



ISCAR SUMOCHAM drill body Weldon shank DCN A, 3×D, Size: 31



Order data

Order number	231705 31
GTIN	7291075291056
Item class	23K

Description

Version:

SUMOCHAM interchangeable head drilling system for **highly efficient drilling** with interchangeable drilling heads. **Unique clamping mechanism** for convenient fixing of the drilling head without additional clamping screw. **Versatile material use** due to comprehensive drilling head range. **Optimum tool stability** with twisted cooling channels for **high concentricity** and **lowest possible axial run-out** of the bore. **Other available versions:** drill body with round shank, drill body for machining chamfers on bores when a chamfer ring is attached, drill body especially for use in multi-spindle, sliding headstock and production lathes. **Tolerance class:** IT8-IT9, concentricity: 0.03 mm.

Application:

With drilling heads **No. 231740 – 231790.**

Supplied with:

Drill body incl. assembly key for drilling heads.

Note:

- **Always select a strategy with medium cutting speeds and high feed rates.**
- **No rapid traverse and no spindle anti-clockwise rotation during retraction.**
- **Drilling convex / concave surfaces: Radius of curvature $> 15 \times D_c$ required, reduce feed rate by up to 50%.**
- **For cross holes, the maximum permissible diameter is 1/4 of the nominal diameter D_c .**
- **Stack drilling requires stable conditions, reduce gaps between workpiece elements.**
- **Oblique drill entry and exit up to 7° inclination possible with reduced feed rate (approx. 20 - 30%).**
- **Designation convention: DCN [size]-[L_i]-[ØD_s]A-[L/D]**

Examples:

No. 231702 6 DCN 060-009-12A-1.5D

No. 231705 6 DCN 060-018-12A-3D

Technical description

Number of cutting edges Z	2
Reach L ₁	93 mm
Shank Ø D _s	32 mm
Series	SUMOCHAM
Shank length L _s	60 mm
Dia. range D _c	31 - 31.9 mm
Iscar item designation	DCN 310-093-32A-3D
Manufacturer's designation	DCN 310-093-32A-3D
Version	3×D
Shank	ISO 9766
Use for drilling	convex
Use for drilling	concave
Use for drilling	Cross drilling
Use for drilling	Drilling through a stack
Through-coolant	yes
Type of product	Insindexable Drill