

**S.C.A.M.I.®**

**ALVAN®**



**NEW**

SINTERED SOLUTION

**TSA**  
System



**HOLE FINISHING & FINE FINISHING**

**ALVAN® REAMERS  
&**

**S.C.A.M.I.® ROLLER BURNISHING TOOLS**

## INTEGRAL EXPANDING REAMERS STRAIGHT FLUTES



**DIAMETER RANGE:** 5,80÷32,10 mm

**SERIES:** Short / Long

**COOLANT:** Radial through tool coolant (through holes)  
Central through tool coolant (blind holes)  
Without through tool coolant (short holes)

**SHANK:** Cylindrical

**GEOMETRY:** Straight flutes

**TYPE:** Hard Metal / Cermet / PKD  
Coated: TiN / TiCN / TiAlN / TiAlOX

## INTEGRAL EXPANDING & FIXED REAMERS HELICAL FLUTES



**DIAMETER RANGE:** 5,80÷32,10 mm

**SERIES:** Short / Long

**COOLANT:** Radial through tool coolant (through holes)

**SHANK:** Cylindrical / Weldon

**GEOMETRY:** Left hand helical flutes

**TYPE:** Hard Metal / Cermet / PKD  
Coated: TiN / TiCN / TiAlN / TiAlOX

**EXPANDING REAMERS WITH CUTTING RING**



**DIAMETER RANGE:** 17,60÷200,59 mm (bigger diameter on request)

**SERIES:** Short / Long

**MANDREL FOR CUTTING RING WITH SHANK:** Cylindrical  
Modular composit

**GEOMETRY:** Straight flutes  
Left hand helical flutes

**COOLANT:** Radial through tool coolant (through holes)  
Central through tool coolant (blind holes)

**TYPE:** Hard Metal / Cermet / PKD  
Coated: TiN / TiCN / TiAlN / TINALOX

**EXPANDING & FIXED HEADS**



**DIAMETER RANGE:** 11,80÷80,60 mm

**SERIES:** Short / Long

**MANDREL FOR HEADS WITH SHANK:** Cylindrical  
Modular composit

**GEOMETRY:** Straight flutes  
Left or right hand helical flutes

**COOLANT:** Radial through tool coolant (through holes)  
Central through tool coolant (blind holes)

**TYPE:** Hard Metal / Cermet / PKD  
Coated: TiN / TiCN / TiAlN / TINALOX

# SINTERED SOLUTION - TSA System



**DIAMETER RANGE:** 11,80÷40,60 mm

**MANDREL FOR HEADS WITH SHANK:** Cylindrical  
Modular composit

**COOLANT:** Radial through tool coolant (through holes)  
Central through tool coolant (blind holes)

**SERIES:** Short / Long

**GEOMETRY:** Straight flutes  
Left or right hand helical flutes

**TYPE:** Hard Metal / Cermet  
Coated: TiN / TiCN / TiAlN / TiAlOX

## ROLLER BURNISHING TOOLS FOR FINE FINISHING



**SURFACE FINISH:** Ra 0,2 on high ductility materials  
Ra 0,4 on low ductility materials

**DIAMETER RANGE:** Internal burnishing tools for through holes  $\varnothing$  3,95÷300,90 (bigger diameter on request)  
Internal burnishing tools for blind holes  $\varnothing$  5,89÷300,90 (bigger diameter on request)  
External burnishing tools  $\varnothing$  2,74÷95,35 (bigger diameter on request)

**S.C.A.M.I. Snc**

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