

Overview XPLT... XDLT... XDLX... XOLT...

Application:

1) Face milling



2) Angled milling



3) Helical plunging



4) Plunge milling



5) Profile milling



6) Pocket milling



7) Slot milling



Customer benefits:

- ▲ With feed rates up to 3 mm / tooth and closely pitched tools. very high chip removal rates are achieved.
- ▲ Maximal tool life, thanks to HyperCoat coating.
- ▲ Maximised economy, thanks to 4 cutting edges.
- ▲ Reduced machining noise and vibration. Light cutting geometries.
- ▲ Flexibility, thanks to coolant holes with minimum quantity lubrication design.

Available in 3 dimensions:



IC 07 IC 10 IC 13

Chipbreaker

HCM: Steel – Cast iron*

SCM: Stainless Steel – Titanium*

4 effective cutting edges:



Which chipbreaker to use?



HCM

Strong cutting edge for general steel applications and hard conditions milling.



SCM

Sharp cutting edge for general stainless steel applications and for finishing in steels.

Grades:

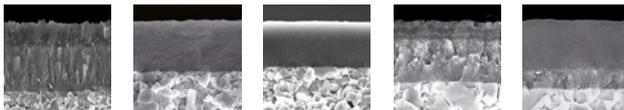
GTCP230 ■

GTPP235 ■

GTPM240 ■

GTC5235 ■

GTC5240 ■



Available range HFC07

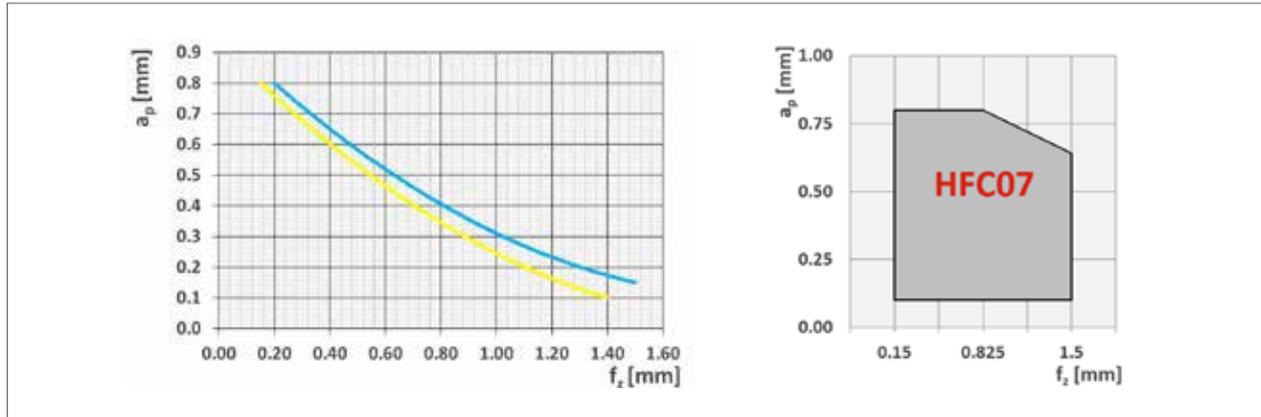
Insert	Designation	Chipbreaker	Material number	Available
	XPLT 070305SR-HCM GTCP230	...-HCM	MM12193481	●
	XPLT 070305SR-HCM GTPP235	...-HCM	MM12193482	●
	XPLT 070305ER-SCM GTPM240	...-SCM	MM14652649	●
	XPLT 070305ER-SCM GTC5235	...-SCM	MM11869773	●
	XPLT 070305ER-SCM GTC5240	...-SCM	MM11869775	●

Body	Designation	∅ Milling cutter	z	Material number	Available
	C-SSM-HFC07-16.R.02-A-50-200	16	2	MM11919179	●
	C-SSM-HFC07-20.R.03-A-50-200	20	3	MM11919180	●
	C-SSM-HFC07-25.R.04-A-50-200	25	4	MM11919182	●
	G-SSM-HFC07-16.R.02	16	2	MM11919183	●
	G-SSM-HFC07-20.R.03	20	3	MM11919184	●
	G-SSM-HFC07-25.R.04	25	4	MM11919185	●

Spare parts	Designation	Torque moment [Nm]	Material number	Available
	M2.5x5.0 – T08	1.2	MM76913	●

Cutting data HFC07

Starting parameters:



Grades and materials:

	Material group	Chipbreaker	Grade	v_c [m/min]	Cutting data f_z [mm]	a_p [mm]
P	Steel	HCM	GTCP230	220 – 60	0.2 – 1.5	0.8 – 0.15
			GTPP235			
			GTPM240			
M	Stainless steel	SCM	GTC5235	200 – 60	0.15 – 1.4	0.8 – 0.1
			GTC5240			

Available range HFC10 – XDLT

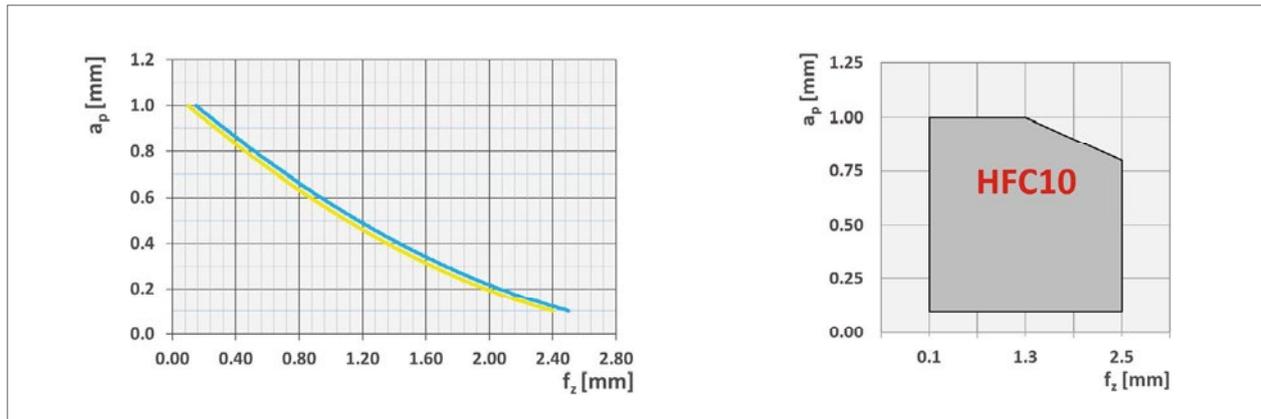
Insert	Designation	Chipbreaker	Material number	Available
	XDLT 10T308SR-HCM GTCPP230	...-HCM	MM12193485	●
	XDLT 10T308SR-HCM GTCPP235	...-HCM	MM12193487	●
	XDLT 10T308ER-SCM GTPM240	...-SCM	MM14652626	●
	XDLT 10T308ER-SCM GTC5235	...-SCM	MM11940752	●
	XDLT 10T308ER-SCM GTC5240	...-SCM	MM11940753	●

Body	Designation	∅ Milling cutter	z	Material number	Available
 	C-SSM-HFC10-25.R.03-A-50-125	25	3		○
	C-SSM-HFC10-25.R.03-A-50-225	25	3	MM11536252	●
	A-SSM-HFC10-40.R.04	40	4	MM11536253	●
	A-SSM-HFC10-50.R.05	50	5	MM11536255	●
	A-SSM-HFC10-63.R.06	63	6	MM11536256	●

Spare parts	Designation	Torque moment [Nm]	Material number	Available
	M3.5 x 7.2 – T15 (only for C-)	3.2	MM54976	●
	M3.5 x 8.6 – T15 (only for A-)	3.2	MM165795	●
	Power screw M8.0 x 30.0 (only for A-SSM-HFC-40.R.04)	15	MM11036880	●

Cutting data HFC10 – XDLT

Starting parameters:



Grades and materials:

	Material group	Chipbreaker	Grade	v_c [m/min]	Cutting data f_z [mm]	a_p [mm]
P	Steel	HCM	GTCP230	220 – 60	0.15 – 2.5	1 – 0.1
			GTPP235			
M	Stainless steel	SCM	GTPM240	200 – 60	0.1 – 2.4	1 – 0.1
			GTC5235			
			GTC5240			

Available range HFC10 – XDLX

Your advantages / benefits:

- ▲ Reduced machining noise and vibration, light cutting geometry
- ▲ Maximized economy thanks to 4 cutting edges
- ▲ Same milling body as previous range
- ▲ Increased productivity
- ▲ Tool life increased



-HCM

-SCM

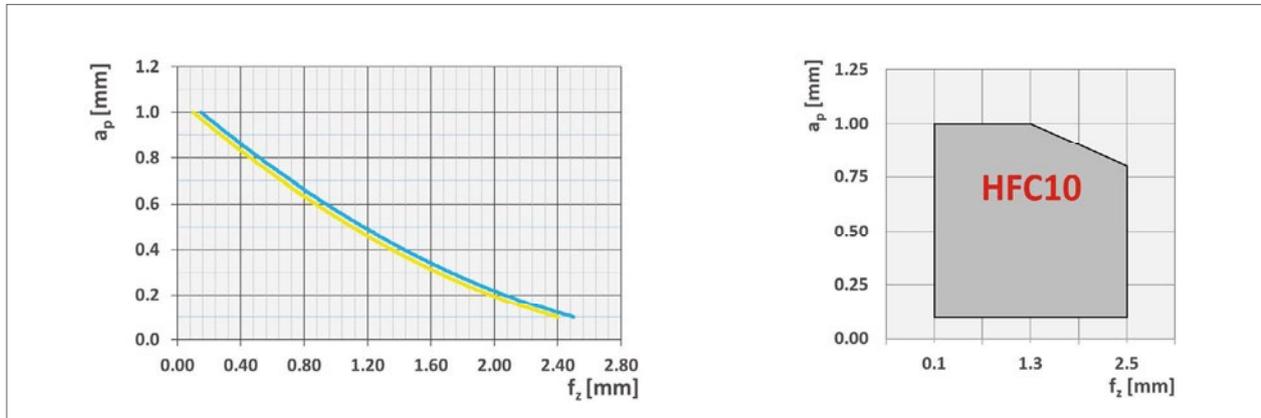
Insert	Designation	Chipbreaker	Material number	Available
	XDLX 10T308SR-HCM GTCP230	...-HCM	MM12308829	●
	XDLX 10T308SR-HCM GTPP235	...-HCM	MM12248334	●
	XDLX 10T308SR-SCM GTPM240	...-SCM	MM14652628	●
	XDLX 10T308SR-SCM GTC5235	...-SCM	MM12188504	●

Body	Designation	ø Milling cutter	z	Material number	Available
	C-SSM-HFC10-25.R.03-A-50-125	25	3		○
	C-SSM-HFC10-25.R.03-A-50-225	25	3	MM11536252	●
	A-SSM-HFC10-40.R.04	40	4	MM11536253	●
	A-SSM-HFC10-50.R.05	50	5	MM11536255	●
	A-SSM-HFC10-63.R.06	63	6	MM11536256	●

Spare parts	Designation	Torque moment [Nm]	Material number	Available
	M3.5 x 7.2 – T15 (only for C-)	3.2	MM54976	●
	M3.5 x 8.6 – T15 (only for A-)	3.2	MM165795	●
	Power screw M8.0 x 30.0 (only for A-SSM-HFC-40.R.04)	15	MM11036880	●

Cutting data HFC10 – XDLX

Starting Parameters:



Grades and Materials:

	Material group	Chipbreaker	Grade	v_c [m/min]	Cutting data f_z [mm]	a_p [mm]
P	Steel	HCM	GTCP230	220 – 60	0.15 – 2.5	1 – 0.1
			GTPP235			
M	Stainless steel	SCM	GTPM240	200 – 60	0.1 – 2.4	1 – 0.1
			GTC5235			
			GTC5240			

Available range HFC13

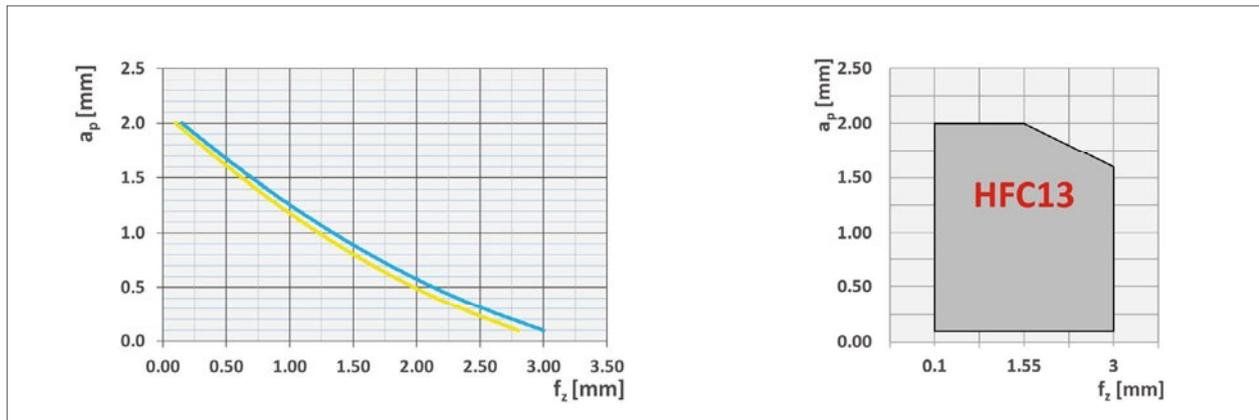
Insert	Designation	Chipbreaker	Material number	Available
	XOLT 130410SR-HCM GTCP230	...-HCM	MM12193499	●
	XOLT 130410SR-HCM GTPP235	...-HCM	MM12193508	●
	XOLT 130410ER-SCM GTPM240	...-SCM	MM14652630	●
	XOLT 130410ER-SCM GTC5235	...-SCM	MM11940763	●
	XOLT 130410ER-SCM GTC5240	...-SCM	MM11940765	●

Body	Designation	ø Milling cutter	z	Material number	Available
	C-SSM-HFC13-35.R.03-B32-63-144	35	3		○
	C-SSM-HFC13-35.R.03-A32-63-250	35	3	MM11536246	●
	G-SSM-HFC13-35.R.03	35	3		○
	A-SSM-HFC13-50.R.04	50	4	MM11536249	●
	A-SSM-HFC13-63.R.05	63	5	MM11536248	●
	A-SSM-HFC13-80.R.07	80	7	MM11536247	●

Spare parts	Designation	Torque moment [Nm]	Material number	Available
	M4.5 x 10.5 – T20	5	MM106022	●

Cutting data HFC13

Starting Parameters:



Grades and Materials:

	Material group	Chipbreaker	Grade	v_c [m/min]	Cutting data f_z [mm]	a_p [mm]
P	Steel	HCM	GTCP230	220 – 60	0.15 – 2.5	1 – 0.1
			GTPP235			
M	Stainless steel	SCM	GTPM240	200 – 60	0.1 – 2.4	1 – 0.1
			GTC5235			
			GTC5240			