


ISCAR SUMOCHAM drilling head ICM k7, IC908, Ø DC: 18,5mm

Order data

Order number	231750 18,5
GTIN	7291075243802
Item class	23J

Description
Version:

Vee ground drilling head for precise positioning and stable seating. Angled, **radial stop surfaces** for a significant increase in clamping force due to the cutting forces acting during machining. For productive drilling with **high feed rates**.

ICM

Main area of application **ISO M, ISO S** (especially Inconel and titanium) as well as ISO N. Cutting edge with negative chamfer and special rounding – especially for stainless steel machining.

Note:

Cutting data applies for the base body 5×D. Drill pilot holes exclusively with drilling head of the same type – in particular for drilling heads FCP and QCP-2M. Please observe the application instructions for the base body. Cutting tolerance of the inserts: **k7** (positive toleranced cutting edge diameter).

Designation convention: [type] [Ø D_c]-[addition] [cutting material]

Examples:

No. 231740 6.5 ICP 065 IC908

No. 231742 18.5 ICP 185-2M IC908

No. 231745 18.5 HCP 185-IQ IC908 **The minimum order quantity corresponds to one pack unit quantity (VPE) or a multiple thereof.**

Technical description

Ø D	18.5 mm
Series	SUMOCHAM
for base body size	18
Feed f in stainless steel > 900 N/mm ²	0.21 mm/rev.
Iscar item designation	ICM 185 IC908
Feed f in Inconel®	0.16 mm/rev.
Geometry	ICM
Point angle	154 degrees
Manufacturer's designation	ICM 185 IC908
Grade	IC908
Tool material	Carbide
Type of product	Drilling head for boring

User data

	Suitability	V _c	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	155 m/min	N
Alu > 10% Si	suitable only under restricted conditions	120 m/min	N
Steel < 500 N/mm ²	suitable only under restricted conditions	100 m/min	P
Steel < 750 N/mm ²	suitable only under restricted conditions	90 m/min	P
Steel < 900 N/mm ²	suitable only under restricted conditions	100 m/min	P
Steel < 1100 N/mm ²	suitable only under restricted conditions	70 m/min	P
Steel < 1400 N/mm ²	suitable only under restricted conditions	55 m/min	P

TOOLOX 33	suitable only under restricted conditions	70 m/min	H
TOOLOX 44	suitable	60 m/min	H
INOX < 900 N/mm ²	suitable	50 m/min	M
INOX > 900 N/mm ²	suitable	50 m/min	M
Ti > 850 N/mm ²	suitable	35 m/min	S
Inconel	suitable	35 m/min	S
GG(G)	suitable only under restricted conditions	120 m/min	K
CuZn	suitable	155 m/min	N
Oil	suitable only under restricted conditions		
wet maximum	suitable		