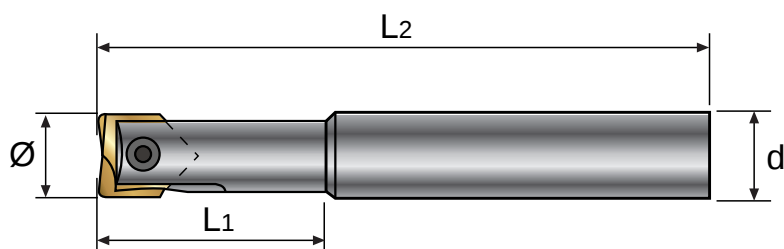


PROGRAMMA DI FINITURA HIBF

FRESE PER INSERTI QUADRI FLAT BOTTOM

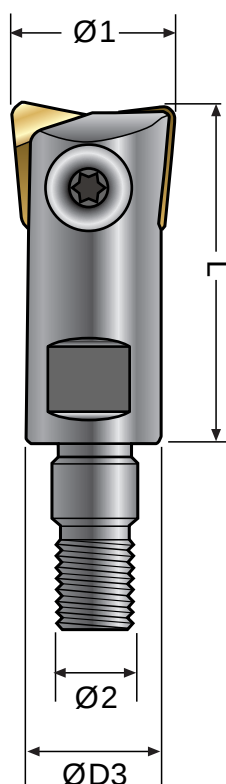
FRESE CON ATTACCO CILINDRICO



Codice Fresa con gambo in metallo duro	Ø mm	d mm	L1 mm	L2 mm
HIBF 12-MD-177-12FB-V	12	12	22	177
HIBF 16-MD-177-16FB-V	16	16	25	177
HIBF 20-MD-190-20FB-V	20	20	35	190

Codice Fresa con gambo in acciaio trattato	Ø mm	d mm	L1 mm	L2 mm
HIBF 10-101-10FB-V	10	10	34	101
HIBF 10-114-12FB-V	10	12	58	114
HIBF 12-101-12FB-V	12	12	38	100
HIBF 12-153-12FB-V	12	12	38	153
HIBF 14-101-16FB-V	14	16	50	101
HIBF 14-146-14FB-V	14	14	38	146
HIBF 16-120-16FB-V	16	16	66	120
HIBF 16-153-16FB-V	16	16	38	153
HIBF 16-153-20FB-V	16	20	38	153
HIBF 16-203-20FB-V	16	20	61	203
HIBF 20-153-25FB-V	20	25	82	153
HIBF 20-170-20FB-V	20	20	44	170
HIBF 20-203-20FB-V	20	20	44	203
HIBF 25-153-25FB-V	25	25	57	153
HIBF 25-190-32FB-V	25	32	101	190
HIBF 25-203-25FB-V	25	25	50	203

TESTINA CON ATTACCO FILETTATO



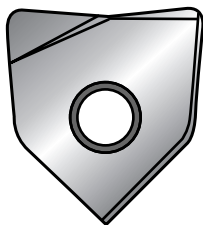
Codice	Ø1 mm	L1 mm	Ø2 Attacco filettato	ØD3
12FB/6	12	23	6mm	9,7
14FB/8	14	23	8mm	?
16FB/8	16	28	8mm	14,8
20FB/10	20	40	10mm	17,8
25FB/12	25	47	12mm	20,7
32FB/16	32	?	16mm	?

Ø12, Ø16, Ø20, Ø25, Ø32 disponibili anche con fori per la lubrificazione, precisare in sede d'ordine

PROGRAMMA DI FINITURA HIBF

INSERTI QUADRI PER FRESE FLAT BOTTOM

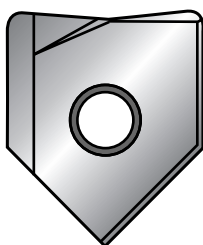
INSERTI RASTREMATI



Codice INSERTO	RAGGIO mm	LEGA TiAlN	Codice Vite INSERTO
HIBF INS10 mm-FB-V-R05	0,5	•	10 mm-SCR
HIBF INS10 mm-FB-V-R08	0,8	•	10 mm-SCR
HIBF INS10 mm-FB-V-R10	1,0	•	10 mm-SCR
HIBF INS10 mm-FB-V-R20	2,0	•	10 mm-SCR
HIBF INS12 mm-FB-V-R05	0,5	•	12 mm-SCR
HIBF INS12 mm-FB-V-R10	1,0	•	12 mm-SCR
HIBF INS12 mm-FB-V-R20	2,0	•	12 mm-SCR
HIBF INS14 mm-FB-V-R10	1,0	•	14 mm-SCR
HIBF INS16 mm-FB-V-R05	0,5	•	16 mm-SCR
HIBF INS16 mm-FB-V-R10	1,0	•	16 mm-SCR
HIBF INS16 mm-FB-V-R13	1,3	•	16 mm-SCR
HIBF INS16 mm-FB-V-R20	2,0	•	16 mm-SCR
HIBF INS16 mm-FB-V-R30	3,0	•	16 mm-SCR
HIBF INS16 mm-FB-V-R40	4,0	•	16 mm-SCR
HIBF INS20mm-FB-V-R05	0,5	•	20mm-SCR
HIBF INS20mm-FB-V-R10	1,0	•	20mm-SCR
HIBF INS20mm-FB-V-R16	1,6	•	20mm-SCR
HIBF INS20mm-FB-V-R20	2,0	•	20mm-SCR
HIBF INS20mm-FB-V-R30	3,0	•	20mm-SCR
HIBF INS20mm-FB-V-R50	5,0	•	20mm-SCR
HIBF INS25mm-FB-V-R20	2,0	•	25mm-SCR
HIBF INS32mm-FB-V-R26	2,6	•	32mm-SCR



INSERTI QUADRI 90°



Codice INSERTO	RAGGIO mm	LEGA TiAlN	Codice Vite INSERTO
HIBF INS12-FB90-V-R10	1,0	•	12 mm-SCR
HIBF INS16-FB90-V-R13	1,3	•	16 mm-SCR
HIBF INS20-FB90-V-R16	1,6	•	20mm-SCR



PARAMETRI TECNICI PER UTENSILI TIPO HIBF

MATERIALE	Vc	ap max	ae max	fz max
Acciai da costruzione 100÷220 kg/m ²	100÷140	1 mm 3 mm 6 mm	1 mm 1,5 mm 3 mm	0,20 mm 0,16 mm 0,10 mm
Acciai per stampi ≤ 48 HRC	90÷110	1 mm 3 mm 6 mm	1 mm 1,5 mm 3 mm	0,16 mm 0,12 mm 0,08 mm
Acciai per stampi > 48 HRC	40÷70	1 mm 3 mm 6 mm	1 mm 1,5 mm 3 mm	0,16 mm 0,12 mm 0,08 mm
Acciai per stampi resistenti alla corrosione	60÷90	1 mm 3 mm 6 mm	1 mm 1,5 mm 3 mm	0,24 mm 0,20 mm 0,16 mm
Ghise per stampi alta resistenza	90÷110	1 mm 3 mm 6 mm	1 mm 1,5 mm 3 mm	0,24 mm 0,20 mm 0,16 mm

PROGRAMMA DI FINITURA HIBF

INSERTI QUADRI PER FRESE FLAT BOTTOM

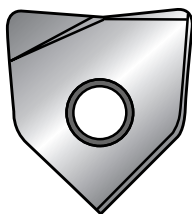
INSERTI RASTREMATI

NOVITÀ

Per la fresatura di stampi
in **ALTA VELOCITÀ**

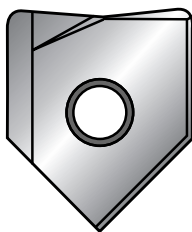
una nuova lega ed un nuovo rivestimento

HT



Codice INSERTO	RAGGIO mm	LEGA HT
HIBF INS10 mm-FB-V-R05	0,5	•
HIBF INS10 mm-FB-V-R08	0,8	□
HIBF INS10 mm-FB-V-R10	1,0	•
HIBF INS10 mm-FB-V-R13	1,3	□
HIBF INS12 mm-FB-V-R05	0,5	□
HIBF INS12 mm-FB-V-R10	1,0	□
HIBF INS12 mm-FB-V-R20	2,0	□
HIBF INS14 mm-FB-V-R10	1,0	□
HIBF INS16 mm-FB-V-R05	0,5	□
HIBF INS16 mm-FB-V-R10	1,0	□
HIBF INS16 mm-FB-V-R13	1,3	□
HIBF INS16 mm-FB-V-R20	2,0	□
HIBF INS16 mm-FB-V-R30	3,0	□
HIBF INS16 mm-FB-V-R40	4,0	□
HIBF INS20mm-FB-V-R10	1,0	□
HIBF INS20mm-FB-V-R16	1,6	□
HIBF INS20mm-FB-V-R20	2,0	□
HIBF INS20mm-FB-V-R30	3,0	□
HIBF INS25mm-FB-V-R20	2,0	□

INSERTI QUADRI 90°



Codice INSERTO	RAGGIO mm	LEGA HT
HIBF INS12-FB90-V-R10	1,0	□
HIBF INS16-FB90-V-R05	0,5	•
HIBF INS16-FB90-V-R10	1,0	•
HIBF INS16-FB90-V-R03	1,3	•
HIBF INS20-FB90-V-R16	1,6	□

• Disponibile da stock

□ Disponibilità futura

ALTA VELOCITÀ **LEGA HT NEW**

PARAMETRI TECNICI PER UTENSILI TIPO HIBF

MATERIALE	Vc	ap max	ae max	fz max
Acciai da costruzione 100÷220 kg/m ²	100÷140	1 mm 3 mm 6 mm	1 mm 1,5 mm 3 mm	0,20 mm 0,16 mm 0,10 mm
Acciai per stampi ≤ 48 HRC	90÷110	1 mm 3 mm 6 mm	1 mm 1,5 mm 3 mm	0,16 mm 0,12 mm 0,08 mm
Acciai per stampi > 48 HRC	40÷70	1 mm 3 mm 6 mm	1 mm 1,5 mm 3 mm	0,16 mm 0,12 mm 0,08 mm
Acciai per stampi resistenti alla corrosione	60÷90	1 mm 3 mm 6 mm	1 mm 1,5 mm 3 mm	0,24 mm 0,20 mm 0,16 mm
Ghise per stampi alta resistenza	90÷110	1 mm 3 mm 6 mm	1 mm 1,5 mm 3 mm	0,24 mm 0,20 mm 0,16 mm