

Complete Workstations

Modular designed workstations by IPS offer a wide range of options and accessory combinations. All structural profiles used in our workstations are made of high strength aluminum, combined with our unique fastening system, to provide structural stability. All profiles are clear anodized. Color anodized or epoxy painted are available on request. T-slots permit easy attachment of accessories. Closed slot profiles suitable for clean room conditions are also available. Standard workstation accessories are shown on the following pages.

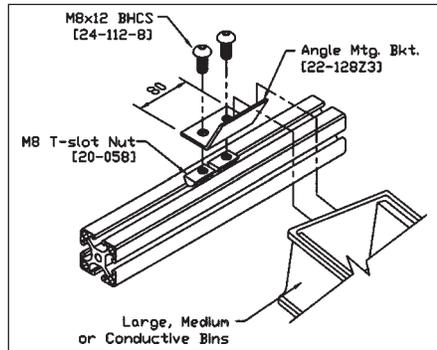
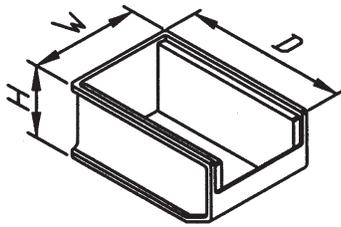
All workstation designs can be customized for your exact needs. Contact your local Technical Service Center for engineering assistance in designing your plant or shop workstations, tables or assembly line.



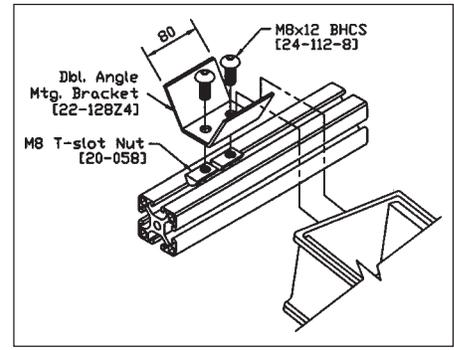
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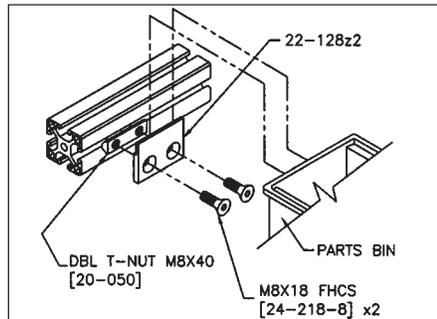
Parts Bin



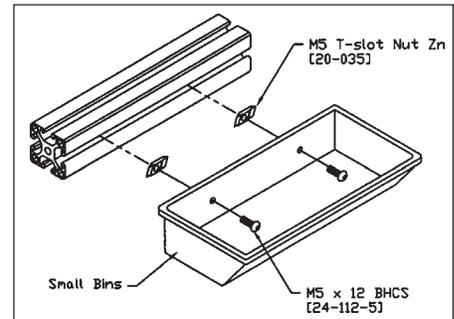
1



2

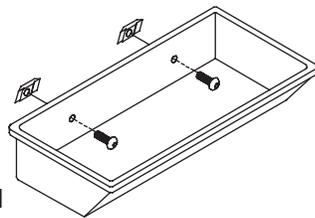


3



4

22-131
22-132



Technical Data

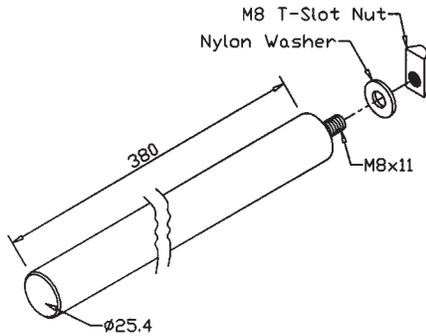
Bins for small to large parts and equipment on work benches, work stations, parts racks, etc. Minimizes parts handling.

Electrically-conductive bins (22-124, 22-125) shield out static. Placing bin on grounded surface or rack automatically grounds bin. Bin material meets requirements EIA-541.

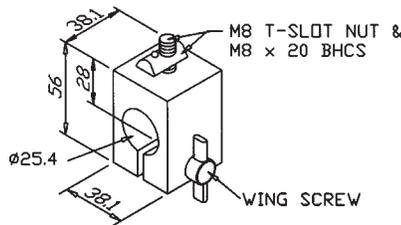
Order all hardware separately (except for 22-131, 22-132)

| Description | Dimensions (mm) | | | Mounting Hardware | Material | Weight (kg) | Part #. |
|-------------------------|-----------------|-----|------|---|---|--------------|---------------------------|
| | W | D | H | | | | |
| Conductive Parts Bin | 105 | 187 | 76 | Not included (See fig. 1-3 for mounting choices) | Electrically conductive plastic, black | .12 | 22-124 |
| | 140 | 280 | 127 | | | .36 | 22-125 |
| Parts Bin | 140 | 280 | 127 | | Heavy duty polypropylene, red | .67 | 22-126 |
| | 280 | | | | | 1.24 | 22-127 |
| | 105 | 135 | 76 | | | .08 | 22-128 |
| | | 187 | | | | .11 | 22-129 |
| | Parts Bin | 110 | 105 | | | 40 | Glass-filled nylon, black |
| 210 | | .20 | | | 22-132 | | |
| Flat Mounting Bracket | 60 | 6.4 | 25.4 | | Not included (See fig. 1-3) | Al, anodized | .02 |
| Angled Mounting Bracket | 80 | 47 | 30 | .08 | | | 22-128Z3 |
| Double Mounting Bracket | | 74 | | .07 | | | 22-128Z4 |

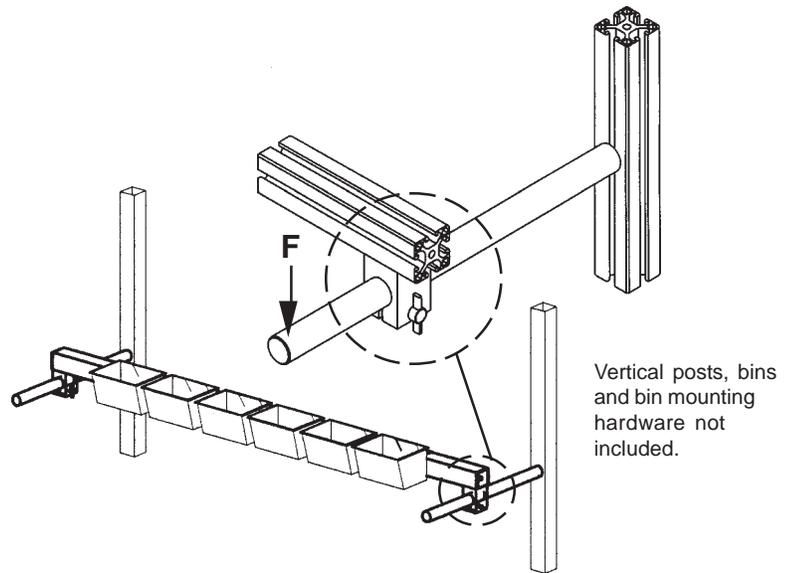
Adjustable Bin Mounting Components



22-130



22-134



Application

Adjustable bin mounting system for 40 Series work stations and assembly lines. Allows shelf adjustment in two directions: up-down and in-out. 40 series profile can be used as brace for bins at any required horizontal length.

Bins and bin mounting hardware must be ordered separately.

Technical Data

Slide Rail: Al, clear anodized
Slide Collar: Delrin, black
Includes all hardware as shown.

Max. load $F = 60 \text{ N}$ (13.5 lbs)

Mounting Brace includes: profile and two end caps.

Description

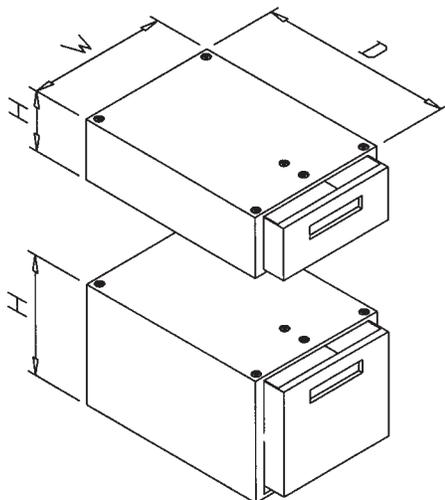
Bin Mounting Slide Rail (2 req.)
Slide Collar (2 req.)

| Unit | Weight | Part # |
|-------|--------|--------|
| 1 set | .53 kg | 22-130 |
| 1 set | 81 g | 22-134 |

Bin Mounting Brace 48"
Bin Mounting Brace 60"

| | | |
|-------|--|--------|
| 1 set | | 50-522 |
| 1 set | | 50-524 |

Drawer



Technical Data

Grey painted steel construction with ball bearing slides and padlock attachment. Stackable.

Order all hardware separately

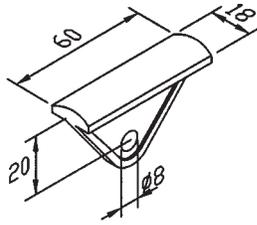
For mounting to 40 series profile:
M8 T-slot nut (20-058), M8x18 BHCS (24-118-8), M8 flat washers (24-200-8).

Description (W x D x H)
Drawer 15.75 x 20 x 6.75"
Drawer 15.75 x 20 x 13.5"

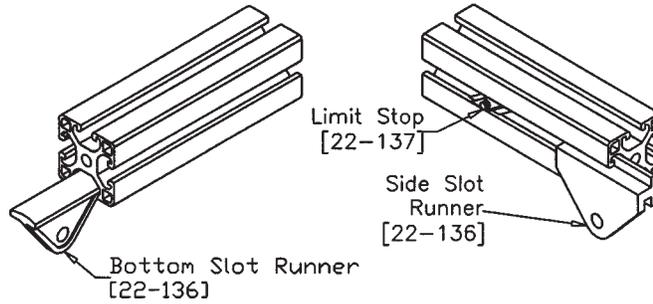
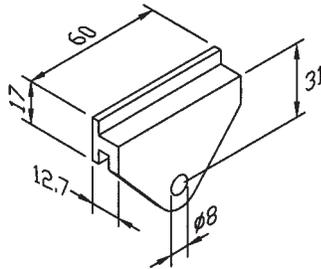
Part #
DRW100
DRW200

Tool Runner

22-136



22-135



Application

To suspend and position tools at work stations. Runner slides in 40 series profile.

Technical Data

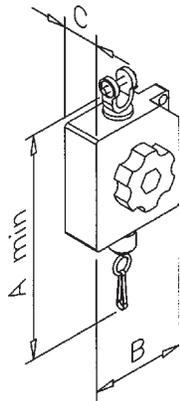
Runner: glass-filled nylon, black
Runner 90°: UHMW, black
Max. load 100 N (23 lbs)
Runner Stop includes M5 T-slot nut Zn 40 and M5x16 flat point set screw

Description

Runner
Runner 90°
Runner Stop

| Unit | Weight | Part # |
|-------|--------|--------|
| 1 pc | 12 g | 22-136 |
| 1 pc | 18 g | 22-135 |
| 1 set | 7 g | 22-137 |

Tool Retractor

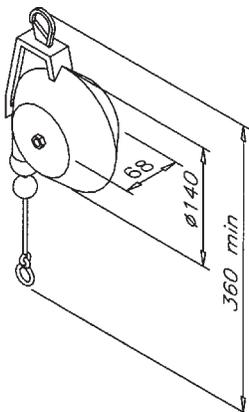


Application

A light amount of downward force must be continually applied to keep the suspended tool in its position. No tools are required to adjust tension. Durable nylon cable for long life and reduced maintenance. Mounts to tool boom with tool runners 22-135 and 22-136.

| Dimensions (mm) | | | Capacity | | Part # |
|-----------------|-------|------|----------|-----------|----------|
| A min | B | C | lbs | kg | |
| 236.1 | 101.6 | 55.6 | 1 - 2 | 0.5 - 0.9 | 50-600-1 |
| | | | 2 - 4 | 0.9 - 1.8 | 50-601-1 |
| 330.2 | 139.7 | 78.5 | 4 - 6 | 1.8 - 2.7 | 50-602-1 |
| | | | 6 - 8 | 2.7 - 3.6 | 50-603-1 |

“Zero Gravity” Tool Balancer



Application

Allows worker to move suspended tool up and down with very little effort. Also capable of stationary positioning. Improves productivity and reduces fatigue of operator. Stranded steel cable support. Mounts to tool boom with tool runners 22-135 or 22-136.

| Description | Capacity | | Part # |
|---------------|------------|-----------|--------|
| | lbs | kg | |
| Tool Balancer | 0.8 - 2.6 | 0.4 - 1.2 | 50-600 |
| | 2.6 - 5.7 | 1.2 - 2.6 | 50-601 |
| | 5.7 - 8.4 | 2.6 - 3.8 | 50-602 |
| | 8.4 - 11.5 | 3.8 - 5.2 | 50-603 |

Monitor/Keyboard Swing Arm Kit



Application:

Kit for mounting to any 40 series profile, allowing user to customize height position of monitor and keyboard to individual requirements. Sold in kit only.

Technical Data:

St: gloss black painted

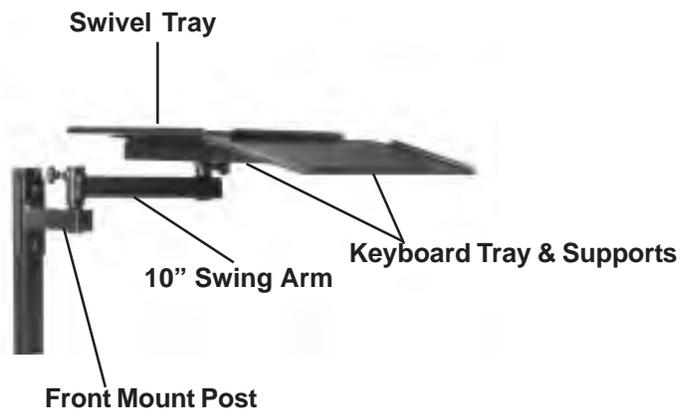
Kit Includes:

- swivel tray
- keyboard tray
- 10" swivel arm
- front mount post

Order all hardware separately:
2 X M8 HD T-slot nut (20-064)
2 X M8 x 16 BHCS (24-116-8)

Part

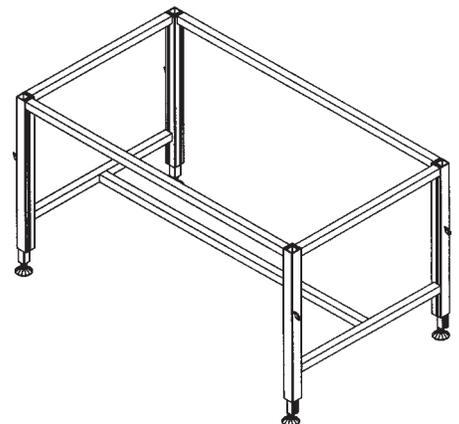
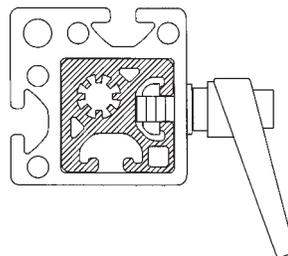
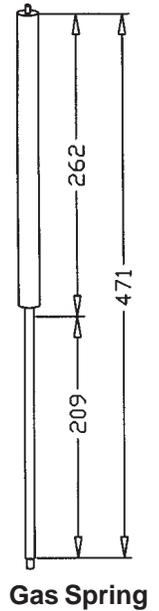
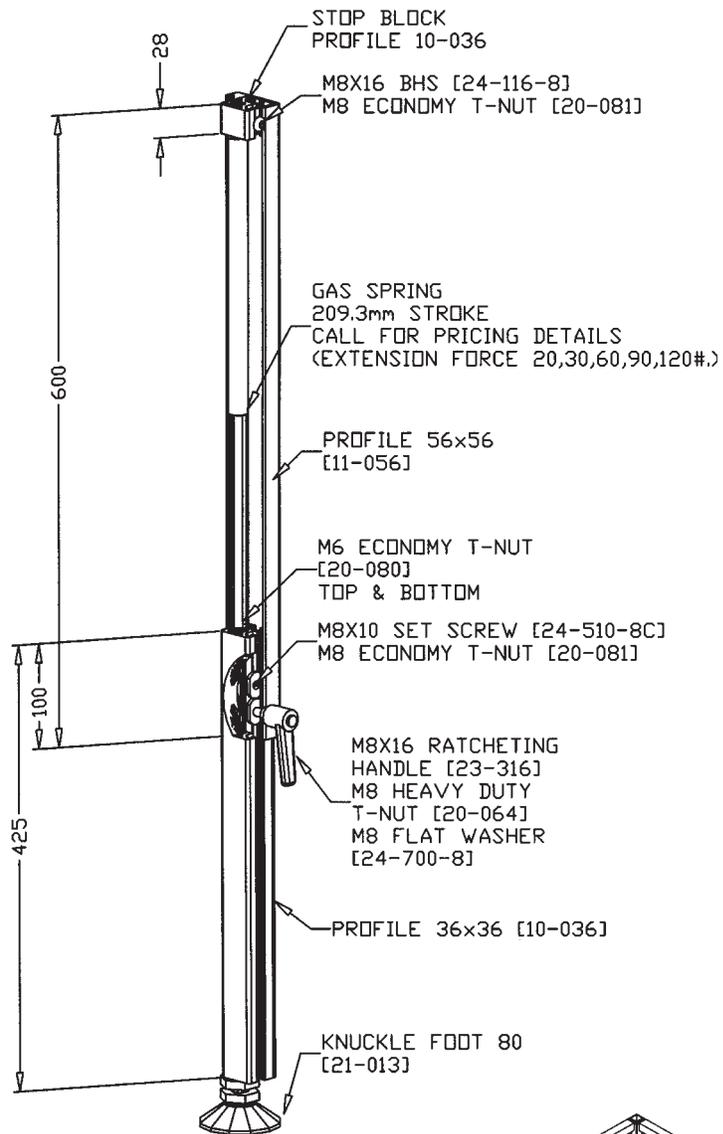
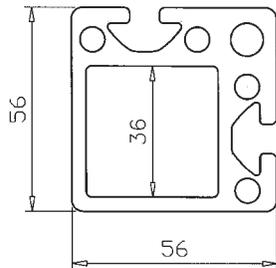
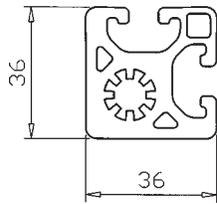
50-670



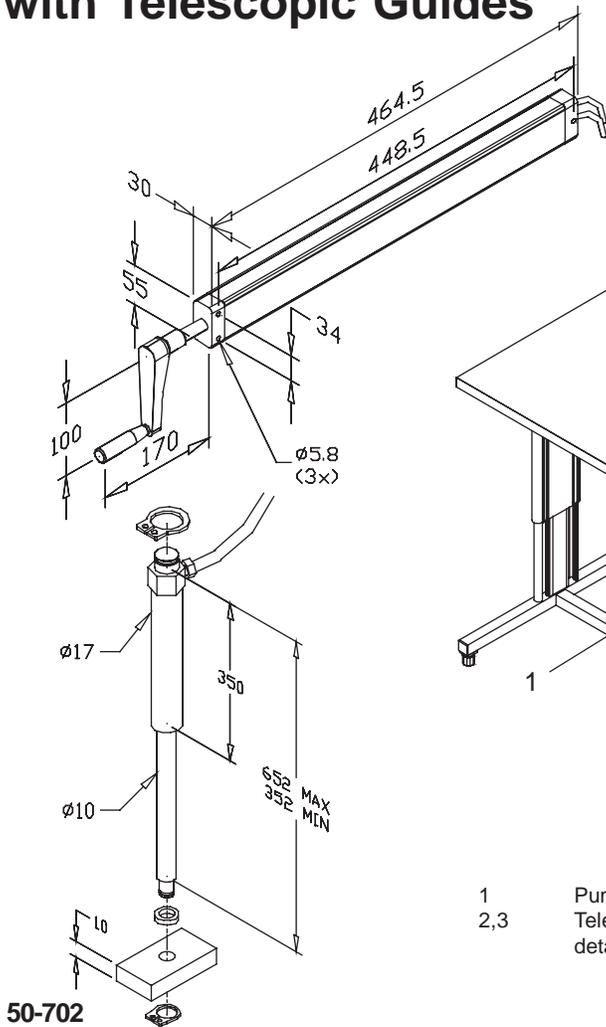
2

Gas Spring Lift System

Telescoping post made out of 36x36 (10-036) and 56x56 (11-056) profiles, equipped with gas spring. Can be built to any size and various lifting capabilities. Hydraulic lift systems that fit in the cavity of 56x56 profile are also available. Call us with your special needs.



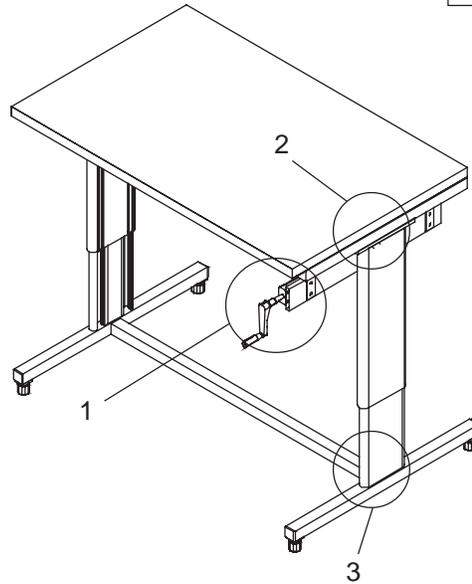
2-Cylinder Lift System with Telescopic Guides



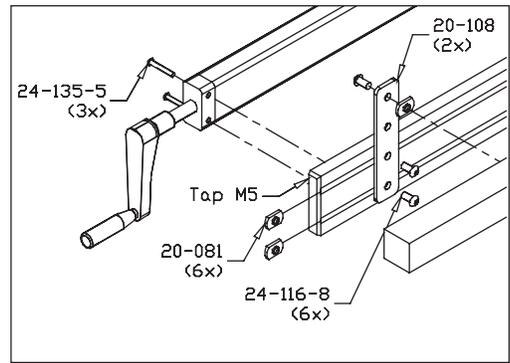
50-702

50-703

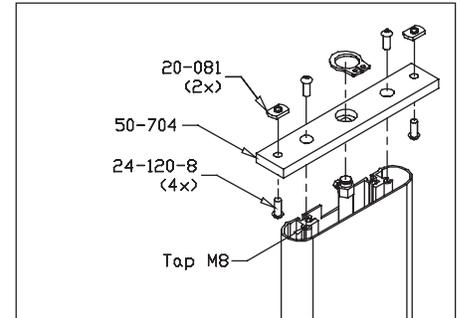
* Distance between mounting holes
** Cylinder mounting distance



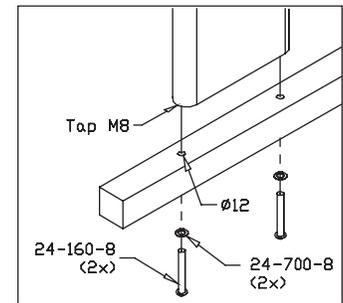
1 Pump mount details.
2,3 Telescopic guide and cylinder mount details (hardware quantities shown per side).



1



2



3

Application

2-Cylinder Lift System together with Telescopic Guides create a compact versatile height adjustment mechanism. The system consists of two fluid-drive cylinders connected by flexible tubing to a manual pump with a unique "fold-away" hand crank. Due to cylinder internal construction, use of telescopic guides is required. Each guide has four mounting holes (two on top, two on bottom) that can be tapped for M8 or 5/16"-18.

Order mounting hardware for pump and telescopic guides separately (see application illustration).

Spare retainer rings for cylinder: 800.09 (upper), 800.08 (lower)

Technical Data

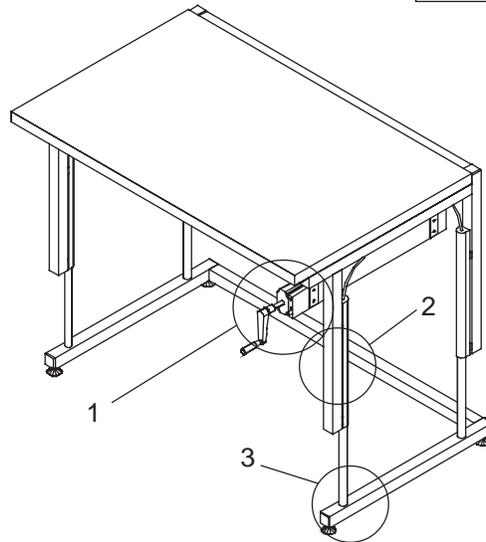
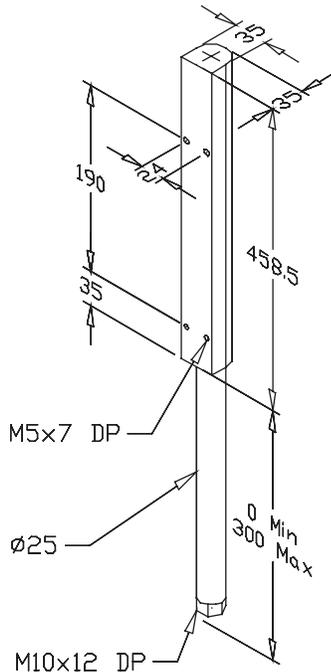
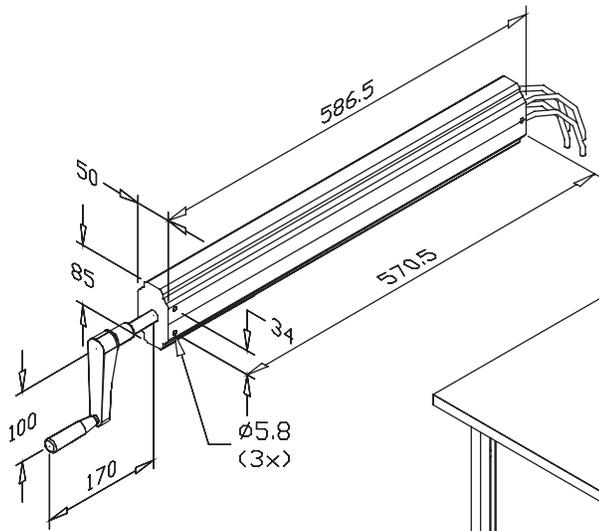
Maximum lift capacity 2224 N (500lbs.)
Adjustment range 300mm
Cylinders are single acting. External force of approx. 67 N (15 lbs.) is required for return stroke.
Tubing length: one at 8' and one at 10' section.
Minimum bending radius for tubing 40mm.
Operating temperature 0 - 115°F.

Description

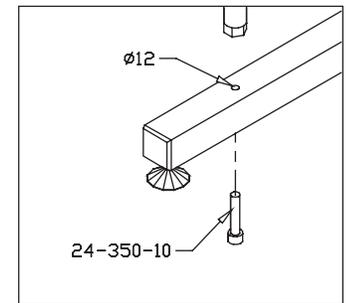
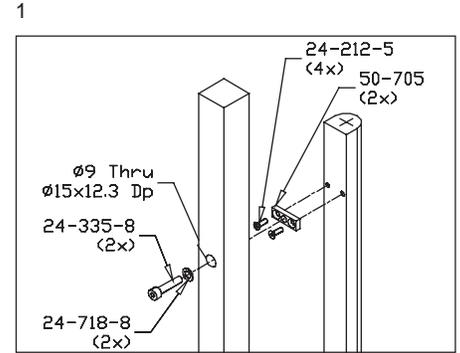
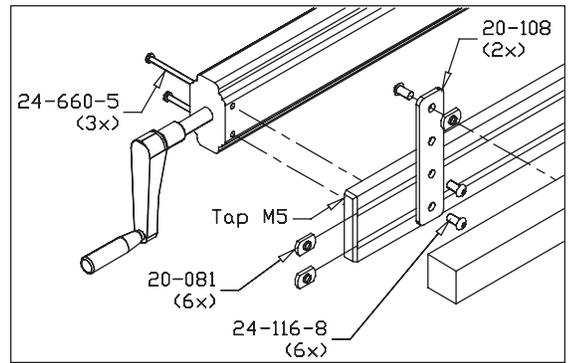
2-Cylinder Lift System
Telescopic Guide (2 required)
Mounting Plate for 50-703

| Unit | Weight | Part # |
|-------|--------|--------|
| 1 set | | 50-702 |
| 1 pc | 4.3 kg | 50-703 |
| 1 pc | 6 g | 50-704 |

4-Cylinder Lift System



1 Pump mount details.
2,3 Cylinder mount details (hardware quantities shown per cylinder).



Application

4-Cylinder Lift System is a compact versatile height adjustment mechanism. It consists of four fluid-drive cylinders connected by flexible tubing to a manual pump with a unique "fold-away" hand crank. The cylinders are completely self-contained, requiring no external support structure. Each cylinder has five pre-tapped mounting holes: four on a flat side (M5x7mm deep) and one at the bottom (M10x12mm deep).

Technical Data

Maximum lift capacity 3336 N (750lbs.)
Adjustment range 300mm
Cylinders are single acting. External force of approx. 89 N (20 lbs.) is required for return stroke.
Tubing length: two at 8' and two at 10' section.
Minimum bending radius for tubing 40mm.
Operating temperature 0 - 115°F.

Order all mounting hardware separately (see application sample 1-3).

| Description | Unit | Weight | Part # |
|--|-------|---------|--------|
| 4-Cylinder Lift System | 1 set | 11.7 kg | 50-700 |
| Mounting Plate for 50-700 (2 per cylinder) | 1 pc | 6 g | 50-705 |

