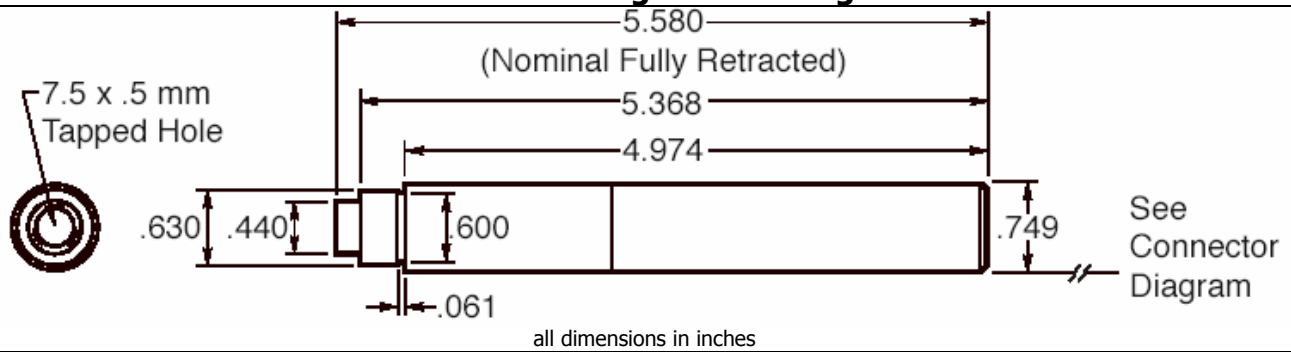


# MicroPositioner Data Sheet

## Model # R250

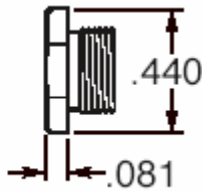
Travel Range	50mm	Maximum Force (push/pull)	9 lb.
Design Resolution	0.059μm	Maximum Lateral Force	1 lb.
Minimum Increment	0.1μm	Encoder Resolution	60 counts/ revolution
Repeatability (unidirectional)	0.1μm	Power Consumption (nominal)	2 watts over voltage range or +5V to +15V
Backlash	<0.5μm		
Maximum Velocity	0.7mm / second	Required Encoder Voltage	12V min to 15V max

**The R250 MicroPositioner can be mounted by clamping around  
The end collar without danger of binding the lead screw**

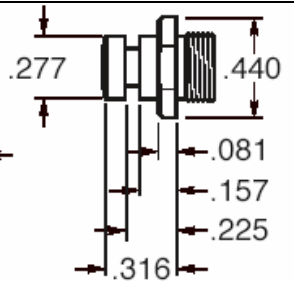


### MicroPositioner Tip Options

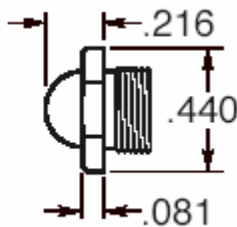
**FLAT TIP  
RT2**



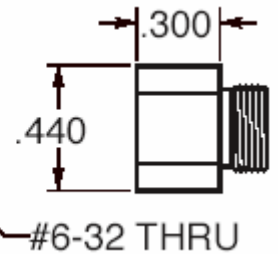
**SPHERICAL  
TIP RT3**



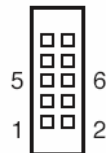
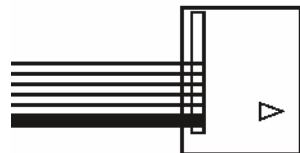
**BALL TIP  
RT4**



**#6-32 TIP  
TAPPED ID  
RT5**



**Micropositioner #R250  
Connector Diagram**



**PIN OUTS**

MOTOR +	1
+VDC (MAX 15V)	2
CHAN A OUT	3
CHAN B OUT	4
VDC RETURN	5
MOTOR -	6



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