



ISCAR SUMOCHAM drill body Weldon shank DCN A, 8xD, Size: 31



Order data

Order number	231715 31
GTIN	7291075291872
Item class	23K

Description

Version:

SUMOCHAM interchangeable head drilling system for highly efficient drilling with interchangeable cutting edges. Unique clamping mechanism for convenient fixing of the cutter insert without additional clamping screw. Versatile material use due to comprehensive cutter insert range. Optimum tool stability with simultaneously helical coolant channels for high concentricity and lowest possible axial run-out of the bore. Other available versions: base body with round shank, base body for machining chamfers on bores when a chamfer ring is attached, base 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. For drilling depths of 8xD and more, piloting of at least 1.5 × DC with same cutter insert required. Drilling convex / concave surfaces: Radius of curvature > 15 × DC required, reduce feed rate by up to 50%. For cross holes, the maximum permissible diameter is 1/4 of the nominal diameter DC. 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 8xD: DCN [size]-[L1]-[ØDS]A-[L/D] Designation convention 12xD: DCN [size]-[L1]-[ØDS]R-[L/D] Examples: No. 231715 6 DCN 060-048-12A-8D No. 231720 8 DCN 080-096-12R-12D

Technical description

Shank type	ISO 9766
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Overhang L_1	248 mm
Shank $\varnothing D_s$	32 mm
Dia. range D_c	31 - 31.9 mm
Series	SUMOCHAM
Flute length L_c	252.76 mm
Shank length L_s	60 mm
Number of cutting edges Z	2
Iscar item designation	DCN 310-248-32A-8D
Pilot drill required	yes, pilot drill
Manufacturer's designation	DCN 310-248-32A-8D
Version	8xD
Shank	ISO 9766
Use for drilling	concave
Use for drilling	convex
Use for drilling	Cross drilling
Use for drilling	Drilling through a stack
Through-coolant	yes
Type of product	Insdexable Drill