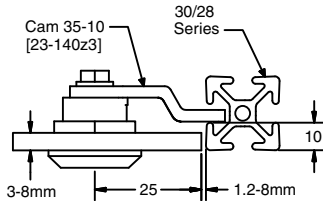
2. Additional style inserts are available as special orders.

3. Order key separately (see page 138).

* Includes 23-038Z3 Keeper



Add a multiblock as a door stop for panel doors.



Application

Used for swinging or sliding door applications. Latch mounts directly to panel.

Technical Data

Handle: Polyamide, Black
Housing/Insert: Zinc Die Cast, Black Powdercoat.

Ordering Information

Description

T-Handle, Non-Locking
Wing Knob, Locking¹
Square Insert²

Unit	Weight	Part #
Each	135 g	23-143
Each	90 g	23-144
Each	50 g	23-145

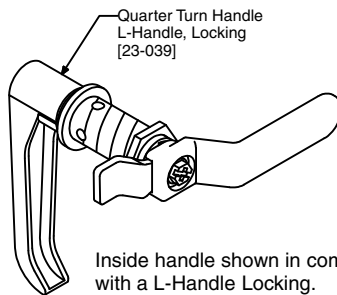
- All Locks come keyed alike; special keying options available as special order.
- Additional style inserts are available as special orders.
- Order key separately (see page 138).

Application

Can be combined with any of our quarter turn handles to extend operation to inside of door.

Technical Data

Polyamide, Red
Requires screw and 2 washers.



Inside handle shown in combination with a L-Handle Locking.

Suggested Fastening Set (Order Separately)

With Outside Handle	Screw	Washers
23-038, 23-039, 23-133	24-345-6	24-707-6, 24-711-6
23-040, 23-041	24-335-6	24-707-6, 24-711-6

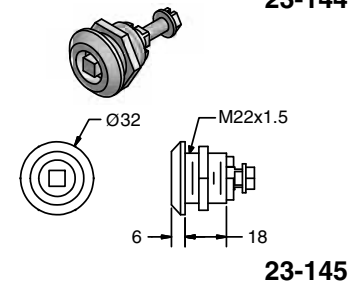
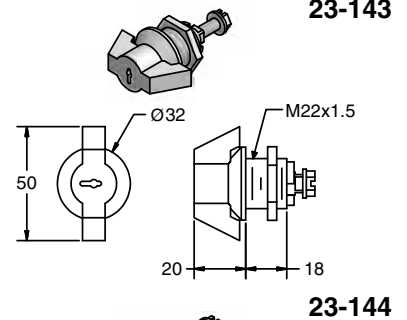
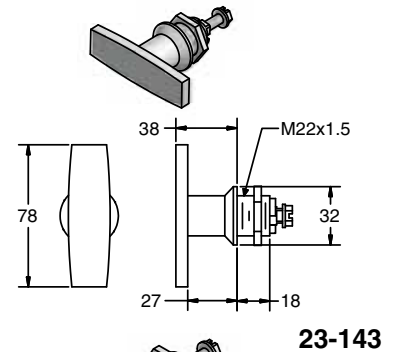
Ordering Information

Description

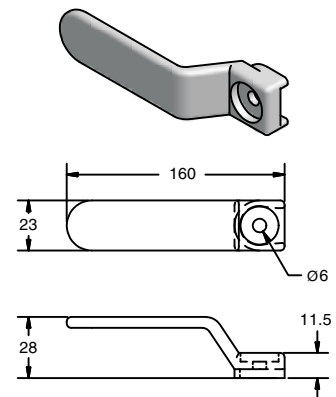
Inside Handle

Unit	Weight	Part #
Each	0.9 g	23-159

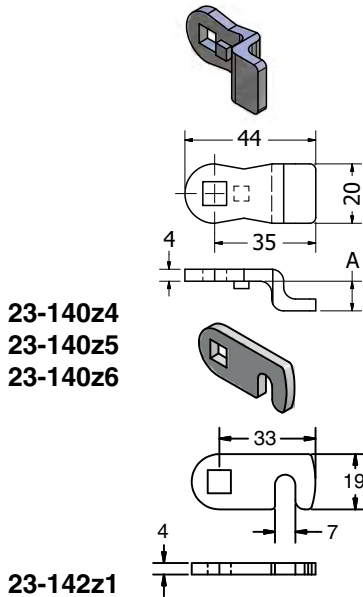
Quarter Turn Panel Mount



Inside Handle



Cams & Keys



Application

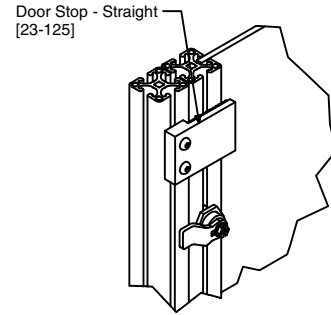
Various cams and keys for the quarter turn latches. You must order one cam per quarter turn lock.

Part #	Dimension A
23-140Z3	8
23-140Z4	2
23-140Z5	10
23-140Z6	-2

Ordering Information

Description

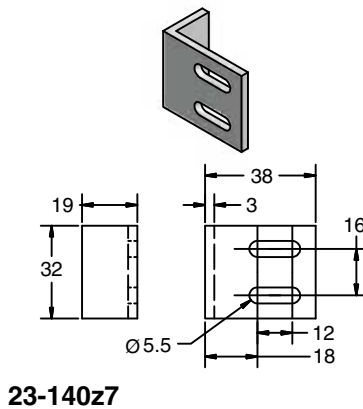
Cam 35-10 (offset 8)
Cam 35-16 (offset 2)
Cam 35-8 (offset 10)
Cam 35-20 (offset -2)
Hooked Cam
Spare Key for 23-038/23-040 & 23-134/23-144
Square Key for 23-135/23-145



Add a door stop to swinging door to create a positive stop.

Unit	Weight	Part #
Each	22 g	23-140Z3
Each	22 g	23-140Z4
Each	18 g	23-140Z5
Each	20 g	23-140Z6
Each	13 g	23-142Z1
Each	4 g	23-140Z1
Each	4 g	23-140Z2

Keeper Bracket



Application

Keeper brackets are used with a hooked cam on bi-fold or sliding doors.

Technical Data

Aluminum, Clear Anodized

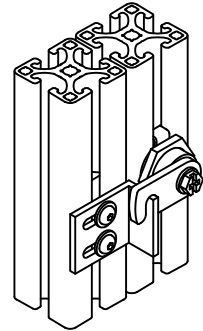
Recommended Hardware (order separately)

Series	Screw	Washer	T-Nut
Metric	24-116-5	24-700-5	20-052
Inch	25-110-2	25-700-2	25-009 or 25-088

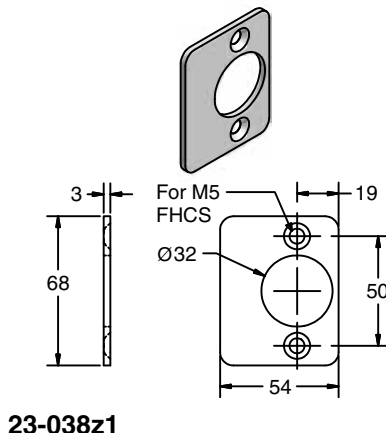
Ordering Information

Keeper Bracket

Unit	Weight	Part #
Each	13 g	23-140z7



Backing Plate



Application

Backing plates can be added to a quarter turn latch and provide a positive stop for the door.

Technical Data

Steel, Matte Black Powder Coated

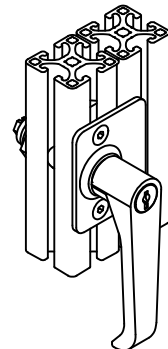
Recommended Fastening Hardware (Order Separately)

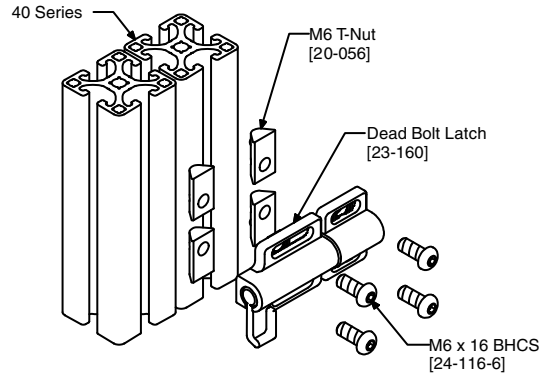
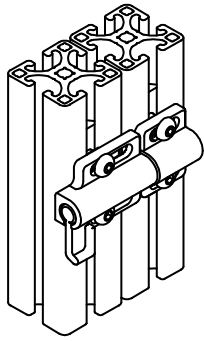
Screws	T-Nut
24-212-5	20-052

Ordering Information

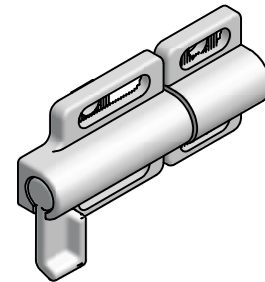
Backing Plate

Unit	Weight	Part #
Each	4.5 g	23-038z1

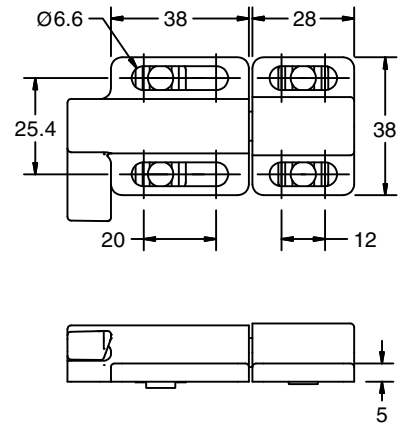




Deadbolt



23-160



Application

Designed to secure doors using a spring loaded latch mechanism. Combine with a door stop for an effective latching solution.

Technical Data

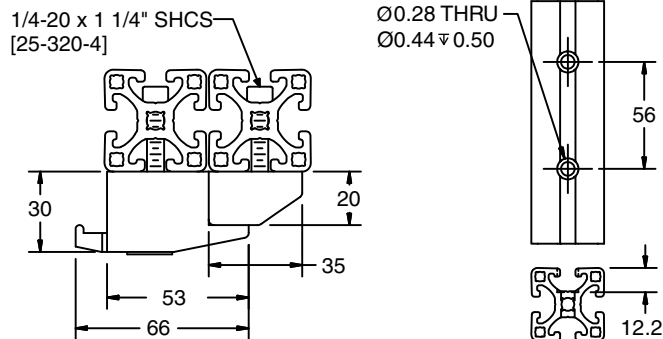
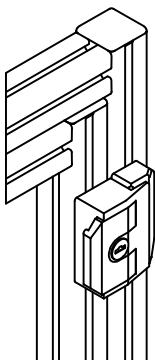
Die-Cast Zinc, Clear

Recommended Hardware (order separately)

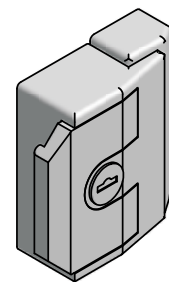
Profile Series	Screws (4)	T-Nut (4)
40	24-116-6	20-056
28/30	25-108-4	25-031
1.5"	25-110-4	25-001, 20-083 or 20-193
1"	25-108-4	25-031, 25-034 or 25-036

Ordering Information

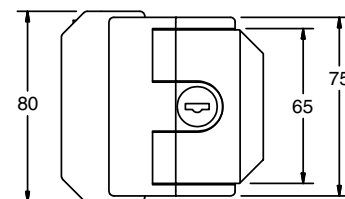
Series	Description	Unit	Weight	Part #
40, 30 & 28	Dead Bolt Latch	Each	9 g	23-160



Slam Latch



23-155
23-156



Application

High strength latch designed to securely close door to the frame. An optional key locking version is available for extra security.

Technical Data

Die-Cast Zinc, Black

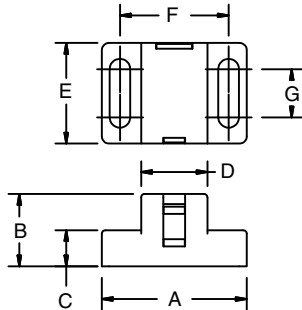
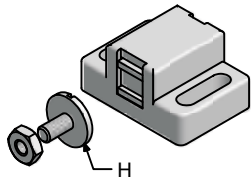
Recommended Fastening Hardware (Order Separately): 25-320-4

Ordering Information

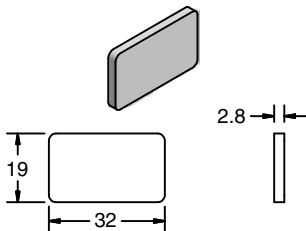
Description	Unit	Weight	Part #
Slam Latch - Locking*	Each	1.25 lb	23-155
Slam Latch - Non-Locking	Each	1.25 lb	23-156

*All locks come keyed alike; special keying options available as special order.

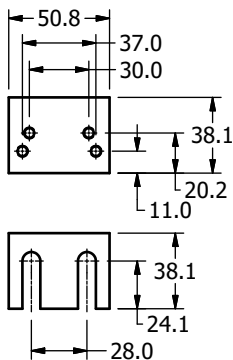
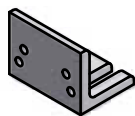
Magnetic Catches



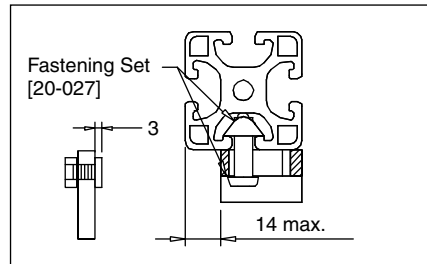
23-045
23-046



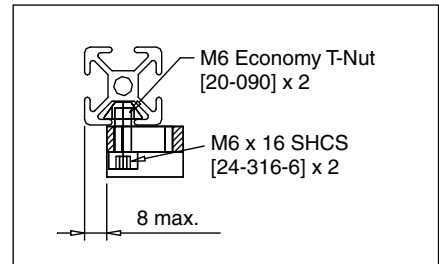
23-051



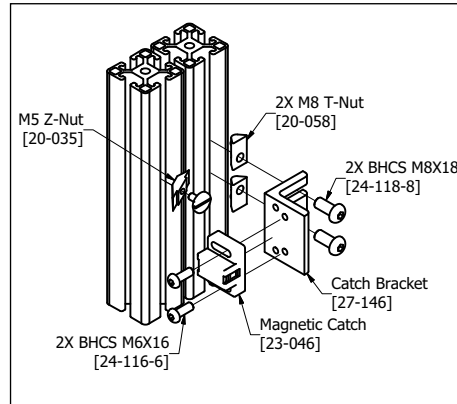
27-146



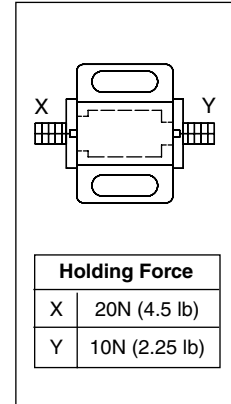
1



2



3



4

- 1 Mounting of 40 Series profile
- 2 Mounting of 28 Series profile
- 3 Assembly of Bracket on 40 Series profile
- 4 Holding force

Holding Force

X	20N (4.5 lb)
Y	10N (2.25 lb)

Application

Quick catch for swinging or sliding doors. For different holding strengths, rotate catch 180°. Adjustable mounting position using slotted holes and appropriate mounting bracket if needed. Complete with pan head screw, or add optional plate for smooth mounting

Technical Data

Magnetic Catch: Glass Filled Nylon
Strike Plate: Steel, Zinc Plated with pressure sensitive adhesive backing.
Mounting Bracket: Aluminum, Clear Anodized.

Recommended Fastening Hardware* (Order Separately)

Series	Screws	T-Nuts
40	(2) 24-120-6	(2) 20-056
28/30	(2) 24-316-6	(2) 20-090
20	(2) 24-110-4	(2) 20-044
1.5"	25-112-4	25-001, 20-083 or 20-193
1"	25-108-2	25-030, 20-088 or 25-035

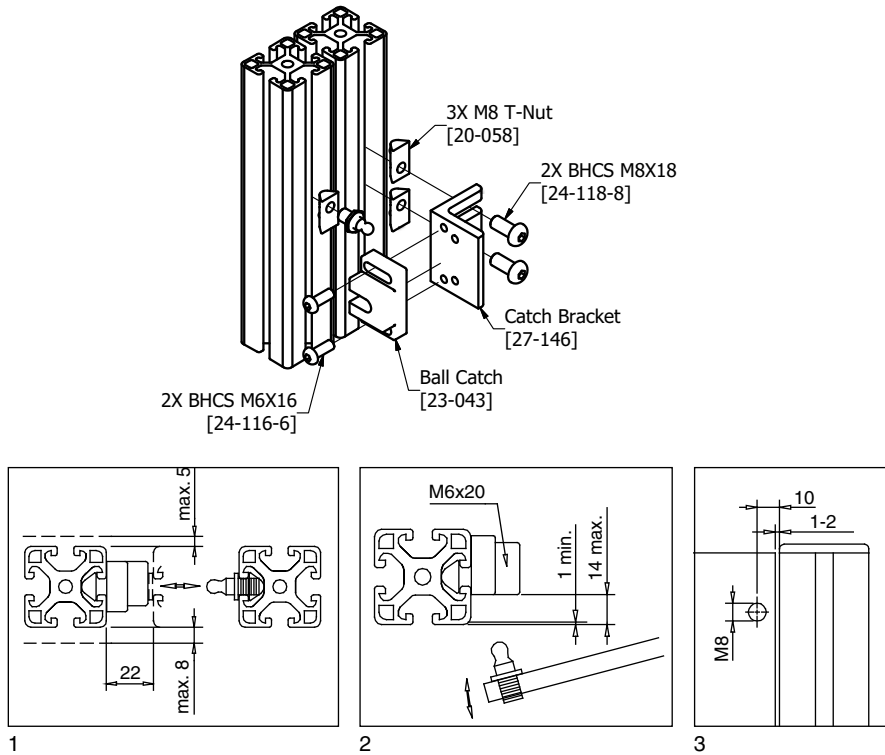
Ordering Information

Series	A	B	C	D	E	F	G	H	Weight	Part #
40, 30, 28, 1.5"	40	20	10	18.32	27.8	30	12.9	M5x12	38 g	23-046
20, 1"	28	14	6	12	17	20	7.7	M4x5	9 g	23-045
All	See drawing								8 g	23-051

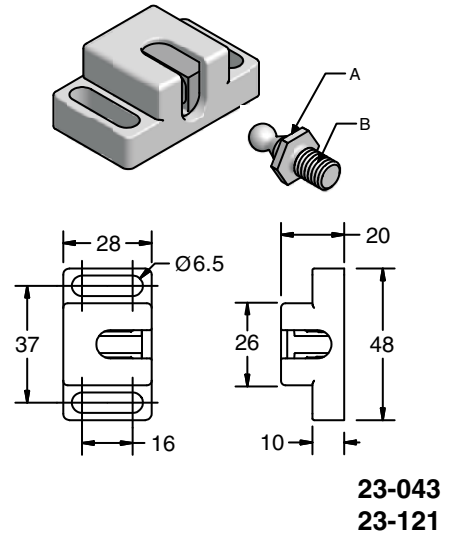
Bracket

Use w/Catch	Description	Thread	Unit	Weight	Part #
23-046	Single Bracket 40	M6	Each	60 g	27-146

Ball Catch PA



- 1 Attachment to a sliding door
- 2 Attachment to a swinging door
- 3 Mounting dimensions



Application

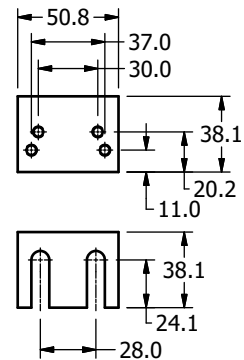
Catch for use on swinging and sliding doors. Brackets can be used to mount the catch in the location that you desire.

Technical Data

Housing: Glass-filled Nylon, Black
Ball Screw: Stainless Steel
Bracket: Aluminum, Anodized
Holding Force: 6.7 - 11 lbs

Recommended Fastening Hardware (Order Separately)

Part #	Screws	T-Nuts
23-043 + 27-146	(2) 24-114-8 and (2) 24-114-6	(3) 20-058
23-043 only	(2) 24-114-6	(1) 20-056
23-121 + 27-146	(2) 25-110-5 and (2) 25-112-4	(2) 25-002 or (1) 25-042 plus (1) 25-001



27-146

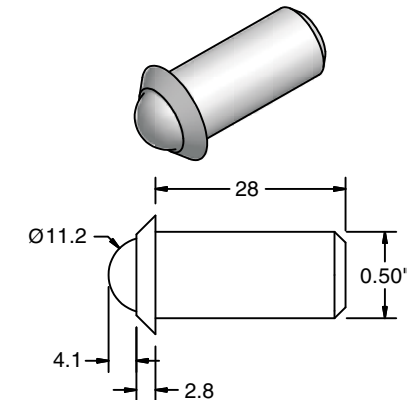
Ordering Information

Series	Description	A (Hex)	B (Thread)	Unit	Weight	Part #
40	Ball Catch	13	M8	Each	23 g	23-043
40/1.5"	Ball Catch	1/2"	1/4-20	Each	29 g	23-121

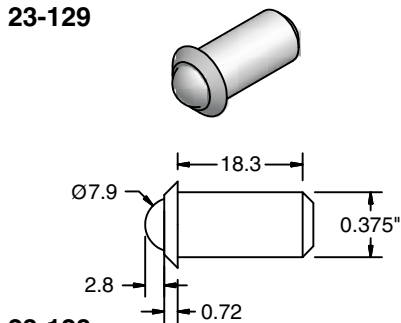
Bracket

Description	Thread	Unit	Weight	Part #
Catch Bracket 40/1.5"	M6	Each	60 g	27-146

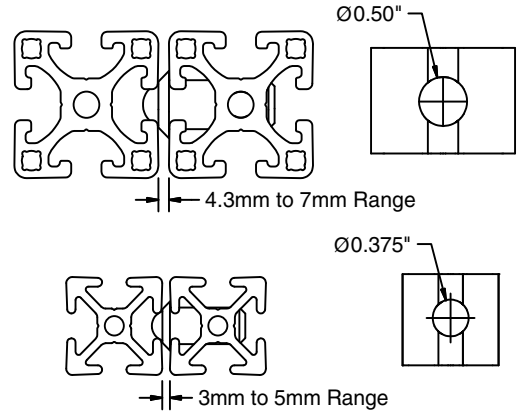
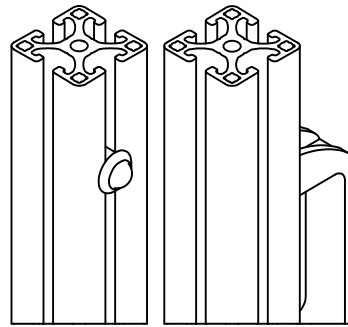
Ball Plungers



23-129



23-128



Application

An economical solution to hold swinging doors closed. The ball plunger presses easily into a machined hole in the extrusion, and the force of the ball in combination with a T-Slot on the door frame holds the door closed.

Ordering Information

Profile Series	Description
40, 30	Ball Plunger, 1/2" Dia. x 28mm
28	Ball Plunger, 3/8" Dia x 18mm

* Requires service 19-022

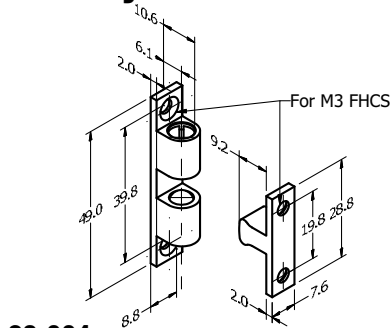
Technical Data

Housing: Steel, Black Oxide
Ball: Nylon

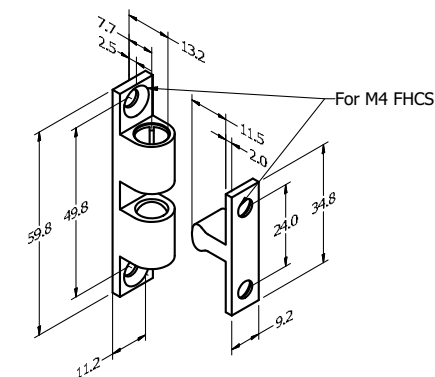
Part#	Holding Force
23-128	5-14 lbs.
23-129	8-18 lbs.

Unit	Weight	Part #
Each	22.7 g	23-129*
Each	13.6 g	23-128*

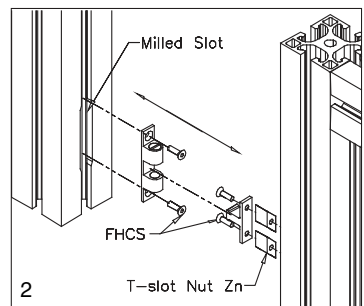
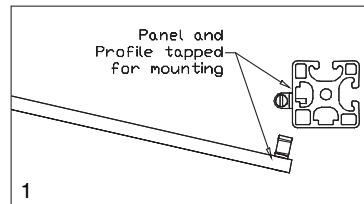
3-Way Ball Catch



23-004



23-012

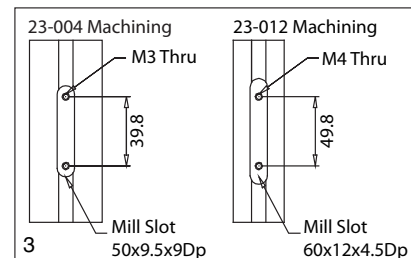


Application

Universal door catch for swinging and sliding doors in small and medium load ranges. Can be mounted in serviced slot for flush closing.

Description

3-Way Ball Catch, Small
3-Way Ball Catch, Medium



- 3-Way Ball Catch on swinging door
- 3-Way Ball Catch on sliding door
- Servicing of the slot for 23-004 on 40 Std or 28/30 series profiles for sliding doors. For 40 series Heavy or Light profiles mill slot 58x9.5x12.3 Dp.

Technical Data

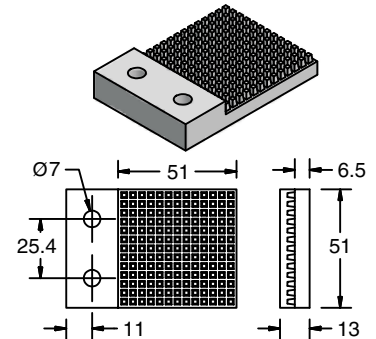
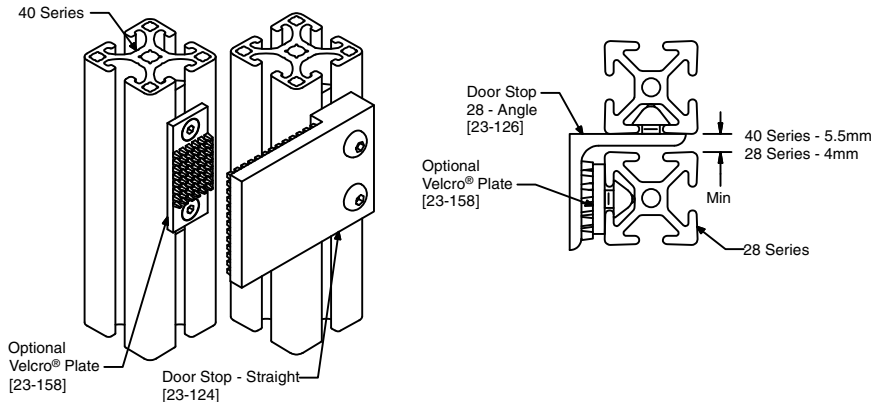
Brass, chrome finish with two steel balls for adjustable spring tension

Order all hardware separately

Part # 23-004	(4) 24-210-3
Part # 23-012	(4) 24-208-4

Unit	Weight	Part #
1 set	26 g	23-004
1 set	40 g	23-012

Light Duty Door Stops



23-124

Application

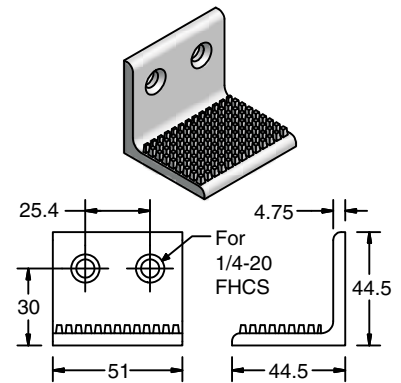
Door Stops provide a positive stop to keep the door lined up with a frame. An optional Velcro® plate can be added to create a light-duty catch.

Technical Data

Aluminum, Clear Anodized
with Velcro® Pad

Recommended Fastening Hardware (Order Separately)

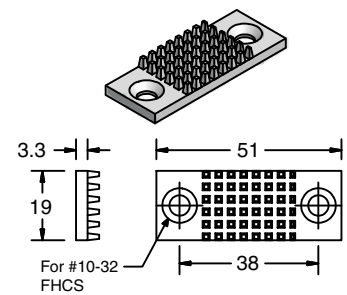
Profile Series	Fastener	Part # 23-124	Part # 23-125	Part # 23-158
40/30 1.5"	Screws	25-114-4	25-210-4	25-208-2
	T-Nuts	25-001 or 20-083	25-001 or 20-083	25-009 or 20-088
28	Screws	25-112-4	25-208-4	25-208-2
	T-Nuts	25-055	25-055	20-038
1"	Screws	25-112-4	25-206-2	25-206-2
	T-Nuts	25-031 or 25-034	25-030 or 25-035	25-030 or 25-035



23-125

Ordering Information

Description	Unit	Weight	Part #
Door Stop - Straight	Each	91 g	23-124
Door Stop 40, 30 - Angle	Each	91 g	23-125
Velcro® Plate	Each	9 g	23-158



23-158*

* For wider surfaces, use 22-145 and apply velcro strip. Order hardware separately.

