

Overview SDMX

Application:

1) Face milling



2) Angled milling



3) Slot milling



4) Chamfering



5) Profile milling



Chipbreaker:

HCM: Steel – Cast iron*

SCM: Stainless Steel

4 effective cutting edges:



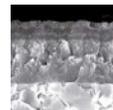
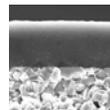
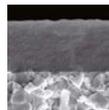
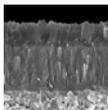
Grades:

GTCP230 ■

GTPP235 ■

GTPM240 ■

GTC5235 ■



Customer benefits:

- ▲ Indexing of the insert without complete removal of the clamping screw is possible!
- ▲ Direct insert indexing saves valuable machine time.



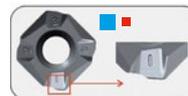
Available in 2 dimensions



IC 12

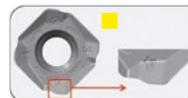
IC 16

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.

* secondary application

Available range SDMX11

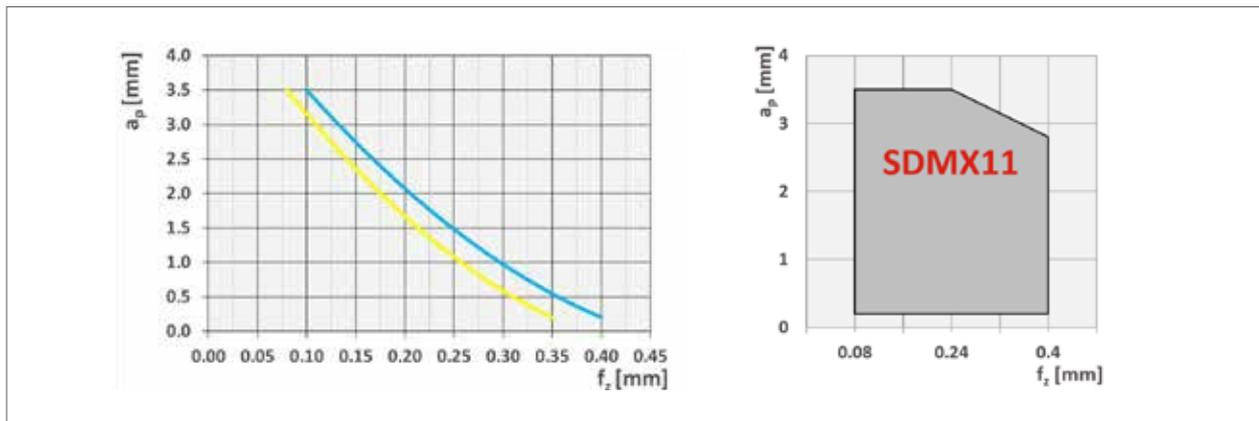
Insert	Designation	Chipbreaker	Material number	Available
	SDMX 1105AEER-HCM GTCP230	...-HCM	MM12193911	●
	SDMX 1105AEER-HCM GTPP235	...-HCM	MM12193912	●
	SDMX 1105AEER-SCM GTPM240	...-SCM	MM14652653	●
	SDMX 1105AEER-SCM GTC5235	...-SCM	MM12193916	●

Body	Designation	∅ Milling cutter	z	Material number	Available
	C-SSM-R12-25.R.02-A-30-86	25	2	MM1720305	●
	C-SSM-R12-25.R.02-A-60-116	25	2	MM11720307	●
	C-SSM-R12-32.R.03-A-40-100	32	3	MM11720308	●
	C-SSM-R12-32.R.03-A-70-130	32	3	MM11720310	●
	G-SSM-R12-25.R.02	25	2	MM12156946	●
	G-SSM-R12-35.R.03	35	3	MM14653989	●
	A-SSM-R12-40.R.04	40	4	MM11596003	●
	A-SSM-R12-42.R.04	42	4	MM14653984	●
	A-SSM-R12-50.R.05	50	5	MM11667287	●
	A-SSM-R12-52.R.05	52	5	MM4427687	●
	A-SSM-R12-63.R.06	63	6	MM11667291	●
	A-SSM-R12-66.R.06	66	6	MM14653987	●
	A-SSM-R12-80.R.08	80	8	MM11707446	●
	A-SSM-R12-100.R.10	100	10	MM11707445	●

Spare parts	Designation	Torque moment [Nm]	Material number	Available
	M4.0 x 8.5 – T15 (only for C- and G-)	5	MM11037484	●
	M4.0 x 11.0 – T15+ (only for A-)	5	MM1345432	●
	Power screw M8.0 x 30.0 (for A-SSM-R12-40.R.04 and for A-SSM-R12-42.R.04)	15	MM11036880	●

Cutting data SDMX11

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 GTPP235	220 – 60	0.1 – 0.4	3.5 – 0.2
M	Stainless steel	SCM	GTPM240 GTC5235	200 – 60	0.08 – 0.35	3.5 – 0.2

Available range SDMX15

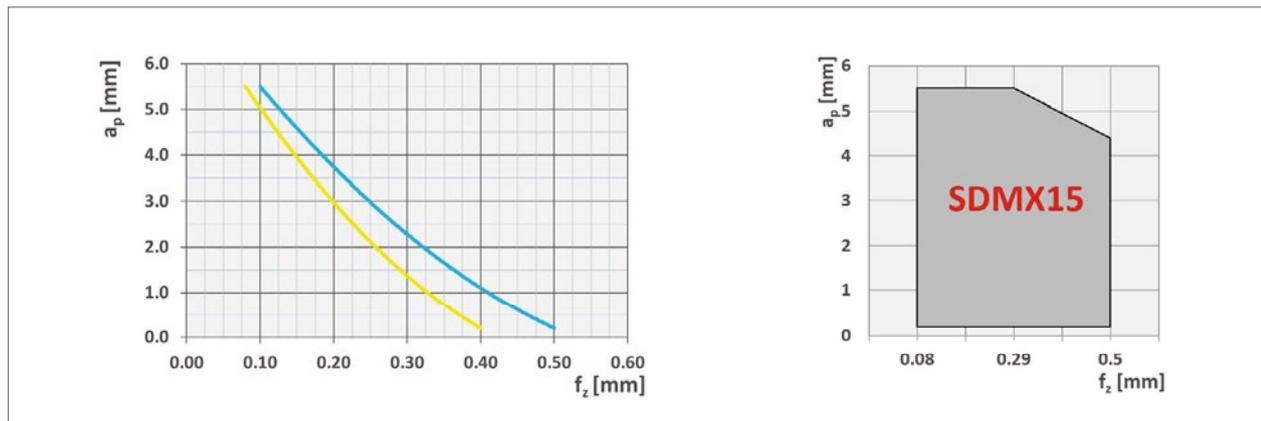
Insert	Designation	Chipbreaker	Material number	Available
	SDMX 1506AEER-HCM GTCP230	...-HCM	MM12193917	●
	SDMX 1506AEER-HCM GTPP235	...-HCM	MM12212274	●
	SDMX 1506AEER-SCM GTPM240	...-SCM	MM14652655	●
	SDMX 1506AEER-SCM GTC5235	...-SCM	MM12212268	●

Body	Designation	∅ Milling cutter	z	Material number	Available
	A-SSM-R16-50.R.03	50	3	MM11739864	●
	A-SSM-R16-52.R.04	52	4	MM14653992	●
	A-SSM-R16-63.R.05	63	5	MM11739862	●
	A-SSM-R16-66.R.05	66	5	MM14653995	●
	A-SSM-R16-80.R.06	80	6	MM11739860	●
	A-SSM-R16-100.R.07	100	7	MM11739857	●
	A-SSM-R16-125.R.08	125	8	MM11739853	●

Spare parts	Designation	Torque moment [Nm]	Material number	Available
	M4.5 x 13.0 – T20+	5	MM1345431	●
	Power screw M10.0 x 31.0 (for A-SSM-R16-50.R.03 and for A-SSM-R16-52.R.04)	20	MM11040298	●

Cutting data SDMX15

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 GTPP235	220 – 60	0.1 – 0.5	5.5 – 0.2
M	Stainless steel	SCM	GTPM240 GTC5235	200 – 60	0.08 – 0.4	5.5 – 0.2



Overview RPMX-MF

Application:

- 1) Face milling 
- 2) Angled milling 
- 3) Slot milling 
- 4) Chamfering 
- 5) Profile milling 

Chipbreaker:

HCM: Steel – Cast iron*

SCM: Stainless Steel

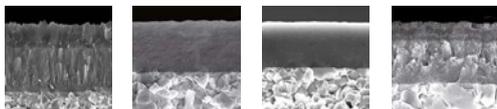
Indexing 4 / Master finish

4 cutting edges Master Finish for a best finishing.



Grades:

GTCP230 ■ GTPP235 ■ GTPM240 ■ GTC5235 ■



* secondary application

Customer benefits:

- ▲ Indexing of the insert without complete removal of the clamping screw is possible!
- ▲ Direct insert indexing saves valuable machine time.



Available in 2 dimensions:

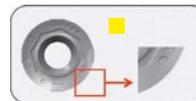


Which chipbreaker to use?



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.

Available range R...X12-MF

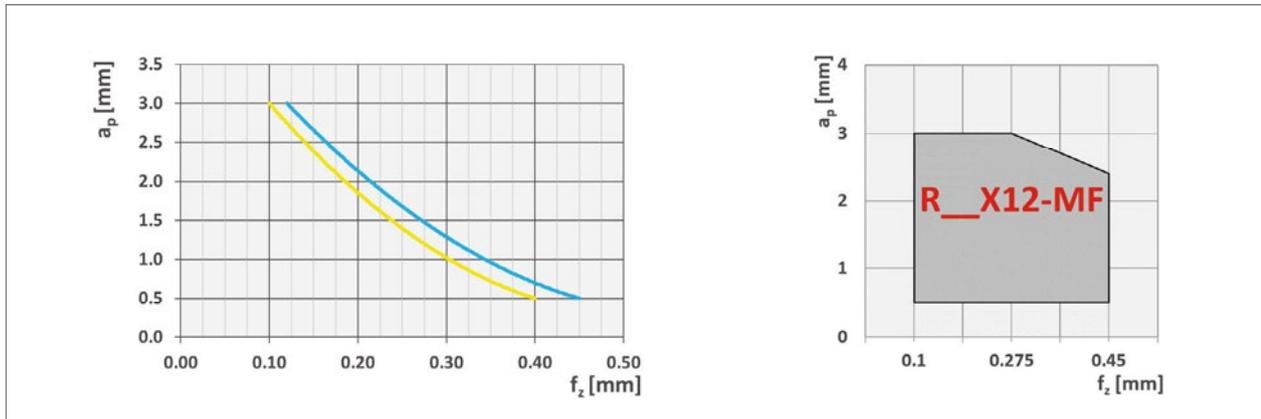
Insert	Designation	Chipbreaker	Material number	Available
	RPMX 1204MO-MFHCM GTCP230	...-MFHCM	MM11988961	●
	RPMX 1204MO-MFHCM GTPP235	...-MFHCM	MM11988960	●
	RPMX 1204MO-MFSCM GTPM240	...-MFSCM	MM11988957	●
	RPMX 1204MO-MFSCM GTC5235	...-MFSCM	MM12212285	●

Body	Designation	∅ Milling cutter	z	Material number	Available
  	C-SSM-R12-25.R.02-A-30-86	25	2	MM11720305	●
	C-SSM-R12-25.R.02-A-60-116	25	2	MM11720307	●
	C-SSM-R12-32.R.03-A-40-100	32	3	MM11720308	●
	C-SSM-R12-32.R.03-A-70-130	32	3	MM11720310	●
	G-SSM-R12-25.R.02	25	2	MM12156946	●
	G-SSM-R12-35.R.03	35	3	MM14653989	●
	A-SSM-R12-40.R.04	40	4	MM11596003	●
	A-SSM-R12-42.R.04	42	4	MM14653984	●
	A-SSM-R12-50.R.05	50	5	MM11667287	●
	A-SSM-R12-52.R.05	52	5	MM14427687	●
	A-SSM-R12-63.R.06	63	6	MM11667291	●
	A-SSM-R12-66.R.06	66	6	MM14653987	●
A-SSM-R12-80.R.08	80	8	MM11707446	●	
A-SSM-R12-100.R.10	100	10	MM11707445	●	

Spare parts	Designation	Torque moment [Nm]	Material number	Available
	M4.0 x 8.5 – T15 (only for C- and G-)	5	MM11037484	●
	M4.0 x 11.0 – T15+ (only for A-)	5	MM1345432	●
	Power screw M8.0 x 30.0 (for A-SSM-R12-40.R.04 and for A-SSM-R12-42.R.04)	15	MM11036880	●

Cutting data R...X12-MF

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 GTPP235	220 – 60	0.12 – 0.45	3 – 0.5
M	Stainless steel	SCM	GTPM240 GTC5235	200 – 60	0.1 – 0.4	3 – 0.5



Recommended!

	\varnothing [mm]	a_p [mm]	$a_{p \max}$ [mm]
4 times	12	3.0	5.5
	16	4.0	7.5

Available range R...X16-MF

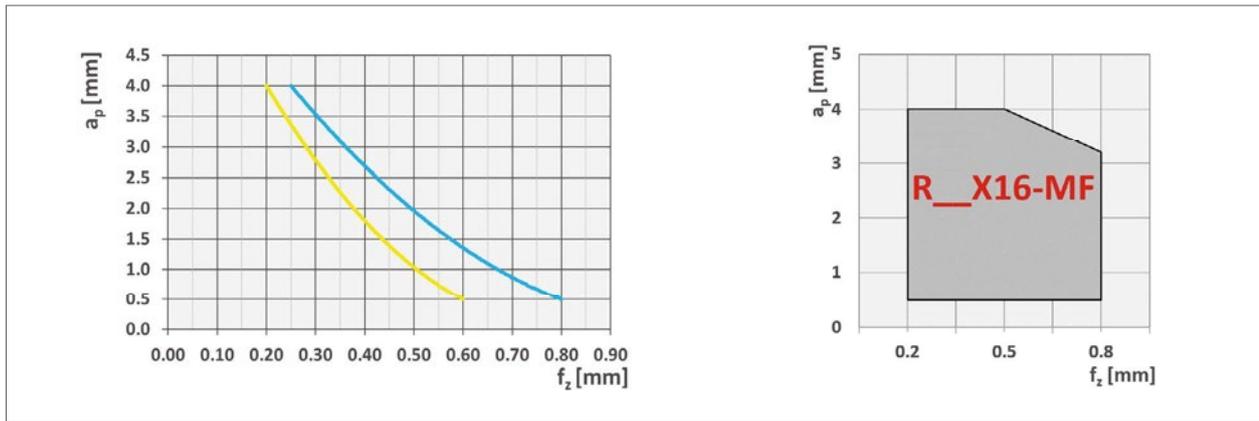
Insert	Designation	Chipbreaker	Material number	Available
	RPMX 1605MO-MFHCM GTCP230	...-MFHCM	MM11988954	●
	RPMX 1605MO-MFHCM GTPP235	...-MFHCM	MM11988952	●
	RPMX 1605MO-MFSCM GTPM240	...-MFSCM	MM11988950	●
	RPMX 1605MO-MFSCM GTC5235	...-MFSCM	MM12212286	●

Body	Designation	ø Milling cutter	z	Material number	Available
	A-SSM-R16-50.R.03	50	3	MM11739864	●
	A-SSM-R16-52.R.04	52	4	MM14653992	●
	A-SSM-R16-63.R.05	63	5	MM11739862	●
	A-SSM-R16-66.R.05	66	5	MM14653995	●
	A-SSM-R16-80.R.06	80	6	MM11739860	●
	A-SSM-R16-100.R.07	100	7	MM11739857	●
	A-SSM-R16-125.R.08	125	8	MM11739853	●

Spare parts	Designation	Torque moment [Nm]	Material number	Available
	M4.5 x 13.0 – T20+	5	MM1345431	●
	Power screw M10.0 x 31.0 (for A-SSM-R16-50.R.03 and for A-SSM-R16-52.R.04)	20	MM11040298	●

Cutting data R...X16-MF

Starting Parameters:



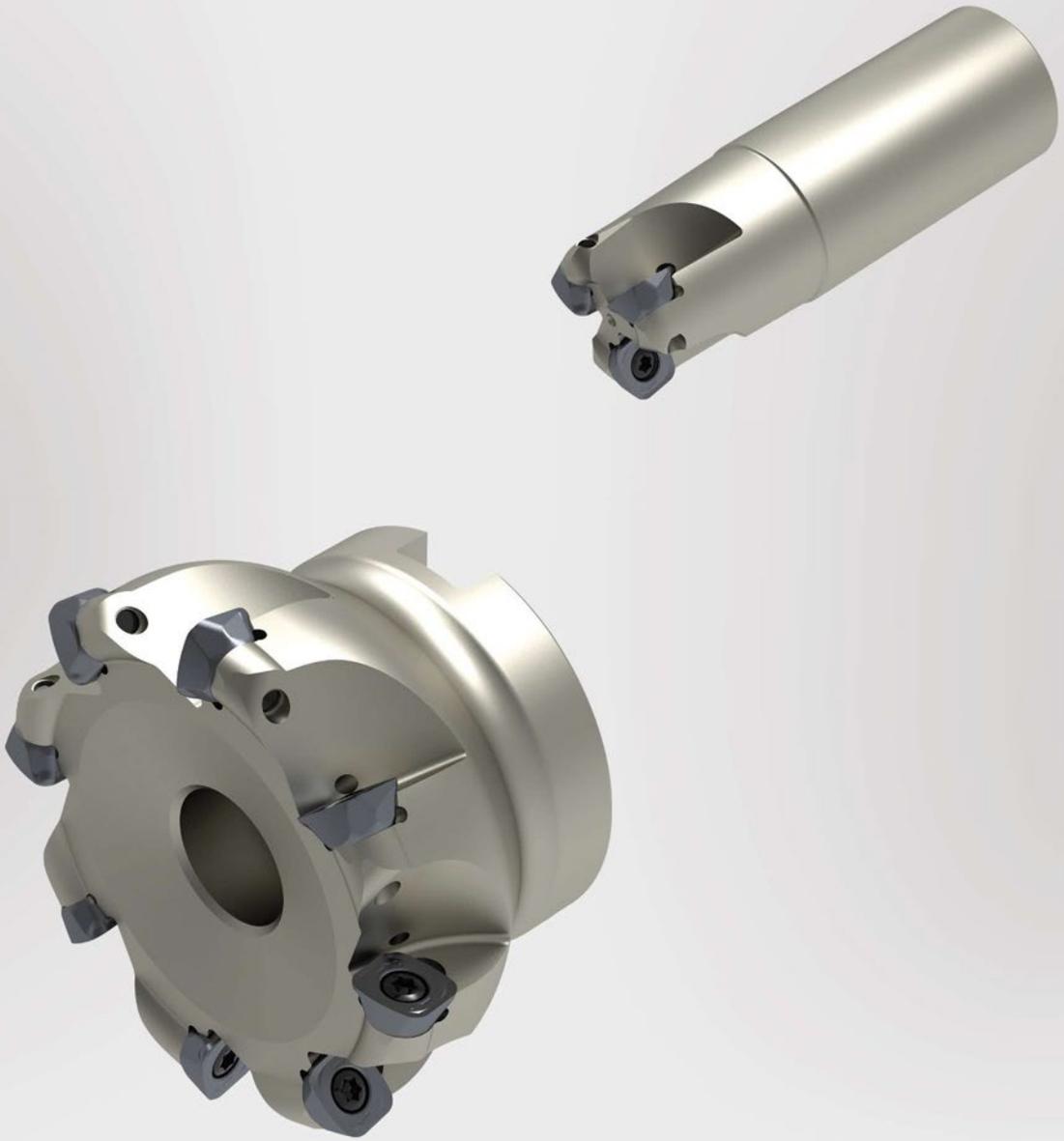
Grades and materials:

	Material group	Chipbreaker	Grade	v_c [m/min]	Cutting data f_z [mm]	a_p [mm]
P	Steel	HCM	GTCP230	220 – 60	0.25 – 0.8	4 – 0.5
			GTPP235			
M	Stainless steel	SCM	GTPM240	200 – 60	0.2 – 0.6	4 – 0.5
			GTC5235			



4 times

\varnothing [mm]	a_p [mm]	$a_{p\max}$ [mm]
12	3.0	5.5
16	4.0	7.5



Overview EOMT

Application:

1) Face milling



2) Angled milling



3) Slot milling



4) Chamfering



5) Profile milling:



Chipbreaker:

HCM: Steel – Cast iron*

SCM: Stainless Steel

Indexing 2 times:

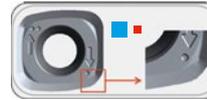


Customer benefits:

- ▲ Indexing of the insert without complete removal of the clamping screw is possible!
- ▲ Direct insert indexing saves valuable machine time.

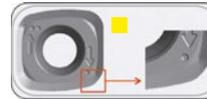


Which chipbreaker to use?



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:

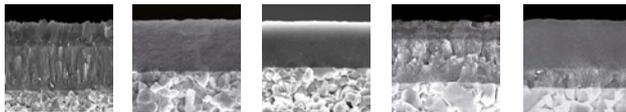
GTCP230 ■

GTPP235 ■

GTPM240 ■

GTC5235 ■

GTC5240 ■



Available range EOMT12

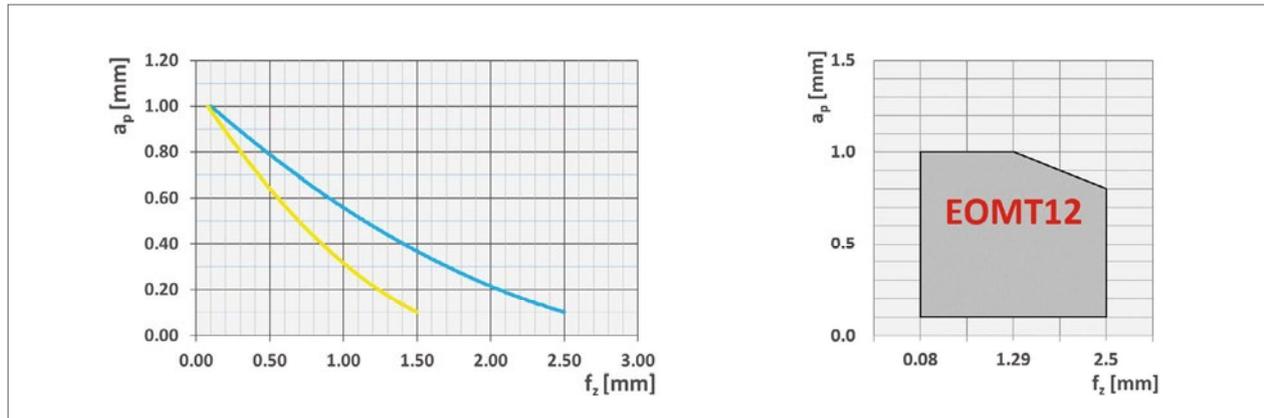
Insert	Designation	Chipbreaker	Material number	Available
	EOMT 120416-HCM GTCP230	...-HCM	MM12212261	●
	EOMT 120416-HCM GTPP235	...-HCM	MM12212263	●
	EOMT 120416-SCM GTPM240	...-SCM	MM14652658	●
	EOMT 120416-SCM GTC5235	...-SCM	MM12212295	●
	EOMT 120416-SCM GTC5240	...-SCM		○

Body	Designation	∅ Milling cutter	z	Material number	Available
	C-SSM-R12-25.R.02-A-30-86	25	2	MM11720305	●
	C-SSM-R12-25.R.02-A-60-116	25	2	MM11720307	●
	C-SSM-R12-32.R.03-A-40-100	32	3	MM11720308	●
	C-SSM-R12-32.R.03-A-70-130	32	3	MM11720310	●
	G-SSM-R12-25.R.02	25	2	MM12156946	●
	G-SSM-R12-35.R.03	35	3	MM14653989	●
	A-SSM-R12-40.R.04	40	4	MM11596003	●
	A-SSM-R12-42.R.04	42	4	MM14653984	●
	A-SSM-R12-50.R.05	50	5	MM11667287	●
	A-SSM-R12-52.R.05	52	5	MM14427687	●
	A-SSM-R12-63.R.06	63	6	MM11667291	●
	A-SSM-R12-66.R.06	66	6	MM14653987	●
	A-SSM-R12-80.R.08	80	8	MM11707446	●
A-SSM-R12-100.R.10	100	10	MM11707445	●	

Spare parts	Designation	Torque moment [Nm]	Material number	Available
	M4.0 x 8.5 – T15 (only for C- and G-)	5	MM11037484	●
	M4.0 x 11.0 – T15+ (only for A-)	5	MM1345432	●
	Power screw M8.0 x 30.0 (for A-SSM-R12-40.R.04 and for A-SSM-R12-42.R.04)	15	MM11036880	●

Cutting data EOMT12

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 GTPP235	220 – 60	0.1 – 2.5	1 – 0.1
M	Stainless steel	SCM	GTPM240 GTC5235	200 – 60	0.08 – 1.5	1 – 0.1