NEW

Member IMC Group
Ingersoll
Cutting Tools

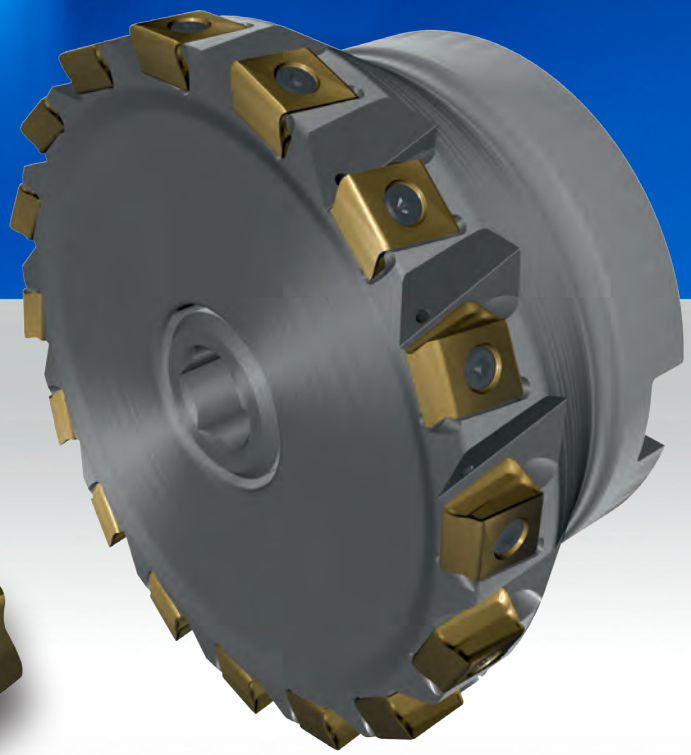
EVOTEC MAX™

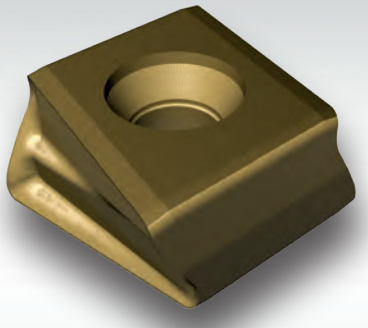
Shoulder Mill EJ_J

with 4-edged inserts

- positive insert seat (dovetail)
- high stock removal rates
- high process reliability
- exact 90° shoulders
- excellent surface qualities due to wiper geometry

NEW PRODUCT





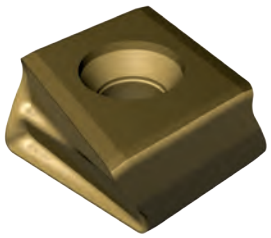
Product Overview

The shoulder mills of the EJ_J series presented here are an upgrade to the first EvoTec shoulder mill generation.

- The tool series covers the diameter range 50 - 125 mm.
- Two different insert spacings are available for long and short chip-producing tools.
- All shoulder mills of this series are equipped with internal coolant supply.

Indexable Insert:

The indexable insert type DGM324R3... developed for this tool series provides 4 clockwise-rotating cutting edges in a process-reliable, tangential mounting position.



Exact 90° shoulders up to a depth of cut of 12 mm are possible.
Corner radii R0.8; R1.6 and R3.2 are standard.

The minor cutting edge is designed as a wiper and produces excellent surface qualities. The dovetail rake face of the indexable insert minimizes the tensile load on the screw head and keeps the indexable insert securely in its pocket.

Application Features:

The new EvoTecMax shoulder mill series with 4-edged, tangential indexable insert in one direction of rotation offers a smooth, reliable cutting behavior with axially and radially positive cutting edge geometry.

Thanks to the wiper geometry, high-quality surfaces are achieved, even at high feed rates.

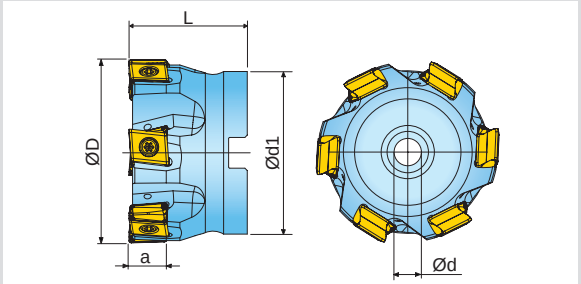
This new tool concept thus provides you with a high stock removal rate, both in the shoulder and face-milling area, as well as for multi-pass milling of deep shoulders.

Benefits

- **4-edged, tangential indexable insert**
- **Exact 90° shoulders**
- **ap max. 12 mm**
- **Wiper geometry**
- **Diameter range 50 - 125 mm**
- **Internal coolant supply**
- **Narrow and wide cutting edge spacing**
- **Exceptionally economic and reliable**

EVOTECMAX™ SHOULDER-TYPE FACE EJ_J

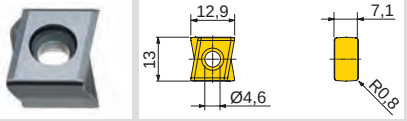
ADAPTION ACC. TO DIN 8030



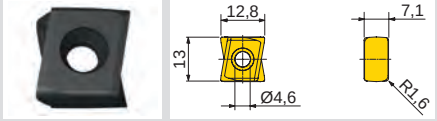
Designation	D	d	d1	L	κ	a	Z	IK	kg
EJ6J050R00	50	22	45	40	90	12	5	✓	0,38
EJ5J050R00	50	22	45	40	90	12	6	✓	0,39
EJ6J063R00	63	22	55	40	90	12	6	✓	0,63
EJ5J063R00[1)]	63	22	55	40	90	12	8	✓	0,65
EJ6J080R00	80	27	70	50	90	12	7	✓	1,35
EJ5J080R00[1)]	80	27	70	50	90	12	10	✓	1,37
EJ6J100R00	100	32	80	50	90	12	9	✓	1,97
EJ5J100R00[1)]	100	32	80	50	90	12	13	✓	1,99
EJ6J125R00	125	40	100	63	90	12	11	✓	3,97
EJ5J125R00[1)]	125	40	100	63	90	12	16	✓	4,00

[1)] Narrow spacing (only for short chip producing materials)

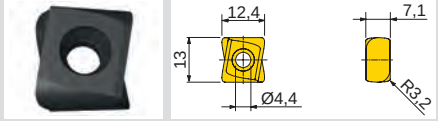
DGM324R300



DGM324R301



DGM324R302



Designation	fz(min/max)	Design	Grade	IN2505	IN4015	IN4030	IN4035	IN4040
DGM324R300	0,10/0,25	positive geometry R0,8						
DGM324R301	0,10/0,25	positive geometry R1,6						
DGM324R302	0,10/0,25	positive geometry R3,2						

● = P ● = M ● = K ● = N ● = S ○ = H

SPARE PARTS

SM40-143-H0 (4,5Nm) DS-T15S

① = Insert screw ② = Screw driver

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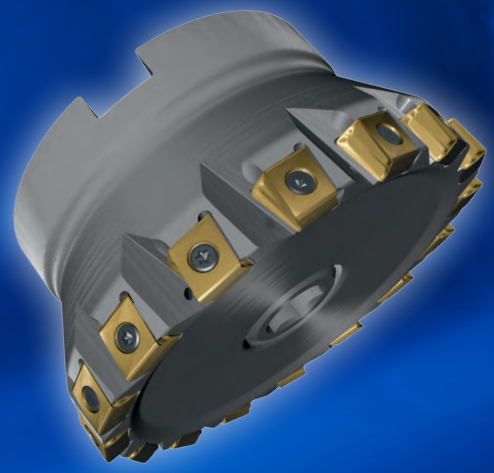

EVOTEC MAX™

NEW PRODUCT

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Printed version 5-2014
Order-No. 5866813