


**Middle Atlantic Products**

EXCEPTIONAL SUPPORT &amp; PROTECTION™

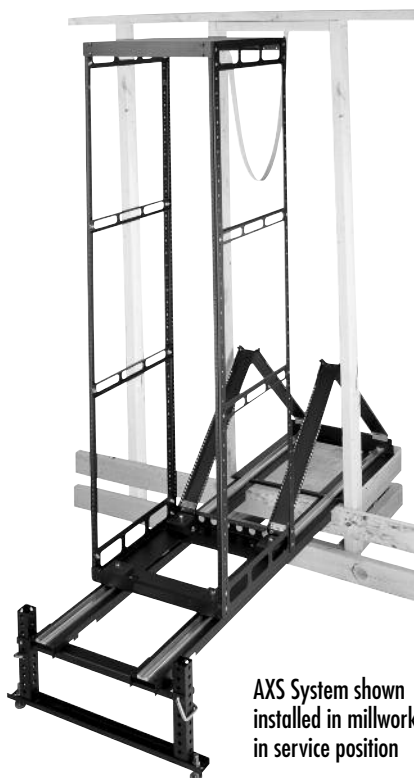
# AXS System For Millwork & In-Wall


**US Patent # 5,443,312**
**EIA/TIA Compliant**

The AXS system allows an entire bay of equipment to pull out for easy installation or service. The telescoping service stand and tracks disconnect for storage.

## Features

- Simplifies millwork cabinet design
- Shortens installation & service time
- Rack can be mounted from 3" to 40" off floor
- Available with 26", 20" and 16-1/2" frame depths
- Articulating cable carriers provide effective cable management
- Frame heights from 10 spaces (17-1/2") or 15 spaces (26-1/4") to 43 spaces (75-1/4")
- Service stand is quick and simple to install
- Ball bearings allow smooth roll out
- 650 lb. weight capacity with proper weight distribution



AXS System shown installed in millwork in service position

Also available



AX-SXR Rotating Slide-Out System™ for millwork and in-wall installations, please see A&E specification # 96-01000

## Architects' and Engineers' Specifications

Patented EIA compliant 19" slide-out equipment rack for millwork installation shall be Middle Atlantic Products model #\_\_\_ (refer to chart). Rack shall have \_\_\_ useable rackspaces, overall height of \_\_\_, and a useable depth of \_\_\_ (refer to chart). Rough-in millwork dimensions shall have a minimum depth of \_\_\_ (refer to chart) with a 1/2" setback, overall width of \_\_\_ (refer to specs) and a weight capacity of 650 lbs. with proper weight distribution. Rack shall be constructed of the following materials: top, base, caster brackets, and horizontal braces shall be 13-gauge steel with black powder coat finish, rack uprights shall be 11-gauge steel rackrail with tapped 10-32 mounting holes in universal EIA spacing. Rackrail shall be finished in black e-coat with marked rackspaces, top and bottom trim panels shall be 11-gauge aluminum with a black brushed and anodized finish. Cable carrier shall be constructed of the following materials: cable carrier and lower hinges shall be constructed of 16-gauge steel, center hinge shall be constructed of 10-gauge steel and cable carrier shall be finished in a black powder coat. Rack top shall have openings to accept up to 2 fans, model # AXS-FAN (one fan) or AXS-FAN-K (two fans). Service tracks and stands shall be constructed of a 13-gauge steel frame with an aluminum extrusion. Service tracks for AXS, SAX and AXS-xx-26 systems shall be model # TRACK50 with a 50" track length and 48" rack frame extension depth. Service Tracks for AX-SX and SSAX systems shall be model # TRACK25 with a 25" track length and 25" rack frame extension depth. Service stand shall be model # TRACKL (for 2-1/4" - 3-1/4" mounting height off floor), TS310 (for

3"-11" mounting height off floor), TS1022 (for 10"-22" mounting height off floor) and TS1640 (for 16"-40" mounting height off floor). Rack shall be GREENGUARD Indoor Air Quality Certified for Children and Schools. Rack shall be RoHS EU Directive 2002 / 95 / EC compliant. Rack shall be manufactured by an ISO 9001 and ISO 14001 Registered Company. Rack shall be warrantied to be free from defects in material or workmanship for a period of 3 years.

### OPTIONS

- Optional slim fan for AXS systems shall be model # AXS-FAN. Kit with 2 fans shall be model # AXS-FAN-K
- Optional 20" and 26" full-depth front and rear mount AXS rackshelf shall be model # SH-5A (fits AXS, AX-SX, SAX and SSAX), SH-5A-26 (fits AXS-XX-26)
- Optional cable management tray shall be model # AXS-WT25 (fits AX-SX, SSAX), AXS-WT50 (fits AXS, SAX)
- Brush gasket shall require 19-5/8" rough-in opening width and shall be model # BG17
- Gasket and guide to center rack and protect millwork requires 19-5/8" rough-in opening width and shall be model # AXS-GGxx (xx=depth of rack; 16, 20, 26)

**CUSTOMIZABLE SPECIFICATION CLIPS AVAILABLE AT MIDDLEATLANTIC.COM**

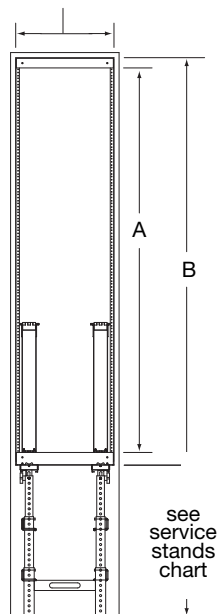
# Specifications for AXS System

All dimensions in inches [Bracketed dimensions are in millimeters]



## FRONT VIEW

19-1/4 [489] min. finished opening width without gasket  
19-5/8 [498] when using optional gasket

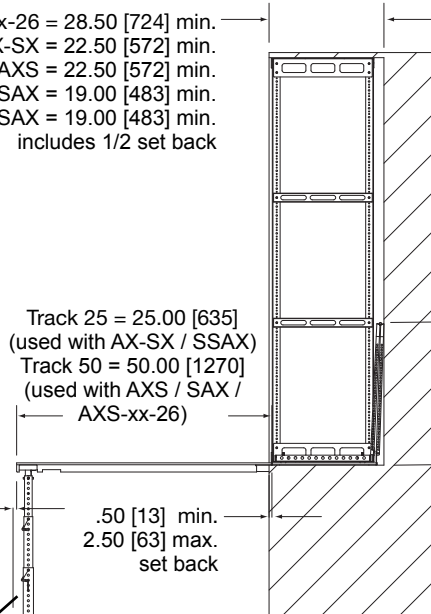


AXS-xx-26 = 28.50 [724] min.  
AX-SX = 22.50 [572] min.  
AXS = 22.50 [572] min.  
SSAX = 19.00 [483] min.  
SAX = 19.00 [483] min.  
includes 1/2 set back

## TOP VIEW



## SIDE VIEW



Track 25 = 25.00 [635]  
(used with AX-SX / SSAX)  
Track 50 = 50.00 [1270]  
(used with AXS / SAX /  
AXS-xx-26)

.518 [13]  
TS1022/  
TS1640 and  
4.743 [120]  
TS310

.50 [13] min.  
2.50 [63] max.  
set back

AXS-xx-26 = 28.00 [711]  
AX-SX = 17.00 [432]  
AXS = 28.00 [711]  
SSAX = 17.00 [432]  
SAX = 28.00 [711]

NOTE: Service stand TS1022 and TS1640 in  
outer-most position will extend .517" beyond  
track, TS310 will extend 4.743" beyond track,  
TRACKL does not extend beyond track.

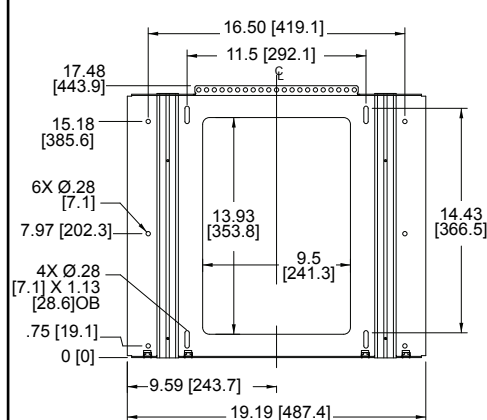
## MILLWORK SPECIFICATIONS

| A<br># OF USEABLE<br>RACKSPACES | A<br>USEABLE RACK<br>HEIGHT (in.) | B<br>MILLWORK OPENING<br>HEIGHT (in.)* |
|---------------------------------|-----------------------------------|----------------------------------------|
| **10                            | 17-1/2 [444]                      | 22-3/16 [568]                          |
| **11                            | 19-1/4 [489]                      | 23-15/16 [608]                         |
| **12                            | 21 [533]                          | 25-11/16 [653]                         |
| **13                            | 22-3/4 [578]                      | 27-7/16 [697]                          |
| **14                            | 24-1/2 [622]                      | 29-3/16 [741]                          |
| 15                              | 26-1/4 [667]                      | 30-15/16 [786]                         |
| 16                              | 28 [711]                          | 32-11/16 [837]                         |
| 17                              | 29-3/4 [756]                      | 34-7/16 [875]                          |
| 18                              | 31-1/2 [800]                      | 36-3/16 [919]                          |
| 19                              | 33-1/4 [845]                      | 37-15/16 [964]                         |
| 20                              | 35 [889]                          | 39-11/16 [1011]                        |
| 21                              | 36-3/4 [934]                      | 41-7/16 [1053]                         |
| 22                              | 38-1/2 [978]                      | 43-3/16 [1097]                         |
| 23                              | 40-1/4 [1022]                     | 44-15/16 [1142]                        |
| 24                              | 42 [1067]                         | 46-11/16 [1186]                        |
| 25                              | 43-3/4 [1112]                     | 48-7/16 [1231]                         |
| 26                              | 45-1/2 [1156]                     | 50-3/16 [1275]                         |
| 27                              | 47-1/4 [1200]                     | 51-15/16 [1319]                        |
| 28                              | 49 [1244]                         | 53-11/16 [1364]                        |
| 29                              | 50-3/4 [1289]                     | 55-7/16 [1408]                         |
| 30                              | 52-1/2 [1334]                     | 57-3/16 [1453]                         |
| 31                              | 54-1/4 [1378]                     | 58-15/16 [1497]                        |
| 32                              | 56 [1423]                         | 60-11/16 [1545]                        |
| 33                              | 57-3/4 [1467]                     | 62-7/16 [1586]                         |
| 34                              | 59-1/2 [1512]                     | 64-3/16 [1631]                         |
| 35                              | 61-1/4 [1556]                     | 65-15/16 [1675]                        |
| 36                              | 63 [1600]                         | 67-11/16 [1720]                        |
| 37                              | 64-3/4 [1645]                     | 69-7/16 [1764]                         |
| 38                              | 66-1/2 [1689]                     | 71-3/16 [1809]                         |
| 39                              | 68-1/4 [1734]                     | 72-15/16 [1853]                        |
| 40                              | 70 [1778]                         | 74-11/16 [1898]                        |
| 41                              | 71-3/4 [1823]                     | 76-7/16 [1942]                         |
| 42                              | 73-1/2 [1867]                     | 78-3/16 [1986]                         |
| 43                              | 75-1/4 [1912]                     | 79-15/16 [2031]                        |

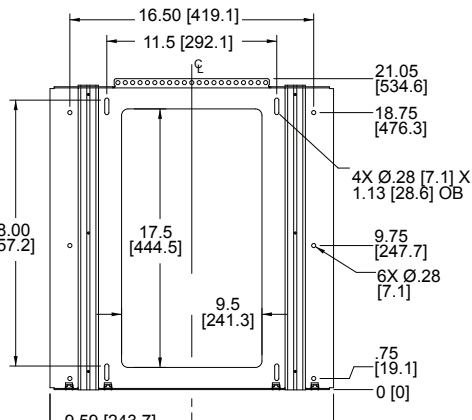
\* When using optional gasket and guide kit, 3/8" must be added  
to millwork opening height.

\*\* AX-SX & SSAX only

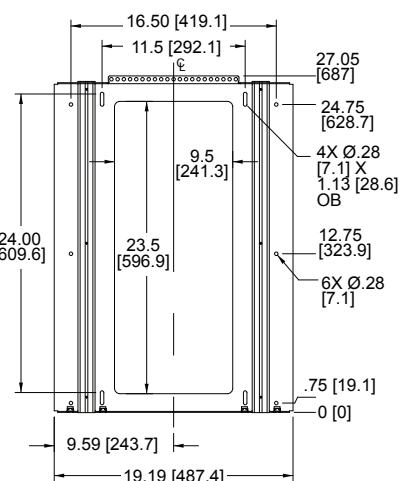
## BASE DIMENSIONS



SAX-XX, SSAX-XX  
(frame depth = 16.5")



AXS-XX, AX-SXR-XX, AX-SX-XX  
(frame depth = 20")

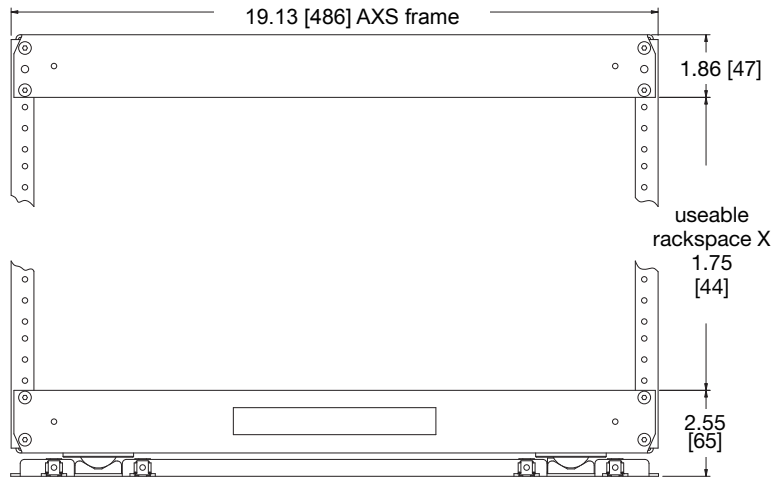


AXS-XX-26  
(frame depth = 26")

## Specifications for AXS System

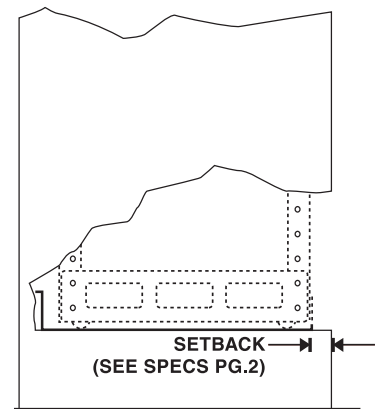


**FRONT VIEW**  
(AXS inner frame)



All dimensions in inches [Bracketed dimensions are in millimeters]

**SETBACK**



**NOTE:**

To calculate rail to front edge clearance, use the numbers in "Millwork Specs" in conjunction with the clearance for any door or face you may provide for your millwork installation.

## Millwork Specifications

| Part #     |                                                             | Extension Length | Frame Depth  | Millwork Opening Depth | Millwork Opening Width | Millwork Opening Height               |
|------------|-------------------------------------------------------------|------------------|--------------|------------------------|------------------------|---------------------------------------|
| AXS-xx-26* | Replace 'xx' with the # of useable spaces (15 to 43 spaces) | 48 [1219]        | 26 [660]     | 28-1/2 [724]           | 19-1/4 [489] min. *    | number of useable racks + 4.688 [119] |
| AXS-xx*    | Replace 'xx' with the # of useable spaces (15 to 43 spaces) | 48 [1219]        | 20 [508]     | 22-1/2 [572]           | 19-1/4 [489] min. *    | number of useable racks + 4.688 [119] |
| AX-SX-xx*  | Replace 'xx' with the # of useable spaces (10 to 43 spaces) | 25 [635]         | 20 [508]     | 22-1/2 [572]           | 19-1/4 [489] min. *    | number of useable racks + 4.688 [119] |
| SAX-xx*    | Replace 'xx' with the # of useable spaces (15 to 43 spaces) | 48 [1219]        | 16-1/2 [419] | 19 [483]               | 19-1/4 [489] min. *    | number of useable racks + 4.688 [119] |
| SSAX-xx*   | Replace 'xx' with the # of useable spaces (10 to 43 spaces) | 25 [635]         | 16-1/2 [419] | 19 [483]               | 19-1/4 [489] min. *    | number of useable racks + 4.688 [119] |

\* When used with gasket and guide kit millwork opening width must be 19-5/8 [498] min.

### Service Stands

| Part # | Height Range Off of the Floor |
|--------|-------------------------------|
| TRACKL | 2-1/4 [57] to 3-1/4 [82]      |
| TS310  | 3 [76] to 11 [279]            |
| TS1022 | 10 [254] to 22 [559]          |
| TS1640 | 16 [406] to 40 [1016]         |

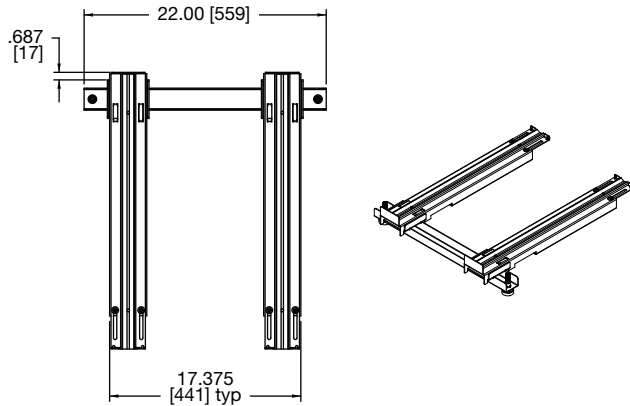
### Service Tracks: available in 2 lengths

| Part #  | Use with            | Track Length |
|---------|---------------------|--------------|
| TRACK50 | AXS, SAX, AXS-xx-26 | 50 [1270]    |
| TRACK25 | AX-SX, SSAX         | 25 [635]     |

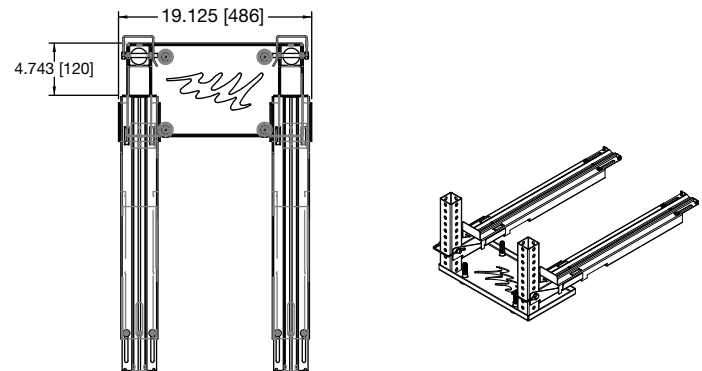
## Service Stands

All dimensions in inches [Bracketed dimensions are in millimeters]

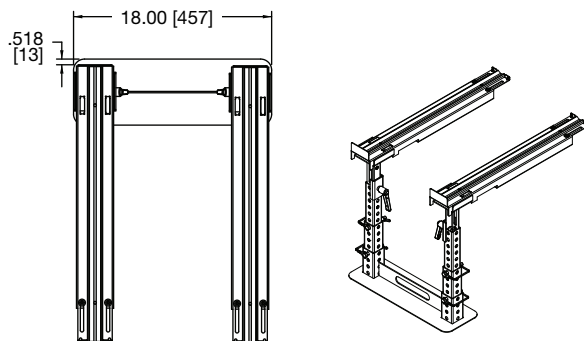
TRACKL with TRACK25



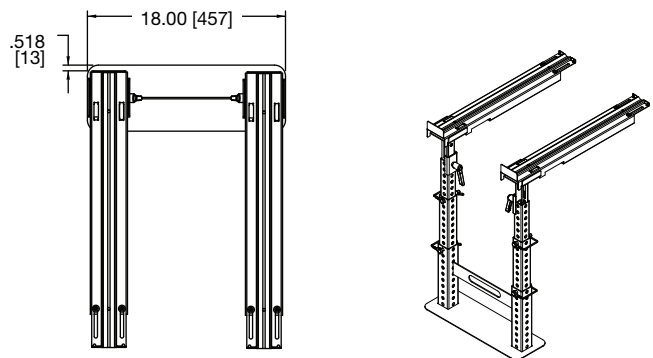
TS310 with TRACK25



TS1022 with TRACK25



TS1640 with TRACK25



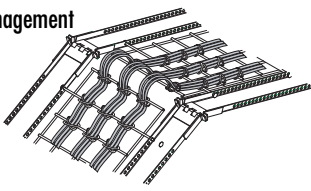
| <b>Service Stands</b> |                                      |
|-----------------------|--------------------------------------|
| <b>Part #</b>         | <b>Height Range Off of the Floor</b> |
| TRACKL                | 2-1/4 [57] to 3-1/4 [82]             |
| TS310                 | 3 [76] to 11 [279]                   |
| TS1022                | 10 [254] to 22 [559]                 |
| TS1640                | 16 [406] to 40 [1016]                |



## AXS Cable Carrier



Optional cable management tray is available to handle large cable bundles

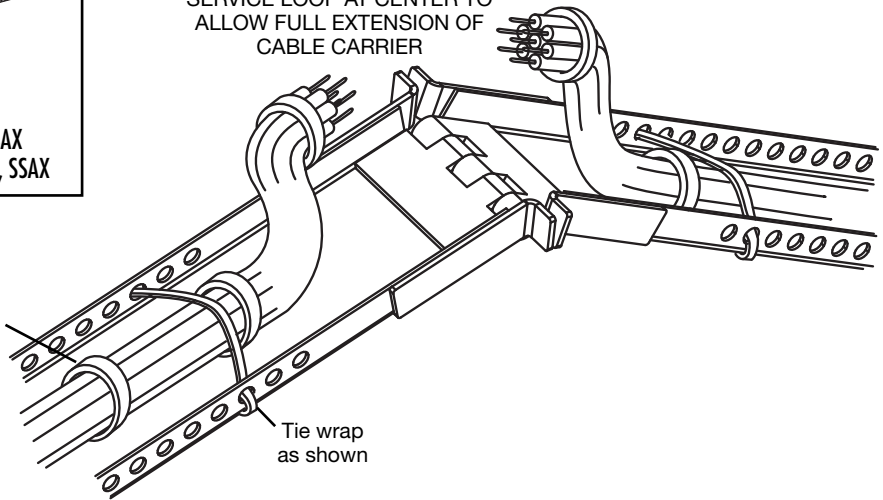


| PART #   | FITS        |
|----------|-------------|
| AXS-WT50 | AXS, SAX    |
| AXS-WT25 | AX-SX, SSAX |

SERVICE LOOP AT CENTER TO ALLOW FULL EXTENSION OF CABLE CARRIER

Bundle wrap as shown

Tie wrap as shown



### Also available from Middle Atlantic Products

AX-SXR Rotating Slide-Out System for millwork and in-wall installations, please see A&E specification # 96-01000



AXS System factory-installed in Middle Atlantic Products steel cabinets, please see A&E Specification # 96-055S.



\* For information on host cabinets, please see  
A&E Specification  
# 96-052SA (WRK-SA)  
# 96-039 (MRK)  
# 96-038 (ERK)