

TOOLHOLDERS AND CHUCKS · INDEXABLE CUTTERS AND CHUCKS

RDHX copy milling modular heads

Copy milling modular heads from Ø10 to Ø42 mm, 2 to 5 cutting edges, M6-M16 connection, for RDHX round inserts.



KEY DATA

Product type	Toolholders and Chucks
Online page	innot-it.com/en/prodotto/testine-modulari-copiare-rd hx

How it works

Copy milling modular heads with RDHX round inserts from Ø5 to Ø12: the round cutting edge works in face milling, copy milling, ramping and contouring with the same head. Small diameters (from Ø10) and M6-M16 threaded connection to reach deep areas of moulds with maximum rigidity.

Operations

- Copy milling of moulds and 3D surfaces
- Roughing and semi-finishing of deep cavities
- Ramping and helical interpolation
- Hardened steels up to 65 HRC

How many inserts per diameter

Cutter Ø	RDHX 05	RDHX 07	RDHX 08	RDHX 10	RDHX 12
Ø10	2	-	-	-	-
Ø12	3	-	-	-	-
Ø15	4	3	-	-	-
Ø16	-	-	2	-	-
Ø20	-	4	3	2	-
Ø24	-	-	-	-	2
Ø25	-	5	4	3	-
Ø30	-	-	-	4	-
Ø32	-	-	5	4	-
Ø35	-	-	-	5	4
Ø42	-	-	-	5	5

Cutter Ø	RDHX 05	RDHX 07	RDHX 08	RDHX 10	RDHX 12
Ø50	-	-	-	-	5
Ø52	-	-	-	7	5
Ø66	-	-	-	-	6
Ø80	-	-	-	-	7

ISO dimensions of the heads

RDHX 05 insert (Ø5) - heads from Ø10 to Ø15 mm

Cutter Ø DCX	Inner Ø DC	Cutting edges Z	Connection	LF	APMX
Ø10	Ø5	2	M6	20	1.25
Ø12	Ø7	3	M6	20	1.25
Ø15	Ø10	4	M8	20	1.25

RDHX 07 insert (Ø7) - heads from Ø15 to Ø25 mm

Cutter Ø DCX	Inner Ø DC	Cutting edges Z	Connection	LF	APMX
Ø15	Ø8	2	M8	28	1.75
Ø15	Ø8	3	M8	28	1.75
Ø20	Ø13	4	M10	28	1.75
Ø25	Ø18	5	M12	28	1.75

RDHX 08 insert (Ø8) - heads from Ø16 to Ø32 mm

Cutter Ø DCX	Inner Ø DC	Cutting edges Z	Connection	LF	APMX
Ø16	Ø8	2	M8	28	2
Ø20	Ø12	3	M10	28	2
Ø25	Ø17	4	M12	32	2
Ø32	Ø24	5	M16	42	2

RDHX 10 insert (Ø10) - heads from Ø20 to Ø42 mm

Cutter Ø DCX	Inner Ø DC	Cutting edges Z	Connection	LF	APMX
Ø20	Ø10	2	M10	28	2.5
Ø25	Ø15	2	M12	32	2.5
Ø25	Ø15	3	M12	32	2.5
Ø30	Ø20	4	M16	42	2.5
Ø32	Ø22	4	M16	42	2.5
Ø35	Ø25	5	M16	42	2.5

Cutter Ø DCX	Inner Ø DC	Cutting edges Z	Connection	LF	APMX
Ø42	Ø32	4	M16	42	2.5
Ø42	Ø32	5	M16	42	2.5

RDHX 12 insert (Ø12) - heads from Ø24 to Ø42 mm

Cutter Ø DCX	Inner Ø DC	Cutting edges Z	Connection	LF	APMX
Ø24	Ø12	2	M12	32	3
Ø35	Ø23	3	M16	42	3
Ø35	Ø23	4	M16	42	3
Ø42	Ø30	4	M16	42	3
Ø42	Ø30	5	M16	42	3

Dimensions in mm according to ISO 13399. DCX = outer cutting diameter, DC = inner diameter (DCX – insert Ø), Z = number of inserts, LF = functional length from the contact face, APMX = maximum depth of cut. Internal coolant on all heads.

Compatible INNOT inserts

RDHX 05 · 07 · 08 · 10 · 12 – grades for steels, stainless steels, cast irons, superalloys and hardened steels up to 65 HRC.

How to choose

- Choose the **diameter** and the **number of cutting edges**: more inserts for maximum productivity, fewer inserts for light machines and long overhangs.
- Pair the head with an **extension** with the same connection (M6-M16) in steel or anti-vibration carbide.
- Already have a modular system from another brand? Send us the **code**: verifichiamo la compatibilità dell'attacco.

INNOT · CUTTING TOOLS FOR CNC MACHINE SHOPS

Quote within 30 minutes

Send us the code or the drawing: we reply with price and availability. Free test inserts on request, 24/48h shipping.

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Cutting data are indicative starting values: adjust them to machine, clamping, tool overhang and workpiece material. Data and images may change without notice.