Mfrs of
Scalping Cutters, Circular Slitter Knives, Spacers & Overarm Separators Discs
ROTARY SLITTER KNIVES AND ACCESSORIES FOR SLITTING LINES

MAXWELL is manufacturer of complete range of Industrial Knives, Blades & Slitters.

INDUSTRIES WE SERVE:

- Metalworking Industry
- Paper Tissue Industry
- Packaging/Carton Industry
- Woodworking Industry
- Textile/Cloth Industry
- Food Processing Industry

ROTARY SLITTER KNIVES/HR & CR SLITTING CUTTERS

- Available in D2, D3, HSS, H11, H13
- Used for Slitting & trimming mild Steel, CRGO, CRNGO, Stainless Steel, Aluminium, Brass & Copper
- Sharp, Uniform shearing edge after Regrinding.
- High productivity & low downtime.
- Thickness tolerance 0.0015mm; Flatness tolerance 0.001mm (depends on OD & thickness)
- Lapping for finish upto 0.1 Ra
- Manufacture upto 600mm OD
- Optimum hardness for wear resistance.
- Cutting capacity range: 0.1mm to 24mm thick strip.
- Surface finish: ground, lapped and polished.

CIRCULAR KNIVES

Circular Blade Types:

- D: Dished
- F: Flat
- SB: Single bevel
- DB: Double bevel
- DHB: Double hollow bevel

APPLICATIONS:

- CUTTING
- TRIMMING
- SLITTING
- SLICING
- PERFORATING
- SCORING
- CREASING
**TOP SLITTER KNIVES**

- Super Finished, Precise and Polished Cutting edges
- Engineered for trouble free and high speed slitting
- Best Alloy Steel
- Used for Slitting Paper

**REWINDER SLITTER KNIVES**

- Available in different sizes & materials.
- High Speed dust free slitting/cutting.
- Longest life between regrinding.
- Material D2 D3.
- Negligible run outs and vibration in high speed slitting.
- Super fine polish and precision cutting edges.

**METAL SPACERS**

*Used on arbor shift with cutters and overarm shaft with discs*

- High precision with thickness tolerances up to ± 5 microns.
- Tool steel or stainless steel quality
- Utilization of ergonomic advantages
- Divided spacers for subsequent knife clearance corrections
- Quick changing of special gauge spacers
- Light weight helps operator and causes less fatigue
- **Spacers provide uniform distance between the rotary slitting knives.**
RUBBER BONDED SPACERS

Characteristics:
- Graduated in thickness from 3 to 100 mm (in exceptional cases up to 250 mm)
- Different colors Special dimensions of steel cores for trimming systems
- Divided spacers
- Excellent oil and abrasion resistance

Cutting Applications:
- Ejecting
- Conveying
- Lifting (Protecting the material surface)
- Supporting (Stabilizing the material)

STEEL STRIPPER RINGS

Stripper rings assist cutting applications for various tasks:
- Ejecting
- Conveying
- Lifting (protecting the material surface)
- Supporting (stabilizing the material)

SEPARATOR DISCS/OVERARM SEPARATOR DISCS

Separator discs are used to maintain distance between slits.
CHARACTERISTICS:
- Single & Double Angle and various thickness
- Finest Steel (EN9,52100,Spring Steel) & hardness of 58/60 Rockwell
- Chrome plating option available to reduce friction between plate face & slit edge.

FOLDING & PERFORATION KNIVES

- For folding, creasing ,cutting & perforation
- Precision shapes & different tooth profiles
- Available in different grades for different application
**SHEAR BLADES**

**Characteristics:**
- Upto 16 feet in length
- AISI D3, D2, H13
- High wear resistance and shearing strength
- Easy to use due to close centre distance tolerances
- Sharp edge & superior surface finish

**CIRCULAR SEGMENTAL SAWS**

**Material:** steel, cast, non-ferrous metals  
**Application:** for cutting profiles and solid steel  
**Machine:** metal processing machines  

**Characteristics:**
- Standard produced with C tooth form and with cooling slots  
- Other number of teeth, central bore diameter, driving holes number is possible

**GRINDING SERVICE**

Maxwell can provide accurate regrinding services. This offers reliable and professional know how from us without the risk of losing accuracy of the tooling.

**LAPPING**

We have inhouse lapping machines for polishing and cleaning of parallel surfaces of circular tools (knives and/or spacers).

**QUALITY**

- To achieve higher levels of performance; we can supply thickness & flatness tolerances within ± 2microns depending on OD & Thickness.
- Surface finishes of Ra 0.1 are available.
- To cater the demand for tightest tolerances for thickness, parallelism, flatness, O.D. and I.D.; we have adopted specialized know how and highly modern production technologies.
- Our specialized laboratory with the latest CMM, Roundness Tester, Digital Vernier & micrometers help us achieve tight tolerances.
In addition; we also manufacture complete range of the following HSS Cutting Tools:

- GEAR MILLING CUTTERS
- SCALPING CUTTERS/SLAB MILLING CUTTERS/CYLINDRICAL CUTTERS for scalping copper alloy sheets rolled in hot rolling.
- HACKSAW MILLING CUTTERS (24tpi, 18tpi)
- GEAR HOBS

GUARANTEE: ALL MATERIAL IS FULLY GUARANTEED AGAINST DEFECTS IN MATERIAL OR WORKMANSHIP

SHIPPING TERMS: WE SHIP DOMESTIC SHIPMENTS BY FIRST FLIGHT/OVERNITE/SPOTON
EXPORT SHIPMENTS THRU’DHL/FedEx

TERMS OF PAYMENT: ADVANCE TT/CREDIT CARD/PayPal

QUOTATION SERVICE: We solicit the opportunity to quote on your needs. Quotations are valid for 30 days.

Note: Maxwell is not responsible for any cutting tool that may break or shatter under improper use.

ORDERING INSTRUCTIONS:

SINCE THESE INDUSTRIAL KNIVES ARE MANUFACTURED ONLY ON REQUEST IT IS VERY IMPORTANT TO SPECIFY THE FOLLOWING DATA IN CLIENT’S INQUIRIES OR ORDERS:

- Diameter of the circular knife (Outer Diameter)
- Thickness of the circular knife (thickness)
- Central bore diameter of circular knife (Inner Diameter)
- Driving pin holes diameter, number and pitch of the circular knife
- Kind of material which should be used for body of the circular knife (HSS; D2; D3; H13 or EN31)
- Cutting edge variant of the circular knife

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