

NEW MODEL FACET HEADS & ACCESSORIES

for the 1980's

Unrivalled
Performance

Super
Quality
Super
Value

LIST No. 982

MODEL 2D Facet Head

Gravity Handle
& Adapter NOT
INCLUDED w/
this model)

OILITE
BEARINGS
ON MAST
(Each Model)

2D INDEX
SPLITTER

PROTRACTOR

ANGLE RAPID
ADJUST LOCK

ANGLE FINE
ADJUST SCREW

2D is vastly improved model of older
ID famous for rapid liftoff and index
features. OK is newer concept for
fast cutting duplicate facets with
fewer inspections; it has much finer

splitter than 2D. OKD and 2DK are secondary models created by
switching chucks of 2D and OK and adding adapter arm for 2DK.
Each has professional advantages or will enrich enjoyment of a
hobby. Enjoy advantages of all models while spending less than
you might pay for one model of another make worth far less than
any one of these. Use all with
same mast, index, zero gauge.

NEOPRENE HANDGRIP

5/8" MAST
(Standard for
All LEE Models
Past & Present)

DOWNFEED COLLAR

DOWNFEED SPRING

MODEL OK Facet Head

ELEVATING FINE
ADJUST NUT

ELEVATING RAPID
ADJUST LOCK

GRAVITY HANDLE

DOP

CLUTCH-CAP
INDEX PLATE

OK INDEX SPLITTER
SPLITTER LOCK NUT

CHUCK
THUMBSCREW

OK HANDPIECE as removed.

MAST

MODEL OKD Facet Head

(Gravity Handle
not shown but
IS INCLUDED
w/ this model.

ANGLE FINE
ADJUST

INDEX CLUTCH-CAP
INDEX PLATE

OK INDEX
SPLITTER

HANDPIECE
RELEASE KNOB

INDEXING SPRING

OK Models
have OILITE
BEARINGS on
ANGLE SHAFT

COLLET CHUCK
CLOSING SLEEVE

MODEL 2DK Facet Head

(Gravity Handle
& Adapter
INCLUDED
This Model)

YOKE

2D
SPLITTER

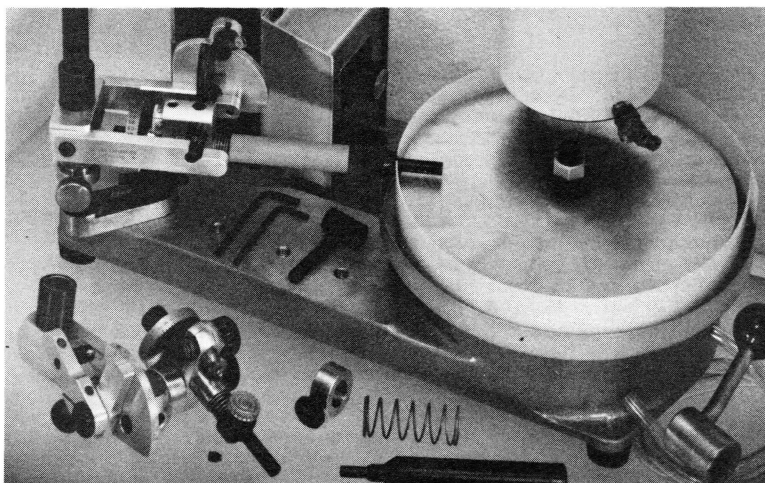
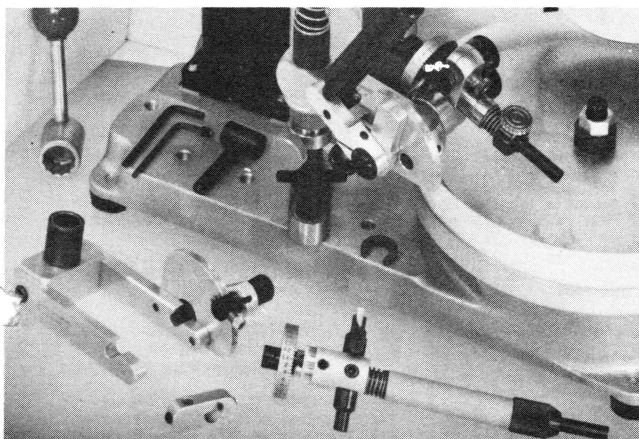
Model 2DK
w/ HANDPIECE
lifted out of
YOKE assembly

MAST

DOP

Below: Model OK Facet Head on R&L Lap Unit in faceting position. 2D Yoke and Handpiece in foreground (optional extras) can in effect create another model simply by replacing corresponding portion of OK on mast. Small part in foreground is optional Gravity Handle Adapter for 2D.

Below: Model 2D Facet Head in position for forming or faceting girdles. Flexible inner portion of 8" guard enables extending dop well beyond edge of lap while close fitting notch in guard prevents much escape of sludge. OK Facet Head which was on mast in photo at left is now in the foreground with Gravity Handle removed. Spring, Collar and Brass tipped Setscrew included with OK Head. Either model available with or without Mast or Elevating Collar and will fit existing 5/8" masts such as older LEE models. Switching OK and 2D chucks is basis for OKD and 2DK.



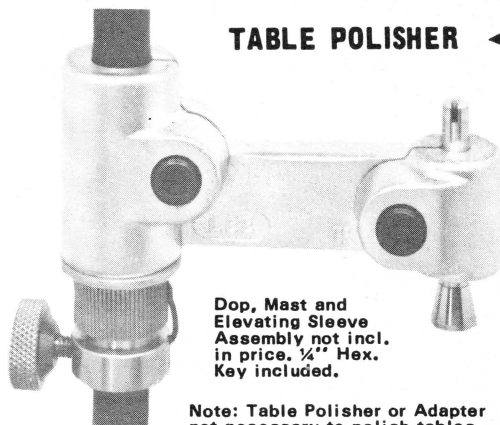


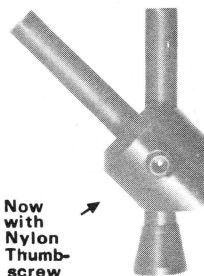
TABLE POLISHER

Dop, Mast and Elevating Sleeve Assembly not incl. in price. 1/4" Hex. Key included.

Note: Table Polisher or Adapter not necessary to polish tables in OK Model Facet Head.

Adjustable for close, loose or locked fit on 5/8" mast of LEE Facet Heads. Gem tables quickly polished by gradual lowering with fine feed of Elevating Sleeve to align table fully as possible on lap; loose fit on mast best at this stage so trailing edge of table touches first then further lowering to polish table overall. Any minor variation from cut to polish is quickly polished out. Table can be polished before or after crown facets are cut and in some cases after all others are polished. Holds dopped gem more rigidly than 45 Adapter and is of particular benefit when faceting in lots as for commercial or systemized operations for efficiency and profit. A secondary purpose of the Table Polisher is to serve as an arm for adapting LEE Preform Attachments to Mast of Facet Head as explained in LEE 3 Dimensional Preform Attachments Brochure.

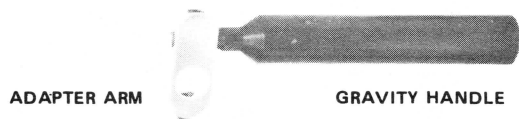
45 Degree TABLE ADAPTER



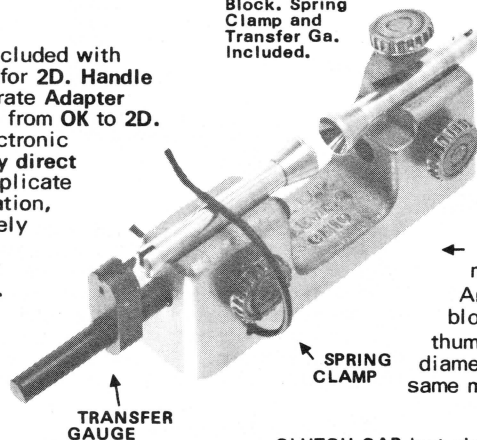
Now with Nylon Thumb-screw

Handier than Table Polisher in some cases since the 5/16" keyed shank is identical to LEE Standard Dops. When secured in chuck of facet head the fine adjustment features of angle, Index Splitter and elevation are used to align 45° flat to lap surface after which dopped gem is secured as per illustration and elevation adjusted as required. Upswing or lift off as in facet polishing allows convenient inspections without removal from mast. Dop not included in price.

GRAVITY HANDLE & ADAPTER ARM



Adapter Arm and 8 oz. Handle included with Model 2DK Facet Head, optional for 2D. Handle included with OK and OKD. Separate Adapter Arm optional for adapting handle from OK to 2D. Unlike high priced meters or electronic gadgets which do not provide any direct control and may only further complicate hand and sight or sound coordination, Gravity Handle provides absolutely equal pressure to each facet cut at a particular setting and is not dependant on reflex actions, etc. Handle used mainly for cutting facets, polishing may require more pressure as applied by hand to chuck, dop or gem. Arm now has nylon thumb-screw for quick lock or release of Handle.

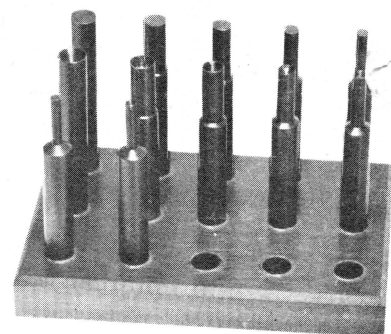


Dops & Rack Not Included w/ Transfer Block, Spring Clamp and Transfer Ga. Included.

CLUTCH-CAP (not shown) INCLUDED with CHUCK

Precision Integral Chuck-Spindles combined with LEE Precision 5/16" Dops are proportionately sturdier and provide closer final accuracy than weaker chuck-spindles or separate spindle-chuck combinations with weaker, less accurate 1/4" dops. Model D is chuck as supplied in Models 2D and OKD Facet Heads or may be purchased extra for converting Model OK to OKD with not much more effort than changing index plates. A slight twist of knurled sleeve of D chuck quickly secures or releases dop; with moderate care any number of dopped gems can be repeatedly chucked for sequential or lot operations to avoid changing angles, laps, etc. for each gem individually. Model K is chuck as supplied in Models OK and 2DK Facet Heads or purchased extra for converting 2D to 2DK but requires Gravity Handle & Adapter Arm to complete conversion. Model K includes nylon thumbscrew to interchange with setscrew.

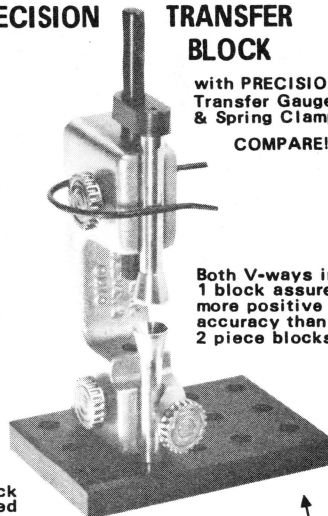
PRECISION DOP SET



12 round Dops in Set consisting of 6 solid tipped pavilion dops and 6 with conically recessed or hollow tips for faceting gem crowns (matched pairs). Exceptionally accurate in diameter, length, keyway, etc. for repetitive or intermittent operations in facet head, preform attachment, transfer block or when removal and accurate replacement are of advantage such as lot cutting, student training, etc. Made of ground and polished steel accuracy stock except sizes over 5/16" have shank precision lathe turned. Direct close fit in current LEE Facet Heads plus accurate keyway provides far more efficient and economical means of repeated removal and replacement than any competitors dops which are less accurate so as to require costly extra adapters for each dop used in such procedures. Our overall cost is higher for steel dops than brass or aluminum but they resist nicks and bends better, more accurate keyway improve adhesion of dopped gems.

PRECISION TRANSFER BLOCK

with PRECISION Transfer Gauge & Spring Clamp
COMPARE!



Both V-ways in 1 block assure more positive accuracy than 2 piece blocks.

BENELEX DOP RACK included with Dop Set also useful with Transfer Block as illustrated. Dop keyway aligned by use of Transfer Gauge before securing dop in Block with thumbscrew. Transfer Gauge then removed from Block so dop end can be inserted in one of holes in rack while gauge is inserted in opposite end of block to align keyway of second dop. Spring clip retains dop in groove while gauge is used to slide dop as far as needed to make transfer while retaining alignment.

Vertical dop position avoids drip of molten wax with certain procedures otherwise block may rest on its flat base as at left. In these methods the required heat may be applied with the flame of a small propane torch. An alcohol lamp can be used instead of torch by holding block so that dop is in required position above flame. Note thumbscrews for securing Transfer Gauge in either end; 5/16" diameter of gauge rod enables supporting end in holes or by same means as dops for various possible special applications.

Model D PRECISION CHUCK-SPINDLE



NEOPRENE HANDGRIP

KNURLED COLLET CLOSING SLEEVE

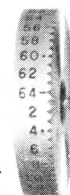
OK Index Plates like older ID model but 3/8" hole straight through instead of counter-bored to smaller keyed hole. This is due to new clutch.

(Chucks illustrated about 60% life size)

INDEX CLUTCH-CAP



OK INDEX PLATE → Fits K & D Chucks



Model K PRECISION CHUCK-SPINDLE



Model K CHUCK includes Brass Tip Setscrew & Nylon Thumbscrew also Clutch-Cap. No Index Plate.

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