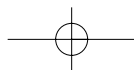


# Mef - Endless Mills





## Mef-Endless Mills



MEF - ENDLESS MILLS

MEF - ENDLESS MILLS sono le nuove frese Osawa ad alto rendimento, disegnate specificamente per la fresatura di acciaio inossidabile, acciaio, inconel e titanio.

MEF - ENDLESS MILLS sono costruite con metallo duro micrograna di altissima qualità che combinato al rivoluzionario rivestimento Endless, conferisce a questi utensili resistenza all'usura e tenacità sorprendenti.



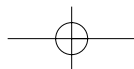
*MEF - ENDLESS MILLS are the new high performance Osawa end mills, specifically developed for stainless steel, steel, inconel and titanium. MEF - ENDLESS MILLS are made of top quality micrograin carbide. The combination with the revolutionary Endless coating, gives these tools an extraordinary wear resistance and toughness.*










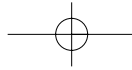
*MEF - ENDLESS MILLS sind die neue Osawa Hochleistungfräser, speziell für die Fräsung auf Rostfreienstahl, Stahl, Inconel und Titan entwickelt. MEF - ENDLESS MILLS werden aus Mikrokörnung Hartmetall der höchste Qualität hergestellt. Die Verbindung mit der Endless Beschichtung erzeugt überraschenden Verschleißfestigkeit und Härte.*



*MEF - ENDLESS MILLS, les nouvelles fraises Osawa à haut rendement, sont particulièrement conçus pour fraisage d'acier inoxydable, acier, inconel et titane. MEF - ENDLESS MILLS sont construites en carbure micrograin d'une très haute qualité, qui combiné au révolutionnaire revêtement Endless, confère à ces outils résistance à l'usure et tenacité surprenants.*



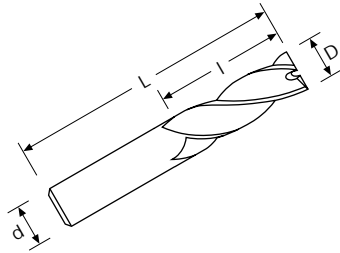
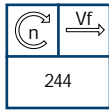
CODICE · ITEM NO. ARTIKEL NR. · RÉFÉRENCE	DESCRIZIONE · DESCRIPTION EZEICHUNG · DESCRIPTION	PAGINA · PAGE SEITE · PAGE	
MEFCS2	2F corta · short · kurz · courte	140	 <b>NEW</b>
MEFCSH3	3F 50° corta · short · kurz · courte	141	
MEFCS4	4F corta · short · kurz · courte	140	 <b>NEW</b>
MEF600	multi tagliente corta · multi flutes short Mehrschneiden kurz · multi dents courte	142	 <b>NEW</b>
MEF9000	HR sgrossare extra corta · roughing extra short HR Schrappfräser extra kurz · d'ébauche extra courte	143	 <b>NEW</b>
MEF901	HR sgrossare corta · roughing short HR Schrappfräser kurz · d'ébauche courte	144	 <b>NEW</b>
MEF902	HR sgrossare lunga · roughing long HR Schrappfräser lang · d'ébauche lounge	145	 <b>NEW</b>



# Mef-Endless Mills



🇮🇹 FRESE 2F, 4F CORTE 🇬🇧 2F, 4F SHORT END MILLS  
🇩🇪 2F, 4F KURZE FRÄSER 🇫🇷 FRAISES 2F, 4F COURTES

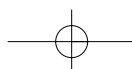


**ACCIAIO INOSSIDABILE**  
**STAINLESS STEEL**  
**ROSTFREIENSTAHL**  
**ACIER INOXYDABLE**

MEF - ENDLESS MILLS

CODICE / ITEM NO. / ARTIKEL NR. / RÉFÉRENCE				MEFCS2	MEFCS4
TIPO / TYPE / TYP / TYPE				EX	EX
NR.TAGLIENTI / FLUTES NO. / NUTENZAHL / NB.DE DENTS				2	4
ATTACCO / SHANK / SCHAFT / QUEUE				C	C
MATERIALE / MATERIAL / WERKSTOFF / MATIÈRE				HP CARBIDE	HP CARBIDE
RIVESTIMENTO / COATING / BESCHICHTUNG / REVÊTEMENT				ENDLESS	ENDLESS
NORMA / NORM / NORM / NORME				OSAWA	OSAWA
TOLLERANZA / TOLERANCE / TOLERANZ / TOLÉRANCE				e8	e8
ELICA / HELIX / SPIRAL / HÉLICE				35°	35°
D	d (h6)	l	L	Stock	Stock
MM. 1	4	2.5	40	●	
MM. 1	6	2.5	40	○	
MM. 1.5	4	4	40	●	
MM. 1.5	6	4	40	○	
MM. 2	4	6	40	●	●
MM. 2	6	6	40	○	○
MM. 2.5	4	8	40	●	●
MM. 2.5	6	8	40	○	○
MM. 3	6	8	45	●	●
MM. 3.5	6	10	45	○	○
MM. 4	6	11	45	●	●
MM. 5	6	13	50	●	●
MM. 6	6	13	50	●	●
MM. 6.5	8	16	60	○	○
MM. 7	8	16	60	●	●
MM. 8	8	19	60	●	●
MM. 8.5	10	19	70	○	○
MM. 9	10	19	70	●	●
MM.10	10	22	70	●	●
MM.11	12	22	75	●	●
MM.12	12	26	75	●	●
MM.14	16	26	85	●	●
MM.16	16	32	100	●	●
MM.18	16	32	100	○	○
MM.20	20	38	105	○	●
MM.22	20	38	105	○	○
MM.25	25	45	120	○	○

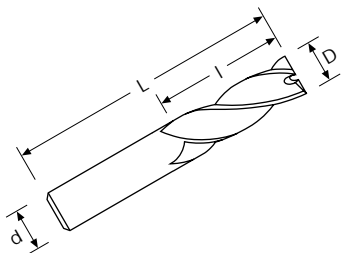
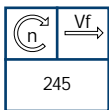
	Tol. μ				
Ø mm.	1-3	3.5-6	6.5-10	10.5-18	19-25
De8	-14/-28	-20/-38	-25/-47	-32/-59	-40/-73
d h6	0/-6	0/-8	0/-9	0/-11	0/-13





Mef-Endless Mills

🇮🇹 FRESE 3F 50°, CORTE 🇬🇧 3F 50°, SHORT END MILLS  
🇩🇪 3F 50°, KURZE FRÄSER 🇫🇷 FRAISES 3F 50°, COURTES



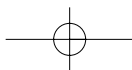
**ACCIAIO INOSSIDABILE**  
**STAINLESS STEEL**  
**ROSTFREIENSTAHL**  
**ACIER INOXYDABLE**

CODICE / ITEM NO. / ARTIKEL NR. / RÉFÉRENCE				MEFCSH3
TIPO / TYPE / TYP / TYPE				EX
NR. TAGLIENTI / FLUTES NO. / NUTENZAHL / NB. DE DENTS				3*
ATTACCO / SHANK / SCHAFT / QUEUE				C
MATERIALE / MATERIAL / WERKSTOFF / MATIÈRE				HP CARBIDE
RIVESTIMENTO / COATING / BESCHICHTUNG / REVÊTEMENT				ENDLESS
NORMA / NORM / NORM / NORME				OSAWA
TOLLERANZA / TOLERANCE / TOLERANZ / TOLÉRANCE				e8
ELICA / HELIX / SPIRAL / HÉLICE				50°
D	d (h6)	l	L	Stock
MM. 6	6	13	50	●
MM. 8	8	19	60	●
MM.10	10	22	70	●
MM.12	12	25	75	●
MM.14	14	26	83	●
MM.16	16	32	90	●
MM.18	18	32	90	●
MM.20 *	20	38	100	●
MM.25 *	25	45	120	○

\*Z = 4, CSH3 = CSH4

Ø mm.	Tol. µ				
	1-3	3.5-6	6.5-10	10.5-18	19-25
D e8	-14/-28	-20/-38	-25/-47	-32/-59	-40/-73
d h6	0/-6	0/-8	0/-9	0/-11	0/-13

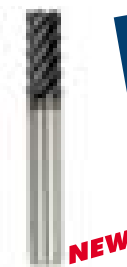
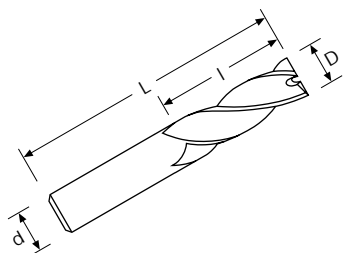
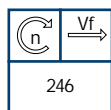
MEF - ENDLESS MILLS



## Mef-Endless Mills



FRESE MULTITAGLIANTE, CORTE 
 MULTI-FLUTES, SHORT END MILLS  
 KURZE MEHRSCHEIDENFRÄSER 
 FRAISES MULTI-DENTS, COURTES



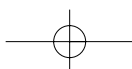
ACCIAIO INOSSIDABILE  
 STAINLESS STEEL  
 ROSTFREIENSTAHL  
 ACIER INOXYDABLE

CODICE / ITEM NO. / ARTIKEL NR. / RÉFÉRENCE				MEF600
TIPO / TYPE / TYP / TYPE				EX
NR.TAGLIANTI / FLUTES NO. / NUTENZAHL / NB.DE DENTS				6-8
ATTACCO / SHANK / SCHAFT / QUEUE				C
MATERIALE / MATERIAL / WERKSTOFF / MATIÈRE				HP CARBIDE
RIVESTIMENTO / COATING / BESCHICHTUNG / REVÊTEMENT				ENDLESS
NORMA / NORM / NORM / NORME				OSAWA
TOLLERANZA / TOLERANCE / TOLERANZ / TOLÉRANCE				e8
ELICA / HELIX / SPIRAL / HÉLICE				45°
D	d (h6)	l	L	Stock
MM. 6	6	13	57	●
MM. 7	8	16	63	●
MM. 8	8	19	63	●
MM. 9	10	19	72	●
MM.10	10	22	72	●
MM.12	12	26	83	●
MM.16	16	32	92	●
MM.18 *	18	32	92	○
MM.20 *	20	38	104	●
MM.25 *	25	44	104	○

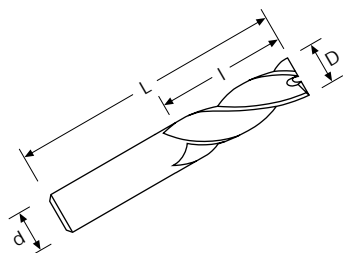
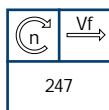
\*Z = 8

Ø mm.	Tol. µ				
	1-3	3.5-6	6.5-10	10.5-18	19-25
De8	-14/-28	-20/-38	-25/-47	-32/-59	-40/-73
d h6	0/-6	0/-8	0/-9	0/-11	0/-13

MEF - ENDLESS MILLS



 FRESE A SGROSSARE EXTRA CORTE 
  EXTRA SHORT ROUGHING END MILLS  
 EXTRA KURZE SCHRUPPFRÄSER 
  FRAISES D'ÉBAUCHE EXTRA COURTES

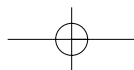


ACCIAIO INOSSIDABILE  
 STAINLESS STEEL  
 ROSTFREIENSTAHL  
 ACIER INOXYDABLE

CODICE / ITEM NO. / ARTIKEL NR. / RÉFÉRENCE				MEF900
TIPO / TYPE / TYP / TYPE				EX/HR
NR.TAGLIENTI / FLUTES NO. / NUTENZAHL / NB.DE DENTS				4-6*
ATTACCO / SHANK / SCHAFT / QUEUE				C
MATERIALE / MATERIAL / WERKSTOFF / MATIÈRE				HP CARBIDE
RIVESTIMENTO / COATING / BESCHICHTUNG / REVÊTEMENT				ENDLESS
NORMA / NORM / NORM / NORME				OSAWA
TOLLERANZA / TOLERANCE / TOLERANZ / TOLÉRANCE				h10
ELICA / HELIX / SPIRAL / HÉLICE				45°
D	d (h6)	l	L	Stock
MM. 6	6	7	54	●
MM. 8	8	9	58	●
MM.10	10	14	66	●
MM.12	12	16	73	●
MM.16	16	22	82	●
MM.20	20	26	92	●

Ø mm.	Tol. µ				
	1-3	3.5-6	6.5-10	10.5-18	19-25
Dh10	0/-40	0/-48	0/-58	0/-70	0/-84
d h6	0/-6	0/-8	0/-9	0/-11	0/-13

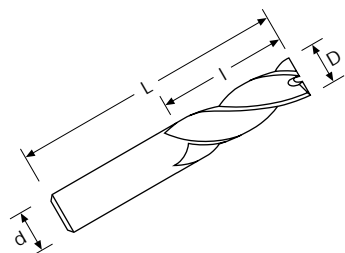
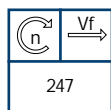
Ø mm.	6-12	16	20
*MEF900	Z = 4	Z = 5	Z = 6



## Mef - Endless Mills



FRESE A SGROSSARE CORTE SHORT ROUGHING END MILLS  
 KURZE SCHRUPPFÄSER FRAISES D' ÉBAUCHE COURTES



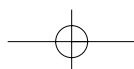
ACCIAIO INOSSIDABILE  
 STAINLESS STEEL  
 ROSTFREIENSTAHL  
 ACIER INOXYDABLE

CODICE / ITEM NO. / ARTIKEL NR. / RÉFÉRENCE				MEF901
TIPO / TYPE / TYP / TYPE				EX/HR
NR.TAGLIENTI / FLUTES NO. / NUTENZAHL / NB.DE DENTS				3-6*
ATTACCO / SHANK / SCHAFT / QUEUE				C
MATERIALE / MATERIAL / WERKSTOFF / MATIÈRE				MEF
RIVESTIMENTO / COATING / BESCHICHTUNG / REVÊTEMENT				HP CARBIDE
NORMA / NORM / NORM / NORME				OSAWA
TOLLERANZA / TOLERANCE / TOLERANZ / TOLÉRANCE				h10
ELICA / HELIX / SPIRAL / HÉLICE				45°
D	d (h6)	l	L	Stock
MM. 4	6	11	57	●
MM. 5	6	13	57	●
MM. 6	6	16	57	●
MM. 7	8	16	63	●
MM. 8	8	16	63	●
MM. 9	10	19	72	●
MM.10	10	22	72	●
MM.12	12	26	83	●
MM.14	14	26	83	●
MM.16	16	32	92	●
MM.20	20	38	104	●
MM.25	25	45	121	○

	Tol. μ				
Ø mm.	1-3	3.5-6	6.5-10	10.5-18	19-25
Dh10	0/-40	0/-48	0/-58	0/-70	0/-84
d h6	0/-6	0/-8	0/-9	0/-11	0/-13

Ø mm.	4	5-12	14-16	20-25
*MEF901	Z = 3	Z = 4	Z = 5	Z = 6

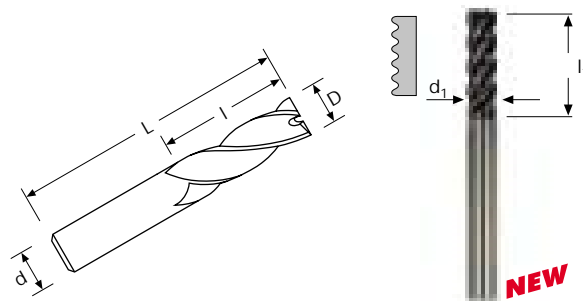
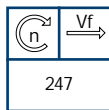
MEF - ENDLESS MILLS





Mef - Endless Mills

🇮🇹 FRESE A SGROSSARE LUNGHE 🇬🇧 LONG ROUGHING END MILLS  
🇩🇪 LANGE SCHRUPPFRÄSER 🇫🇷 FRAISES D' ÉBAUCHE LONGUES



**ACCIAIO INOSSIDABILE**  
**STAINLESS STEEL**  
**ROSTFREIENSTAHL**  
**ACIER INOXYDABLE**

CODICE / ITEM NO. / ARTIKEL NR. / RÉFÉRENCE						MEF902
TIPO / TYPE / TYP / TYPE						EX/HR
NR.TAGLIENTI / FLUTES NO. / NUTENZAHL / NB.DE DENTS						4-6*
ATTACCO / SHANK / SCHAFT / QUEUE						C
MATERIALE / MATERIAL / WERKSTOFF / MATIÈRE						HP CARBIDE
RIVESTIMENTO / COATING / BESCHICHTUNG / REVÊTEMENT						ENDLESS
NORMA / NORM / NORM / NORME						OSAWA
TOLLERANZA / TOLERANCE / TOLERANZ / TOLÉRANCE						h10
ELICA / HELIX / SPIRAL / HÉLICE						45°
D	d (h6)	d1	l	l1	L	Stock
MM. 6	6	5.5	16	20	57	●
MM. 8	8	7.5	16	26	63	●
MM.10	10	9.5	22	31	72	●
MM.12	12	11.5	26	37	83	●
MM.16	16	15.5	32	51	100	●
MM.20	20	19.2	38	59	110	●

Ø mm.	Tol. µ				
	1-3	3.5-6	6.5-10	10.5-18	19-25
Dh10	0/-40	0/-48	0/-58	0/-70	0/-84
d h6	0/-6	0/-8	0/-9	0/-11	0/-13

Ø mm.	6-12	16	20
*MEF902	Z = 4	Z = 5	Z = 6

MEF - ENDLESS MILLS

