



NIKOPAS ENGINEERING PVT. LTD.

OBSSESSED WITH PRECISION



Nikopas Offers a Wide Range of Products
"HEX DIE-NUTS" & "ROUND THREAD CUTTING DIES"
Marketed Under the Brand Name of **nkp™**



Nikopas Engineering Pvt. Ltd. [Nikopas] is engaged in the manufacture of high quality threading dies and cutting tools at its factory at Tarapur (Dist. Palghar), Maharashtra. Over the last four decades, Nikopas has established itself as a prominent manufacturer, supplier and exporter of **THREADING DIES** and **HEX DIE-NUTS** under the visionary leadership of Mr. Dilip B. Sawant, Managing Director. His technical expertise innovative bent of mind and determination to excel has helped Nikopas stay ahead of its competitors. He is ably supported by a team of skilled and experienced workforce in the designs, production, quality assurance who have regularly churned out quality products within the given time lines.

What We Offer



Nikopas offers a wide range of products, including 'Hex Die-Nuts' and 'Round Thread Cutting Dies', etc. marketed under the brand name of **nkpTM**. Our manufacturing processes employ the latest tools, techniques and technology, so as to consistently roll out high quality products which meets international industry standards.

The **nkpTM** products have been very well accepted by our customers within India and abroad due to their exclusive features like dimensional accuracy, thread finish on die as well as on final product cutting efficiency and tool life. Precision has always been the hallmark of the '**nkpTM**' products, It is rightly said about **nkpTM** dies "**OBSESSED WITH PRECISION**".

Nikopas Supplies to Domestic & Export



Nikopas supplies to domestic customers like Ordnance Factories, BHEL, Tyre Valve Industries, Gas Industries, Oil Industries, Hardwares & Bath Fittings Manufacturers, Auto Industries, Electrical/Electronics Industries and many others and also exports its products to countries including UK, South Africa, New Zealand, Dubai, Australia etc.

Nikopas exports nearly 60% of its production. Nikopas is continually striving to expand its export horizons while catering to the fast increasing domestic demand for its products.

Profile of Mr. Dilip B. Sawant, Managing Director

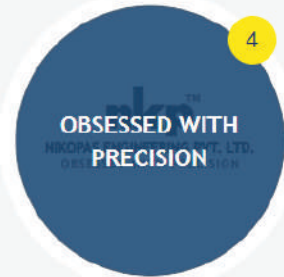


Mr. Dilip B. Sawant is the Managing Director of Nikopas Engineering Pvt. Ltd. [Nikopas]. He holds B.E. (Mechanical) degree from the prestigious VJTI. A first generation entrepreneur, he co-founded Nikopas in 1979 after a short stint with Mahindra & Mahindra Ltd.

Mr. Sawant is driven by the unflinching commitment to quality and precision, which is at the core of Nikopas. He has always believed that ordinary people are capable of achieving extraordinary results if they are properly guided, developed and adequately motivated. He has ably developed a team of skilled, experienced and a highly charged workforce at Nikopas which has contributed to its success over the years.

Skilled & Experienced Workforce

Explore Our Products & Services

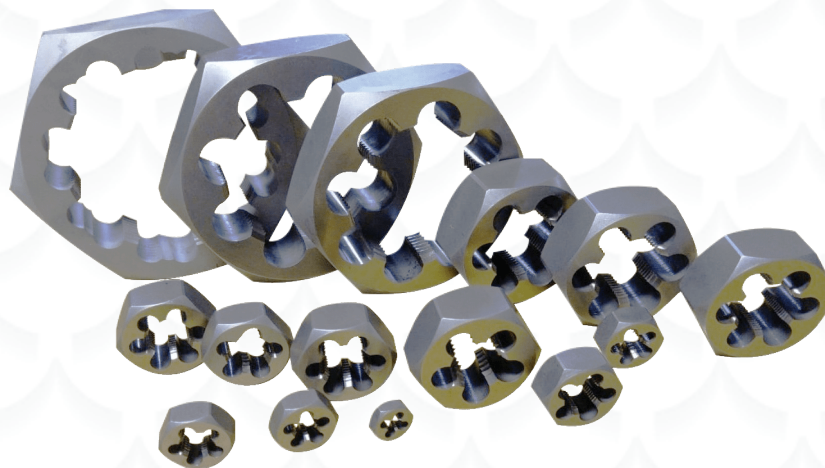


Thread Cutting Dies

- ✓ Special Thread Cutting Die
- ✓ Acorn Thread Cutting Die
- ✓ Special Thread Cutting Die
- ✓ Special Thread Cutting Die
- ✓ Multistart Thread Cutting Die
- ✓ Hexagon Re-threading Die Nut
- ✓ Screw Adjustable Thread Cutting Die
- ✓ Hexagon Re-threading Die Nut
- ✓ Special Thread Cutting Die
- ✓ Screw Adjustable Thread Cutting Die

Threading Dies

- ✓ Adjustable Circular Threading Dies
- ✓ Circular Threading Dies
- ✓ Round Threading Dies



Circular Special Thread Cutting Dies



We would like to introduce ourselves as one of the leading manufacturer of CIRCULAR THREAD CUTTING DIES & HEX DIE NUTS since last 40 years.

We manufacture Circular THREAD CUTTING DIES & HEXAGONAL DIE NUTS IN HSS & CS in various Thread Forms like BSW/BSF/UNF/UNC/UNEF/NS/WITHWORTH FINE/BSCON/B-SCY/ME/PG/METRIC(Fine, Coarse)/BSP/BSPT/NPT.

We have wide range of thread sizes from 1/8" (3mm) to 4" (100mm) in COARSE as well as FINE pitches, RH as well as LH.

We manufacture dies to various standard such as IS, DIN,BS,AMERICAN as well as to customer's specification / drawings.

We generally supply cut thread split dies. However, ground thread dies (lapped finish) can also be supplied. HSS Dies are generally produced from M2 grade. However, we can supply in M35 grade against specific requirement. Kindly note that our HSS DIES/DIE NUTS have GROUND RELIEF . This unique feature gives better cutting efficiency and improved thread finish.

Circular Special HSS Threading Dies



We would like to introduce ourselves as one of the leading manufacturer of Circular Thread Cutting Dies & Hex Die Nuts since last **40 years**.

We manufacture Circular Thread Cutting Dies & Hexagonal Die Nuts IN HSS & CS in various Thread Forms like BSW/BSF/UNF/UNC/UNEF/NS/WITHWORTH FINE/BSCON/BSCY/ME/P-G/METRIC(Fine, Coarse)/BSP/BSPT/NPT.

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Circular Special Thread Cutting Die



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We manufacture Circular Thread Cutting Dies & Hexagonal Die Nuts IN HSS & CS in various Thread Forms like BSW/BSF/UNF/UNC/UNEF/NS/WITHWORTH FINE/BSCON/B-SCY/ME/PG/METRIC(Fine, Coarse)/BSP/BSPT/NPT.

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Round Thread Cutting Dies



On offer from us Round Thread Cutting Dies that are fabricated using high-grade raw materials. All these are well known in the market for their durability and anti-corrosive nature. Our range of threading tools is available in various types of thread forms like Metric, BSW, BSF, BSP, BSCON, BS, CY, BSB, BA, ME, BSPT, UNF, UNC, UNEF, UNS, NPT.

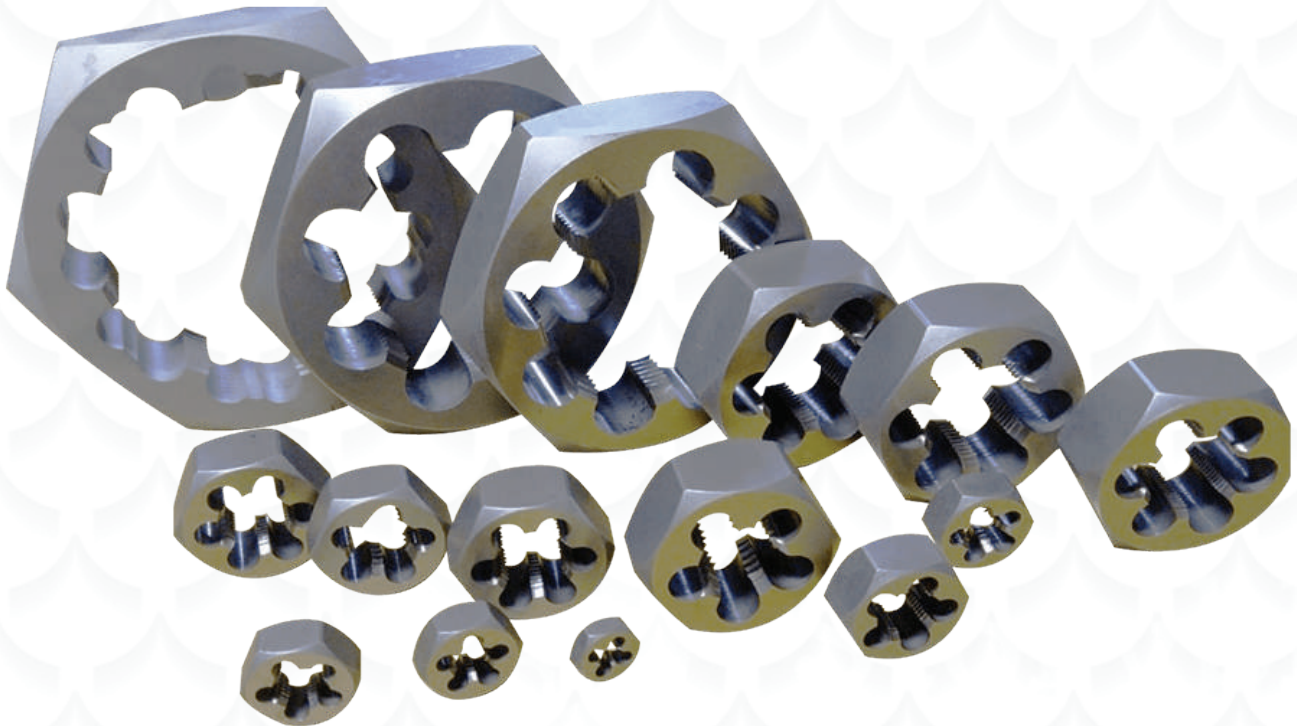
Thread Cutting Tool



HSS & CTS Adjustable Circular Threading Dies - for Use in Hand Die - Stocks and Machine Die Holders.

Slight Adjustment of Thread Size Can be Made.

Hex Die Nut



We would like to introduce ourselves as one of the leading manufacturer of Circular Thread Cutting Dies & Hex Die Nuts since last **40 years**.

We manufacture Circular Thread Cutting Dies & Hexagonal Die Nuts IN HSS & CS in various Thread Forms like BSW/BSF/UNF/UNC/UNEF/NS/WITHWORTH FINE/B-SCON/BSCY/ME/PG/METRIC(Fine, Coarse)/BSP/BSPT/NPT.

We have wide range of thread sizes from 1/8" (3mm) to 4" (100mm) in COARSE as well as FINE pitches, RH as well as LH.

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HSS Threading Dies



We would like to introduce ourselves as one of the leading manufacturer of Circular Thread Cutting Dies & Hex Die Nuts since last 40 years.

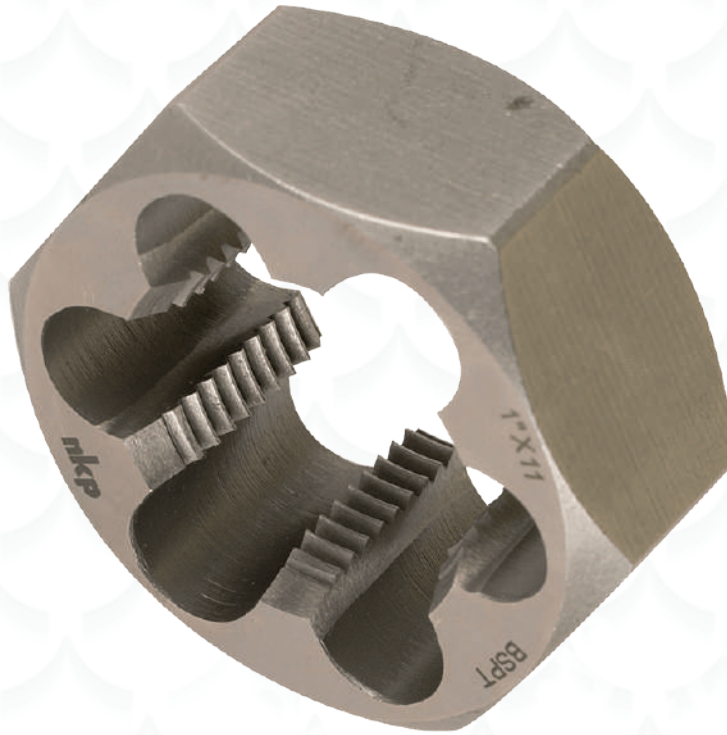
We manufacture Circular Thread Cutting Dies & Hexagonal Die Nuts IN HSS & CS in various Thread Forms like BSW/BSF/UNF/UNC/UNEF/NS/WITHWORTH FINE/BSCON/B-SCY/ME/PG/METRIC(Fine, Coarse)/BSP/BSPT/NPT.

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Thread Cutting Die



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We have wide range of thread sizes from 1/8" (3mm) to 4" (100mm) in COARSE as well as FINE pitches, RH as well as LH.

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Threading Die Nut



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Adjustable Circular Threading Dies



HSS & CS Adjustable Circular Threading Dies - for Use in Hand Die - Stocks and Machine Die Holders.

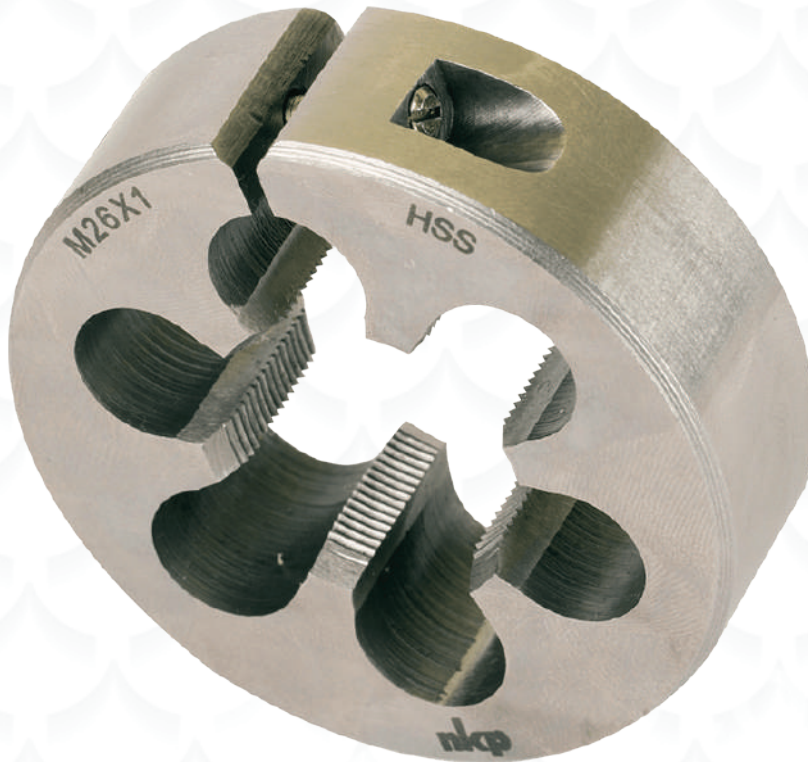
Slight Adjustment of Thread Size Can be Made.

Round Threading Dies



Backed by Efficient Team of Professional, We are Able to Supply a Comprehensive Array of HSS Round Dies. The Entire Product Line is Manufactured Using Finest Grade Raw Material and Latest Manufacturing Technology at Our Vendors' Production Unit.

Circular Threading Dies



We would like to introduce ourselves as one of the leading manufacturer of **CIRCULAR THREAD CUTTING DIES & HEX DIE NUTS** since last **40 years**.

We manufacture **CIRCULAR THREAD CUTTING DIES & HEXAGONAL DIE NUTS** IN **HSS & CS** in various **THREAD FORMS** like **BSW/BSF/UNF/UNC/UNEF/NS/WITH WORTH FINE/B-SCON/BSCY/ME/PG/METRIC(Fine,Coarse)/BSP/BSPT/NPT**.

We have wide range of thread sizes from **1/8" (3mm)** to **4" (100mm)** in **COARSE** as well as **FINE** pitches, **RH** as well as **LH**.

We manufacture dies to various standard such as **IS,DIN,BS,AMERICAN** as well as to customer's specification / drawings.

We generally supply cut thread split dies. However, ground thread dies (lapped finish) can also be supplied. **HSS Dies** are generally produced from **M2 grade**. However, we can supply in **M35 grade** against specific requirement.

Kindly note that our **HSS DIES/DIE NUTS** have **GROUND RELIEF**. This unique feature gives better cutting efficiency and improved thread finish.

Nikopas offers a wide range of products, including 'HEX DIE-NUTS'/ 'THREADING DIE NUTS', 'ROUND THREAD CUTTING DIES', etc. marketed under the brand name of **nkp**TM. Our manufacturing processes employ the latest tools, techniques and technology, so as to consistently roll out high quality output which meets industry standards.

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HOW TO GET BEST OUT OF YOUR **nkp**TM DIES

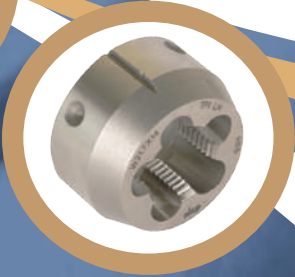
Threading Dies & Hex Die-Nuts

- ✓ As a rule, dies are manufactured solid, pre slotted (Form B). The dies produce male threads within the tolerance zone 6g or medium fit. The narrow web (Slot) on the Die can be easily cut off, when special tolerance required. The Die will then be adjustable (Form A).
- ✓ Generally two types of dies commonly used viz., Cut Thread Dies and Ground Thread Dies. Ground Thread Dies have thread lapped and produce good quality threads. They are more accurate and generally used on machines. Cut Thread Dies are used by hand.
- ✓ Round Dies are used to produce threads whereas Hexagonal Die-nuts or Re-threading Hex Die-nuts are used for repairing of damaged or worn out threads. A simple spanner is used to drive the Hex Die-nuts.
- ✓ **nkp**TM (LAPPED) Dies are ground after hardening in exact concentricity to their threads in both the perpendicular and horizontal planes. In good working conditions the Dies will always run true on the workpiece.
- ✓ **nkp**TM (LAPPED) Dies produce exceptionally good finish.
- ✓ The design and heat treatment of dies give a high efficiency in steel up to 750 N/mm². For steel with tensile strength 750 N/mm² and shot chipping brass special types Dies are available.

- ✓ The number of flutes in the Dies depends on the nominal size of threads and on the application.
- ✓ The High Speed Steels and special Carbon Steels used for manufacturing of Dies are subject to a strict quality inspection.
- ✓ The carefully supervised heat treatment produces quality and highly efficient tool life.
- ✓ The quality and accuracy in size of thread produced depends essentially on many factors such as machines should be in A1 condition preferably with positive feed and chuck having axial and radial compensation. They prevent defective threads. Special attention must be paid to perfect alignment of the work pieces.
- ✓ True alignment of work piece and Die are of prime importance.
- ✓ Dies must be sharpened correctly and in due time. Blunt or faulty re-sharpened tools produce defective threads and increase torque up to 100%, causes excessive wear and breakage.
- ✓ While producing male threads with Dies it should be noted that the diameter of the bolts / component must always be a little smaller than the nominal size of the threads. While producing ISO male threads within the tolerance position 6g or medium, the negative allowance for the major diameter must be considered (MAJOR DIAMETER OF BOLTS = NOMINAL SIZE MINUS ALLOWANCE).
- ✓ In principle diameter of bolt should be as low as tolerance will allow.
- ✓ In order to facilitate start of threading, the bolt should be provided with bevel / chamfer.
- ✓ A perfect alignment of the tools axis to the work piece is very important to produce male threads and good Die life.



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Office Address:

Factory Address:



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