

MIC10

ST01-B4 10

**ALTO AVANZAMENTO
4 TAGLIENTI BILATERALI**



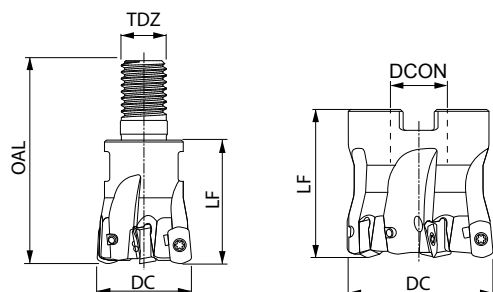
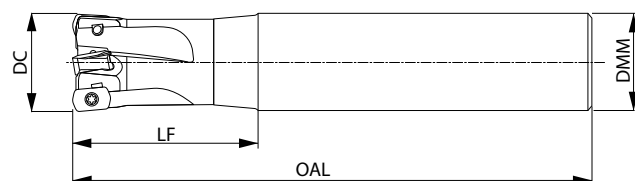
SCHUMANTOOLS®
WORK INSPIRATION

FRESE PER ALTI AVANZAMENTI/inserti bilaterali

MILLING TOOL FOR HIGH FEED RATES/bilateral inserts

Frese per alti avanzamenti. Inserto bilaterale con **4 taglienti***. Spianature, sbancamenti e terrazzamenti, apertura di fori dal pieno. Sgrossatura di stampi e meccanica generale. Taglienti a passo differenziato e fori di lubrificazione.

Attacco filettato e a manicotto, diametri da mm. 16 a mm. 42.



APMXS
ANGX
mm.1

R.P.
ANGX
1,6

APMXS
ANHX
mm.3

R.P.
ANHX
2,0



Frese per inserti AN..10T3.. Attacco filettato/Milling tools for inserts AN..10T3.. screwed coupling

CODICE CODE	DC	TDZ	OAL	LF							
ST01-B4 16 10 2 FM8A	16	8	43	25	2	-	ST VI.BO 2.5X7.0	T07-P	0.9	✓	AN..10.. ●
ST01-B4 18 10 2 FM8A	18	8	43	25	2	-	ST VI.BO 2.5X7.0	T07-P	0.9	✓	AN..10.. ●
ST01-B4 20 10 3 FM10A	20	10	49	30	3	-	ST VI.BO 2.5X7.0	T07-P	0.9	✓	AN..10.. ●
ST01-B4 20 10 4 FM10A	20	10	49	30	4	-	ST VI.BO 2.5X7.0	T07-P	0.9	✓	AN..10.. ●
ST01-B4 25 10 4 FM12A	25	12	55	33	4	✓	ST VI.BO 2.5X7.0	T07-P	0.9	✓	AN..10.. ●
ST01-B4 25 10 5 FM12A	25	12	55	33	5	-	ST VI.BO 2.5X7.0	T07-P	0.9	✓	AN..10.. ●
ST01-B4 28 10 5 FM12A	28	12	57	35	5	✓	ST VI.BO 2.5X7.0	T07-P	0.9	✓	AN..10.. ●
ST01-B4 32 10 5 FM16A	32	16	63	40	5	✓	ST VI.BO 2.5X7.0	T07-P	0.9	✓	AN..10.. ●
ST01-B4 32 10 6 FM16A	32	16	63	40	6	✓	ST VI.BO 2.5X7.0	T07-P	0.9	✓	AN..10.. ●
ST01-B4 35 10 6 FM16A	35	16	66	43	6	✓	ST VI.BO 2.5X7.0	T07-P	0.9	✓	AN..10.. ●
ST01-B4 40 10 6 FM16A	40	16	66	43	6	✓	ST VI.BO 2.5X7.0	T07-P	0.9	✓	AN..10.. ●
ST01-B4 40 10 7 FM16A	40	16	66	43	7	✓	ST VI.BO 2.5X7.0	T07-P	0.9	✓	AN..10.. ●

Frese per inserti AN..10T3.. Attacco cilindrico/Milling tools for inserts AN..10T3.. cylindrical coupling

CODICE CODE	DC	DMM	OAL	LF							
ST01-B4 1616 030 10 2CLA	16	16	100	30	2	-	ST VI.BO 2.5X7.0	T07-P	0.9	✓	AN..10.. ○
ST01-B4 1616 050 10 2CLA	16	16	150	50	2	-	ST VI.BO 2.5X7.0	T07-P	0.9	✓	AN..10.. ○
ST01-B4 2020 040 10 3CLA	20	20	130	40	3	-	ST VI.BO 2.5X7.0	T07-P	0.9	✓	AN..10.. ○
ST01-B4 2020 080 10 3CLA	20	20	160	80	3	-	ST VI.BO 2.5X7.0	T07-P	0.9	✓	AN..10.. ○
ST01-B4 2525 050 10 4CLA	25	25	140	50	4	✓	ST VI.BO 2.5X7.0	T07-P	0.9	✓	AN..10.. ○

Frese per inserti AN..10T3.. Attacco a manicotto/Milling tools for inserts AN..10T3.. sleeve coupling

CODICE CODE	DC	DCON	LF							
ST01-B4 40 10 5 MA	40	16	40	5	✓	ST VI.BO 2.5X7.0	T07-P	0.9	✓	AN..10.. ●
ST01-B4 40 10 7 MA	40	16	40	7	✓	ST VI.BO 2.5X7.0	T07-P	0.9	✓	AN..10.. ●
ST01-B4 42 10 5 MA	42	16	40	5	✓	ST VI.BO 2.5X7.0	T07-P	0.9	✓	AN..10.. ●
ST01-B4 42 10 7 MA	42	16	40	7	✓	ST VI.BO 2.5X7.0	T07-P	0.9	✓	AN..10.. ●
ST01-B4 50 10 5 MA	50	22	40	5	✓	ST VI.BO 2.5X7.0	T07-P	0.9	✓	AN..10.. ●
ST01-B4 50 10 7 MA	50	22	40	7	✓	ST VI.BO 2.5X7.0	T07-P	0.9	✓	AN..10.. ●
ST01-B4 52 10 7 MA	52	22	40	7	✓	ST VI.BO 2.5X7.0	T07-P	0.9	✓	AN..10.. ●

Inserti per frese ST01B/Inserts for milling tools ST01B

TIPO DI INSERTO TYPE OF INSERT			N° taglienti				
ANGX 10T308 M BO PH10-3P	■	P H	4	Alto avanzamento/High feed	ap max 1 mm	●	
ANGX 10T308 M BO PM25-3C	■	P M	4	Alto avanzamento/High feed	ap max 1 mm	●	
ANGX 10T308 M BO PM30-3P	■	P M	4	Alto avanzamento/High feed	ap max 1 mm	●	
ANGX 10T308 M BO PM40-3P	■	P M	4	Alto avanzamento/High feed	ap max 1 mm	●	
ANGX 10T308 M BO MS30-3P	■	M S	4	Alto avanzamento/High feed	ap max 1 mm	●	
ANGX 10T308 MM BO PM25-3C	■	P M	4	Alto avanzamento/High feed	ap max 1 mm	●	
ANGX 10T308 MM BO MS30-3P	■	M S	4	Alto avanzamento/High feed	ap max 1 mm	●	
ANGX 10T308 MM BO MM30-3P	■	M S	4	Alto avanzamento/High feed	ap max 1 mm	●	
ANGX 10T308 R BO PH10-3P	■	P H	4	Alto avanzamento/High feed	ap max 1 mm	●	
ANGX 10T308 R BO PM15-2P	■	P	4	Alto avanzamento/High feed	ap max 1 mm	●	
ANGX 10T308 R BO PM30-3P	■	P M	4	Alto avanzamento/High feed	ap max 1 mm	●	
ANHX 10T320 F BO PH10-3P	■	P H	2	Finitura /Finishing	ap max 3 mm	●	
ANHX 10T320 F BO PM30-3P	■	P M	2	Finitura/Finishing	ap max 3 mm	●	

● Stock Italia/Warehouse in Italy

○ Stock Estero/Warehouse abroad

INFORMAZIONI TECNICHE/TECHNICAL INFORMATION

GRADI/GRADES

BO PH10-3P Acciai al carbonio ad alte Vc. In condizioni stabili, ghise grigie e sferoidali Riv. PVD.

Carbon steel with high Vc. Cast iron and ductile iron on stable conditions. PVD coating.

BO PM15-2P Acciai al carbonio a medie Vc. In condizioni stabili, ghise grigie e sferoidali Riv. PVD.

Carbon steel with medium Vc. Cast iron and ductile iron on stable conditions. PVD coating.

BO PM25-3C Acciai al carbonio. Riv. CVD/ Carbon steel. CVD Coating.

BO PM30-3P Acciai al carbonio e inox. Riv. PVD/ Carbon steel and Stainless steel. PVD Coating.

BO PM40-3P Acciai al carbonio e inox. Riv. PVD/ Carbon steel and Stainless steel PVD Coating.

BO MS30-3P Prima scelta per inox riv. PVD (alto spessore)/ First choice for Stainless steel PVD coating. (high thickness)

BO MM30-3P Prima scelta per inox riv. PVD (spessore standard)/ First choice for Stainless steel PVD coating. (standard thickness)

GEOMETRIE/GEOMETRIES

Range conditions **ANHX 10T320 F** fz 0.05 – 0.15 mm/rev

Range conditions **ANGX 10T308 M** fz 0.20 – 1.40 mm/rev

Range conditions **ANGX 10T308 MM** fz 0.25 – 1.10 mm/rev

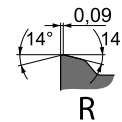
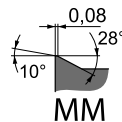
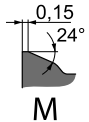
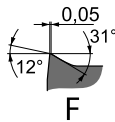
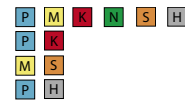
Range conditions **ANGX 10T308 R** fz 0.10 – 1.0 mm/rev

ap 0.1 – 3.0 mm

ap 0.3 – 1.0 mm

ap 0.3 – 1.0 mm

ap 0.1 – 1.0 mm

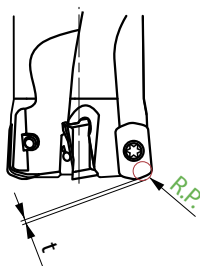


Velocità di taglio in metri minuto/Cutting speed in metres/minute

MATERIALE/ MATERIAL	PH10-3P	PM15-2P	PM25-3C	PM30-3P	PM40-3P	MS30-3P/ MM30-3P
Acciaio dolce/Mild steel	260	250	280	240	220	200
Acciaio legato/Alloy steel	240	230	270	220	200	180
Acciaio per stampi-utensili Steel for dies-tools	200	190	230	180	170	160
Acciaio temprato 45/55 HRC Hardened steel 45/55 HRC	100	90	80	80	-	-
Inox/Stainless steel	100	110	110/220	110/220	100/200	110/220
Duplex, leghe titanio, inconel 625 Duplex steel, titanium alloys, Inconel 625	60	-	-	70	-	75
Ghisa/Cast iron	200	200	-	180	-	-

Le velocità di taglio elevate prediligono la lavorazione a secco. The high cutting speeds work best with dry machining.

CODICE CODE	Raggio di programmazione R.P.	t	D del piano fresato	Prof. di lavoro Ap	Av. fz. consigliati
ANGX 10T308	1,60	0,44	D fresa -mm. 5	mm. 0,30-1,00	Fz. 0,2-1,4
ANHX 10T320	2,00	-	D fresa -mm. 4	mm. 0,10-2,80 finiture	Fz. 0,06-0,15



Ø Apertura fori in interpolazione

D	d _{min}	d _{max}	Ap _{max}
16	22,4	31,80	0,5
18	25,4	35,80	0,5
20	29,4	39,80	0,5
25	39,4	49,80	0,5
28	45,4	55,80	0,5
32	53,4	63,80	0,5
35	59,4	69,80	0,5
40	69,4	79,80	0,5
42	73,4	83,80	0,5
50	89,4	99,8	0,5
52	93,4	103,8	0,5

Discesa in rampa ANGX 10T3..

D	Gradi
16	4,0
18	4,0
20	4,0
25	2,8
28	2,3
32	1,9
35	1,7
40	1,3
42	1,3
50	1,0
52	1,0

Discesa in rampa ANHX 10T3..

D	Gradi
16	1,6
18	1,3
20	1,1
25	0,8
28	0,7
32	0,5
35	0,5
40	0,4
42	0,4
50	0,3
52	0,3



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Sito



Contatti

