

FRÄSEN

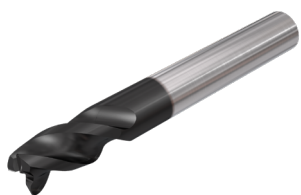
33-2022

NOVEMBER 2022

METRISCH

NPA

PRODUKTNEUHEITEN



Einfache
Handhabung



Hohe Produktivität



Hervorragende
Oberflächengüten



CHATTERFREE
SOLID MILL LINE

Erweiterung der ECA-H3-CF- Vollhartmetallfräser-Linie



Einfache
Handhabung



Hohe Produktivität



Hervorragende
Oberflächengüten

NPA

PRODUKTNEUHEITEN

CHATTERFREE SOLID MILL LINE

Ihr Nutzen:

- **Höhere Flexibilität durch erweiterte Auswahl.**
- **Hohe Prozesssicherheit.**
- **Maximale Standzeiten und Oberflächenqualitäten.**

ISCAR ergänzt seine Produktpalette im Bereich ECA-H3...CF um 4 neue Fräser für die Bearbeitung von Aluminium.

Merkmale der neuen Fräser auf einen Blick:

- Geometrie zum Schruppen und Schlichten
- Ausgezeichnete Vibrationsdämpfung
- Maximales Zeitspanvolumen
- Speziell geschliffene und and polierte Schneiden

Verfügbarkeit und Preise

Siehe Preisliste in der Anlage.

Mit freundlichen Grüßen

ISCAR Germany GmbH

Erich Timons
CTO
Mitglied der Geschäftsleitung

Mit freundlichen Grüßen

ISCAR Germany GmbH

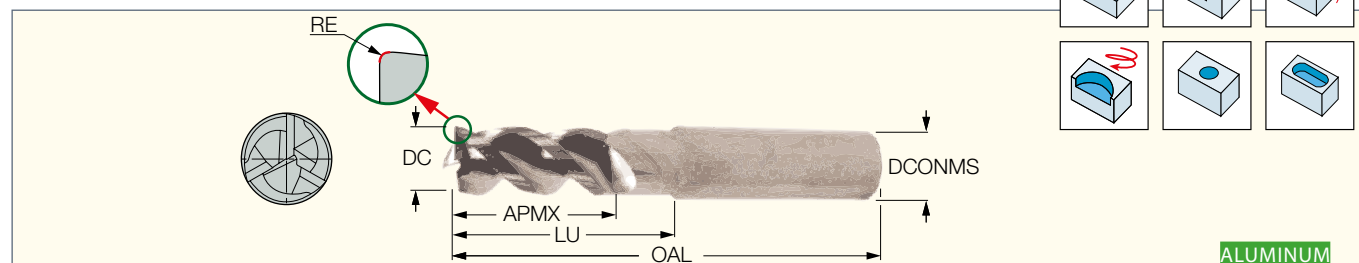
Herbert Volk
Produktmanager

CHATTERFREE

SOLID MILL LINE

ECA-H3-CF

Vollhartmetall-Schaftfräser mit unterschiedlichen Spiralwinkeln, ungleicher Teilung und Hinterschliff für die Bearbeitung von Aluminium



Bezeichnung	Abmessungen									Zähler ↔ Härter		Schnittwerte
	DC	DCONMS	APMX	OAL	NOF ⁽¹⁾	LU	RMPX ⁽²⁾	Schafttyp ⁽³⁾	RE	IC08	IC1508	f _z (mm)
ECA-H3 01-04C06CF-R.05	1.00	6.00	4.00	57.00	3	-	5.0	C	0.05	●		0.01-0.01
ECA-H3 015-04/06C06CF-R01	1.50	6.00	4.00	57.00	3	6.00	5.0	C	0.10	●		0.01-0.01
ECA-H3 02-05/08C06CF-R01	2.00	6.00	5.00	57.00	3	8.00	5.0	C	0.10	●		0.01-0.02
ECA-H3 025-05/08C06CF-R01	2.50	6.00	5.00	57.00	3	8.00	5.0	C	0.10	●		0.01-0.02
ECA-H3 03-07/12C06CF-R01	3.00	6.00	7.00	57.00	3	12.00	5.0	C	0.10	●		0.03-0.05
ECA-H3 04-10/16C06CF-R02	4.00	6.00	10.00	57.00	3	16.00	5.0	C	0.20	●		0.03-0.05
ECA-H3 05-12/20C06CF-R02	5.00	6.00	12.00	57.00	3	20.00	5.0	C	0.20	●		0.03-0.06
ECA-H3 06-09/18C06CF-R02	6.00	6.00	9.00	57.00	3	18.00	5.0	C	0.20	●		0.03-0.07
ECA-H3 06-09/18C06CF-R02D	6.00	6.00	9.00	57.00	3	18.00	5.0	C	0.20		●	0.03-0.07
ECA-H3 06-09/18C06CF-R04	6.00	6.00	9.00	57.00	3	18.00	5.0	C	0.40	●		0.03-0.07
ECA-H3 06-09/18C06CF-R08	6.00	6.00	9.00	57.00	3	18.00	5.0	C	0.80	●		0.03-0.07
ECA-H3 06-09/30C06CF-R02	6.00	6.00	9.00	65.00	3	30.00	5.0	C	0.20	●		0.03-0.07
ECA-H3 06-09/30C06CF-R02D	6.00	6.00	9.00	65.00	3	30.00	5.0	C	0.20		●	0.03-0.07
ECA-H3 06-09/30C06CF-R04	6.00	6.00	9.00	65.00	3	30.00	5.0	C	0.40	●		0.03-0.07
ECA-H3 06-09/30C06CF-R08	6.00	6.00	9.00	65.00	3	30.00	5.0	C	0.80	●		0.03-0.07
ECA-H3 06-09C06CF-R02-57	6.00	6.00	9.00	57.00	3	-	5.0	C	0.20	●		0.03-0.07
ECA-H3 06-12/18C06CF-R02C	6.00	6.00	12.00	57.00	3	18.00	5.0	C	0.20	●		0.03-0.07
ECA-H3 06-12/30C06CF-R02C	6.00	6.00	12.00	64.00	3	30.00	5.0	C	0.20	●		0.03-0.07
ECA-H3 06-14/24C06CF-R02	6.00	6.00	14.00	60.00	3	24.00	5.0	C	0.20	●		0.03-0.07
ECA-H3 06-14/24C06CF-R02D	6.00	6.00	14.00	60.00	3	24.00	5.0	C	0.20		●	0.03-0.07
ECA-H3 08-12/24C08CF-R02	8.00	8.00	12.00	63.00	3	24.00	5.0	C	0.20	●		0.03-0.09
ECA-H3 08-12/24C08CF-R02D	8.00	8.00	12.00	63.00	3	24.00	5.0	C	0.20		●	0.03-0.09
ECA-H3 08-12/24C08CF-R04	8.00	8.00	12.00	63.00	3	24.00	5.0	C	0.40	●		0.03-0.09
ECA-H3 08-12/24C08CF-R08	8.00	8.00	12.00	63.00	3	24.00	5.0	C	0.80	●		0.03-0.09
ECA-H3 08-12/24C08CF-R30	8.00	8.00	12.00	63.00	3	24.00	5.0	C	3.00	●		0.03-0.09
ECA-H3 08-12/40C08CF-R02	8.00	8.00	12.00	79.00	3	40.00	5.0	C	0.20	●		0.03-0.09
ECA-H3 08-12/40C08CF-R02D	8.00	8.00	12.00	79.00	3	40.00	5.0	C	0.20		●	0.03-0.09
ECA-H3 08-12/40C08CF-R04	8.00	8.00	12.00	79.00	3	40.00	5.0	C	0.40	●		0.03-0.09
ECA-H3 08-12/40C08CF-R08	8.00	8.00	12.00	79.00	3	40.00	5.0	C	0.80	●		0.03-0.09
ECA-H3 08-12C08CF-R02-63	8.00	8.00	12.00	63.00	3	-	5.0	C	0.20	●		0.03-0.09
ECA-H3 08-16/24C08CF-R02C	8.00	8.00	16.00	63.00	3	24.00	5.0	C	0.20	●		0.03-0.09
ECA-H3 08-16/40C08CF-R02C	8.00	8.00	16.00	78.00	3	40.00	5.0	C	0.20	●		0.03-0.09
ECA-H3 08-18/32C08CF-R02	8.00	8.00	18.00	68.00	3	32.00	5.0	C	0.20	●		0.03-0.09
ECA-H3 08-18/32C08CF-R02D	8.00	8.00	18.00	68.00	3	32.00	5.0	C	0.20		●	0.03-0.09
ECA-H3 10-15/30C10CF-R02	10.00	10.00	15.00	72.00	3	30.00	5.0	C	0.20	●		0.03-0.10
ECA-H3 10-15/30C10CF-R02D	10.00	10.00	15.00	72.00	3	30.00	5.0	C	0.20		●	0.03-0.10
ECA-H3 10-15/30C10CF-R04	10.00	10.00	15.00	72.00	3	30.00	5.0	C	0.40	●		0.03-0.10
ECA-H3 10-15/30C10CF-R08	10.00	10.00	15.00	72.00	3	30.00	5.0	C	0.80	●		0.03-0.10

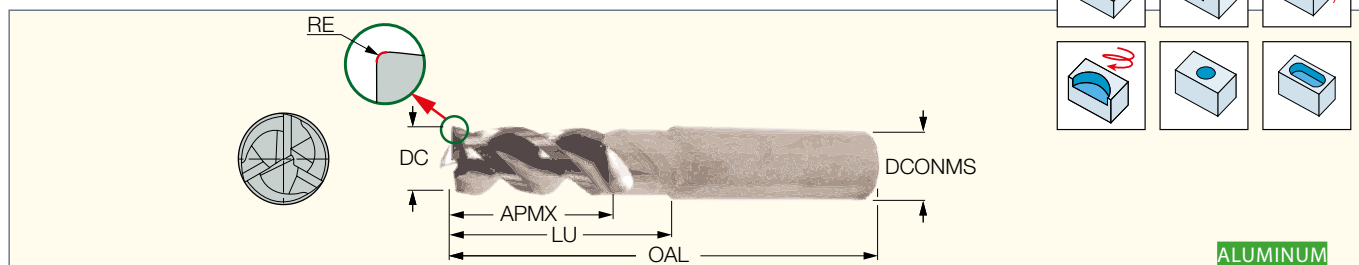
● Schneidstoffsorte IC1508 - DLC-Beschichtung

⁽¹⁾ Anzahl der Schneiden

⁽²⁾ Maximaler Eintauchwinkel

⁽³⁾ C-Zylindrisch

Vollhartmetall-Schaftfräser mit unterschiedlichen Spiralwinkeln, ungleicher Teilung und Hinterschliff für die Bearbeitung von Aluminium



Bezeichnung	Abmessungen									Zähler ↔ Härter		Schnittwerte
	DC	DCONMS	APMX	OAL	NOF ⁽¹⁾	LU	RMPX ⁽²⁾	Schafttyp ⁽³⁾	RE	IC08	IC1508	
f _z (mm)												
ECA-H3 10-15/30C10CF-R16	10.00	10.00	15.00	72.00	3	30.00	5.0	C	1.60	●		0.03-0.10
ECA-H3 10-15/30C10CF-R30	10.00	10.00	15.00	72.00	3	30.00	5.0	C	3.00	●		0.03-0.10
ECA-H3 10-15/50C10CF-R02	10.00	10.00	15.00	92.00	3	50.00	5.0	C	0.20	●		0.03-0.10
ECA-H3 10-15/50C10CF-R02D	10.00	10.00	15.00	92.00	3	50.00	5.0	C	0.20		●	0.03-0.10
ECA-H3 10-15/50C10CF-R04	10.00	10.00	15.00	92.00	3	50.00	5.0	C	0.40	●		0.03-0.10
ECA-H3 10-15/50C10CF-R08	10.00	10.00	15.00	92.00	3	50.00	5.0	C	0.80	●		0.03-0.10
ECA-H3 10-15/50C10CF-R16	10.00	10.00	15.00	92.00	3	50.00	5.0	C	1.60	●		0.03-0.10
ECA-H3 10-15/50C10CF-R20	10.00	10.00	15.00	92.00	3	50.00	5.0	C	2.00	●		0.03-0.10
ECA-H3 10-15/50C10CF-R30	10.00	10.00	15.00	92.00	3	50.00	5.0	C	3.00	●		0.03-0.10
ECA-H3 10-15C10CF-R02-72	10.00	10.00	15.00	72.00	3	-	5.0	C	0.20	●		0.03-0.10
ECA-H3 10-20/30C10CF-R02C	10.00	10.00	20.00	72.00	3	30.00	5.0	C	0.20	●		0.03-0.10
ECA-H3 10-20/50C10CF-R02C	10.00	10.00	20.00	100.00	3	50.00	5.0	C	0.20	●		0.03-0.10
ECA-H3 10-22/40C10CF-R02	10.00	10.00	22.00	80.00	3	40.00	5.0	C	0.20	●		0.03-0.10
ECA-H3 10-22/40C10CF-R02D	10.00	10.00	22.00	80.00	3	40.00	5.0	C	0.20		●	0.03-0.10
ECA-H3 10-22/40C10CF-R30	10.00	10.00	22.00	80.00	3	40.00	5.0	C	3.00	●		0.03-0.10
ECA-H3 12-18/36C12CF-R02	12.00	12.00	18.00	83.00	3	36.00	5.0	C	0.20	●		0.04-0.11
ECA-H3 12-18/36C12CF-R02D	12.00	12.00	18.00	83.00	3	36.00	5.0	C	0.20		●	0.04-0.11
ECA-H3 12-18/36C12CF-R04	12.00	12.00	18.00	83.00	3	36.00	5.0	C	0.40	●		0.04-0.11
ECA-H3 12-18/36C12CF-R08	12.00	12.00	18.00	83.00	3	36.00	5.0	C	0.80	●		0.04-0.11
ECA-H3 12-18/36C12CF-R16	12.00	12.00	18.00	83.00	3	36.00	5.0	C	1.60	●		0.04-0.11
ECA-H3 12-18/36C12CF-R20	12.00	12.00	18.00	83.00	3	36.00	5.0	C	2.00	●		0.04-0.11
ECA-H3 12-18/36C12CF-R25	12.00	12.00	18.00	83.00	3	36.00	5.0	C	2.50	●		0.04-0.11
ECA-H3 12-18/36C12CF-R30	12.00	12.00	18.00	83.00	3	36.00	5.0	C	3.00	●		0.04-0.11
ECA-H3 12-18/60C12CF-R02	12.00	12.00	18.00	100.00	3	60.00	5.0	C	0.20	●		0.04-0.11
ECA-H3 12-18/60C12CF-R02D	12.00	12.00	18.00	100.00	3	60.00	5.0	C	0.20		●	0.04-0.11
ECA-H3 12-18/60C12CF-R04	12.00	12.00	18.00	100.00	3	60.00	5.0	C	0.40	●		0.04-0.11
ECA-H3 12-18/60C12CF-R08	12.00	12.00	18.00	100.00	3	60.00	5.0	C	0.80	●		0.04-0.11
ECA-H3 12-18/60C12CF-R16	12.00	12.00	18.00	100.00	3	60.00	5.0	C	1.60	●		0.04-0.11
ECA-H3 12-18/60C12CF-R20	12.00	12.00	18.00	100.00	3	60.00	5.0	C	2.00	●		0.04-0.11
ECA-H3 12-18/60C12CF-R25	12.00	12.00	18.00	100.00	3	60.00	5.0	C	2.50	●		0.04-0.11
ECA-H3 12-18/60C12CF-R30	12.00	12.00	18.00	100.00	3	60.00	5.0	C	3.00	●		0.04-0.11
ECA-H3 12-18C12CF-R02-83	12.00	12.00	18.00	83.00	3	-	5.0	C	0.20	●		0.04-0.11

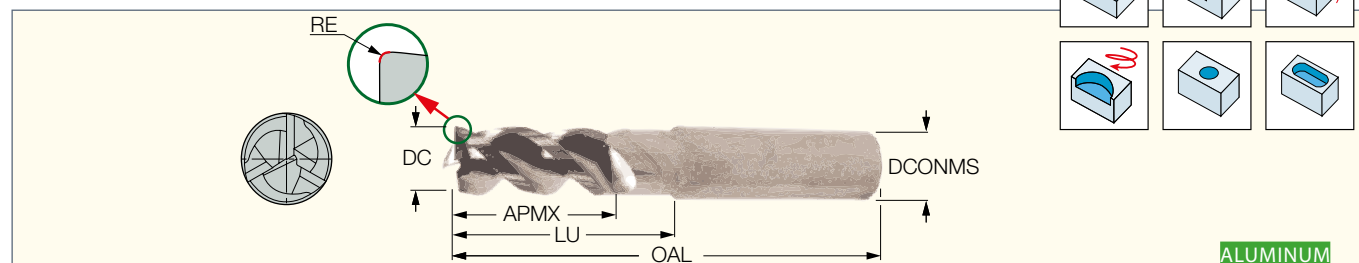
(3) C-Zylindrisch

CHATTERFREE

SOLID MILL LINE

ECA-H3-CF (Fortsetzung)

Vollhartmetall-Schaftfräser mit unterschiedlichen Spiralwinkeln, ungleicher Teilung und Hinterschliff für die Bearbeitung von Aluminium



Bezeichnung	Abmessungen									Zähler ↔ Härter		Schnittwerte
	DC	DCONMS	APMX	OAL	NOF ⁽¹⁾	LU	RMPX ⁽²⁾	Schafttyp ⁽³⁾	RE	IC08	IC1508	f _z (mm)
ECA-H3 12-24/36C12CF-R02C	12.00	12.00	24.00	83.00	3	36.00	5.0	C	0.20	●		0.04-0.11
ECA-H3 12-24/60C12CF-R02C	12.00	12.00	24.00	100.00	3	60.00	5.0	C	0.20	●		0.04-0.11
ECA-H3 12-26/48C12CF-R02	12.00	12.00	26.00	93.00	3	48.00	5.0	C	0.20	●		0.04-0.11
ECA-H3 12-26/48C12CF-R02D	12.00	12.00	26.00	93.00	3	48.00	5.0	C	0.20		●	0.04-0.11
ECA-H3 16-24/48C16CF-R02	16.00	16.00	24.00	92.00	3	48.00	5.0	C	0.20	●		0.05-0.13
ECA-H3 16-24/48C16CF-R02D	16.00	16.00	24.00	92.00	3	48.00	5.0	C	0.20		●	0.05-0.13
ECA-H3 16-24/48C16CF-R04	16.00	16.00	24.00	92.00	3	48.00	5.0	C	0.40	●		0.05-0.13
ECA-H3 16-24/48C16CF-R08	16.00	16.00	24.00	92.00	3	48.00	5.0	C	0.80	●		0.05-0.13
ECA-H3 16-24/48C16CF-R16	16.00	16.00	24.00	92.00	3	48.00	5.0	C	1.60	●		0.05-0.13
ECA-H3 16-24/48C16CF-R20	16.00	16.00	24.00	92.00	3	48.00	5.0	C	2.00	●		0.05-0.13
ECA-H3 16-24/48C16CF-R25	16.00	16.00	24.00	92.00	3	48.00	5.0	C	2.50	●		0.05-0.13
ECA-H3 16-24/48C16CF-R30	16.00	16.00	24.00	92.00	3	48.00	5.0	C	3.00	●		0.05-0.13
ECA-H3 16-24/48C16CF-R32	16.00	16.00	24.00	92.00	3	48.00	5.0	C	3.20	●		0.05-0.13
ECA-H3 16-24/48C16CF-R40	16.00	16.00	24.00	92.00	3	48.00	5.0	C	4.00	●		0.05-0.13
ECA-H3 16-24/48C16CF-R50	16.00	16.00	24.00	92.00	3	48.00	5.0	C	5.00	●		0.05-0.13
ECA-H3 16-24/80C16CF-R02	16.00	16.00	24.00	128.00	3	80.00	5.0	C	0.20	●		0.05-0.13
ECA-H3 16-24/80C16CF-R04	16.00	16.00	24.00	128.00	3	80.00	5.0	C	0.40	●		0.05-0.13
ECA-H3 16-24/80C16CF-R08	16.00	16.00	24.00	128.00	3	80.00	5.0	C	0.80	●		0.05-0.13
ECA-H3 16-24/80C16CF-R16	16.00	16.00	24.00	128.00	3	80.00	5.0	C	1.60	●		0.05-0.13
ECA-H3 16-24/80C16CF-R20	16.00	16.00	24.00	128.00	3	80.00	5.0	C	2.00	●		0.05-0.13
ECA-H3 16-24/80C16CF-R25	16.00	16.00	24.00	128.00	3	80.00	5.0	C	2.50	●		0.05-0.13
ECA-H3 16-24/80C16CF-R30	16.00	16.00	24.00	128.00	3	80.00	5.0	C	3.00	●		0.05-0.13
ECA-H3 16-24/80C16CF-R32	16.00	16.00	24.00	128.00	3	80.00	5.0	C	3.20	●		0.05-0.13
ECA-H3 16-24/80C16CF-R40	16.00	16.00	24.00	128.00	3	80.00	5.0	C	4.00	●		0.05-0.13
ECA-H3 16-24/80C16CF-R50	16.00	16.00	24.00	128.00	3	80.00	5.0	C	5.00	●		0.05-0.13
ECA-H3 16-32/48C16CF-R02C	16.00	16.00	32.00	92.00	3	48.00	5.0	C	0.20	●		0.05-0.13
ECA-H3 16-32/80C16CF-R02C	16.00	16.00	32.00	127.00	3	80.00	5.0	C	0.20	●		0.05-0.13
ECA-H3 16-34/64C16CF-R02	16.00	16.00	34.00	115.00	3	64.00	5.0	C	0.20	●		0.05-0.13
ECA-H3 16-34/64C16CF-R02D	16.00	16.00	34.00	115.00	3	64.00	5.0	C	0.20		●	0.05-0.13
ECA-H3 20-30/100C20CF-R02	20.00	20.00	30.00	150.00	3	100.00	5.0	C	0.20	●		0.05-0.14
ECA-H3 20-30/100C20CF-R04	20.00	20.00	30.00	150.00	3	100.00	5.0	C	0.40	●		0.05-0.14
ECA-H3 20-30/100C20CF-R08	20.00	20.00	30.00	150.00	3	100.00	5.0	C	0.80	●		0.05-0.14
ECA-H3 20-30/100C20CF-R32	20.00	20.00	30.00	150.00	3	100.00	5.0	C	3.20	●		0.05-0.14
ECA-H3 20-30/100C20CF-R40	20.00	20.00	30.00	150.00	3	100.00	5.0	C	4.00	●		0.05-0.14
ECA-H3 20-30/100C20CF-R50	20.00	20.00	30.00	150.00	3	100.00	5.0	C	5.00	●		0.05-0.14
ECA-H3 20-30/60C20CF-R02	20.00	20.00	30.00	110.00	3	60.00	5.0	C	0.20	●		0.05-0.14
ECA-H3 20-30/60C20CF-R02D	20.00	20.00	30.00	110.00	3	60.00	5.0	C	0.20		●	0.05-0.14

● Schneidstoffsorte IC1508 - DLC-Beschichtung

⁽¹⁾ Anzahl der Schneiden

⁽²⁾ Maximaler Eintauchwinkel

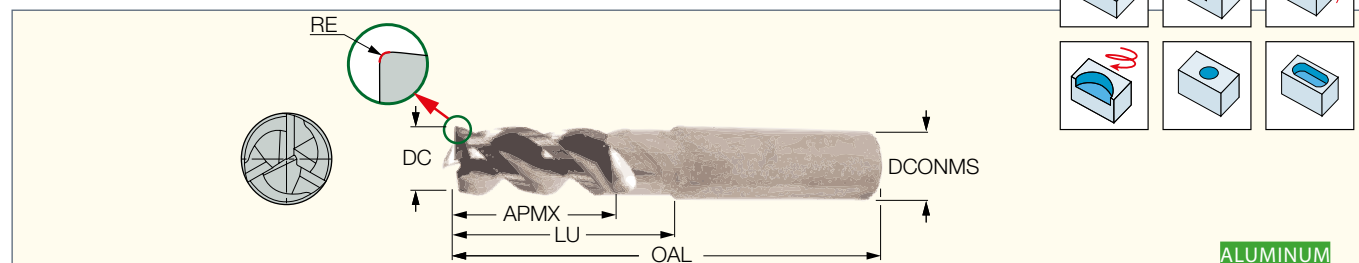
⁽³⁾ C-Zylindrisch

CHATTERFREE

SOLID MILL LINE

ECA-H3-CF (Fortsetzung)

Vollhartmetall-Schaftfräser mit unterschiedlichen Spiralwinkeln, ungleicher Teilung und Hinterschliff für die Bearbeitung von Aluminium



Bezeichnung	Abmessungen									Zähler ↔ Härter		Schnittwerte f _z (mm)
	DC	DCONMS	APMX	OAL	NOF ⁽¹⁾	LU	RMPX ^{*(2)}	Schafttyp ⁽³⁾	RE	IC08	IC1508	
ECA-H3 20-30/60C20CF-R04	20.00	20.00	30.00	110.00	3	60.00	5.0	C	0.40	●		0.05-0.14
ECA-H3 20-30/60C20CF-R08	20.00	20.00	30.00	110.00	3	60.00	5.0	C	0.80	●		0.05-0.14
ECA-H3 20-30/60C20CF-R16	20.00	20.00	30.00	110.00	3	60.00	5.0	C	1.60	●		0.05-0.14
ECA-H3 20-30/60C20CF-R20	20.00	20.00	30.00	110.00	3	60.00	5.0	C	2.00	●		0.05-0.14
ECA-H3 20-30/60C20CF-R32	20.00	20.00	30.00	110.00	3	60.00	5.0	C	3.20	●		0.05-0.14
ECA-H3 20-30/60C20CF-R40	20.00	20.00	30.00	110.00	3	60.00	5.0	C	4.00	●		0.05-0.14
ECA-H3 20-30/60C20CF-R50	20.00	20.00	30.00	110.00	3	60.00	5.0	C	5.00	●		0.05-0.14
ECA-H3 20-40/60C20CF-R02C	20.00	20.00	40.00	109.00	3	60.00	5.0	C	0.20	●		0.05-0.14
ECA-H3 20-42/80C20CF-R02	20.00	20.00	42.00	130.00	3	80.00	5.0	C	0.20	●		0.05-0.14
ECA-H3 20-42/80C20CF-R02D	20.00	20.00	42.00	130.00	3	80.00	5.0	C	0.20		●	0.05-0.14
ECA-H320-40/100C20CF-R02C	20.00	20.00	40.00	149.00	3	100.00	5.0	C	0.20	●		0.05-0.14
ECA-H3 25-38/125C25CF-R02	25.00	25.00	38.00	185.00	3	125.00	5.0	C	0.20	●		0.05-0.15
ECA-H3 25-38/125C25CF-R08	25.00	25.00	38.00	185.00	3	125.00	5.0	C	0.80	●		0.05-0.15
ECA-H3 25-38/125C25CF-R16	25.00	25.00	38.00	185.00	3	125.00	5.0	C	1.60	●		0.05-0.15
ECA-H3 25-38/125C25CF-R20	25.00	25.00	38.00	185.00	3	125.00	5.0	C	2.00	●		0.05-0.15
ECA-H3 25-38/125C25CF-R40	25.00	25.00	38.00	185.00	3	125.00	5.0	C	4.00	●		0.05-0.15
ECA-H3 25-38/125C25CF-R50	25.00	25.00	38.00	185.00	3	125.00	5.0	C	5.00	●		0.05-0.15
ECA-H3 25-38/75C25CF-R02	25.00	25.00	38.00	130.00	3	75.00	5.0	C	0.20	●		0.05-0.15
ECA-H3 25-38/75C25CF-R04	25.00	25.00	38.00	130.00	3	75.00	5.0	C	0.40	●		0.05-0.15
ECA-H3 25-38/75C25CF-R16	25.00	25.00	38.00	130.00	3	75.00	5.0	C	1.60	●		0.05-0.15
ECA-H3 25-38/75C25CF-R20	25.00	25.00	38.00	130.00	3	75.00	5.0	C	2.00	●		0.05-0.15
ECA-H3 25-38/75C25CF-R32	25.00	25.00	38.00	130.00	3	75.00	5.0	C	3.20	●		0.05-0.15

• Schneidstoffsorte IC1508 - DLC-Beschichtung

⁽¹⁾ Anzahl der Schneiden

⁽²⁾ Maximaler Eintauchwinkel

⁽³⁾ C-Zylindrisch

Preisliste

Artikel-Nr.	Bezeichnung	Preis €	Verfügbarkeit
3421039	ECA-H3 06-09C06CF-R02-57	48,60 €	ab Lager
3421040	ECA-H3 08-12C08CF-R02-63	68,70 €	ab Lager
3421041	ECA-H3 10-15C10CF-R02-72	96,30 €	ab Lager
3421042	ECA-H3 12-18C12CF-R02-83	133,00 €	ab Lager

Rabattgruppe: G9 VOLL-HM-SCHAFT.