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Differential Micrometer, 4.3 mm Coarse, 0.3 mm Fine, 11 lb. Load

MODEL: BD17.04

$313

In Stock

Compare Add to List (/favorite/add/product/BD17.04)

Overview

The BD17.04 Differential Micrometer delivers ultra-fine, sub-micron positioning capabilities and coarse travel up to 4 mm in a single instrument. In most cases, BD Series Differential Micrometers can directly replace BM Series Micrometers and BHC Locking Drives to provide approximately ten times better positioning sensitivity. The BD Differential Micrometer is a standard micrometer with a 0.50 mm high-resolution micrometer built around it. Coarse positioning, provided by the control knob at the front of the micrometer, enables rapid translation with a sensitivity of 1 µm. By using the fine adjustment knob at the back, the position can be further optimized with a sensitivity of 0.1 µm over a limited travel range. The fine adjustment knob is graduated to permit direct reading of position in 1-µm increments. The coarse position can be fixed by a lock nut.

Product Series Overview

DM Thread-Mount Differential Micrometer Heads (/f/dm-thread-mount-differential-micrometers-heads)

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(/f/dm-thread-mount-differential-micrometers-heads)

Technical Specs

Type	Differential Micrometer	**Fine Travel**	0.30 mm
Travel Range	4.3 mm	**Graduations, Fine**	1 µm
Drive Type	Knob	**Sensitivity**	0.1 µm
Axial Load Capacity	45 N		

Resources & Downloads

Other

RoHS Compliance Certificate (/medias/sys_master/images/images/hfb/h04/9127079575582/RoHS-Compliance-Certificate.pdf) (141.7 kB, PDF)

2D / 3D CAD Software

Download CAD Files

Drawings And Cad

BD1704-S (/medias/sys_master/images/images/h35/h2b/8933921619998/BD1704-S.pdf) (80.5 kB, PDF)

Related Products

Accessories

Compare	Description	Drawings, CAD & Specs	Avail.	Price
(/p/AW-1)	**AW-1 (/p/AW-1)** Adaptor Washers, 1/4-20 (M6) to 8-32 (M4), Qty 10		In Stock	$15
(/p/BB-M)	**BB-M (/p/BB-M)** Optical Beam Block/Tool Holder, Magnetic-Base, Medium		In Stock	$27
(/p/BDK-1)	**BDK-1 (/p/BDK-1)** Ball driver Allen Wrench Set, Includes 9 Ball drivers		In Stock	$30
(/p/TA-M6Q20-10)	**TA-M6Q20-10 (/p/TA-M6Q20-10)** Thread Adaptor, M6 Male to 1/4-20 Male, pack of 10		In Stock	$32
(/p/SK-25A)	**SK-25A (/p/SK-25A)** Black Oxide Screw Kit, 1/4-20, Assortment, Qty 261		In Stock	$53

Similar

Compare	Description	Drawings, CAD & Specs	Avail.	Price
(/p/BM17.04N)	**BM17.04N (/p/BM17.04N)** Standard Resolution Micrometer, 4 mm Travel, 23 lb. Load Capacity		In Stock	$241
(/p/DM11-5)	**DM11-5 (/p/DM11-5)** Differential Micrometer, 5.1 mm Coarse, 0.1 mm Fine, 6.6 lb. Load		In Stock	$313

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Compare	Description	Drawings, CAD & Specs	Avail.	Price
(/p/BHC17.04)	**BHC17.04 (/p/BHC17.04)** Precision Hex Adjustment Screw, M12 x 0.50, 4mm Travel, BHC Series		In Stock	$131
(/p/DM17-4)	**DM17-4 (/p/DM17-4)** Differential Micrometer, 4.1 mm Coarse, 0.1 mm Fine, 11 lb. Load		In Stock	$439
(/p/BHC30.10)	**BHC30.10 (/p/BHC30.10)** Precision Hex Adjustment Screw, M20 x 1.00, 10mm Travel, BHC Series		In Stock	$152

Compatible

Compare	Description	Drawings, CAD & Specs	Avail.	Price
(/p/SB18YZBHC)	**SB18YZBHC (/p/SB18YZBHC)** Precision XY Optic Positioner, BHC Lockable Adjustment Screws		In Stock	$647
(/p/SL8ABHC)	**SL8ABHC (/p/SL8ABHC)** SL Gimbal Optical Mount, Ø80 mm, 2 BHC Locking Allen-Key Adjustment Screws		In Stock	$1,845

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