

MICOS

MOTION CONTROL & OPTICS **USA**

[Terms](#) | [Sitemap](#) | [About us](#) | [Contact](#) | [Catalog](#) | [Shows](#) | [News](#) | [Offices](#) | [Partners](#) | [Press Center](#) | [Support](#) | [Team](#) | [Home](#)

MICOS USA • 15375 BARRANCA PARKWAY • STE G101 • IRVINE • CA 92618 • PHONE 949 480 0538 • FAX 949 480 0538

Page

6.001

Linear Stage AVT-54 [F] [M]







Manual Positioners



AVT-54 F
XYZ Application

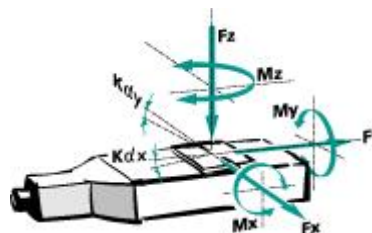


Key features

-  Travel range 25 mm
-  Load capacity 1 kg
-  Ball guided system
-  Fine pitch, 0.25 mm
-  Micrometer pitch, 0.5 mm
-  Module combination



AVT-54 M



FACTS

Load Characteristics	F _x (N)	-F _y (N)	+F _y (N)	F _z (N)	M _x (Nm)	M _y (Nm)	M _z (Nm)	k _{ax} (μrad/Nm)	k _{ay} (μrad/Nm)
F & M	70	80	10	10	20	35	20	70	40

Technical data

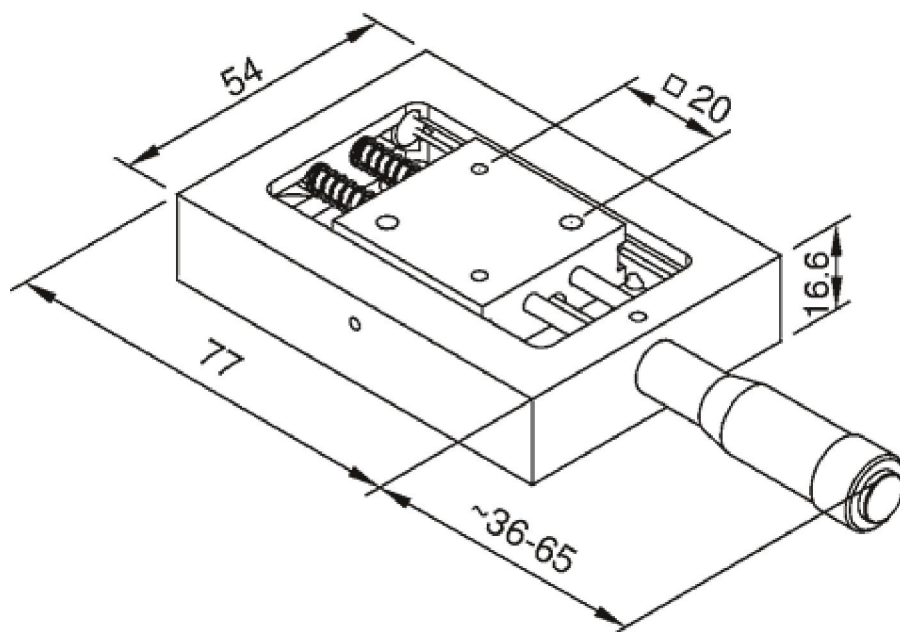
Travel Range (mm)	25
Bi-directional Repeatability (μm)	-
Accuracy (μm) (F & M)	+/- 10
Straightness / Flatness (μm)	+/- 2.5
Pitch (μrad)	+/- 200
Yaw (μrad)	+/- 140

Finepitch (mm)	0.25
Micrometer pitch (mm)	0.5
Scale Resolution (μm)	
Micrometer (M)	10
Sensitivity (μm)	
Finescew (F)	2
Micrometer (M)	2
Material	Special Alu, black anodized
Weight (kg)	0.5

MOTION CONTROL Systems Positioners MiniPos DirectDrives Controllers ManPos Accessories Vacuum MAC PhotonX M A C

AVT-54 Base & Knobs

Travel range
25 mm




AVT-54 M

MOTION CONTROL Systems Positioners MiniPos DirectDrives Controllers ManPos Accessories Vacuum MAC PhotonX M A C

AVT-54 Ordering information

Linear Stage	Order-No.
AVT-54 F	6212-9-100

Founded in 1990, MICOS specializes in the development, manufacturing and marketing of ultra-high precision positioning components and systems for research and industry. We are experts in vacuum, ultra-high vacuum, clean room, and extreme climate environments down to 77 Kelvin. 

[Terms](#) | [Sitemap](#) | [About us](#) | [Contact](#) | [Catalog](#) | [Shows](#) | [News](#) | [Offices](#) | [Partners](#) | [Press Center](#) | [Support](#) | [Team](#) | [Home](#)
MOTION CONTROL = [Systems](#) | [Positioners](#) | [MiniPositioners](#) | [DirectDrives](#) | [Controllers](#) | [ManPositioners](#) | [Accessories](#) | [Vacuum](#)
MAC PhotonX = [Moskito](#) | [Albatros](#) | [Campus](#)

Copyright 2006 © MICOS GmbH