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Unparalleled performance

in deep hole drilling!



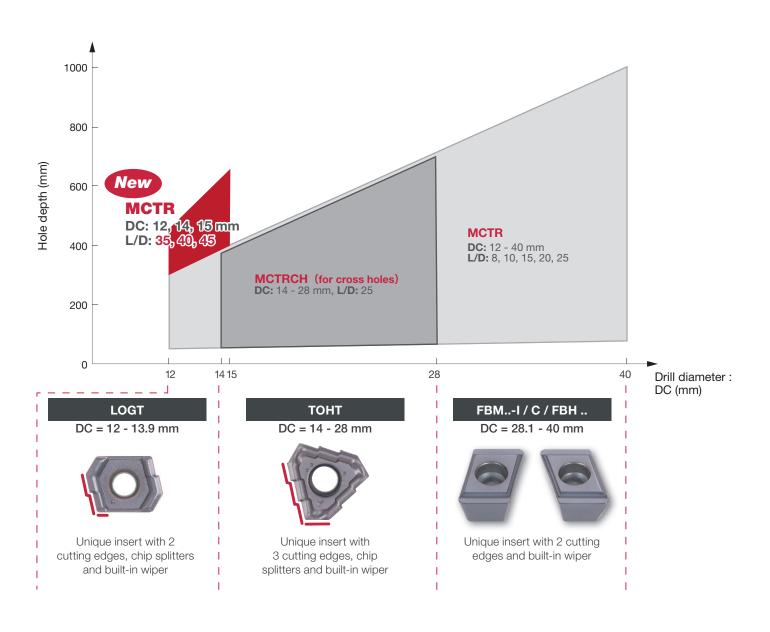






Longer indexable gun drills for small-diameter DeepTri-Drill applications on CNC machining centers

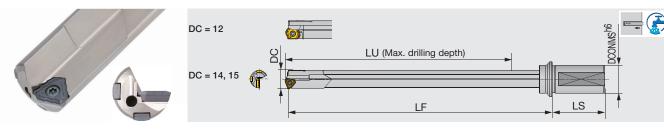
New MCTR is applied in range ø12 - ø15 with L/D = 35, 40, 45





MCTR L/D=35, 40, 45

Drill body for machining centers, L/D = 35, 40, 45, Tool diameter Ø12, 14, 15 mm



Metric	DC	L/D	DCONMS	LU	LS	LF	Insert	Guide pad
MCTR12.00XM20-35	12	35	20	456.8	50	485	LOGT06	GP04-055, GP04-16-055-DC
MCTR12.00XM20-40	12	40	20	521.8	50	550	LOGT06	GP04-055, GP04-16-055-DC
MCTR12.00XM20-45	12	45	20	586.8	50	615	LOGT06	GP04-055, GP04-16-055-DC
MCTR14.00XM25-35	14	35	25	527	56	561	TOHT07	GP05-060, GP05-18-060-DC
MCTR14.00XM25-40	14	40	25	602	56	636	TOHT07	GP05-060, GP05-18-060-DC
MCTR15.00XM25-35	15	35	25	562	56	598	TOHT07	GP05-060, GP05-18-060-DC
MCTR15.00XM25-40	15	40	25	642	56	678	TOHT07	GP05-060, GP05-18-060-DC

DC	Tool diameter tolerance	Applicable tolerance range of hole diameter				
12, 14, 15	0 / - 0.07	+ 0.05 / - 0.1				

SPARE PARTS					
Designation	Insert	t	Guide pad		
Designation	Screw	Wrench	Screw	Wrench	
MCTR12	SR10503833L040	T-7F	CSPB-2L043	IP-6F	
MCTR14MCTR15	SR14-560/S	T-8F	SR34-508	T-7F	

 $Recommended\ torque\ (N\cdot m)\ for\ clamping:\ CSPB-2L043=0.7,\ SR34-508=0.9,\ SR14-560/S=1.2,\ SR10503833L040=1.3$

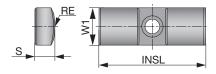
INSERTS





CARBIDE GUIDE PADS

GP04, 05



Metric	DC	F1122	F2122	FH3125 FH3135	W1	INSL	S	RE	Chamfer
GP04-055	12	•	A		4	16	2	5.5	Single
GP04-16-055-DC	12			• •	4	16	2	5.5	Double
GP05-060	14, 15	•	A		5	18	2.5	6	Single
GP05-18-060-DC	14, 15			• •	5	18	2.5	6	Double

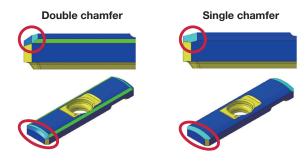
: Line-up ▲: To be discontinued Package quantity = 5 pcs.

Guide pad grade and the timing for replacement

Guide pads are subject to wear, like inserts

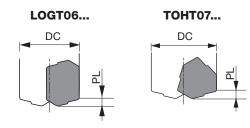
- The guide pad has two sides.
- Each guide pad can be used on two sides. When the first corner wears out to 70% of the width, reverse the guide pad to use the second side.
- Replace with a new guide pad when the second side wears out.





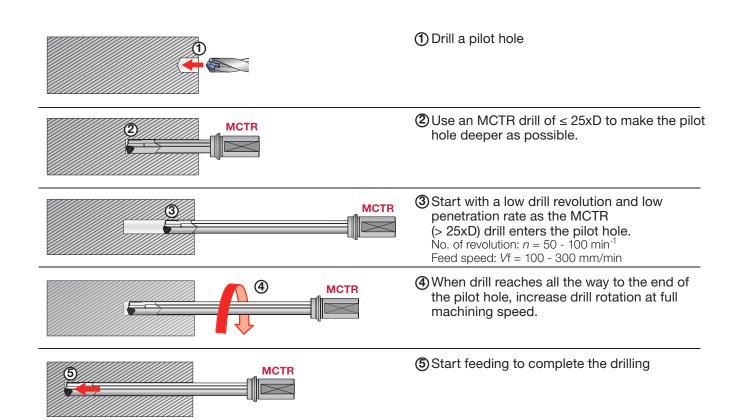
BLIND HOLE SHAPES OF THE HOLE BOTTOM





HOW TO USE A MCTR (> 25xD) DRILL ON A MACHINING CENTER OR HORIZONTAL BORING MACHINE

MCTR drill of over 25xD on a conventional machining center or horizontal boring machine with no drill guide or anti-whip bushings that support the tool along its entire length, observe the following instructions to prevent the drill from "whipping" during machining.



(Caution)

Do NOT skip Step ②. The gun drill will whip during machining, which may lead to drill breakage and a possible personal injury.

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