

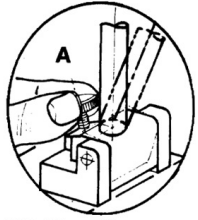
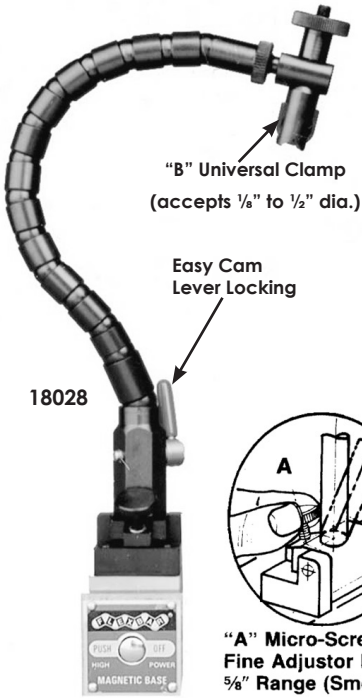


THE ORIGINAL MADE IN U.S.A.

**FLEXBAR®**

**Instant Positioning—Instant Locking  
UNIVERSAL HOLDER/POSITIONERS  
FOR ALL AGD INDICATORS AND  
ELECTRONIC SENSORS (Lug Backs Too!)**

The heavy duty FLEXBAR is completely flexible; lets you reach over, under, around, instantly and surely. Elimination of the large assortment of rods, swivels, clamps and other hardware necessary to reach and measure in obstructed areas. Cuts set-up time as much as 75% to 90%. FLEXBAR sets and locks with a simple twist of the lever.



**"A" Micro-Screw Fine Adjustor Block**  
5/8" Range (Smooth).

- Top Mounting Clamp ("B"): (Telescopic Action) Grips objects from .125" up to .510" diameter.
- Cable and swagged fittings are stainless aircraft and Mil Spec Grade.
- Locked by Tensioning of Cable, incredible rigidity is achieved by this design. (No Movement once locked).
- Cam Action Locking.



**18030**  
(5/16-18 Thread)  
or  
**18031**  
(8mm Thread)



Flexible Arm has 14 Balls & Sockets and When Flexed Can turn a 2 1/2" Dia. Circle; Above Units support 3 Lb. Payload. Black Oxide Finish. On/Off Mag Base: 1 5/8" x 1 7/8" x 2" High (approx.). Push-button Type.

**VARIETIES OF FLEXBARS**

MODEL NO.	HEIGHT	BASE FEATURE	MAGNET PULL (lbs)	NOTES
18026	14"	Fine Adjustor	NONE	Fine Adjustor No Magnet
18027	15"	Mag Base	65 On/Off	No Fine Adjustor
18028	16"	Mag Base with Fine Adjustor	65 On/Off	See Picture
18030	13"	5/16-18 Thread	NONE	See Picture
18031	13"	8mm x 1.25 Thread	NONE	See Picture
18029	16"	Mag Base with Fine Adjustor	65 On/Off	w/1" Dial Indicator .001" Grad.
80060-2	2 Ball Cable for Flexbar Models 18026-18038, 18051, 18058-18063, 11014			

**MORE FLEXBARS:**



MODEL NO.	DESCRIPTION
18035	Flexbar on V-Bottom Mag Base without universal fine adjustor rod.
18038	Flexbar on V-Bottom Mag Base. Base 2" x 2 1/4" x 2 5/8" with fine adjustor rod as shown.
18032	Flexbar on C-Clamp. All made in U.S.A. Capacity of C-Clamp: 1 3/8" Vertically. Throat to Center of Screw- 3/4"
18034	Flexbar on C-Clamp with 1" Dial Indicator (.001" Graduations)



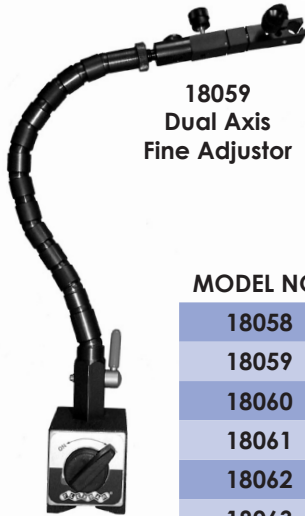
**Model No. 18038:**  
Same Flexbar as on Models 18026 through 18031 but top end has fine adjustor universal rod—5 1/2" long for easy adjustment in any plane. Total reach 22 inches. On/Off Mag Base with V on bottom.



## “IN-LINE” FINE ADJUSTOR HOLDERS/POSITIONERS

Flexbar Machine Corporation, innovators for over 40 years of the Flexbar® Instant Positioning-Instant Locking flexible holding arms, has introduced a new top-end, in-line fine adjustor which holds all AGD dial indicators as well as test indicators with dove tail fittings. FLEXBAR models are now available with either single axis or dual axis top end fine adjustors. The fine adjustment assembly is actuated by a very smooth micro-screw thumb adjustor making the FLEXBAR ideal for high precision indicating applications.

- Fine adjustor end holds AGD dial indicators with 3/8" stems (8mm bushing adaptor included) and test indicators with dovetail
- On/Off Mag Base with V on Bottom: 2" x 2 1/4" x 2 5/8", 90lbs. pull.

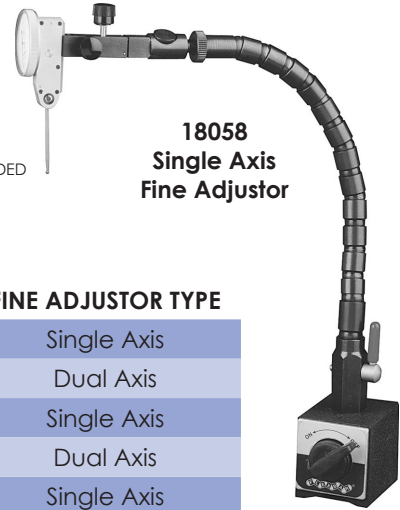


**18059**  
Dual Axis  
Fine Adjustor



Available with  
Single Axis and Dual Axis Fine  
Adjustors

INDICATOR  
NOT INCLUDED



**18058**  
Single Axis  
Fine Adjustor

### FLEXBAR IN-LINE FINE ADJUSTOR MODELS:

MODEL NO.	BASE FEATURE	MAG. PULL	HEIGHT	FINE ADJUSTOR TYPE
18058	V-Mag Base	90	17 1/2"	Single Axis
18059	V-Mag Base	90	18 1/2"	Dual Axis
18060	5/16-18 Thread	None	15 1/4"	Single Axis
18061	5/16-18 Thread	None	16 1/4"	Dual Axis
18062	8mm x 1.25 Thread	None	15 1/4"	Single Axis
18063	8mm x 1.25 Thread	None	16 1/4"	Dual Axis

## FLEXBARS ON WEIGHTED & VACUUM BASES

IDEALLY SUITED FOR BENCHTOP, GRANITE SURFACE PLATES OR PRECISION FLAT SURFACES.

Now, Universal and Off-The-Post Style Flexbars  
Are Available Mounted On Heavy Duty 6" Dia. Weighted Base.



Universal Clamp  
(Accepts 1/8" to 1/2"  
Dia.)  
**18030-WB**



**18046-WB**



Universal Clamp  
(Accepts 1/8" to 1/2" Dia.)  
**18031-VB**

MODEL NO.	DESCRIPTION
18030-WB	Universal Cam Lever Style Flexbar on weighted base. (see page 84 for features)
18046-WB	Off-The-Post Style Flexbar on Weighted Base (see page 88 for features)
18031-VB	Universal Cam Lever Style Flexbar on Vacuum Base (see page 84 for features)



# JUMBO FLEXBARS®

## Heavy-Duty Flexible Holding Devices

- Cam-lever locking, extra heavy cable.
- Extra heavy ball joints - 1 1/16" Diameter.
- Holds heavier payload - 5 lbs. or more.

### 2 MODELS: ON FLANGE OR POWERFUL MAGNETIC BASE

#### MODEL NO. DESCRIPTION

18039	Cam-lever locking Flexbar on flange mounting base. Height: 18" Net Wt: 1 1/2" lbs. Flange Dimensions: 2 3/8" x 1 3/4" x 3/8"
18040	Cam-lever locking Flexbar on powerful on/off magnetic base. Dimensions of Mag Base: 2 3/4" x 2 3/4" x 3 1/8" Total Height: 21"
80060-1	Replacement 2 Ball Cable for 18039 & 18040

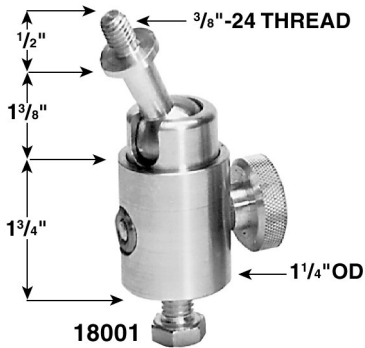
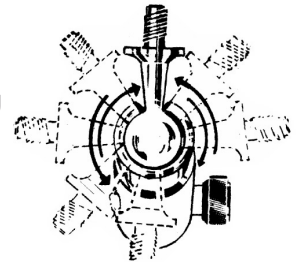


## FLOAT 'N LOCK

### UNIVERSAL POSITIONERS AND WORK HOLDERS



- It's an excellent Dial Indicator Holder.
- All metal parts used.
- Precision angled bearings interface and lock the ball precisely with a small turn of the locking knob. Excellent rigidity factor.
- Self-compensating - no need to disassemble to re-establish tension (as with other designs).
- Right angle notch (for 90° positioning) can be swung to any point 360° and then locked.



18001

Right angle notch (for 90° positioning) can be swung to any desired point 360° around the clock and then locked in place.



18004

#### MODEL NO. DESCRIPTION

18001	Basic Unit - Bottom Hole - for mounting is 3/8-16 NC-Class 2B
18001-S	Basic Unit - Same as above - Bottom has 1/4 - 20 Threaded Post, No Flange.
18002	Basic Unit on 90 lbs. pull Mag. Base - 3 1/4" dia. x .435" high
18004	Basic Unit complete with 2-posts, lug back & heavy duty magnet (No. 11001) Total Height - 13" Main post - 1/2" dia. x 8" long. Second post - 7/16 dia. x 3 3/4" long. 2 each - post clamps. Variable clamping capacity - from .125" up to .510"



18002



# FLEXBAR® FLEXARM VISE-GRIP & FLEXARM VISE-GRIP INDICATOR KIT

Attaches To Any Convenient Object

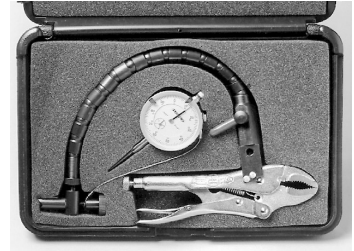


## FLEXBAR® VISE-GRIP INDICATOR KIT NO. 18051-KIT INCLUDES:

- Flexbar® No. 18030
- Vise-Grip No. 7 CR (curved jaws) with saddle mount block.
- No. 12001, 0-1", .001" reading dial indicator (see page 72).
- Indicator Safety Cable.
- Heavy-Duty Fitted Case.



No. 18051 Flexbar® Vise-Grip shown above with No. 12001, 0-1" travel dial indicator.



Above: No. 18051-KIT

The Flexbar® Vise-Grip Model No. 18051 and 18051-KIT features a Model No. 18030 Flexbar® (see page 84) attached to a No. 7 CR Vise-Grip (Made in U.S.A.). Included on the vise-grip saddle block is a second tapped hole which permits the Flexbar® arm to be mounted horizontally to the vise-grip.

### MODEL NO. DESCRIPTION

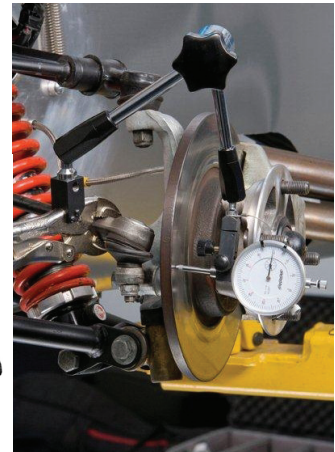
<b>18051-KIT</b>	Flexbar® Vise-Grip Indicator Kit Complete
<b>18053</b>	Flexbar® Vise-Grip Only (Includes Flexarm and Vise-Grip - indicator not included)

## FLEXBAR RIGID ARM VISE-GRIP INDICATOR KIT

Extremely Rigid - Will not Slip

### 16820-KIT Includes:

- Rigid Arm Assembly
- Vise-Grip No. 7 CR (curved jaws)
- No. 12001, 0-1" reading dial indicator
- Fine Adjustment Mechanism
- Indicator Safety Cable
- Heavy Duty Fitted Case for easy storage



The Flexbar Rigid Arm Vise-Grip Indicator Kit features an extremely rigid holding arm. A single knob locks both the arm and the indicator into position. Included on the vise-grip saddle block is a second tapped hole which permits the arm to be mounted horizontally to the vise-grip.

### MODEL NO. DESCRIPTION

<b>16820-KIT</b>	Flexbar Rigid Arm Vise-Grip Kit Complete
<b>16824</b>	Flexbar Rigid Arm Vise-Grip Only (Includes Arm and Vise-Grip Only)



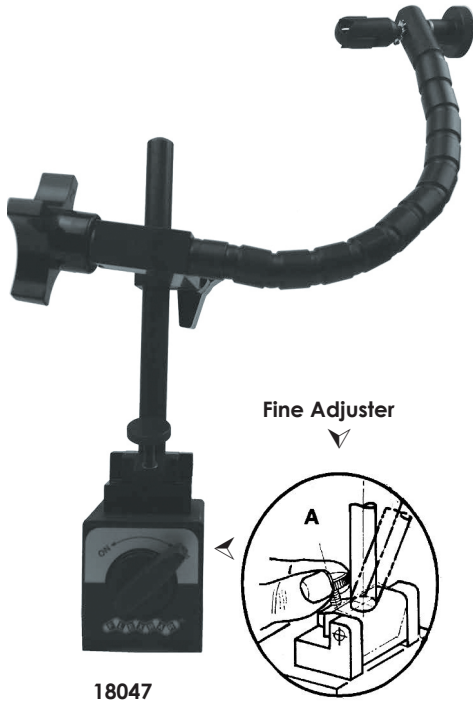
# OFF-THE-POST FLEXBAR®

Maximum Rigidity • Excellent Positioning

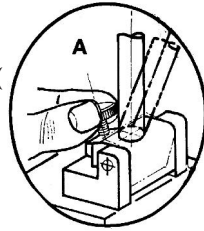


## I. ORIGINAL UNIVERSAL CLAMP MODELS:

PRECISION ENGINEERED

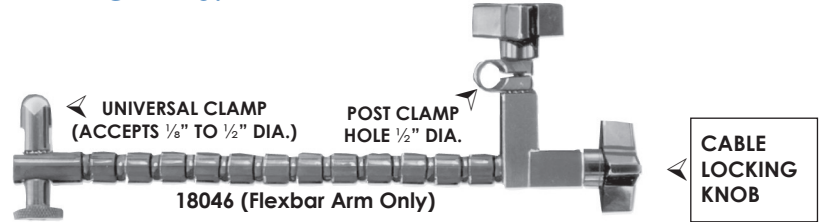


Fine Adjuster



18047

"A" Micro-Screw" Fine Adjustor  
Block 5/8" Range (Smooth)



UNIVERSAL CLAMP  
(ACCEPTS 1/8" TO 1/2" DIA.)

POST CLAMP  
HOLE 1/2" DIA.

CABLE  
LOCKING  
KNOB

18046 (Flexbar Arm Only)

- Instruments held by Flexbar do not drift.
- Instant Positioning - Instant Locking.
- Post Clamp (Clevis) Fits 1/2" Dia. Post.
- Supports up to 4 lb. Load.
- Accurate tool and instrument positioner.

**USE WITH:** AGD and Test Indicators, Sensors, Magnifiers, Optic Probes, Wires for Welding, etc.

### FLEXBAR DIMENSIONS:

- Bottom of base to top of 1/2" Dia. Post - 9".
- Length of Flexbar itself - 10".
- Cable: 19 strand stainless steel wire has aircraft grade swaged fittings.
- Drawbar & Locking Knob design produces incredibly rigid arm, once locked.
- Top Mounting Clamp grips all shapes .125" to .510" dia.

### FLEXBAR MODELS:

#### MODEL NO. DESCRIPTION

18046	Flexbar without mag. base (as shown above). (Post clamp fits 1/2" dia. Post) Other sized post clamps supplied upon request
18047	Flexbar with mag. base and fine adjustment. On/Off Mag. Base - 2" x 2 1/4" x 2 5/8".
80063-6	Ball & Thread Cable for Flexbar Models 18045-18047 (includes easy instructions for replacing cable).

## II. NEW "IN-LINE" FINE ADJUSTOR MODELS:

Now available with either single axis or dual axis top end fine adjustors. The fine adjustment assembly is actuated by a very smooth micro-screw thumb adjustor making the FLEXBAR ideal for high precision indicating applications.

- Similar features to the Original Universal models shown above.
- Fine adjustor end holds AGD dial indicators with 3/8" stems (8mm bushing adaptor included) and test indicators with dovetail fitting.



19075  
Dual Axis  
Fine Adjustor



**FLEXBAR ARM LENGTH:**  
Model No. 19070: 12"  
Model No. 19071: 13"



19070  
Single Axis  
Fine Adjustor

### FLEXBAR MODELS:

#### MODEL NO. DESCRIPTION

19070	Flexbar without mag. base (as shown above) with Single Axis fine adjustor
19071	Flexbar without mag. base with Dual Axis fine adjustor
19074	Flexbar with mag. base* and Single Axis fine adjustor
19075	Flexbar with mag. base* and Dual Axis fine adjustor

\* On/Off Mag. Base with V on Bottom: 2" x 2 1/4" x 2 5/8", 90lbs. pull.



# OFF-THE-POST JUMBO FLEXBARS®

## Heavy-Duty Flexible Holding Devices



PRECISION ENGINEERED

### I. ORIGINAL UNIVERSAL CLAMP MODELS - FLEXBAR ARMS

NOW AVAILABLE IN STANDARD (13"), XL (15") AND XXL (21") LENGTHS.

- Knob locking, extra heavy cable.
- Extra heavy ball joints, 1 1/16" dia.
- Holds payload up to 5 lbs. or more.



#### DIMENSIONS: Flange & Mag. Base Models:

- (A) Bottom of base to top of post (only). (B) Length of flexbar to post clamp with:
- |                             |                        |
|-----------------------------|------------------------|
| No. 18042 & 18042-XL - 6"   | No. 18041 Arm - 13"    |
| No. 18043 & 18043-XL - 9.5" | No. 18041-XL Arm - 15" |
- (C) For total length add "A + B".

#### MODEL NO. BASE FEATURE

<b>18041</b>	Jumbo Flexbar, ARM ONLY, 13"
<b>18041-XL</b>	Jumbo XL Flexbar, ARM ONLY, 15"
<b>16384</b>	Jumbo XXL Flexbar, ARM ONLY, 21"
<b>18042</b>	Jumbo Flexbar on 6" post with mounting flange
<b>18042-XL</b>	Jumbo XL Flexbar on 6" post with mounting flange
<b>18043</b>	Jumbo Flexbar on 6" post with fine adjustor on LARGE ON/OFF LEVER MAGNETIC BASE (4 11/16" x 2 3/8" x 2")
<b>18043-XL</b>	Jumbo XL Flexbar on 6" post with fine adjustor on LARGE ON/OFF LEVER MAGNETIC BASE (4 11/16" x 2 3/8" x 2")
<b>80063-1</b>	Ball & Thread Cable for Jumbo Flexbar Models 18041-18043
<b>80063-2</b>	Ball & Thread Cable for Jumbo XL Flexbar Models 18041-XL to 18043-XL



### II. NEW "IN-LINE" FINE ADJUSTOR MODELS:

Now available with either single axis or dual axis top end fine adjustors. The fine adjustment assembly is actuated by a very smooth micro-screw thumb adjustor making the FLEXBAR ideal for high precision indicating applications.

- Similar features to the Original Universal models shown above.
- Fine adjustor end holds AGD dial indicators with 3/8" stems (8mm bushing adaptor included) and test indicators with dovetail fitting.



**19085**  
Dual Axis  
Fine Adjustor



**19080**  
Single Axis  
Fine Adjustor



#### OFF-THE-POST JUMBO FLEXBAR IN-LINE FINE ADJUSTOR MODELS:

MODEL NO.	BASE FEATURE	MAG. PULL	HEIGHT	FINE ADJUSTOR TYPE
<b>19080</b>	Arm Only	NA	15"	Single Axis
<b>19081</b>	Arm Only	NA	16"	Dual Axis
<b>19082</b>	Post w/Flange	NA	21"	Single Axis
<b>19083</b>	Post w/Flange	NA	22"	Dual Axis
<b>19084</b>	Heavy Duty Mag. Base	*180lbs.	23"	Single Axis
<b>19085</b>	Heavy Duty Mag. Base	*180lbs.	24"	Dual Axis

\* On/Off Mag. Base: 4 11/16" x 2 3/8" x 2" (180lbs. pull)