KADIMI TOOL

THE LEADING GLOBAL SUPPLIER OF THREAD ROLLING DIES

www.kadimitool.com

ABOUT US

Leading global supplier of Thread Rolling Dies offering a comprehensive range of products and services to the Automotive and Industrial Fastener Manufacturers Worldwide. Committed to maintain our leadership by providing unmatched product quality, technological innovation and superior customer service, resulting in the lowest cost per piece for our customers.

Our manufacturing facility combines the latest CNC machining technology with the traditional craftsmanship of a skilled and dedicated workforce. Investment in new equipment and skill-up is part of our ongoing philosophy to exceed customer expectations.

- Established in 1988.
- Integrated in-house manufacturing facility.
- Manufacturers of Flat Milled and Flat Ground Dies.
- Special Surface treatment for enhanced tool life.
- Production Size Range - #000 (45/39/12 mm) to 1000D (550/495/56 mm) upto 168 mm Face Width.

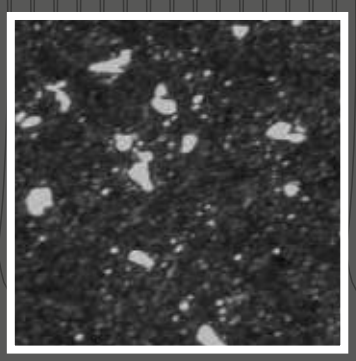
INTEGRATED IN HOUSE MANUFACTURING

Kadimi commitment to customer service includes a fully comprehensive technical support programme. Our in-depth knowledge of threading tools, how they are made and the machines they are used on, is a highly valued resource and freely accessible to customers world-wide.

QUALITY & CUSTOMER SERVICE

Kadimi utilizes sophisticated technology in a fully integrated manufacturing operation having CNC machine tools, in-house heat-treatment and have developed highly specialised operations for the production of Thread rolling dies.

Kadimi dies are inspected and validated through our stringent quality systems from receipt of customer order to delivery of product, supported by prompt after sale service.

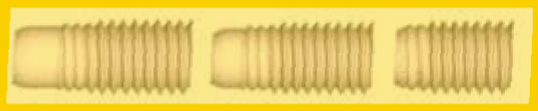


STANDARD & LICENSED THREAD ROLL DIES

acument GLOBAL TECHNOLOGIES

STRUX®

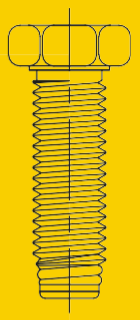
MATthread®



P-Point Mathread

MATPoint

VS Point MAT Point



MATPOINT VR

EJOT®

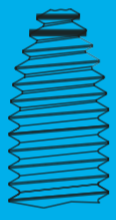
Ejot PT®

Ejot Delta PT®

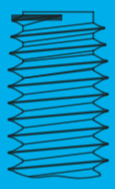
Ejot Duro PT®

Ejot PT® Type DG

CONTI

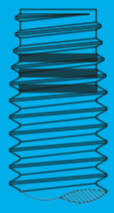


EXTRUDE-TITE®

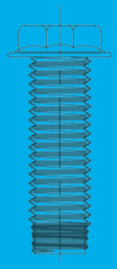


POWERLOK®

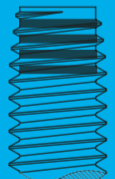
PLASTITE®



OIL-TAPTITE ®

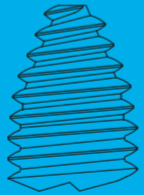


TAPTITE® PRO™

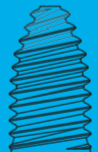


TAPTITE II®

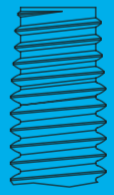
TAPTITE® CA CUT OFF



TAPTITE® CA NON CUT OFF



FASTITE® 2000™



TAPTITE 2000®

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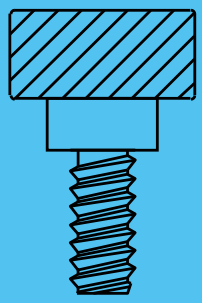
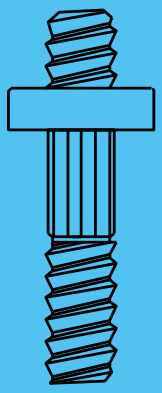
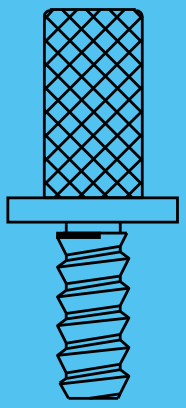
KNURL APPLICATIONS



Diagonal Knurling



Straight Knurling



Diamond Knurling

Type A

Type AB

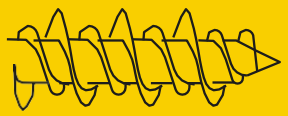
Type B

Type F

STANDARD FASTENERS

Type U

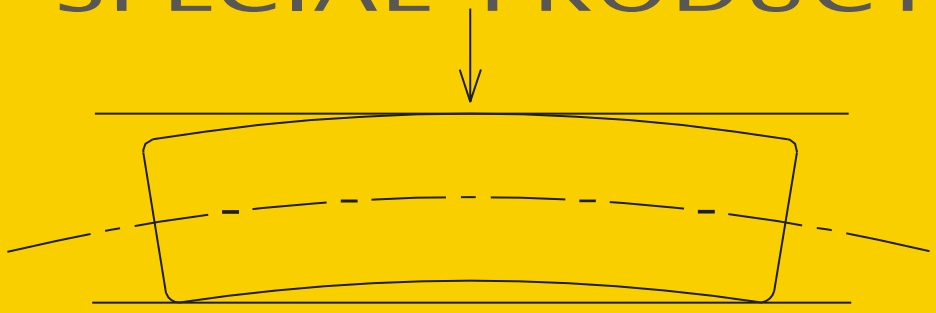
VA



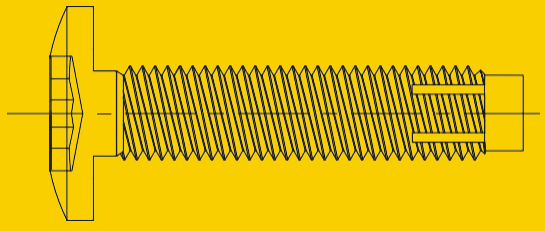
Hi Lo Screw

Type BF

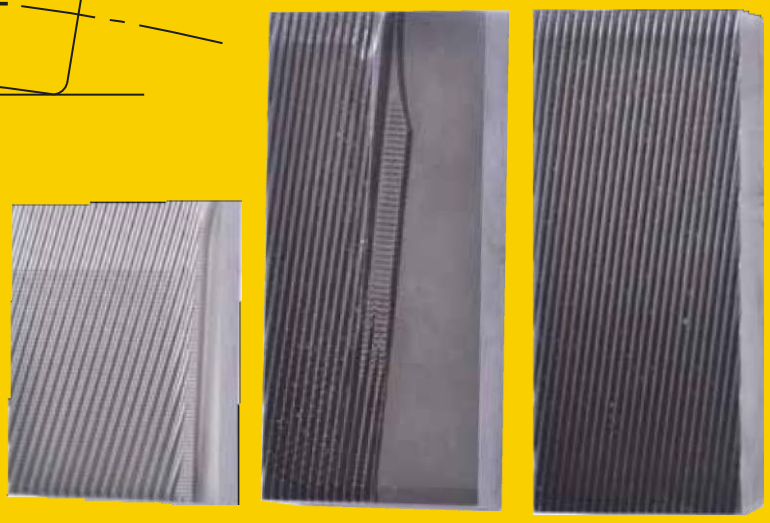
SPECIAL PRODUCTS



Straightening die

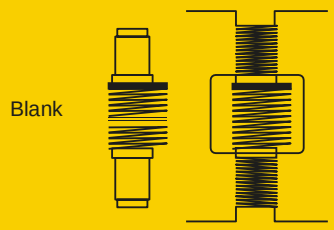


Paint Scraper Dies

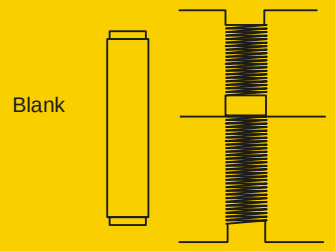


AHT Plus for Rolling after Heat Treatment

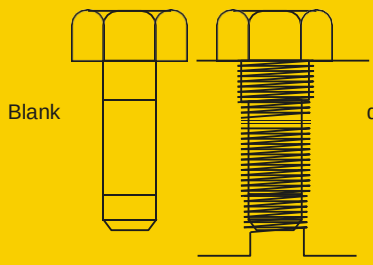
TYPICAL THREAD AND FORM ROLLING APPLICATIONS USING KADIMI DIES



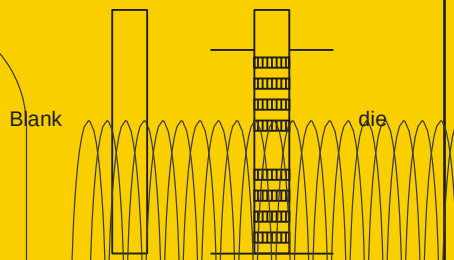
ROLLING THREADS ON BOTH ENDS OF PART WITH ECCENTRIC BODY



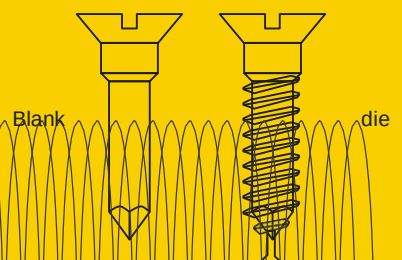
ROLLING OF RIGHT AND LEFT HAND THREAD AT SAME TIME



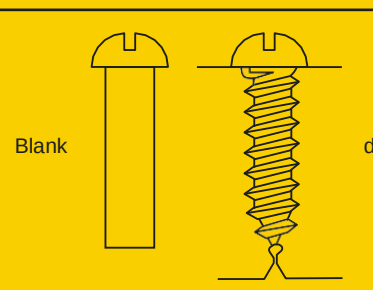
ROLLING MULTI–STEP THREADS



MULTIPLE BAND KNURLING

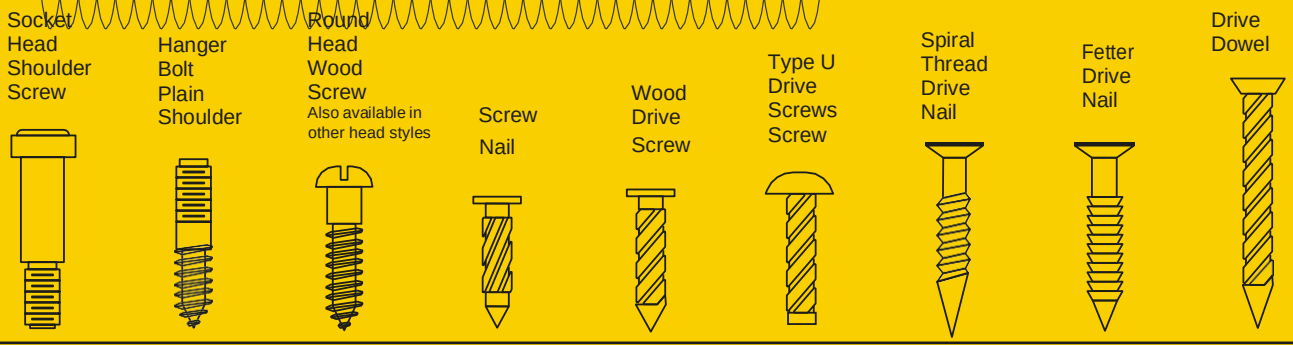


ROLLING THREADS ON WOOD SCREWS



ROLLING THREADS ON TYPE A SCREWS

MISCELLANEOUS SCREWS, BOLTS, NAILS AND DOWELS



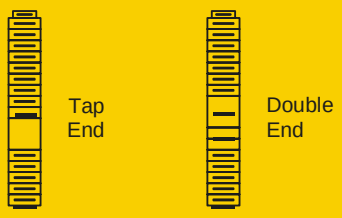
SPECIAL DESIGNS

Ogival Screw (Radial Point)

Hose Clamp Screw

Cone Point

STUDS

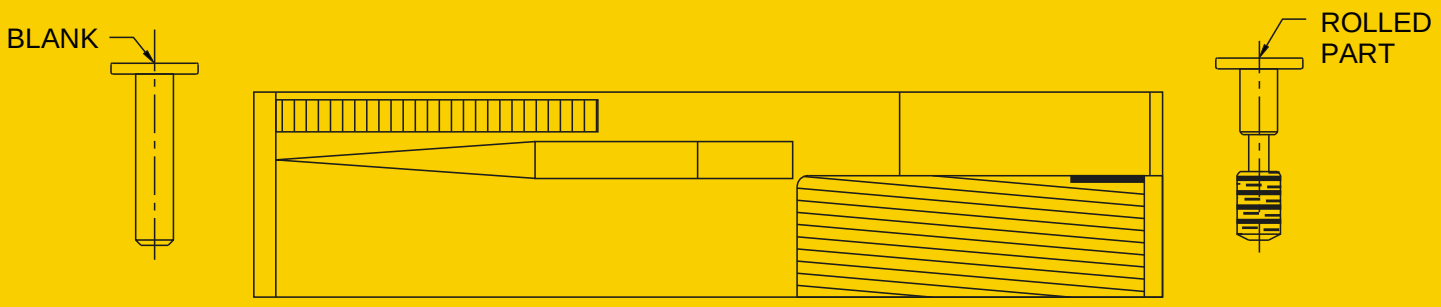


TAPPING SCREWS

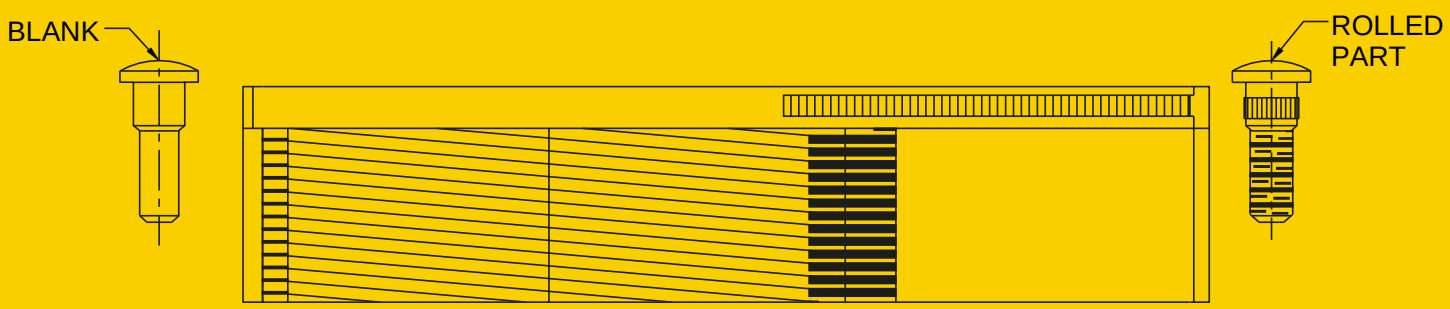
Available in other head styles as well as those shown

Note: Types D and G are same as Type C with the addition of cut flutes on the points.

THREADING AND GROOVING



COMBINATION TRANSFER DIES

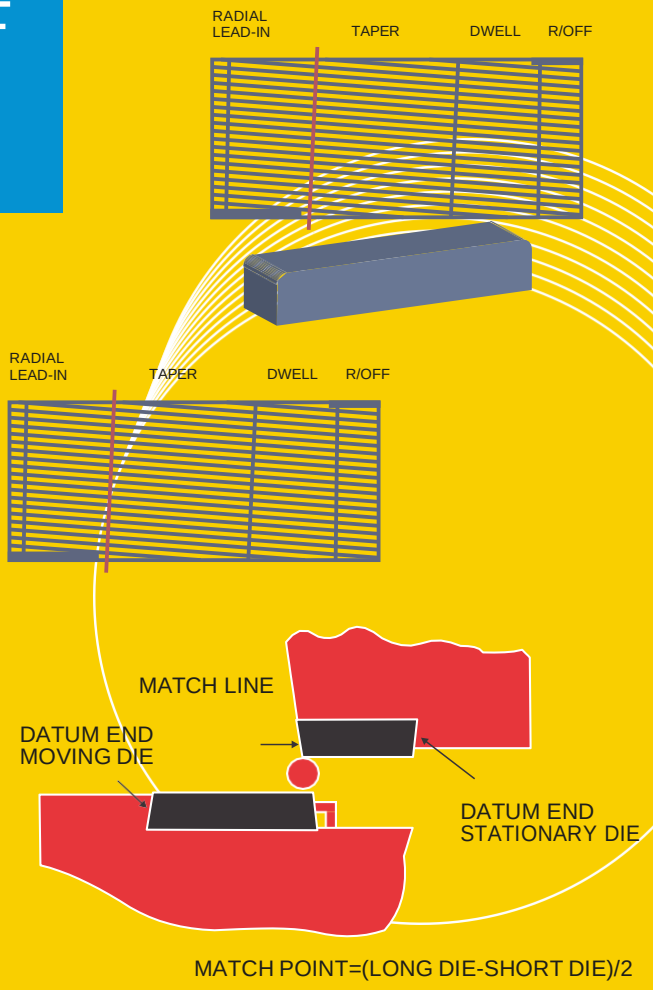


ADVANTAGES OF KADIMI THREAD ROLLING DIES

Longer Tool Life & Reduced Threading Costs per piece.
Kadimi Thread Rolling Dies give longer tool life which results in lower cost per piece for the customers.

Installation is made easy because of the accuracy of Kadimi dies which are made to closely controlled limits of tolerances to ensure making perfect contact with the screw blank to be rolled.

Reduced setup time, minimised shimming, elimination of drunkenness and extended die life.

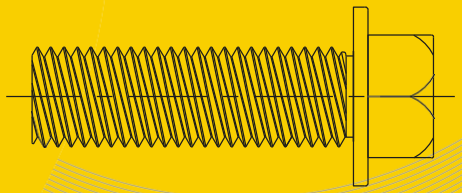


Flat thread rollng dies with sharp corners on the run out threads generates stress concentration areas which result in fatigue cracks in the rolled screw. With the Radius Run-Out (RRO) offered by Kadimi, the smooth radius in the root of the thread continues right up to the point where the thread blends in the shank of the screw. This RRO was designed for rolling high strength aerospace bolts, however, it is available for all Kadimi dies.

LF TECHNOLOGY

Our LF dies are developed to roll the best quality fasteners without modifying any of the processes (e.g. blank preparation and machine operation) in controlling manufacturing variables to yield lap-free threads.

- Helps maintain production rates and m/c speeds - Rolling critical/ hard material fasteners.
- Enhances control of Grain flow; No other thread rolling dies in the world has this capability.
- Improves physical characteristics of the fastener, the smoother surface finish and rolled fasteners stronger in fatigue, shear and tensile strength.

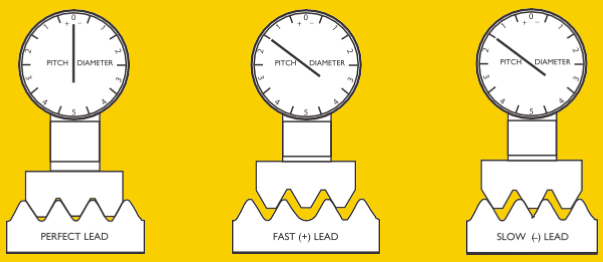


KADIMI THREAD ROLLING DIE FEATURES

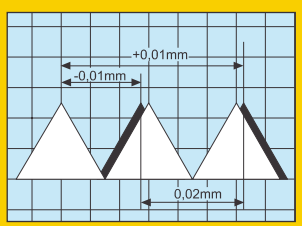
- **Special LF Dies for Laps free rolling.**
- **Kadimi Classic profile Dies for rolling "AHT", SS & exotic materials .**
- **Controlled Radius Run - Out (RRO).**
- **Highest tolerance specifications for repeatability and ease of set-up.**
- **Leaders in Special and Licensed Die technology.**
- **Optimized roll - forming designs using finite element analysis.**
- **Widest range of materials and surface treatments to suit your application.**
- **Die with Lift Holes for ease of handling.**

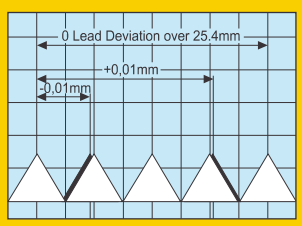
Product for better, smoother Thread: The well blended Radii in Kadimi dies allow the metal of the part being formed to flow more easily and produce a better, smoother thread.

Increased Fatigue Resistance due to RRO offered by Kadimi . With this well blended radius, a better and smoother thread is produced.
Consistent Accuracy on threaded parts is guaranteed with Kadimi Thread Rolling Dies which are held to extremely close tolerances.



Lead deviation, fast or slow, increases pitch diameter.



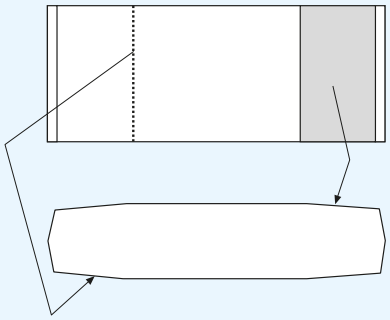


this measurement.

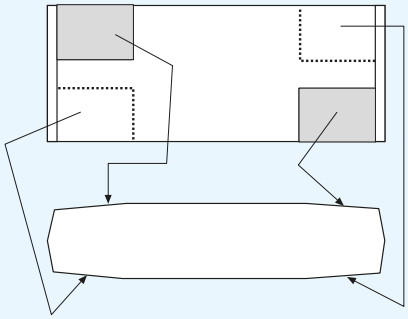
NOTE: WE ALSO OFFER RE-GRIND SERVICE

SANDBLASTING AND CROSSNICKING EXAMPLES

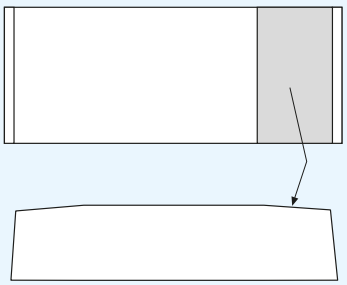
Type A. Duplex - 2 Way Rolling



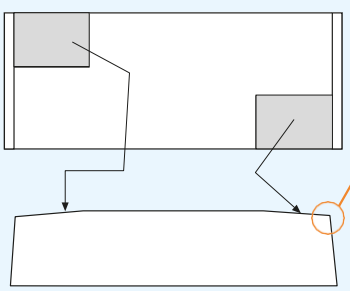
Type B. Duplex - 4 Way Rolling

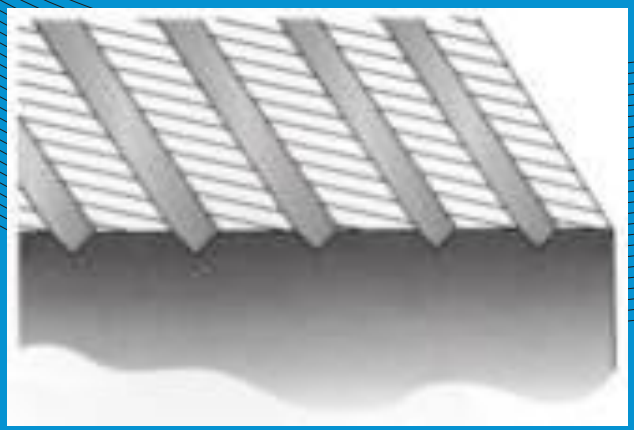


Type C. Single Face - Double Setting - Single Rolling



Type D. Single Face Double Setting - 2 Way Rolling

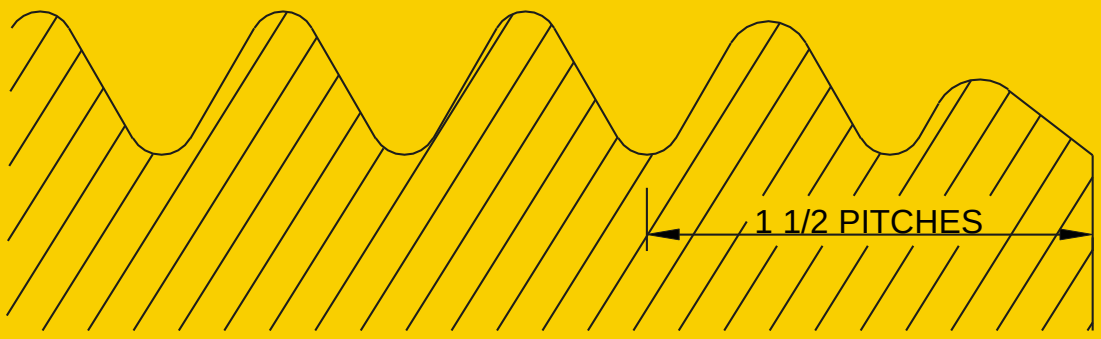




Crossnick

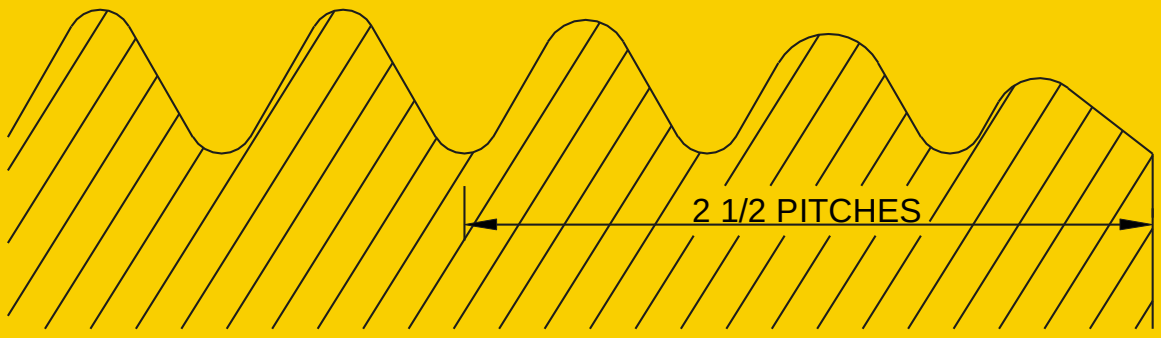
STANDARD RRO TYPES

RRO type B



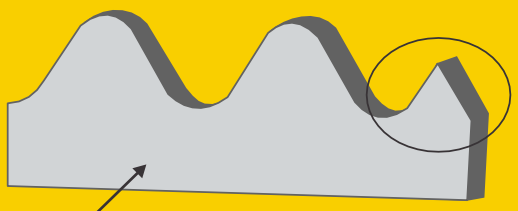
1 1/2 Pitch R.R.O. 45° x Single Depth Chamfer

RRO type C



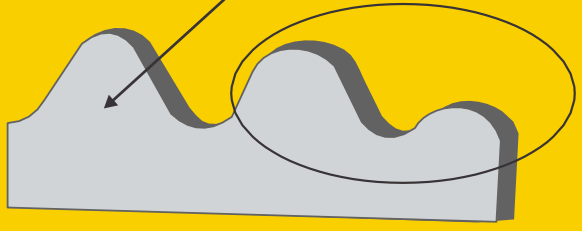
2 1/2 Pitch R.R.O. 30° x Single Depth Chamfer

RRO: RADIUS RUN OUT



Conventional Thread Runout Sharp corners generate potential fatigue failure areas

Kadimi RRO-the radius distributes evenly thus increasing fatigue resistance in an area of the screw where failure is most likely to occur



KADIMI RRO TYPE EXPLAINED

RRO TYPE	RRO X ANGLE X DEPTH
A	1 PITCH X 62° X 3 TD (2P UNDER HEAD)
B	1.5 PITCH X 45° X 1 TD
C	2.5 PITCH X 30° X 1 TD
D	2.5 PITCH X 45° X 2 P (4.5P UNDER HEAD)
E	1.5 PITCH X 45° X 2 TD (2.5P UNDER HEAD)
G	CHAMFER AND BREAK SHARP EDGE ONLY
H	2.5 PITCH X 45° X 2 TD (3.5P UNDER HEAD)
I	1 PITCH X 60° X 1 TD
J	2.5 PITCH X 30° X 2.5 TD (3.5P UNDER HEAD)
K	1 PITCH X 60° X 2 TD (1.5P UNDER HEAD)
L	1.5 PITCH X 47° X 2 TD (2.5P UNDER HEAD)
M	1.5 PITCH X 47° X 2 TD (2.5P UNDER HEAD)

P = PITCH TD = THREAD DEPTH

ANGLE DATUM IS TAKEN FROM THREADED FACE

We can customize the RRO according to customer needs.

ESTABLISHED & CERTIFIED
QUALITY SYSTEMS

KADIMI TOOL MFG.
CO. PVT. LTD.

118, UDYOG VIHAR, PHASE-1, DUNDAHERA,
GURUGRAM - 122016,(NEAR DELHI)
HARYANA, INDIA
e-mail: snath@kadimi.net
www.kadimitool.com

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