

ASHOK PIRAMAL GROUP







ISO CERTIFICATE

QUALITY POLICY

Certificate

Standard

ISO 9001:2015

Certificate Registr. No. 85 100 001 14184

Certificate Holder

M &

Miranda Tools Private Limited.

(Formerly known as PMP Auto Components Pvt. Ltd.) Site 1: Plot No. 903 & 904, GIDC,

Ankleshwar - 393 002. Dist. Bharuch, Gujarat, India.

Site 2: Plot No. A-2/4110, GIDC,

Ankleshwar-393002, Dist. Bharuch, Gujarat, India.

Site 3: Plot No. A-1/4103, GIDC, Ankleshwar-393002,

Dist. Bharuch, Guiarat, India.

Site 1: Manufacture and Supply of High Speed Steel Drills, Toolbi Endmills, Reamers and Annular Cutter.

Site 2: Manufacture and Supply of Saws Such As Power Hacksaws, Metal Cutting Bandsaws And Bi Metal Bandsaws

Site 3: Manufacture and Supply of Bi Metal Bandsaws

Proof has been furnished by means of an audit that the requirements of ISO 9001:2015 are met.

The due date for all future audits is 12 - 12 (dd.mm) The certificate is valid from 2019-02-08 until 2021-01-05.

Validity:



It is our policy to Provide quality products and support that consistently satisfy customer requirements And

Achieve a preferred status in the market through continuous improvement and innovation.

To achieve this, we shall consistently comply with and improve our Quality Management System.







ABOUT US

Miranda Tools Pvt. Ltd. was established in 1945 and is a part of Ashok Piramal Group, A business conglomerate with business interest in Textiles, Real Estate, Renewable & Energy.

The company manufactures and supplies products such as HSS Tool bits, Hand Hacksaws, Power saws, Metal Cutting Band saw Blades, Bi-Metal Bandsaw Blades, HSS Taps, End mills, Reamers, Annular Cutters (HSS & TCT), Tungsten Carbide Rotary Burrs, Solid Carbide Drills & End mills, Carbide brazed tools and Low Alloy blades.

It is equipped with state of the art technology for producing precision cutting tools confirming to IS, BS, DIN, JIS & ISO standards

Miranda Tools was the first Indian company manufacturing high speed steel tools to have been awarded the ISO 9002:1994 certificate by BVQI in August 1994. The company is now certified ISO 9001:2015 by TUVRheinland.

In 2005, Miranda Tools entered into a joint venture for manufacturing HSS Taps with M/s French Engineering Works Pty Ltd (FEW), South Africa. This has been instrumental in growing the footprint of our engineering products business globally. Currently Miranda Tools owns 100% of this venture. These Taps are manufactured confirming to IS, BS, DIN, JIS, & ISO standards.

CUTTING TOOLS PLATFORM WITH DIFFERENTIATED ATTRIBUTES

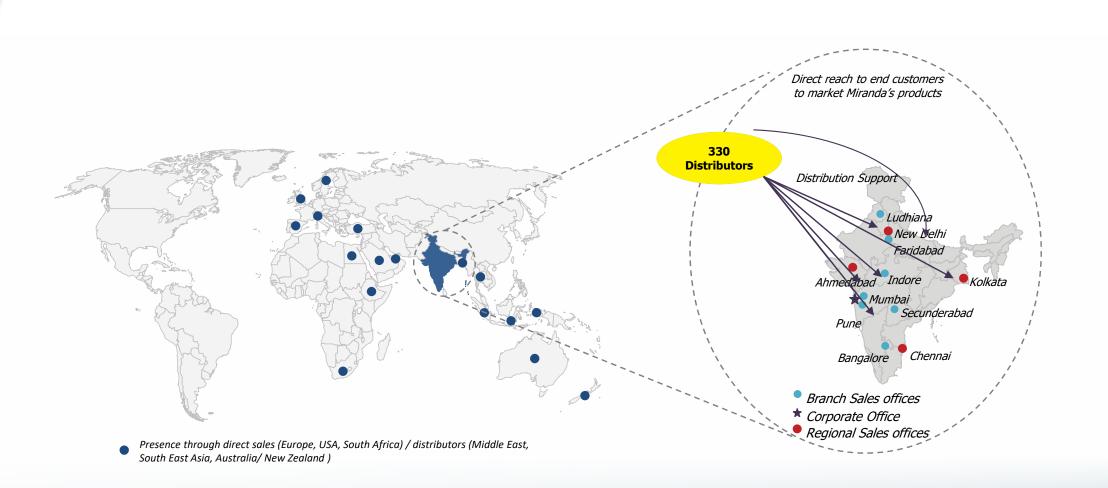


VISION

Touching the lives of at least one in five people on the Globe, Thereby Creating enormous value for all our Stakeholders



WIDE-SPREAD DISTRIBUTION NETWORK IN INDIA AND GLOBAL MARKETS







STRATEGICALLY LOCATED MANUFACTURING FACILITIES WITH GOOD CONNECTIVITY TO INDUSTRIAL HUBS AND SEAPORT / AIRPORTS



Drills

Tool bits

Endmills

Reamers



Hacksaw Blades (HSS & Bimetal)

Power Hacksaw Blades (HSS & Bimetal)

Carbon Steel Bandsaw Blades

Bimetal Band Saw Blades



Taps















DRILLING TOOLS

HSS JOBBER DRILLS & HSS STUB DRILLS

TYPE "N" / "S"

SURFACE TREATMENT

Bright, Steam Oxide & Gold Oxide (Amber Finish) (TiN, TiCN, TiAIN coating available)





Split Point Geometry Also Available

	Jobber Standard Series	Jobber High Helix Series	Jobber Low Helix Series	Stub Standard Series
Size Range (MM)	1mm – 14mm	3mm – 14mm	3mm – 7mm	3mm – 14mm
Size Range (Inch)	3/64" - 35/64"	1/8" – 35/64"	1/8" – 9/32"	5/64" – 35/64"
Helix Angle	25° - 30°	34° - 40°	17° - 23°	25° - 30°
Point Angle	118°	118° / 135°	90° / 118°	118°
Drilling Length	5D			3D
Material	M2, M35 & M42			M2 & M35
Standard	DIN 338 / BS 328 Part 1			DIN 1897 / BS 328 Part 1

SUITABLE FOR

Steel | Stainless Steel | Cast Iron | Brass | Aluminum | Non Ferrous Metal

HSS JOBBER DRILLS (WIRE GAUGE & LETTER GAUGE)

TYPE SURFACE TREATMENT

"N" / "S" Bright, Steam Oxide & Gold Oxide (Amber Finish)

(TiN, TiCN, TiAIN coating available)



Split Point Geometry Also Available

	Jobber Standard Series	Jobber High Helix Series	Jobber Low Helix Series
Size Range (Wire Gauge)	WG 60 – WG 01	WG 31 – WG 01	WG 31 – WG
Size Range (Letter Gauge	LG A – LG Z	LG A – LG Z	LG A – LG I
Helix Angle	25° - 30°	34° - 40°	17° - 23°
Point Angle	118°	118° / 135°	90° / 118°
Drilling Length	5D		
Material	M2 & M35		
Standard	DIN 338 / BS 328 Part 1		

SUITABLE FOR





DRILLING TOOLS

SUPER JOBBER DRILLS & HSSE STUB DRILLS

TYPE "C"

SURFACE TREATMENT

Bright, Steam Oxide & Gold Oxide (Amber Finish) (TiN, TiCN, TiAIN coating available)



Split Point Geometry Also Available

	Super Jobber Drill Standard Series	HSSE Stub Drill - Standard Series	
Size Range (MM)	1mm – 16mm	3mm – 16mm	
Size Range (Inch)	5/64" – 35/64"	5/64" – 5/8"	
Helix Angle	32° - 40°	25° - 30°	
Point Angle	130° / 135°	118° / 135°	
Drilling Length	5D 3D		
Material	M35		
Standard	BS 328 Part 1		

SUITABLE FOR

Steel | Stainless Steel | Cast Iron | Brass | Aluminum | Non Ferrous Metal

HSS PARABOLIC FLUTE JOBBER DRILLS

TYPE	SURFACE TREATMENT	
"W"	Bright Finish (TiN, TiCN, TiAIN coating available)	



Split Point Geometry Also Available

	Parabolic Flute Jobber Drill – Standard Series
Size Range (MM)	3mm – 14mm
Size Range (Inch) 1/8" – 35/64"	
Helix Angle	34° - 40°
Point Angle	135°
Drilling Length	5D
Material	M35
Standard	BS 328 Part 1

SUITABLE FOR

Aluminum





DRILLING TOOLS

HSS LONG & EXTRA LONG SERIES DRILLS

TYPE "N"

SURFACE TREATMENT

Bright, Steam Oxide & Gold Oxide (Amber Finish) (TiN, TiCN, TiAIN coating available)



Split Point Geometry Also Available

	Long Series Drill – Standard Series	Extra Long Series Drill - Standard Series	
Size Range (MM)	1mm – 14mm	3mm – 14mm	
Size Range (Inch)	5/64" – 35/64" 3/32" – 35/64"		
Helix Angle	25° - 30°		
Point Angle	118° / 135°		
Material	M2 & M35	M35	
Standard	DIN 340 / BS 328 Part 1	DIN 1869 (Part 1, 2, 3) / BS 328 Part 1	

SUITABLE FOR

Steel | Stainless Steel | Cast Iron | Brass | Aluminum | Non Ferrous Metal

HSS JOBBER DRILL SET

TYPE "N" / "S"

SURFACE TREATMENT

Bright, Steam Oxide & Gold Oxide (Amber Finish) and Black & Gold (TiN, TiCN, TiAIN coating available)









Split Point Geometry Also Available

	HSS Jobber Drill Set		
Drilling Length	5D		
Туре	N C		
Standard	DIN 338 / BS 328 Part 1		
Material	M2 M35		

Product Range

- DIA. 1.00mm to 13.00 mm (25 Pcs)
- DIA. 1/16" to 1/2" (15 PCS)
- DIA. 1.00mm to 10.00 mm (19 PCS)
- DIA. 1/16" to 3/8" (21 PCS)
- DIA. 1.00mm to 6.00 mm (51 PCS)
- DIA. 1/16" to 1/2" (29 PCS)
- DIA. 6.00mm to 10.00 mm (41 PCS)

SUITABLE FOR





DRILLING TOOLS

NC SPOTTING DRILLS

TYPE "N"

SURFACE TREATMENT

Bright Finish (TiN, TiCN, TiALN coating available)



	NC Spotting Drills
Size Range (MM)	3mm – 20mm
Size Range (Inch)	5/64" – 25/32
Material	M2 & M35 Grade
Standard	Miranda Standard
Helix Angle	20°
Point Angle	90° or 120°

HSS CENTRE DRILLS

TYPE"A" / "B" / "R"

SURFACE TREATMENT

Bright Finish (TiN, TiCN, TiAIN coating available)



	HSS Centre Drill – Type A	HSS Centre Drill – Type B	HSS Centre Drill – Type R
Size Range (MM)	1mm – 8mm	1mm – 6.30mm	1mm – 6.30mm
Size Range (Inch)	3/64" – 5/16"	3/64" – 1/4"	3/64" – 3/16"
Point Angle	120°		
Material	M2 & M35		
Standard	DIN 333 / BS 328 Part 1		

SUITABLE FOR





DRILLING TOOLS

HSS PARALLEL SHANK JOBBER SERIES -MIRANDA i-drill — FORGED FORM



TYPE SURFACE TREATMENT
"N" Bright & Steam Oxide Finish



	Miranda i – drill
Size Range (MM)	2mm – 10mm
Size Range (Inch)	5/64" – 25/64"
Point Angle	118°
Helix Angle	30°
Length	5D
Material	M2
Standard	Miranda Standard

SUITABLE FOR

Steel | Stainless Steel | Cast Iron | Brass | Aluminum | Non Ferrous Metal

HSS TAPER SHANK TWIST DRILLS – REGULAR, LONG & EXTRA LONG SERIES

TYPE	SURFACE TREATMENT
"N"	Bright & Steam Oxide Finish



	Taper Shank Drill – Regular Series	Taper Shank Drill – Long Series	Taper Shank Drill – Extra Long
Size Range (MM)	3mm – 76mm	5mm – 40mm	19mm – 50mm
Size Range (Inch)	1/8" – 2.31/32"	13/64" – 1./ 16"	3/4" – 1.15/16"
Helix Angle	30°		
Point Angle	118°		
Material	M2 & M35	M2	
Standard	DIN 345 / BS 328 Part 1	DIN 341	DIN 1870

SUITABLE FOR





DRILLING TOOLS

HSS REDUCED SHANK DRILLS - 1/2" SHANK - 12.70MM

TYPE SURFACE TREATMENT
"N" Steam Oxide Finish



	Reduced Shank Drill – Standard Series
Size Range (MM)	13mm – 25mm
Size Range (Inch)	1/2" – 1"
Helix Angle	30°
Point Angle	118°
Material	M2 & M35 Grade

MIRANDA SOLID CARBIDE DRILLS — MIRANDA MAXX



SURFACE TREATMENT

Bright Finish (TiN, TiCN, TiAIN coating available)





	Solid Carbide Jobber Drill – TiAIN Coated	High Performance Solid Carbide Drill – TiAlN Coated	High Performance Carbide Drill / Coolant Hole Carbide Drill								
Size Range (MM)	1mm – 16mm	3mm – 20mm	3mm - 20mm								
Helix Angle		30°									
Point Angle		140°									
Drilling Length	5	5D / 7D 3D / 5D / 7D									
Material		Carbide									
Standard		DIN 338									

SUITABLE FOR



THREADING TOOLS

HIGH PERFORMANCE PLATINUM CUT TAPS – MIRANDA EDGE TAPS



STANDARD

IS - 6175 / ISO 529 1993 DIN 371/376/374/ JIS / ANSI

SURFACE TREATMENT

Bright Finish (TiN & TiAIN coating available)

Also available in equivalent inch sizes



				High F	Performance Pla	atinum Cut Taps	s – Miranda Edo	ge Taps					
Туре		Straight Flute			Spiral Point			Spiral Flute		Straight Flute for Cast Iron			
Range		M3 – M20			M3 – M20			M3 – M20		M3 – M20			
Series	MC1	MC2	MC3	MA1	MA1 MA2 MA3		MB1	MB2 MB3		CI MC 1	CI MC 2	CI MC 3	
Treatment	Bright	TiN	TiAIN	Bright	TiN	TiAIN	Bright	TiN	TiAIN	Bright	TiN	TiAIN	
Thread Form					Metric / l	JNC / UNF / BSW / B	SF / NPT / BSP / NP	TF / BSPF					
Material	HSS - E HSS - E							HSS - E		HSS - E			





THREADING TOOLS

TURNING TOOLS

HSS TAPS

SURFACE TREATMENT

Surface Treatment : Bright and Steam Oxide (TiN, TiCN, TiAIN coating available)



	Hand & Short Machine Taps	Long Shank Machine Taps									
Size Range (MM)	M1 – M100	M3 – M24									
Tolerance	4H / 6	4H / 6H									
Form of Thread	Metric / UNC / UNF / BSW / E	BSP / NPT / BSPT / NPTF									
Material	M2, M35 8	& M42									
Standard	DIN 352 / ISO 529	9 1993 / ANSI									

HSS TOOL BITS







	Square Tool Bits	Round Tool Bit	Rectangle Tool Bit	Parting Tool Bit	HSS Engraving Tool Bit	HSS Tool Bit – Miranda Zedd	HSS Tool Bit – Miranda Zedd +	
Size Range (MM)	3mm –	25mm	Tickness: 6mm – 20mm Width: 12mm – 25mm	Tickness: 2.5mm – 6mm Width: 10mm – 25mm	1.5mm – 20mm	3mm – 25mm	5mm – 25mm	
Size Range (Inch)	1/8" = 1"		Tickness: 1/4" – 3/4" Width: 1/2" – 1"	Tickness: 3/32" – 1/4" Width: 3/8" – 1"	1/16" – 25/32"	1/8" – 1"	3/16" – 1"	
Tolerance	h13 /	h12	h9 / h8	h13 / h12	h8	h13	/h12	
Bevel Lead	15° .	/ 0°	0°	15° / 0°	0°	15° / 0°		
Material		M2, M35, M42 & T42 M2						
Standard				DIN 4964 / ISO 5421				

Product Range

- S100 M35(HSS WITH 5% COBALT) (63-66 HRc)
- S200 M42(HSS WITH 8% COBALT) (65-68 HRc)
- S400 T42(HSS WITH 10% COBALT) (64-67 HRc)
- \$400E M35(WITH CRYOGENIC ULTRA LOW HEAT TREATMENT 64-67 HRc)
- S500 T42 (WITH CRYOGENIC ULTRA LOW HEAT TREATMENT 64-67 HRc)

SUITABLE FOR

Turning I Boring I Parting I Threading I Grooving





MILLING TOOLS

HSS END MILLS

SURFACE TREATMENT

Bright & Steam Oxide Finish (TiN, TiCN, TiAIN coating available)



		4.00	東州道							
	HSS End Mill 2 FL – Short & Regu HSS Parallel Shank Parallel Shank Long	ular Series Slot Drills & HSS	HSS Parallel Shank Roughing End Mill	HSS End mill 2 FL – Ball nose – Short & Regular Series, Multi flute Centre Cutting Long & Regular Series						
Size Range (MM)	3mm – 5	50mm	6mm – 40mm	3mm – 30mm						
Size Range (Inch)	1/8" – 1	31/32"	15/64" – 1 37/64"	1/8" – 1 3/16						
Material	M2 & I	M42	M42	M2 & M42						
Standard	DIN 327 / BS 122	DIN 844 / BS 122	DIN 844 / BS 122	DIN 844/ BS 122						
Holding		Plain Shank , I	Flatted Shank, Threaded	Shank						
Helix Angle		30°								
No. of Flutes			2, 3, 4, 6, 8							

SUITABLE FOR

Steel | Stainless Steel | Cast Iron | Brass | Aluminum | Non Ferrous Metal

SOLID CARBIDE END MILLS – MIRANDA MAXX

MIRANDA Maxx

SURFACE TREATMENT

Bright Finish (TiN, TiCN, TiAIN coating available)





	100			190	112	1	
	Solid Carbide End Mill – 2/4 Flute – TiAIN Coated & Solid Carbide Ball Nose End Mill – TiAIN Coated	Solid Car- bide 2/4FL Long End Mill – TiAIN Coated	High Performance Carbide End Mill & Carbide Ball Nose End Mill	Carbide End Mill Standard & Long Series	Carbide Long Reach End Mill Standard & Ball Nose End Mill	Carbide RIB Cutter End Mill Standard & Ballnose	
Size Range (MM)	1mm – 20mm 3mm – 20mm		Standard - 1mm - 20mm Long - 4mm - 20mm	6mm - 25mm	2mm - 6mm	1mm - 2mm	
Size Range (Inch)	3/64" – 25/32"	1/8" – 25/32"	Standard - 3/64" - 25/35" Long - 5/32" - 25/35"		5/64" - 15/64"	3/64" - 5/64'	
Material			Carbide				
No. of Flutes		2/4		6/8	2/4	4	
For Material	HRc 30-	45	HRc 45-55 / HRc 45-60 / HRc 50-65	HRC 45-55			

SUITABLE FOR





ANNULAR CUTTER

HSS ANNULAR CUTTERS & TCT ANNULAR CUTTERS

SURFACE TREATMENT

Steam Oxide Finish











	Annular Cutter	TCT Annular Cutter
Size Range (MM)	12mm – 60mm	12mm – 100mm
Shank	Weldon /	Universal
Material	M2, M35 & M42	TCT
Depth of Cut	25mm, 35mm, 50mm	25mm, 35mm, 50mm, 75mm





REAMING TOOLS

HSS REAMERS

SURFACE TREATMENT

Sand Blasted Finish









	Taper Pin Hand Reamers	HSS Parallel Shank Hand Reamers	HSS Taper Shank Chucking Reamers	HSS Parallel Shank Chucking Reamers	HSS Taper Shank Machine Reamers								
Size Range (MM)	6mm – 50mm	3mm – 50mm	6mm – 50mm	4mm – 20mm	3mm – 50mm								
Size Range (Inch)	1/4" – 7/8"	1/8" – 1 31/32"	15/64" – 1 31/32"	5/32"- 25/32"	1/8" – 1 31/32"								
Helix Angle		7° - Left Hand Helix / Right Hand Cut											
Bevel Lead	-			45°									
Material			M2										
Standard	BS 328 Part 4	DIN 206 / BS 328 Part 1	DIN 208 / BS 328 Part 1	DIN 212 / BS 328 Part 1	ISO 236								

SUITABLE FOR







SAWING TOOLS

HSS & BI-METAL HAND HACKSAW & POWER HACKSAW BLADES



	Hand Hacksaw Blades	Power Hacksaw Blades				
Size Range (MM)	250mm & 300mm	300mm & 900mm				
Size Range (Inch)	10" & 12"	12" & 36"				
Width (MM)	12.50mm	25,32,40,50mm				
Width (Inch)	1/2" 1", 1.1/4", 1.1/2", 2"					
Thickness	0.63mm	1.25mm,1.60mm, 2.00mm, 2.50mm				
Gauge	23G	18G, 14G, 12G, 16G				
Teeth Per Inch	14, 18, 24, 32	4, 6, 10, 14				
Material	H	SS & Bi-Metal				
Standard	Mir	randa Standard				

SUITABLE FOR

Steel | Stainless Steel | Cast Iron | Brass | Aluminum | Non Ferrous Metal

METAL CUTTING BAND SAW BLADES



	Metal Cutting Band Saw Blades						
Size Range (MM)	30.50 Meters						
Size Range (Inch)	100 Ft.						
Material	Carbon Steel						
Standard	ISO – 4875 Part 2						
Width (MM)	6.5, 10, 13, 16, 19mm						
Width (Inch)	1/4", 3/8" ½", 5/8", ¾", 1"						
Thickness	0.60mm						
Teeth Per Inch	4, 6, 8, 10, 14, 18, 24						

SUITABLE FOR

Cast Iron | Brass | Aluminum | Non Ferrous Metal | Wood





SAWING TOOLS



BI-METAL BAND SAW BLADES

SURFACE TREATMENT

White & Black Color Finish







13 x 0.65 13 x 0.90 20 x 0.90 27 x 0.90 34 x 1.10 41 x 1.30 54 x 1.60 67 x 1.60

	Aluminum		Aluminum		Bronze			arbon eel	High C		Alloy	Steel	Bearin	ng Steel	Steel for	Moulds	Tool	Steel	Stainle	ss Steel		Based nless	Titia	nium														
	Profiles	Solids	Profiles	Solid																																		
Furia	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•																				
Alumina	•	•																																				
Katana								•	•	•	•	•	•	•	•	•	•	•	•	•																		
Spark	•	•	•	•	•	•	•	•	•	•	•	•	•	•																								
Titan									•	•	•	•	•	•	•	•	•	•	•	•	•	•																
Tuffcutt					•		•		•		•		•		•		•		•																			

Suitable for

MIRANDA SPORK





DEBURRING TOOLS

TUNGSTEN CARBIDE TIPPED TOOLS

TUNGSTEN CARBIDE ROTARY BURRS (TCRB)

SURFACE TREATMENT

Bright Finish (TiN, TiCN, TiAIN coating available)





Description of Shape	International Nomenclature
Conical	SM/SKM
Cylindrical Radius End	SC/WRC
Cylindrical	SA/ZYA
Flame	SH
Cone Radius	SL/KEL
Rim	RIM

Description of Shape	International Nomenclature
Oval	SE/TRE
Ball	SD/KUD
Tree Pointed End	SG/SPG
Tree Radius End	SF/RBF
Inverted Cone	SN
Set of 5 Pieces	-

SUITABLE FOR

Cast Iron | Mild Steel | Stainless Steel | Forged Steel | Titanium | Aluminum

TUNGSTEN CARBIDE TIPPED TOOLS (CTT)

MATERIAL

Carbide K10, K20, P10, P20, P30, P40

SURFACE TREATMENT

Silver Finish









Product Range & Details

- 110 Bar Turning Tool ISO 1
- 111 Cranked Turning & Facing Tool ISO 2
- 113 Straight Round Nose Turning Tool ISO 3
- 115 Cranked Round Nose Turning Tool
- 116 Bar Turning Tool
- 117 Cranked Knife Tool ISO 6
- 122 Straight Finishing Tool
- 123 Cranked Finishing Tool ISO 3
- 126 Cranked Facing Tool ISO 5
- 135-136 Boring and Facing Tool ISO 9

- 127 Recessing Tool ISO 4
- 130-131 Boring Tool ISO 8
- 165 Straight Threading Tool
- 166 Internal Threading Tool
- 140-142 Boring Tool
- 163 Straight Turning Tool & Grooving Tool
- 141 Boring Tool
- 150 Parting Tool ISO 7
- 156 Cranked internal Recessing Tool







MIRANDA TOOLS PVT. LTD.

An Ashok Piramal Group Company

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