



ROHIT INDUSTRIES GROUP (P) LTD

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HISTORY



- ▶ 1963 – Setup of RIGPL with mere 2 employees to start off with & small workshop
- ▶ 1992 – Setup of Modernised Delhi Plant I
- ▶ 1996 – Setup of Bahadurgarh (Haryana) Plant II
- ▶ 1998 – SOP for HSS Round Tool Bits
- ▶ 2002 – SOP for HSS Punches
- ▶ 2007 – Modernisation of Heat Treatment Plant
- ▶ 2008 – Setup of CNC Production Facility for Carbide End Mills
- ▶ 2011 – SOP for Solid Carbide Drills
- ▶ 2011 – SOP for Solid Carbide Reamers and Centre Drills
- ▶ 2012 – SOP for HSS End Mills & Centre Drills
- ▶ 2014 – SOP for Carbide High Performance End Mills
- ▶ 2015 – Setup of Bahadurgarh (Haryana) Plant III
- ▶ 2016 – SOP for TIGER DRILLS (Handcrafted Drills)



RIGPL Today

- ▶ Today RIGPL boasts of over 50,000 sq. ft of Area spread over 3- Manufacturing plants & 2 Sales Offices.
- ▶ Over 80,000 items stocked in 2-warehouses
- ▶ Over 80+ employees in manufacturing including 12 Engineers working in QC, Production departments.
- ▶ With over 15 Application Engineers to help Customers.
- ▶ Dedicated R&D Team for product improvements
- ▶ **Director's Profile:**
 - 2 Director's with over 30-years of tooling experience,
 - 1 Director with Metallurgical from I.I.T Kanpur & MBA Finance from IIMS – Kolkata & 12 years of tooling experience
 - 1 Director with Mechanical Engineer Degree from Delhi College of Engineering (D.C.E) & 6 years of tooling experience.
 - 1 Director with Electrical Engineer from D.C.E with 12 years of Tooling Experience.

What RIGPL can do for YOU ?



Application
Based
Solutions

Standard
Carbide
Tools

TIGER**
Drills

HSS Tools

Application Based Solutions



ADVANCED METALWORKING
APPLICATION SUPPORT THAT DRIVES RESULTS

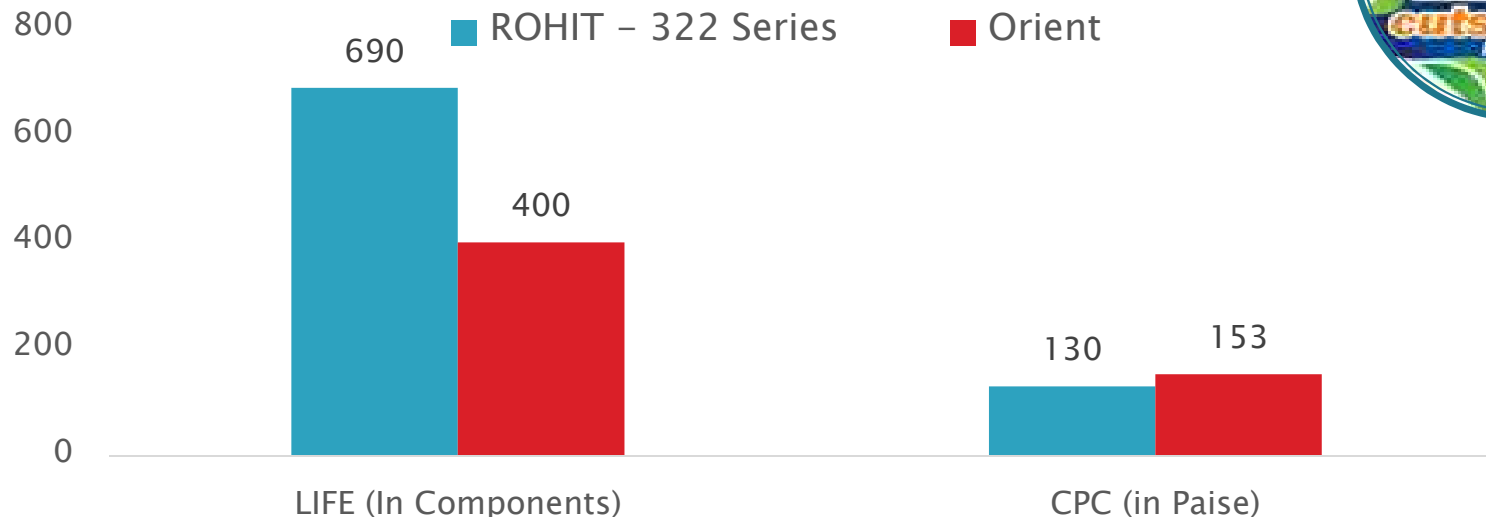


Improve Your
Manufacturing





Slotting Application

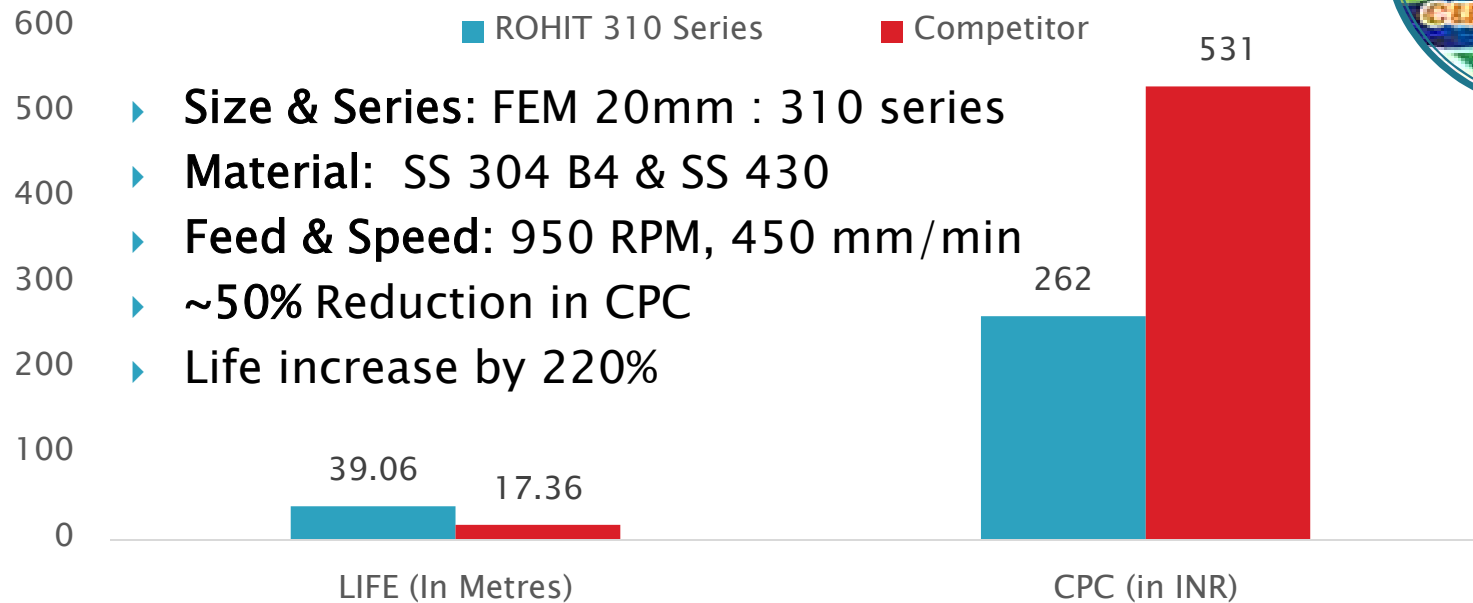


- ▶ **Size of tools & Grade: 8mm - 322 Series**
- ▶ **Material: SCM 420M**
- ▶ **Parameters : 4000rpm & Feed 400mm/min**
- ▶ **~20% Reduction in CPC**





Side Milling

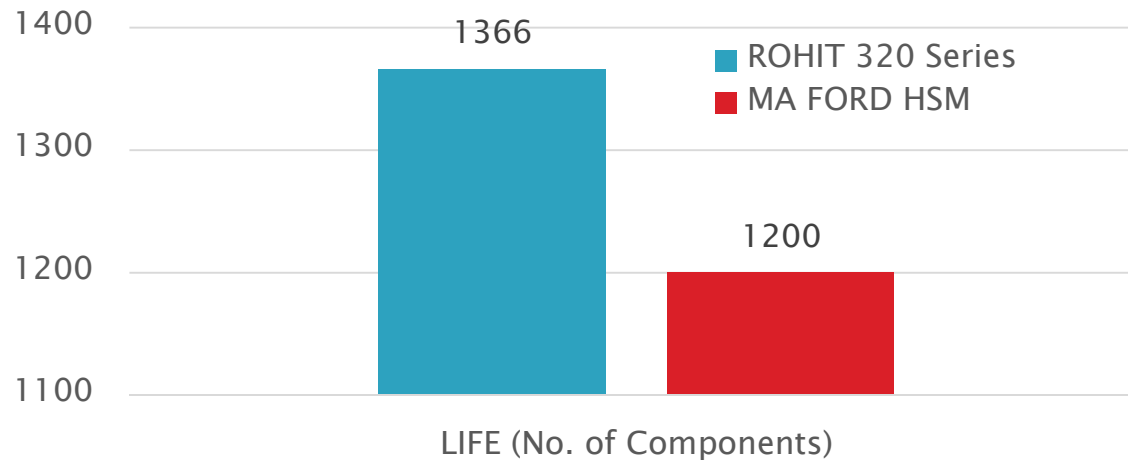


- ▶ **Size & Series:** FEM 20mm : 310 series
- ▶ **Material:** SS 304 B4 & SS 430
- ▶ **Feed & Speed:** 950 RPM, 450 mm/min
- ▶ **~50% Reduction in CPC**
- ▶ **Life increase by 220%**





Side Milling

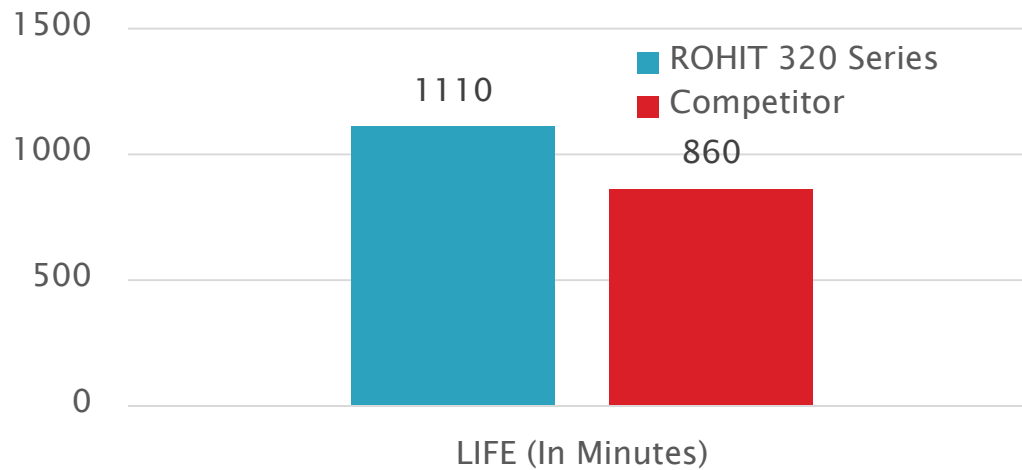


- ▶ **Component:** Bike Kick Cam
- ▶ **Competitor :** MA Ford (HSM series)
- ▶ **Material:** Steel – 15 HRC
- ▶ **Size, Grade & Series of ROHIT :** 10mm End Mill, 3X, 320 series
- ▶ **Feed & Speed Data:** 3200 RPM & 450 mm/min
- ▶ **CPC Reduction by ~50% from 1.80 to 0.95 in INR**





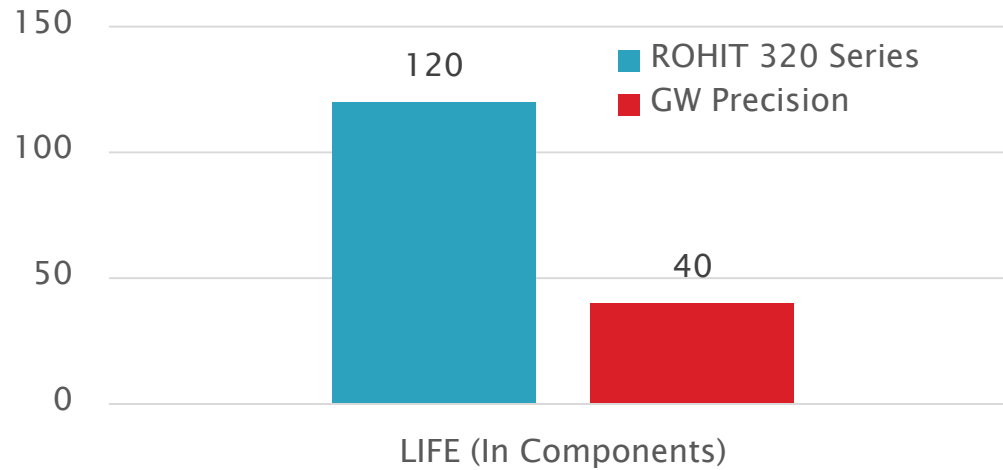
Plunging + Slotting



- ▶ **Component:** Compressor Part
- ▶ **Material:** Steel - 15 Hrc
- ▶ **Size of tools & Grade:** Taper End Mill 4mm x 5Degree, 320 series
- ▶ **Feed & Speed Data:** 4000 rpm & 500 mm/min



Plunging + Interpolation

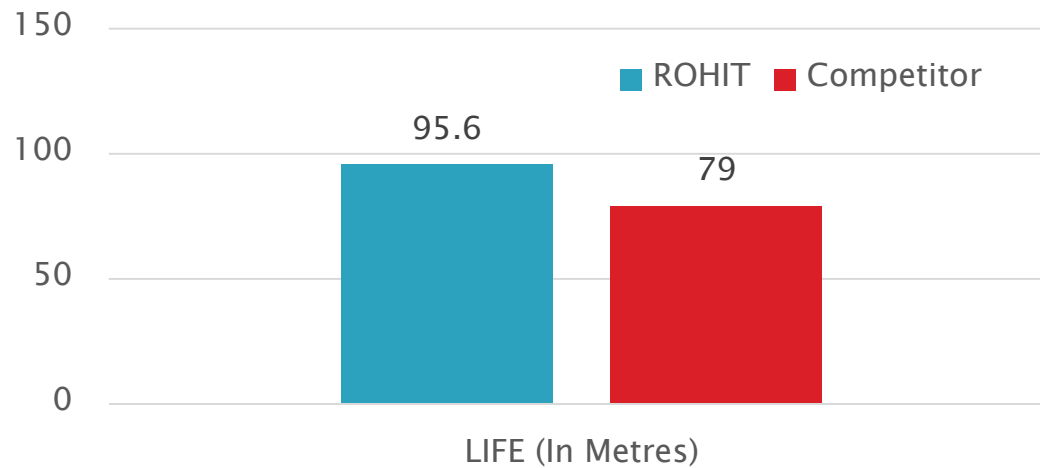


- ▶ **Component:** New Holland Tractor Part
- ▶ **Material:** Steel - 25 Hrc
- ▶ **Size of tools & Grade:** 3mm, 320 series
- ▶ **Feed & Speed Data:** 4000 rpm & 120 mm/min





Drilling



- ▶ **Component:** New Holland Tractor Part
- ▶ **Material:** Steel – 20Hrc
- ▶ **Size of tools & Grade:** 7.8mm Drill Double Sided, 3X
- ▶ **Feed & Speed Data:** 2800 rpm & 500 mm/min



Standard Carbide Tools

Carbide General Purpose End Mills



*GP-0X Series (110 & 111 Series)***

- **Application:** Can work up to 40-45 HRC, newest addition with price half that of YG-1 K2 series & similar life.

GP-0X Series (103 & 104 series)

- **Application:** Wood Working industry like CNC Wood Router machines & non-ferrous materials

GP-1X Series (201 & 202 series)

- **Application:** Suitable for non-ferrous, free cutting materials, C.I below 320BHN & steels up-to 35HRC

TX Series (205 & 206 series)

- **Application :** Suitable for machining pre-heat treated steels P20 up to 50HRC



**** New Series not in catalog**

Carbide High Performance End Mills



HP-3X series (301 & 302 series)

- **Application:** Suitable for machining Hardened dies in range of 40–55HRC like P20, D2, D3, H13 etc.

HP-4X series (401 & 402 series)

- **Application:** Suitable for machining Hardened Die steel & tool steel in range of 55–65HRC

HP-STEEL series (320 to 321 Series)

- *320 & 321 series - is for all type of milling in Alloy Steel like S35C, S45C etc.*



Carbide High Feed Cutter



▶ *High Feed Cutters (407 series)*

- Replace your Ball Nose in roughing or semi finishing operations with SUPER-CUT End Mills
- Suitable for HSFM (High Speed Feed Machining)
- Reduces machining time considerably; you do NOT have to think of your productivity again
- Suitable for machining hardened dies above 60HRc like D2, D3, H13 and other types of Tool & Die steels



Carbide High Performance End Mills



SUS / SS / TITANIUM machining – 310 Series

- **Application:** Machining SUS / Stainless steel, Titanium & other difficult to machine materials.
- **Features:**
 - Comes with Special NOVA coating



Special Carbide End Mills



End Mills with Taper Neck



Bull Cutter



Taper End Mill



Double Sided End Mill

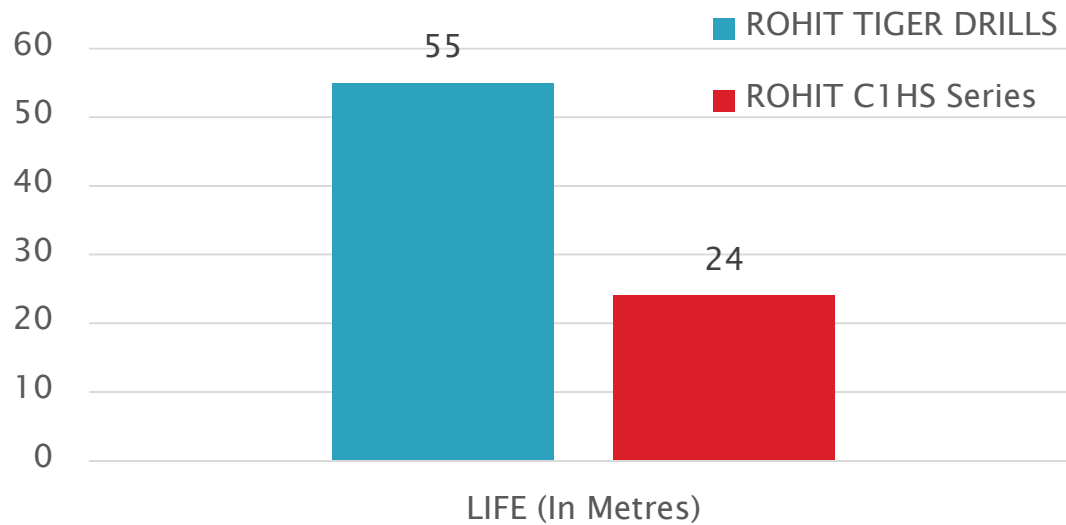




TIGER DRILLS**



Intermittent Drilling



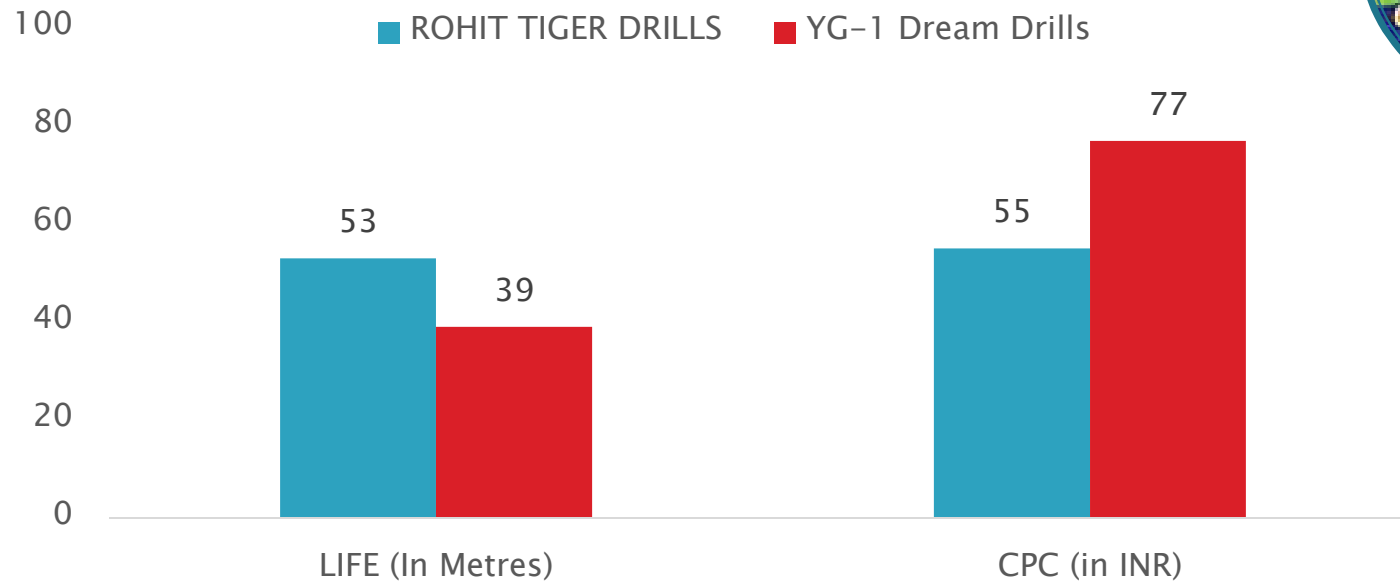
- ▶ Size of tools & Grade: 8.5mm TIGER Drills**
- ▶ Material: S35C (Steel)
- ▶ Feed & Speed Data: 2000rpm & Feed 200mm/min

** New Series not in catalog





Through Drilling

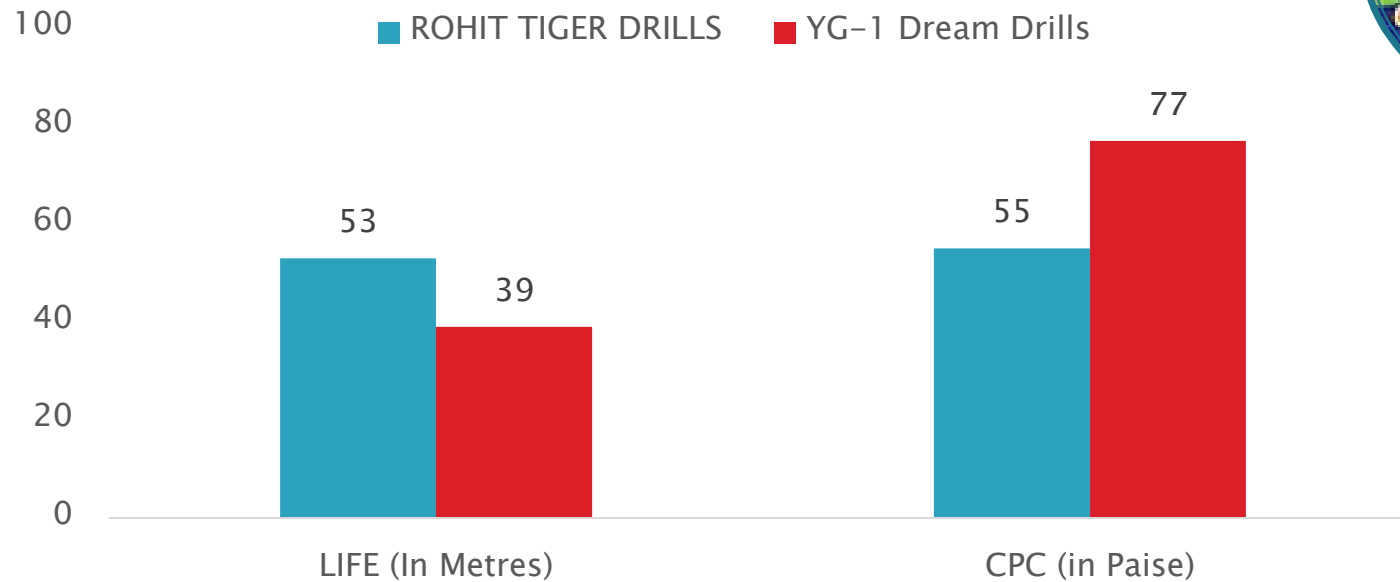


- ▶ **Size of tools & Grade: 6.5mm 3X TIGER Drills**
- ▶ **Material: S35C (Steel)**
- ▶ **Feed & Speed Data: 2400rpm & Feed 250mm/min**
- ▶ **~40% Reduction in CPC**





Through Drilling

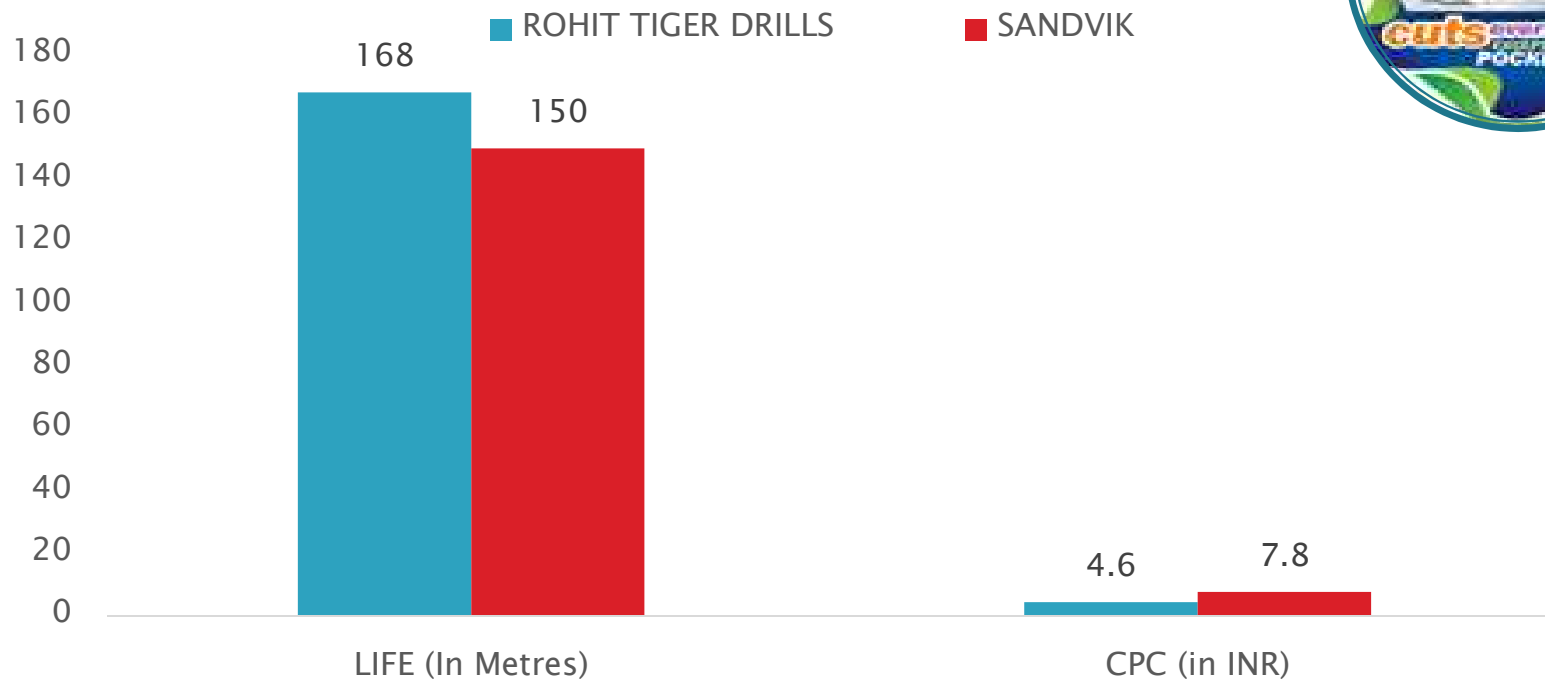


- ▶ **Size of tools & Grade: 6.5mm 3X TIGER Drills**
- ▶ **Material: S35C (Steel)**
- ▶ **Feed & Speed Data: 2400rpm & Feed 250mm/min**
- ▶ **~40% Reduction in CPC**





Through Drilling



- ▶ Size of tools & Grade: 13.6mm 3X TIGER Drills
- ▶ Material: Cast Iron
- ▶ Feed & Speed Data: 2000rpm & Feed 700mm/min
- ▶ ~ 70% Reduction in CPC



HSS Tools

Products (HSS Tools)



▶ *Type of HSS Tools*

Square & Flat / Rectangular in M2, M35, M42 & T42



Round Tool Bits in M2, M35, M42 & T42 grades



Parting Blades in M2, M35, T42



Punches in M2 & ASP grade



Our Customers



- ▶ Note: these are some of our satisfied customers from the list of 1000+ customers



Thanks