

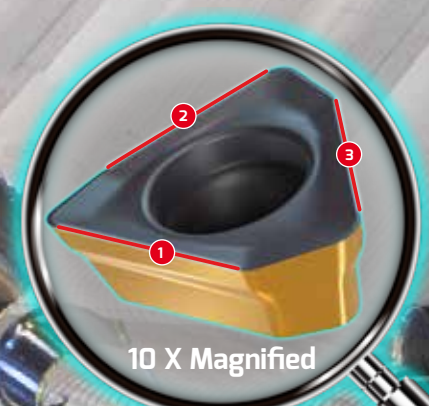
HELI3MILL

HM390 LINE

Miniature 10-16 mm Endmill Line Heli Master



Large Diameter Core



10 X Magnified
HM390 TPKT 05
Helical Cutting Edges



Miniature Insert for Small
Diameter Endmills
Depth of Cut up to 3.5 mm

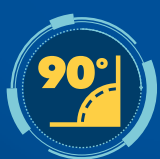
The **Smallest Helical Indexable** Multi-Toothed Endmill for **90° Shoulder Milling**



High Positive
Rake



Large
Diameter Core

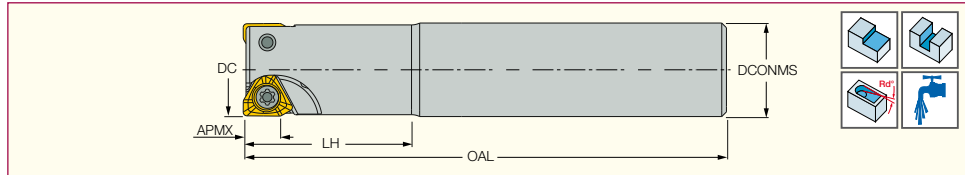


Performs
90° Shoulder



Cost Effective
Insert

HM390 ETP-05
90° Endmills Carrying HM390
TPKT 0502 Triangular Inserts
with 3 Helical Cutting Edges



Designation	DC	APMX	CICT ⁽¹⁾	OAL	LH	DCONMS	Shank ⁽²⁾	RMPX ⁽³⁾	kg
HM390 ETP D10-02-C10-05-C	10.00	3.50	2	70.00	18.0	10.00	C	2.0	0.03
HM390 ETP D12-03-C12-05-C	12.00	3.50	3	70.00	18.0	12.00	C	1.5	0.06
HM390 ETP D14-03-C14-05-C	14.00	3.50	3	80.00	20.0	14.00	C	1.5	0.08
HM390 ETP D16-04-C16-05-C	16.00	3.50	4	90.00	20.0	16.00	C	1.5	0.12

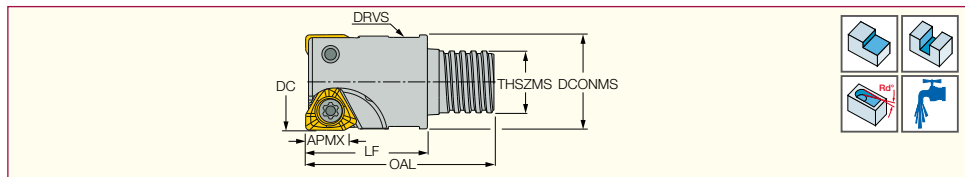
• Tightening torque 0.5 N*m

⁽¹⁾ Number of inserts

⁽²⁾ C-Cylindrical, W-Weldon

⁽³⁾ Ramping angle maximum

HM390 ETP-MM-05
90° Endmills with a MULTI-MASTER
Threaded Adaptation Carrying HM390
TPKT 0502... Triangular Inserts



Designation	DC	APMX	CICT ⁽¹⁾	LF	DCONMS	THSZMS	OAL	DRVS ⁽²⁾	RMPX ⁽³⁾
HM390 ETP D10-02-MMT06-05	10.00	3.50	2	15.00	9.60	T06	21.60	8.0	2.0
HM390 ETP D12-03-MMT08-05	12.00	3.50	3	16.00	11.60	T08	24.20	10.0	1.5
HM390 ETP D14-03-MMT08-05	14.00	3.50	3	16.00	13.60	T08	22.90	10.0	1.5
HM390 ETP D16-04-MMT10-05	16.00	3.50	4	18.00	15.60	T10	29.80	13.0	1.5

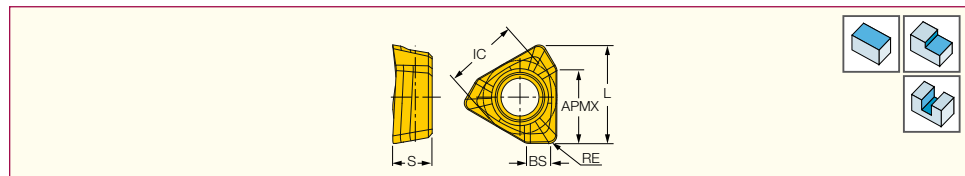
• Insert tightening torque 0.5 N*m

⁽¹⁾ Number of inserts

⁽²⁾ Key flat size

⁽³⁾ Ramping angle maximum

HM390 TPKT 0502
Triangular Inserts with 3 Helical Cutting
Edges for 90° Shoulder Accuracy



Designation	Dimensions						Tough ↔ Hard			Recommended Machining Data	
	L	IC	S	APMX	RE	BS	IC830	IC808	IC810	a _p (mm)	f _z (mm/t)
HM390 TPKT 0502PDR	5.26	3.94	2.10	3.50	0.40	1.00	•	•	•	0.50-3.50	0.05-0.10
HM390 TPKT 0502PDR	5.26	3.94	2.10	3.50	0.40	1.00	•	•	•	0.50-3.50	0.05-0.10