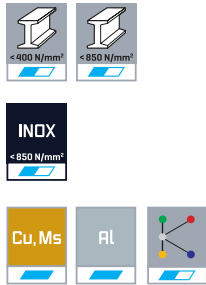


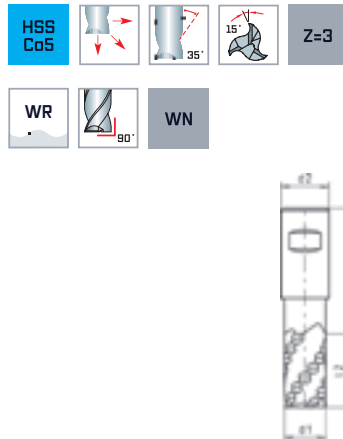
D Schaftfräser
lang, dreischneider,
zentrumschneidend

Einsatzbereich:
Empfohlen zum Fräsen von weichen bis zähen,
langspanenden Werkstoffen wie Al- und Cu-Le-
gierungen sowie Thermoplaste.



E End mills
long series, three flutes,
centre cutting

Range of application:
Recommended for milling in soft as well as in
tough, long chipping materials such as Al- and
Cu-alloys as well as in thermo plastics.



I Frese cilindriche frontali
serie lunga, 3 taglienti,
tagliente al centro

Impiego:
Adatte per lavorazioni di acciai teneri, tenaci, a
truciolo lungo, leghe alluminio, leghe rame, materiali
termoplastici.

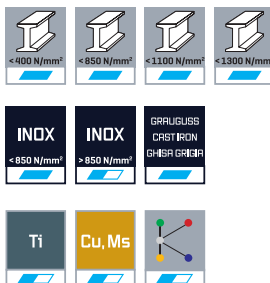


d1 _{k12} mm	d2 _{h6} mm	l1 mm	l2 mm	Z	Code 2104 Art.-Nr.
10	10	85	35	3	0 2104010001 00
12	12	100	42	3	0 2104012001 00
16	16	112	52	3	0 2104016001 00

d1 _{k12} mm	d2 _{h6} mm	l1 mm	l2 mm	Z	Code 2104 Art.-Nr.
18	16	112	52	3	0 2104018001 00
20	20	126	60	3	0 2104020001 00
25	25	148	72	3	0 2104025001 00

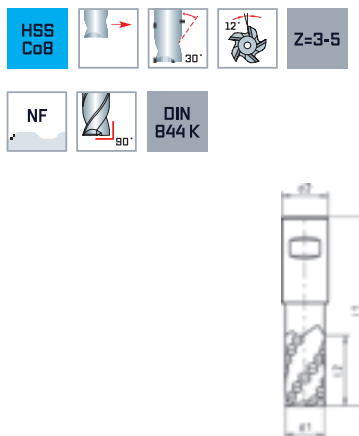
D Schaftfräser
kurz, DIN 844 K

Einsatzbereich:
Empfohlen zum Fräsen von schwer zerspanbaren
Werkstoffen mit hoher Festigkeit bis 1.300 N/mm²
sowie für Titan und Titanlegierungen.



E End mills
short series, DIN 844 K

Range of application:
Recommended for milling in heavy duty materials
with high tensile strength up to 1.300 N/mm²
as well as in titanium and titanium-alloyed
materials.



I Frese cilindriche frontali
serie corta, DIN 844 K

Impiego:
Adatte per lavorazioni di acciai di difficile lavorabilità
ad elevata resistenza fino a R = 1.300 N/mm², Titanio,
leghe di Titanio.



d1 _{k12} mm	d2 _{h6} mm	l1 mm	l2 mm	Z	Code 2156 Art.-Nr.
5	6	57	13	3	0 2156005001 00
6	6	57	13	3	0 2156006001 00

d1 _{k12} mm	d2 _{h6} mm	l1 mm	l2 mm	Z	Code 2156 Art.-Nr.
8	10	69	19	4	0 2156008001 00
9	10	69	19	4	0 2156009001 00
10	10	72	22	4	0 2156010001 00
11	12	79	22	4	0 2156011001 00
12	12	83	26	4	0 2156012001 00
14	12	83	26	4	0 2156014001 00
15	12	83	26	4	0 2156015001 00
16	16	92	32	4	0 2156016001 00
18	16	92	32	4	0 2156018001 00
20	20	104	38	4	0 2156020001 00
25	25	121	45	5	0 2156025001 00
30	25	121	45	5	0 2156030001 00

D Schaftfräser

kurz, Morsekegelschaft,
DIN 845 B

Einsatzbereich:

Zum Schlichten mit hoher Zerspanungsleistung bei gleichzeitig exzellenter Oberfläche von Stählen mit mittlerer bis hoher Festigkeit bis 1.300 N/mm² (z.B. Bau-, Einsatz-, Vergütungsstähle); NE-Metalle, rost- und säurebeständige Stähle. Bevorzugt Gleichlaufräsen.



E End mills

short series, morse taper shank, DIN 845 B

Range of application:

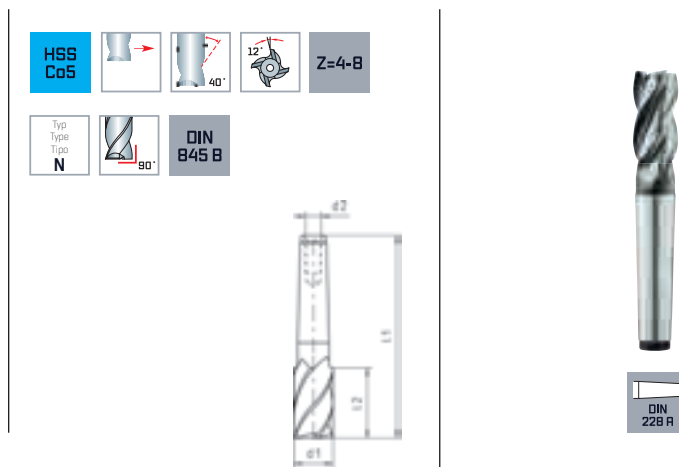
Finishing with high cutting performance and excellent surface on steels with medium to high tensile strength up to 1.300 N/mm² (for example for structural, case-hardening, heat-treatable steels); non-ferrous metals, stainless and acid resistant steels. Climb milling preferred.

I Frese frontali

serie corta, cono morse, DIN 845 B

Impiego:

Adatte per lavorazione di acciai di media ed alta resistenza fino a R = 1.300 N/mm², [ad es. acciai da costruzione, acciai da cementazione, acciai bonificati]; materiali non ferrosi, acciai inossidabili, acciai resistenti agli acidi, con elevata potenza di fresatura e con una finitura della superficie ottimale. Consigliata fresatura concorde.



d1 _{k10} mm	d2 mm	l1 mm	l2 mm	Z	Code 2664 Art.-Nr.	
12	2	M 6	111	26	4	0 2664012001 00
14	2	M10	111	26	4	0 2664014001 00
16	2	M10	117	32	4	0 2664016001 00
18	2	M10	117	32	4	0 2664018001 00
20	2	M10	123	38	4	0 2664020001 00
22	2	M10	123	38	5	0 2664022001 00
25	3	M12	147	45	5	0 2664025001 00
26	3	M12	147	45	5	0 2664026001 00
28	3	M12	147	45	5	0 2664028001 00
30	3	M12	147	45	6	0 2664030001 00
32	4	M16	178	53	6	0 2664032001 00
36	4	M16	178	53	6	0 2664036001 00
40	4	M16	188	63	6	0 2664040001 00
45	4	M16	188	63	6	0 2664045001 00
50	5	M20	233	75	6	0 2664050001 00

