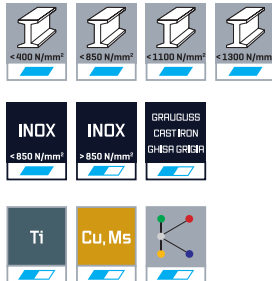


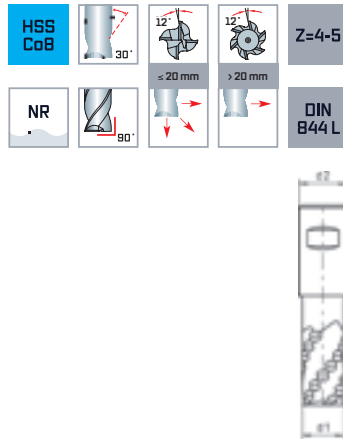
D Schaftfräser
lang, DIN 844 L

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



E End mills
long series, DIN 844 L

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 lunga, DIN 844 L

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 2076 Art.-Nr.
10	10	95	45	4	0 2076010001 00
12	12	110	53	4	0 2076012001 00
16	16	123	63	4	0 2076016001 00
18	16	123	63	4	0 2076018001 00
20	20	141	75	4	0 2076020001 00

d1 _{k12} mm	d2 _{h6} mm	l1 mm	l2 mm	Z	Code 2076 Art.-Nr.
22	20	141	75	5	0 2076022001 00
24	25	166	90	5	0 2076024001 00
25	25	166	90	5	0 2076025001 00
30	25	166	90	5	0 2076030001 00

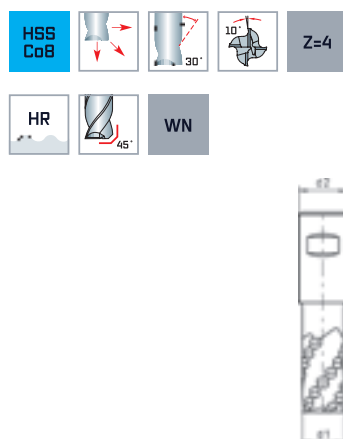
D Schaftfräser
extra kurz,
zentrumschneidend

Einsatzbereich:
Großer Anwendungsbereich bei Werkstoffen mit mittlerer bis hoher Festigkeit (ca. 900–1.400 N/mm²), z.B. Einsatz-, Vergütungsstähle, Werkzeugstahl legiert, vergütet, NE-Metalle, hochwärmefeste Werkstoffe sowie Gusseisen und Gusslegierungen.



E Stub end mills
extra short series,
centre cutting

Range of application:
Wide range of applications on materials of medium strength up to high tensile strength (~ 900–1.400 N/mm²), for example case-hardening, heat-treatable steels, alloyed tool steel; hardened and tempered non-ferrous metals, high temperature materials, also cast iron and alloyed cast iron.



I Frese cilindriche frontali
serie extra corta,
tagliante al centro

Impiego:
Fresatura generale adatte per lavorazioni di acciai sia a media che ad elevata resistenza (ca. 900 – fino a 1400 N/mm²) ad es. acciai da cementazione, acciai da utensili legati bonificati, metalli non ferrosi, metalli resistenti al calore, ghisa, leghe di ghisa.



ALUNIT®

d1 _{k12} mm	d2 _{h6} mm	l1 mm	l2 mm	Z	Code 2007 Art.-Nr.
6	6	52	8	4	0 2007006001 00
8	10	61	11	4	0 2007008001 00
10	10	63	13	4	0 2007010001 00

ALUNIT®

d1 _{k12} mm	d2 _{h6} mm	l1 mm	l2 mm	Z	Code 2007 Art.-Nr.
12	12	66	16	4	0 2007012001 00
16	16	75	19	4	0 2007016001 00
20	20	89	22	4	0 2007020001 00

D Schaftfräser
extra kurz,
zentrumschneidend

Einsatzbereich:

Großer Anwendungsbereich bei Werkstoffen mit mittlerer bis hoher Festigkeit [ca. 900-1.400 N/mm²], z.B. Einsatz-, Vergütungsstähle, Werkzeugstahl legiert, vergütet, NE-Metalle, hochwarmfeste Werkstoffe sowie Gusseisen und Gusslegierungen.

E Stub end mills
extra short series,
centre cutting

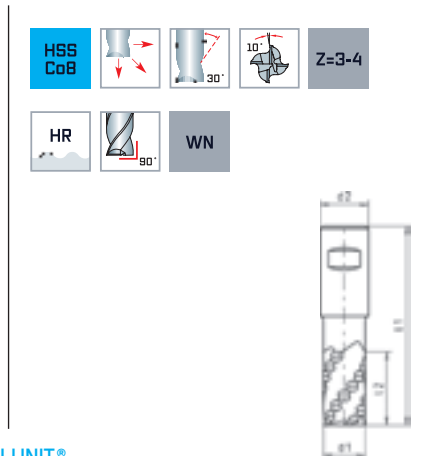
Range of application:

Wide range of applications on materials of medium strength up to high tensile strength (~ 900-1.400 N/mm²), for example case-hardening, heat-treatable steels, alloyed tool steel; hardened and tempered non-ferrous metals, high temperature materials, also cast iron and alloyed cast iron.

I Frese cilindriche frontali
serie extra corta,
tagliente al centro

Impiego:

Fresatura generale adatte per lavorazioni di acciai sia a media che ad elevata resistenza [ca. 900 - fino a 1400 N/mm²] ad es. acciai da cementazione, acciai da utensili legati bonificati, metalli non ferrosi, metalli resistenti al calore, ghisa, leghe di ghisa.



ALUNIT®

d1 _{k12} mm	d2 _{h6} mm	l1 mm	l2 mm	Z	Code 2057 Art.-Nr.
6	6	52	8	3	0 2057006001 00
8	10	61	11	4	0 2057008001 00
10	10	63	13	4	0 2057010001 00
12	12	73	16	4	0 2057012001 00

ALUNIT®

d1 _{k12} mm	d2 _{h6} mm	l1 mm	l2 mm	Z	Code 2057 Art.-Nr.
14	12	73	16	4	0 2057014001 00
16	16	79	19	4	0 2057016001 00
18	16	79	19	4	0 2057018001 00
20	20	88	22	4	0 2057020001 00

