

CLAMPRITE®

Spindle Drawbar Force Gage

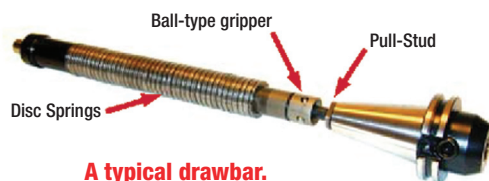
**1 (866)
THE-GAGE
(843-4243)**

WWW.CLAMPRITE.COM
775-246-5100

Your reputation depends on the drawbar of your CNC Machine!

Belleville springs provide the only force that holds tools in the spindle while cutting. They are often the first to wear out on a CNC Machining Center. When these springs break, holding force can drop over 50%.

Drawbars can have over 140 Belleville springs in the stack. Just the slightest wear on each spring will have a big affect on clamping force, causing chatter, bad finishes, reduced cutter life, and scrapped parts.



A typical drawbar.

Left unchecked, a tool may eventually pull out during a cut, damaging the spindle, cutter, arbor, and fixture. Machines are never the same after a crash.

Problems with repeatability, bad finishes, and short cutter life can be frustrating and difficult to diagnose. Up in the spindle and out of sight, drawbars seldom get the attention they deserve. To check it requires a special tool designed just for that purpose. Previously these tools cost many thousands of dollars, but now you can check your spindle for a fraction of the cost.

The Clamprite Gage simulates a tool in the spindle, and checks the drawbar in less than a minute. It has no batteries, clumsy cables, or delicate electronics. The pressure gauge reads directly in pounds/force, so there are no conversions or calculations.

Thousands of shops in the U.S. and around the world use the Clamprite Gage. Customers often say it paid for itself the first time they used it.

Find out if your drawbars Clamprite. Call today!



HSK A63 shown
with CG 5K
gage head

HSK Spindle Adapters

CHSK E25	Size E-25 Adapter	\$399.00
CHSK E32	Size E-32 Adapter	\$419.00
CHSK A40	Size A-40 Adapter	\$439.00
CHSK A50	Size A-50 Adapter	\$469.00
CHSK A63	Size A-63 Adapter	\$489.00
CHSK A80	Size A-80 Adapter	\$679.00
CHSK A100	Size A-100 Adapter	\$849.00
CHSK A125	Size A-125 Adapter	\$989.00

HSK spindles must maintain factory spec. drawbar force to properly seat the arbors. Test HSK spindles frequently!

CG5K Gage Head for	HSK-E25 to A63 Adapter and others	\$679.00
CG10K Gage Head for	HSK-A80 to A100 Adapter and others	\$719.00
CG15K Gage Head for	HSK-A125 Adapter and others	\$949.00



HSK A40



CAPTO 3



CAPTO 6

CG10K HEAD



KV 5045



HSK A100

Clamprite Gage Kits

CG3K30B	3,000 Lb.	includes BT 30 taper adapter	\$819.00
CG3K40B	3,000 Lb.	includes BT 40 taper adapter	\$829.00
CG3K40C	3,000 Lb.	includes CAT 40 taper adapter	\$829.00
CG5K40B	5,000 Lb.	includes BT 40 taper adapter	\$829.00
CG5K40C	5,000 Lb.	includes CAT 40 taper adapter	\$829.00
CG5K50B	5,000 Lb.	includes BT 50 taper adapter	\$849.00
CG5K50C	5,000 Lb.	includes CAT 50 taper adapter	\$849.00
CG5K40/50	5,000 Lb.	includes CAT or BT 40 & 50 adapters	\$989.00
CG10K50B	10,000 Lb.	includes BT 50 taper adapter	\$885.00
CG10K50C	10,000 Lb.	includes CAT 50 taper adapter	\$885.00

Clamprite Spindle Adapters

CA30B	BT 30 Spindle Adapter	\$139.00
CA35B	BT 35 Spindle Adapter	\$142.00
CA40B	BT 40 Spindle Adapter	\$149.00
CA40C	CAT 40 Spindle Adapter	\$149.00
CA45B	BT 45 Spindle Adapter	\$159.00
CA45C	CAT 45 Spindle Adapter	\$159.00
CA50B	BT 50 Spindle Adapter	\$169.00
CA50C	CAT 50 Spindle Adapter	\$169.00
CA60C	CAT 60 Spindle Adapter	\$ CALL

CAPTO 03	\$435.00
CAPTO 04	\$459.00
CAPTO 05	\$489.00
CAPTO 06	\$595.00
CAPTO 08	\$789.00

KV 4540	\$639.00
KV 5045	\$719.00
NC5-63	\$629.00
KM 63	\$829.00

CALL FOR OTHERS



Call **1-866-THE GAGE** for more information, or visit us online at **www.clamprite.com!**
(843-4243)

Clamprite Gage Kits provide an easy, accurate, and economical method of checking the drawbar force of your machine. Kits are furnished in a foam fitted metal tool box and include the gage head, a spindle adapter, and an internal transfer screw coupling that accepts all pull studs.

The universal gage head adapts to every size and type of spindle, including CAT, BT, ISO, HSK, KM, KV, CAPTO, NC-5, and others. Select your kit by spindle type and max. drawbar force you will be testing.

(Call 1-866-THE GAGE for technical assistance)



Uses any pull stud without alterations!

Protect Your Spindles

Avoid Unscheduled Downtime

Increase Cutter Life

Accuracy Traceable to NIST