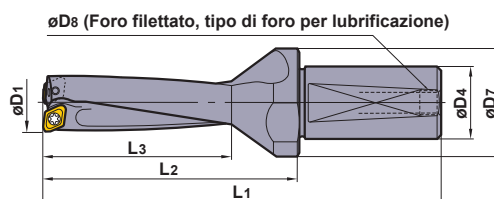
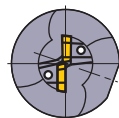


FORATURA (DI TIPO INTERCAMBIABILE)

TAFS, TAFM, TAFL

- Portautensili ad elevata rigidità.
- Inserto con uso di 4 spigoli.
- Vari gradi e rompitrucioli.

Acciaio al carbonio Acciaio legato	Acciaio temprato	Acciaio inossidabile	Ghisa	Lega leggera	Lega resistente al calore
++		++	++		



* Il foro filettato sulla flangia della punta, non è un foro per il refrigerante.

Diametro della punta D1 (mm)	Profondità foro (l/d)	Codice di ordinazione	Disponibilità	Numero di denti	Dimensioni (mm)						Codice inserto		
					D4	D7	D8	L1	L2	L3		Vite di fissaggio	Chiave
12.0	2	TAFS1200F20	●	2	20	25	PT1/8	82	39	29	GCMT040204-U	TS2	TKY06F
	3	TAFM1200F20	●	2	20	25	PT1/8	94	51	41	GCMT040204-U	TS2	TKY06F
	4	TAFL1200F20	●	2	20	25	PT1/8	106	63	53	GCMT040204-U	TS2	TKY06F
12.5	2	TAFS1250F20	●	2	20	25	PT1/8	82	39	29	GCMT040204-U	TS2	TKY06F
	3	TAFM1250F20	●	2	20	25	PT1/8	94	51	41	GCMT040204-U	TS2	TKY06F
	4	TAFL1250F20	●	2	20	25	PT1/8	106	63	53	GCMT040204-U	TS2	TKY06F
13.0	2	TAFS1300F20	●	2	20	25	PT1/8	84	41	31	GCMT040204-U	TS2	TKY06F
	3	TAFM1300F20	●	2	20	25	PT1/8	97	54	44	GCMT040204-U	TS2	TKY06F
	4	TAFL1300F20	●	2	20	25	PT1/8	110	67	57	GCMT040204-U	TS2	TKY06F
13.5	2	TAFS1350F20	●	2	20	25	PT1/8	84	41	31	GCMT040204-U	TS2	TKY06F
	3	TAFM1350F20	●	2	20	25	PT1/8	97	54	44	GCMT040204-U	TS2	TKY06F
	4	TAFL1350F20	●	2	20	25	PT1/8	110	67	57	GCMT040204-U	TS2	TKY06F
14.0	2	TAFS1400F20	●	2	20	25	PT1/8	86	43	33	GCMT040204-U	TS2	TKY06F
	3	TAFM1400F20	●	2	20	25	PT1/8	100	57	47	GCMT040204-U	TS2	TKY06F
	4	TAFL1400F20	●	2	20	25	PT1/8	114	71	61	GCMT040204-U	TS2	TKY06F
14.5	2	TAFS1450F20	●	2	20	25	PT1/8	86	43	33	GCMT040204-U	TS2	TKY06F
	3	TAFM1450F20	●	2	20	25	PT1/8	100	57	47	GCMT040204-U	TS2	TKY06F
	4	TAFL1450F20	●	2	20	25	PT1/8	114	71	61	GCMT040204-U	TS2	TKY06F
15.0	2	TAFS1500F20	●	2	20	25	PT1/8	88	45	35	GPMT060204-U	TS2	TKY06F
	3	TAFM1500F20	●	2	20	25	PT1/8	103	60	50	GPMT060204-U	TS2	TKY06F
	4	TAFL1500F20	●	2	20	25	PT1/8	118	75	65	GPMT060204-U	TS2	TKY06F
15.5	2	TAFS1550F20	●	2	20	25	PT1/8	88	45	35	GPMT060204-U	TS2	TKY06F
	3	TAFM1550F20	●	2	20	25	PT1/8	103	60	50	GPMT060204-U	TS2	TKY06F
	4	TAFL1550F20	●	2	20	25	PT1/8	118	75	65	GPMT060204-U	TS2	TKY06F
16.0	2	TAFS1600F25	●	2	25	35	PT1/8	107	57	38	GPMT060204-U	TS2	TKY06F
	3	TAFM1600F25	●	2	25	35	PT1/8	123	73	54	GPMT060204-U	TS2	TKY06F
	4	TAFL1600F25	●	2	25	35	PT1/8	139	89	70	GPMT060204-U	TS2	TKY06F
16.5	2	TAFS1650F25	●	2	25	35	PT1/8	107	57	38	GPMT060204-U	TS2	TKY06F
	3	TAFM1650F25	●	2	25	35	PT1/8	123	73	54	GPMT060204-U	TS2	TKY06F
17.0	2	TAFS1700F25	●	2	25	35	PT1/8	109	59	41	GPMT060204-U	TS2	TKY06F
	3	TAFM1700F25	●	2	25	35	PT1/8	126	76	58	GPMT060204-U	TS2	TKY06F
	4	TAFL1700F25	●	2	25	35	PT1/8	143	93	75	GPMT060204-U	TS2	TKY06F
17.5	2	TAFS1750F25	●	2	25	35	PT1/8	109	59	41	GPMT060204-U	TS2	TKY06F
	3	TAFM1750F25	●	2	25	35	PT1/8	126	76	58	GPMT060204-U	TS2	TKY06F
	4	TAFL1750F25	●	2	25	35	PT1/8	143	93	75	GPMT060204-U	TS2	TKY06F

● : Inventario mantenuto.

Diametro della punta D1 (mm)	Profondità foro (l/d)	Codice di ordinazione	Disponibilità	Numero di denti	Dimensioni (mm)						Codice inserto		
					D4	D7	D8	L1	L2	L3		Vite di fissaggio	Chiave
18.0	2	TAFS1800F25	●	2	25	35	PT1/8	111	61	43	GPMT070204-U	TS25	TKY08F
	3	TAFM1800F25	●	2	25	35	PT1/8	129	79	61	GPMT070204-U	TS25	TKY08F
	4	TAFL1800F25	●	2	25	35	PT1/8	147	97	79	GPMT070204-U	TS25	TKY08F
18.5	2	TAFS1850F25	●	2	25	35	PT1/8	111	61	43	GPMT070204-U	TS25	TKY08F
	3	TAFM1850F25	●	2	25	35	PT1/8	129	79	61	GPMT070204-U	TS25	TKY08F
19.0	2	TAFS1900F25	●	2	25	35	PT1/8	113	63	46	GPMT070204-U	TS25	TKY08F
	3	TAFM1900F25	●	2	25	35	PT1/8	132	82	65	GPMT070204-U	TS25	TKY08F
	4	TAFL1900F25	●	2	25	35	PT1/8	151	101	84	GPMT070204-U	TS25	TKY08F
19.5	2	TAFS1950F25	●	2	25	35	PT1/8	113	63	46	GPMT070204-U	TS25	TKY08F
	3	TAFM1950F25	●	2	25	35	PT1/8	132	82	65	GPMT070204-U	TS25	TKY08F
20.0	2	TAFS2000F25	●	2	25	35	PT1/8	115	65	48	GPMT070204-U	TS25	TKY08F
	3	TAFM2000F25	●	2	25	35	PT1/8	135	85	68	GPMT070204-U	TS25	TKY08F
	4	TAFL2000F25	●	2	25	35	PT1/8	155	105	88	GPMT070204-U	TS25	TKY08F
20.5	2	TAFS2050F25	●	2	25	35	PT1/8	115	65	48	GPMT070204-U	TS25	TKY08F
	3	TAFM2050F25	●	2	25	35	PT1/8	135	85	68	GPMT070204-U	TS25	TKY08F
21.0	2	TAFS2100F25	●	2	25	35	PT1/8	117	67	50	GPMT070204-U	TS25	TKY08F
	3	TAFM2100F25	●	2	25	35	PT1/8	138	88	71	GPMT070204-U	TS25	TKY08F
	4	TAFL2100F25	●	2	25	35	PT1/8	159	109	92	GPMT070204-U	TS25	TKY08F
21.5	2	TAFS2150F25	●	2	25	35	PT1/8	117	67	50	GPMT070204-U	TS25	TKY08F
	3	TAFM2150F25	●	2	25	35	PT1/8	138	88	71	GPMT070204-U	TS25	TKY08F
22.0	2	TAFS2200F25	●	2	25	35	PT1/8	119	69	53	GPMT070204-U	TS25	TKY08F
	3	TAFM2200F25	●	2	25	35	PT1/8	141	91	75	GPMT070204-U	TS25	TKY08F
	4	TAFL2200F25	●	2	25	35	PT1/8	163	113	97	GPMT070204-U	TS25	TKY08F
22.5	2	TAFS2250F25	●	2	25	35	PT1/8	119	69	53	GPMT070204-U	TS25	TKY08F
	3	TAFM2250F25	●	2	25	35	PT1/8	141	91	75	GPMT070204-U	TS25	TKY08F
23.0	2	TAFS2300F25	●	2	25	35	PT1/8	121	71	55	GPMT090304-U	TS3	TKY08F
	3	TAFM2300F25	●	2	25	35	PT1/8	144	94	78	GPMT090304-U	TS3	TKY08F
	4	TAFL2300F25	●	2	25	35	PT1/8	167	117	101	GPMT090304-U	TS3	TKY08F
23.5	2	TAFS2350F25	●	2	25	35	PT1/8	121	71	55	GPMT090304-U	TS3	TKY08F
	3	TAFM2350F25	●	2	25	35	PT1/8	144	94	78	GPMT090304-U	TS3	TKY08F
	4	TAFL2350F25	●	2	25	35	PT1/8	167	117	101	GPMT090304-U	TS3	TKY08F
24.0	2	TAFS2400F25	●	2	25	35	PT1/8	123	73	58	GPMT090304-U	TS3	TKY08F
	3	TAFM2400F25	●	2	25	35	PT1/8	147	97	82	GPMT090304-U	TS3	TKY08F
	4	TAFL2400F25	●	2	25	35	PT1/8	171	121	106	GPMT090304-U	TS3	TKY08F
24.5	2	TAFS2450F25	●	2	25	35	PT1/8	123	73	58	GPMT090304-U	TS3	TKY08F
	3	TAFM2450F25	●	2	25	35	PT1/8	147	97	82	GPMT090304-U	TS3	TKY08F
25.0	2	TAFS2500F32	●	2	32	42	PT1/8	130	75	60	GPMT090304-U	TS3	TKY08F
	3	TAFM2500F32	●	2	32	42	PT1/8	155	100	85	GPMT090304-U	TS3	TKY08F
	4	TAFL2500F25	●	2	25	35	PT1/8	180	125	110	GPMT090304-U	TS3	TKY08F
	4	TAFL2500F32	●	2	32	42	PT1/8	180	125	110	GPMT090304-U	TS3	TKY08F
25.5	2	TAFS2550F32	●	2	32	42	PT1/8	130	75	60	GPMT090304-U	TS3	TKY08F
	3	TAFM2550F32	●	2	32	42	PT1/8	155	100	85	GPMT090304-U	TS3	TKY08F
26.0	2	TAFS2600F32	●	2	32	42	PT1/8	132	77	62	GPMT090304-U	TS3	TKY08F
	3	TAFM2600F32	●	2	32	42	PT1/8	158	103	88	GPMT090304-U	TS3	TKY08F
	4	TAFL2600F32	●	2	32	42	PT1/8	184	129	114	GPMT090304-U	TS3	TKY08F
26.5	2	TAFS2650F32	●	2	32	42	PT1/8	132	77	62	GPMT090304-U	TS3	TKY08F
	3	TAFM2650F32	●	2	32	42	PT1/8	158	103	88	GPMT090304-U	TS3	TKY08F
	4	TAFL2650F32	●	2	32	42	PT1/8	184	129	114	GPMT090304-U	TS3	TKY08F

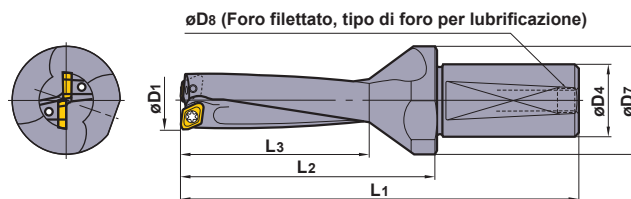


FORATURA (DI TIPO INTERCAMBIABILE)

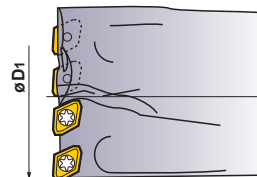
TAFS, TAFM, TAFL

- Portautensili ad elevata rigidità.
- Inserto con uso di 4 spigoli.
- Vari gradi e rompitruccioli.

Acciaio al carbonio Acciaio legato	Acciaio temprato	Acciaio inossidabile	Ghisa	Lega leggera	Lega resistente al calore
++		++	++		



øD8 (Foro filettato, tipo di foro per lubrificazione)



Numero di denti = 4 (øD1 ≥ 49)

* Il foro filettato sulla flangia della punta, non è un foro per il refrigerante.

Diametro della punta D1 (mm)	Profondità foro (l/d)	Codice di ordinazione	Disponibilità	Numero di denti	Dimensioni (mm)						Codice inserto	Vite di fissaggio	Chiave
					D4	D7	D8	L1	L2	L3			
27.0	2	TAFS2700F32	●	2	32	42	PT1/8	134	79	65	GPMT090304-U	TS3	①TKY08F
	3	TAFM2700F32	●	2	32	42	PT1/8	161	106	92	GPMT090304-U	TS3	①TKY08F
	4	TAFL2700F32	●	2	32	42	PT1/8	188	133	119	GPMT090304-U	TS3	①TKY08F
27.5	2	TAFS2750F32	●	2	32	42	PT1/8	134	79	65	GPMT090304-U	TS3	①TKY08F
	3	TAFM2750F32	●	2	32	42	PT1/8	161	106	92	GPMT090304-U	TS3	①TKY08F
28.0	2	TAFS2800F32	●	2	32	42	PT1/8	136	81	67	GPMT11T308-U	TS4	②TKY15D
	3	TAFM2800F32	●	2	32	42	PT1/8	164	109	95	GPMT11T308-U	TS4	②TKY15D
	4	TAFL2800F32	●	2	32	42	PT1/8	192	137	123	GPMT11T308-U	TS4	②TKY15D
28.5	2	TAFS2850F32	●	2	32	42	PT1/8	136	81	67	GPMT11T308-U	TS4	②TKY15D
	3	TAFM2850F32	●	2	32	42	PT1/8	164	109	95	GPMT11T308-U	TS4	②TKY15D
	4	TAFL2850F40	●	2	40	50	PT1/8	202	137	123	GPMT11T308-U	TS4	②TKY15D
29.0	2	TAFS2900F32	●	2	32	42	PT1/8	138	83	70	GPMT11T308-U	TS4	②TKY15D
	3	TAFM2900F32	●	2	32	42	PT1/8	167	112	99	GPMT11T308-U	TS4	②TKY15D
	4	TAFL2900F32	●	2	32	42	PT1/8	196	141	128	GPMT11T308-U	TS4	②TKY15D
29.5	2	TAFS2950F32	●	2	32	42	PT1/8	138	83	70	GPMT11T308-U	TS4	②TKY15D
	3	TAFM2950F32	●	2	32	42	PT1/8	167	112	99	GPMT11T308-U	TS4	②TKY15D
30.0	2	TAFS3000F32	●	2	32	50	PT1/8	145	90	72	GPMT11T308-U	TS4	②TKY15D
	2	TAFS3000F40	●	2	40	50	PT1/4	155	90	72	GPMT11T308-U	TS4	②TKY15D
	3	TAFM3000F32	●	2	32	50	PT1/8	175	120	102	GPMT11T308-U	TS4	②TKY15D
	3	TAFM3000F40	●	2	40	50	PT1/4	185	120	102	GPMT11T308-U	TS4	②TKY15D
	4	TAFL3000F32	●	2	32	42	PT1/8	205	150	132	GPMT11T308-U	TS4	②TKY15D
	4	TAFL3000F40	●	2	40	50	PT1/4	215	150	132	GPMT11T308-U	TS4	②TKY15D
30.5	2	TAFS3050F40	●	2	40	50	PT1/4	155	90	72	GPMT11T308-U	TS4	②TKY15D
	3	TAFM3050F40	●	2	40	50	PT1/4	185	120	102	GPMT11T308-U	TS4	②TKY15D
31.0	2	TAFS3100F32	●	2	32	50	PT1/8	147	92	74	GPMT11T308-U	TS4	②TKY15D
	2	TAFS3100F40	●	2	40	50	PT1/4	157	92	74	GPMT11T308-U	TS4	②TKY15D
	3	TAFM3100F32	●	2	32	50	PT1/8	178	123	105	GPMT11T308-U	TS4	②TKY15D
	3	TAFM3100F40	●	2	40	50	PT1/4	188	123	105	GPMT11T308-U	TS4	②TKY15D
	4	TAFL3100F32	●	2	32	42	PT1/8	209	154	136	GPMT11T308-U	TS4	②TKY15D
	4	TAFL3100F40	●	2	40	50	PT1/4	219	154	136	GPMT11T308-U	TS4	②TKY15D

● : Inventario mantenuto.

Diametro della punta D1 (mm)	Profondità foro (l/d)	Codice di ordinazione	Disponibilità	Numero di denti	Dimensioni (mm)						Codice inserto		
					D4	D7	D8	L1	L2	L3		Vite di fissaggio	Chiave
32.0	2	TAFS3200F32	●	2	32	50	PT1/8	149	94	77	GPMT11T308-U	TS4	TKY15D
	2	TAFS3200F40	●	2	40	50	PT1/4	159	94	77	GPMT11T308-U	TS4	TKY15D
	3	TAFM3200F32	●	2	32	50	PT1/8	181	126	109	GPMT11T308-U	TS4	TKY15D
	3	TAFM3200F40	●	2	40	50	PT1/4	191	126	109	GPMT11T308-U	TS4	TKY15D
	4	TAFL3200F32	●	2	32	42	PT1/8	213	158	141	GPMT11T308-U	TS4	TKY15D
	4	TAFL3200F40	●	2	40	50	PT1/4	223	158	141	GPMT11T308-U	TS4	TKY15D
33.0	2	TAFS3300F32	●	2	32	50	PT1/8	151	96	79	GPMT11T308-U	TS4	TKY15D
	2	TAFS3300F40	●	2	40	50	PT1/4	161	96	79	GPMT11T308-U	TS4	TKY15D
	3	TAFM3300F32	●	2	32	50	PT1/8	184	129	112	GPMT11T308-U	TS4	TKY15D
	3	TAFM3300F40	●	2	40	50	PT1/4	194	129	112	GPMT11T308-U	TS4	TKY15D
	4	TAFL3300F32	●	2	32	42	PT1/8	217	162	145	GPMT11T308-U	TS4	TKY15D
	4	TAFL3300F40	●	2	40	50	PT1/4	227	162	145	GPMT11T308-U	TS4	TKY15D
34.0	2	TAFS3400F32	●	2	32	50	PT1/8	153	98	82	GPMT11T308-U	TS4	TKY15D
	2	TAFS3400F40	●	2	40	50	PT1/4	163	98	82	GPMT11T308-U	TS4	TKY15D
	3	TAFM3400F32	●	2	32	50	PT1/8	187	132	116	GPMT11T308-U	TS4	TKY15D
	3	TAFM3400F40	●	2	40	50	PT1/4	197	132	116	GPMT11T308-U	TS4	TKY15D
	4	TAFL3400F32	●	2	32	42	PT1/8	231	166	150	GPMT11T308-U	TS4	TKY15D
	4	TAFL3400F40	●	2	40	50	PT1/4	231	166	150	GPMT11T308-U	TS4	TKY15D
35.0	2	TAFS3500F32	●	2	32	50	PT1/8	155	100	84	GPMT140408-U	TS55	TKY25D
	2	TAFS3500F40	●	2	40	50	PT1/4	165	100	84	GPMT140408-U	TS55	TKY25D
	3	TAFM3500F32	●	2	32	50	PT1/8	190	135	119	GPMT140408-U	TS55	TKY25D
	3	TAFM3500F40	●	2	40	50	PT1/4	200	135	119	GPMT140408-U	TS55	TKY25D
	4	TAFL3500F32	●	2	32	42	PT1/8	235	170	154	GPMT140408-U	TS5	TKY25D
	4	TAFL3500F40	●	2	40	50	PT1/4	235	170	154	GPMT140408-U	TS5	TKY25D
36.0	2	TAFS3600F32	●	2	32	50	PT1/8	157	102	86	GPMT140408-U	TS55	TKY25D
	2	TAFS3600F40	●	2	40	50	PT1/4	167	102	86	GPMT140408-U	TS55	TKY25D
	3	TAFM3600F32	●	2	32	50	PT1/8	193	138	122	GPMT140408-U	TS55	TKY25D
	3	TAFM3600F40	●	2	40	50	PT1/4	203	138	122	GPMT140408-U	TS55	TKY25D
	4	TAFL3600F32	●	2	32	42	PT1/8	229	174	158	GPMT140408-U	TS5	TKY25D
	4	TAFL3600F40	●	2	40	50	PT1/4	239	174	158	GPMT140408-U	TS5	TKY25D
37.0	2	TAFS3700F32	●	2	32	50	PT1/8	159	104	89	GPMT140408-U	TS55	TKY25D
	2	TAFS3700F40	●	2	40	50	PT1/4	169	104	89	GPMT140408-U	TS55	TKY25D
	3	TAFM3700F32	●	2	32	50	PT1/8	196	141	126	GPMT140408-U	TS55	TKY25D
	3	TAFM3700F40	●	2	40	50	PT1/4	206	141	126	GPMT140408-U	TS55	TKY25D
	4	TAFL3700F32	●	2	32	42	PT1/8	233	178	163	GPMT140408-U	TS5	TKY25D
	4	TAFL3700F40	●	2	40	50	PT1/4	243	178	163	GPMT140408-U	TS5	TKY25D
37.5	2	TAFS3750F32	●	2	32	50	PT1/8	159	104	89	GPMT140408-U	TS55	TKY25D
	2	TAFS3750F40	●	2	40	50	PT1/4	169	104	89	GPMT140408-U	TS55	TKY25D
	3	TAFM3750F32	●	2	32	50	PT1/8	196	141	126	GPMT140408-U	TS55	TKY25D
	3	TAFM3750F40	●	2	40	50	PT1/4	206	141	126	GPMT140408-U	TS55	TKY25D
	4	TAFL3750F32	●	2	32	42	PT1/8	233	178	163	GPMT140408-U	TS5	TKY25D
	4	TAFL3750F40	●	2	40	50	PT1/4	243	178	163	GPMT140408-U	TS5	TKY25D
38.0	2	TAFS3800F32	●	2	32	50	PT1/8	161	106	91	GPMT140408-U	TS55	TKY25D
	2	TAFS3800F40	●	2	40	50	PT1/4	171	106	91	GPMT140408-U	TS55	TKY25D
	3	TAFM3800F32	●	2	32	50	PT1/8	199	144	129	GPMT140408-U	TS55	TKY25D
	3	TAFM3800F40	●	2	40	50	PT1/4	209	144	129	GPMT140408-U	TS55	TKY25D
	4	TAFL3800F32	●	2	32	42	PT1/8	247	182	167	GPMT140408-U	TS5	TKY25D
	4	TAFL3800F40	●	2	40	50	PT1/4	247	182	167	GPMT140408-U	TS5	TKY25D

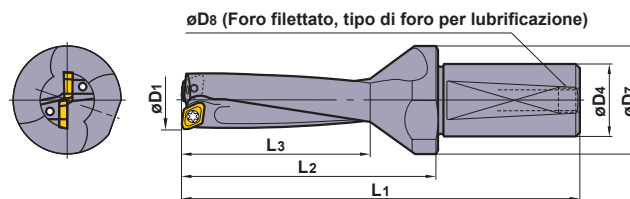


FORATURA (DI TIPO INTERCAMBIABILE)

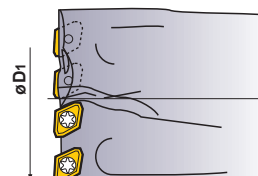
TAFS, TAFM, TAFL

- Portautensili ad elevata rigidità.
- Inserto con uso di 4 spigoli.
- Vari gradi e rompitrucoli.

Acciaio al carbonio Acciaio legato	Acciaio temprato	Acciaio inossidabile	Ghisa	Lega leggera	Lega resistente al calore
++		++	++		



øD8 (Foro filettato, tipo di foro per lubrificazione)



Numero di denti = 4 (øD1 ≥ 49)

* Il foro filettato sulla flangia della punta, non è un foro per il refrigerante.

Diametro della punta D1 (mm)	Profondità foro (l/d)	Codice di ordinazione	Disponibilità	Numero di denti	Dimensioni (mm)						Codice inserto		
					D4	D7	D8	L1	L2	L3		Vite di fissaggio	Chiave
39.0	2	TAFS3900F32	●	2	32	50	PT1/8	163	108	94	GPMT140408-U	TS55	TKY25D
	2	TAFS3900F40	●	2	40	50	PT1/4	173	108	94	GPMT140408-U	TS55	TKY25D
	3	TAFM3900F32	●	2	32	50	PT1/8	202	147	133	GPMT140408-U	TS55	TKY25D
	3	TAFM3900F40	●	2	40	50	PT1/4	212	147	133	GPMT140408-U	TS55	TKY25D
	4	TAFL3900F32	●	2	32	42	PT1/8	251	186	172	GPMT140408-U	TS5	TKY25D
	4	TAFL3900F40	●	2	40	50	PT1/4	251	186	172	GPMT140408-U	TS5	TKY25D
40.0	2	TAFS4000F32	●	2	32	50	PT1/8	165	110	96	GPMT140408-U	TS55	TKY25D
	2	TAFS4000F40	●	2	40	50	PT1/4	175	110	96	GPMT140408-U	TS55	TKY25D
	3	TAFM4000F32	●	2	32	50	PT1/8	205	150	136	GPMT140408-U	TS55	TKY25D
	3	TAFM4000F40	●	2	40	50	PT1/4	215	150	136	GPMT140408-U	TS55	TKY25D
	4	TAFL4000F32	●	2	32	42	PT1/8	245	190	176	GPMT140408-U	TS5	TKY25D
	4	TAFL4000F40	●	2	40	50	PT1/4	255	190	176	GPMT140408-U	TS5	TKY25D
41.0	2	TAFS4100F40	●	2	40	50	PT1/4	177	112	98	GPMT140408-U	TS55	TKY25D
	3	TAFM4100F40	●	2	40	50	PT1/4	218	153	139	GPMT140408-U	TS55	TKY25D
	4	TAFL4100F40	●	2	40	50	PT1/4	259	194	180	GPMT140408-U	TS5	TKY25D
42.0	2	TAFS4200F40	●	2	40	50	PT1/4	179	114	101	GPMT140408-U	TS55	TKY25D
	3	TAFM4200F40	●	2	40	50	PT1/4	221	156	143	GPMT140408-U	TS55	TKY25D
	4	TAFL4200F40	●	2	40	50	PT1/4	263	198	185	GPMT140408-U	TS5	TKY25D
43.0	2	TAFS4300F40	●	2	40	50	PT1/4	181	116	103	GPMT140408-U	TS55	TKY25D
	3	TAFM4300F40	●	2	40	50	PT1/4	224	159	146	GPMT140408-U	TS55	TKY25D
	4	TAFL4300F40	●	2	40	50	PT1/4	267	202	189	GPMT140408-U	TS5	TKY25D
44.0	2	TAFS4400F40	●	2	40	50	PT1/4	183	118	106	GPMT140408-U	TS55	TKY25D
	3	TAFM4400F40	●	2	40	50	PT1/4	227	162	150	GPMT140408-U	TS55	TKY25D
	4	TAFL4400F40	●	2	40	50	PT1/4	271	206	194	GPMT140408-U	TS5	TKY25D
45.0	2	TAFS4500F40	●	2	40	54	PT1/4	185	120	108	GPMT140408-U	TS55	TKY25D
	3	TAFM4500F40	●	2	40	54	PT1/4	230	165	153	GPMT140408-U	TS55	TKY25D
	4	TAFL4500F40	●	2	40	54	PT1/4	275	210	198	GPMT140408-U	TS5	TKY25D
46.0	2	TAFS4600F40	●	2	40	54	PT1/4	187	122	110	GPMT140408-U	TS55	TKY25D
	3	TAFM4600F40	●	2	40	54	PT1/4	233	168	156	GPMT140408-U	TS55	TKY25D
	4	TAFL4600F40	●	2	40	54	PT1/4	279	214	202	GPMT140408-U	TS5	TKY25D

● : Inventario mantenuto.

▲ : Inventario mantenuto. Da sostituire con nuovi prodotti.

Diametro della punta D1 (mm)	Profondità foro (l/d)	Codice di ordinazione	Disponibilità	Numero di denti	Dimensioni (mm)						Codice inserto		
					D4	D7	D8	L1	L2	L3		Vite di fissaggio	Chiave
47.0	2	TAFS4700F40	●	2	40	54	PT1/4	189	124	113	GPMT140408-U	TS55	②TKY25D
	3	TAFM4700F40	●	2	40	54	PT1/4	236	171	160	GPMT140408-U	TS55	②TKY25D
	4	TAFL4700F40	●	2	40	54	PT1/4	283	218	207	GPMT140408-U	TS5	②TKY25D
48.0	2	TAFS4800F40	●	2	40	54	PT1/4	191	126	115	GPMT140408-U	TS55	②TKY25D
	3	TAFM4800F40	●	2	40	54	PT1/4	239	174	163	GPMT140408-U	TS55	②TKY25D
	4	TAFL4800F40	●	2	40	54	PT1/4	287	222	211	GPMT140408-U	TS5	②TKY25D
49.0	2	TAFS4900F40	●	4	40	58	PT1/4	198	133	118	GPMT090304-U	TS3	①TKY08F
	3	TAFM4900F40	●	4	40	58	PT1/4	247	182	167	GPMT090304-U	TS3	①TKY08F
	4	TAFL4900F40	●	4	40	58	PT1/4	296	231	216	GPMT090304-U	TS3	①TKY08F
50.0	2	TAFS5000F40	▲*	4	40	58	PT1/4	200	135	120	GPMT090304-U	TS3	①TKY08F
	3	TAFM5000F40	▲*	4	40	58	PT1/4	250	185	170	GPMT090304-U	TS3	①TKY08F
	4	TAFL5000F40	▲*	4	40	58	PT1/4	300	235	220	GPMT090304-U	TS3	①TKY08F
51.0	2	TAFS5100F40	▲*	4	40	58	PT1/4	202	137	122	GPMT090304-U	TS3	①TKY08F
	3	TAFM5100F40	▲*	4	40	58	PT1/4	253	188	173	GPMT090304-U	TS3	①TKY08F
	4	TAFL5100F40	▲*	4	40	58	PT1/4	304	239	224	GPMT090304-U	TS3	①TKY08F
52.0	2	TAFS5200F40	▲*	4	40	58	PT1/4	204	139	125	GPMT090304-U	TS3	①TKY08F
	3	TAFM5200F40	▲*	4	40	58	PT1/4	256	191	177	GPMT090304-U	TS3	①TKY08F
	4	TAFL5200F40	▲*	4	40	58	PT1/4	308	243	229	GPMT090304-U	TS3	①TKY08F
53.0	2	TAFS5300F40	▲*	4	40	63	PT1/4	206	141	127	GPMT090304-U	TS3	①TKY08F
	3	TAFM5300F40	▲*	4	40	63	PT1/4	259	194	180	GPMT090304-U	TS3	①TKY08F
	4	TAFL5300F40	▲*	4	40	63	PT1/4	312	247	233	GPMT090304-U	TS3	①TKY08F
54.0	2	TAFS5400F40	▲*	4	40	63	PT1/4	208	143	128	GPMT090304-U	TS3	①TKY08F
	3	TAFM5400F40	▲*	4	40	63	PT1/4	262	197	182	GPMT090304-U	TS3	①TKY08F
	4	TAFL5400F40	▲*	4	40	63	PT1/4	316	251	236	GPMT090304-U	TS3	①TKY08F
55.0	2	TAFS5500F40	▲*	4	40	63	PT1/4	210	145	130	GPMT090304-U	TS3	①TKY08F
	3	TAFM5500F40	▲*	4	40	63	PT1/4	265	200	185	GPMT090304-U	TS3	①TKY08F
	4	TAFL5500F40	▲*	4	40	63	PT1/4	320	255	240	GPMT090304-U	TS3	①TKY08F
56.0	2	TAFS5600F40	▲*	4	40	63	PT1/4	212	147	132	GPMT090304-U	TS3	①TKY08F
	3	TAFM5600F40	▲*	4	40	63	PT1/4	268	203	188	GPMT090304-U	TS3	①TKY08F
	4	TAFL5600F40	▲*	4	40	63	PT1/4	324	259	244	GPMT090304-U	TS3	①TKY08F

(Nota) * I prodotti con asterisco (*) saranno sostituiti dai prodotti a pagina L144.

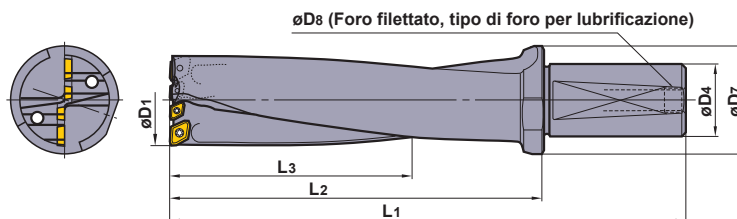
FORATURA (DI TIPO INTERCAMBIABILE)

TAFS, TAFM, TAFL

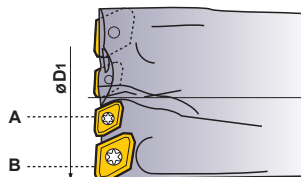
- Portautensili ad elevata rigidità.
- Inserto con uso di 4 spigoli.
- Vari gradi e rompitrucoli.

Acciaio al carbonio Acciaio legato	Acciaio temprato	Acciaio inossidabile	Ghisa	Lega leggera	Lega resistente al calore
++		++	++		

● Aumentata la rigidità



* Il foro filettato sulla flangia della punta, non è un foro per il refrigerante.



Diametro della punta D1 (mm)	Profondità foro (l/d)	Codice di ordinazione	Disponibilità	Numero di denti	Dimensioni (mm)							Codice inserto		
					D4	D7	D8	L1	L2	L3			Vite di fissaggio	Chiave
50.0	2	TAFS5000F40-E	●	4	40	58	PT1/4	200	135	120	A B	GPMT090304-U GPMT11T308-U	TS3 TS4	①TKY08F ②TKY15D
	3	TAFM5000F40-E	●	4	40	58	PT1/4	250	185	170	A B	GPMT090304-U GPMT11T308-U	TS3 TS4	①TKY08F ②TKY15D
	4	TAFL5000F40-E	●	4	40	58	PT1/4	300	235	220	A B	GPMT090304-U GPMT11T308-U	TS3 TS4	①TKY08F ②TKY15D
	2	TAFS5100F40-E	●	4	40	58	PT1/4	202	137	122	A B	GPMT090304-U GPMT11T308-U	TS3 TS4	①TKY08F ②TKY15D
	3	TAFM5100F40-E	●	4	40	58	PT1/4	253	188	173	A B	GPMT090304-U GPMT11T308-U	TS3 TS4	①TKY08F ②TKY15D
	4	TAFL5100F40-E	●	4	40	58	PT1/4	304	239	224	A B	GPMT090304-U GPMT11T308-U	TS3 TS4	①TKY08F ②TKY15D
52.0	2	TAFS5200F40-E	●	4	40	58	PT1/4	204	139	125	A B	GPMT090304-U GPMT11T308-U	TS3 TS4	①TKY08F ②TKY15D
	3	TAFM5200F40-E	●	4	40	58	PT1/4	256	191	177	A B	GPMT090304-U GPMT11T308-U	TS3 TS4	①TKY08F ②TKY15D
	4	TAFL5200F40-E	●	4	40	58	PT1/4	308	243	229	A B	GPMT090304-U GPMT11T308-U	TS3 TS4	①TKY08F ②TKY15D
	2	TAFS5300F40-E	●	4	40	63	PT1/4	206	141	127	A	GPMT11T308-U	TS4	②TKY15D
	3	TAFM5300F40-E	●	4	40	63	PT1/4	259	194	180	A	GPMT11T308-U	TS4	②TKY15D
	4	TAFL5300F40-E	●	4	40	63	PT1/4	312	247	233	A	GPMT11T308-U	TS4	②TKY15D
54.0	2	TAFS5400F40-E	●	4	40	63	PT1/4	208	134	128	A	GPMT11T308-U	TS4	②TKY15D
	3	TAFM5400F40-E	●	4	40	63	PT1/4	262	197	182	A	GPMT11T308-U	TS4	②TKY15D
	4	TAFL5400F40-E	●	4	40	63	PT1/4	316	251	236	A	GPMT11T308-U	TS4	②TKY15D
55.0	2	TAFS5500F40-E	●	4	40	63	PT1/4	210	145	130	A	GPMT11T308-U	TS4	②TKY15D
	3	TAFM5500F40-E	●	4	40	63	PT1/4	265	200	185	A	GPMT11T308-U	TS4	②TKY15D
	4	TAFL5500F40-E	●	4	40	63	PT1/4	320	255	240	A	GPMT11T308-U	TS4	②TKY15D
56.0	2	TAFS5600F40-E	●	4	40	63	PT1/4	212	147	132	A	GPMT11T308-U	TS4	②TKY15D
	3	TAFM5600F40-E	●	4	40	63	PT1/4	268	203	188	A	GPMT11T308-U	TS4	②TKY15D
	4	TAFL5600F40-E	●	4	40	63	PT1/4	324	259	244	A	GPMT11T308-U	TS4	②TKY15D

● : Inventario mantenuto.

DESCRIZIONE
DEGLI INSERTI

L141

PARAMETRI
DI TAGLIO

L142

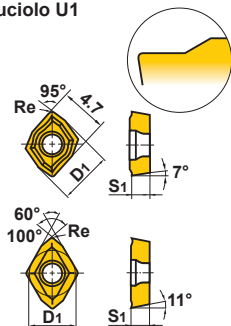
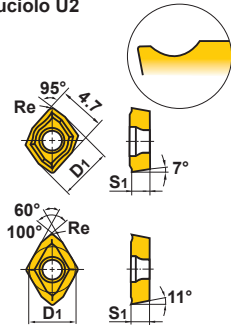
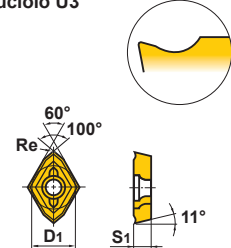
NOTE PER
L'USO

L144

DATI TECNICI

P001

INSERTI

Geometria	Diam. Punta	Codice inserto	Dimensioni (mm)			Disponibilità					
			D1	S1	Re	VP15TF	UP20M	GP20M	UE6020	US735	F5010
Rompitruciolo U1 	ø12-ø14.5	GCMT040204-U1	5.0	2.38	0.4		●				
	ø15-ø17.5	GPMT060204-U1	5.56	2.38	0.4		●		●	●	●
	ø18-ø22.5	GPMT070204-U1	6.35	2.38	0.4		●		●	●	●
	ø23-ø27.5 ø49-ø56	GPMT090304-U1	7.94	3.18	0.4		●		●	●	●
	ø28-ø34	GPMT11T308-U1	9.525	3.97	0.8		●		●	●	●
	ø35-ø48	GPMT140408-U1	12.70	4.76	0.8		●		●	●	●
Rompitruciolo U2 	ø12-ø14.5	GCMT040204-U2	5.0	2.38	0.4	●		●			
	ø15-ø17.5	GPMT060204-U2	5.56	2.38	0.4	●	●		●	●	●
	ø18-ø22.5	GPMT070204-U2	6.35	2.38	0.4	●	●		●	●	●
	ø23-ø27.5 ø49-ø56	GPMT090304-U2	7.94	3.18	0.4	●	●		●	●	●
	ø28-ø34	GPMT11T308-U2	9.525	3.97	0.8	●	●		●	●	●
	ø35-ø48	GPMT140408-U2	12.70	4.76	0.8	●	●		●	●	●
Rompitruciolo U3 	ø15-ø17.5	GPMT060204-U3	5.56	2.38	0.4		●		●	●	●
	ø18-ø22.5	GPMT070204-U3	6.35	2.38	0.4		●		●	●	●
	ø23-ø27.5 ø49-ø56	GPMT090304-U3	7.94	3.18	0.4		●		●	●	●
	ø28-ø34	GPMT11T308-U3	9.525	3.97	0.8		●		●	●	●
	ø35-ø48	GPMT140408-U3	12.70	4.76	0.8		●		●	●	●

INSERTI CONSIGLIATI

■ ROMPITRUCIOLO CONSIGLIATO

++ : Primo suggerimento + : Seconda raccomandazione

Materiale da lavorare	P						M		K			
	Acciaio dolce		Acciaio al carbonio		Acciaio legato		Acciaio inossidabile		Ghisa		Ghisa sferoidale	
Rompitruciolo	GCMT	GPMT	GCMT	GPMT	GCMT	GPMT	GCMT	GPMT	GCMT	GPMT	GCMT	GPMT
U1	++	++	+	+	+	+	+	+	+	+	+	+
U2	+	+	++	+	++	+	++	++	++	+	++	+
U3		+		++		++		+		++		++

■ GRADO DELL'INSERTO CONIGLIATO

++ : Primo suggerimento + : Seconda raccomandazione

Materiale da lavorare	P						M		K			
	Acciaio dolce		Acciaio al carbonio		Acciaio legato		Acciaio inossidabile		Ghisa		Ghisa sferoidale	
Grado	GCMT	GPMT	GCMT	GPMT	GCMT	GPMT	GCMT	GPMT	GCMT	GPMT	GCMT	GPMT
VP15TF	+	+	++	+	++	+	++	++	++	+	++	+
UP20M	++	++	+	+	+	+	+	+	+	+	+	++
GP20M	+		++		++		++		++		++	
UE6020		+		++		++		+		+		+
US735		+		+		+		++		+		+
F5010										++		++

PARAMETRI DI TAGLIO CONSIGLIATI

Materiale da lavorare		Durezza	Velocità di taglio (m/min)			Rompitrucolo	Avanzamento (mm/giro)				
			l/d=2, 3		l/d=4		Diametro della punta (mm)				
			(Ø12—Ø14.5)	(Ø15—)			(Ø16—)	Ø12—Ø14.5	Ø15—Ø22.5	Ø23—Ø34	Ø35—Ø48
P	Acciaio dolce	≤180HB	150 (100—200)	200 (150—300)	140 (100—200)	U1	0.06 (0.04—0.10)	0.07 (0.04—0.10)	0.08 (0.04—0.10)	0.10 (0.04—0.12)	0.08 (0.04—0.10)
						U2	0.06 (0.04—0.10)	0.08 (0.04—0.12)	0.10 (0.04—0.12)	0.12 (0.04—0.14)	0.10 (0.04—0.12)
						U3	—	0.08 (0.04—0.12)	0.10 (0.04—0.12)	0.12 (0.04—0.14)	0.10 (0.04—0.12)
	Acciaio al carbonio	180—280HB	120 (80—160)	150 (120—180)	100 (80—120)	U1	0.06 (0.04—0.10)	0.09 (0.06—0.12)	0.12 (0.08—0.14)	0.15 (0.08—0.18)	0.12 (0.08—0.14)
						U2	0.06 (0.04—0.10)	0.12 (0.06—0.14)	0.14 (0.08—0.18)	0.17 (0.08—0.20)	0.14 (0.08—0.18)
						U3	—	0.12 (0.06—0.14)	0.14 (0.08—0.18)	0.17 (0.08—0.20)	0.14 (0.08—0.18)
	Acciaio legato	180—280HB	120 (80—160)	150 (120—180)	100 (80—120)	U1	0.06 (0.04—0.10)	0.08 (0.06—0.10)	0.09 (0.06—0.12)	0.11 (0.06—0.14)	0.09 (0.06—0.12)
						U2	0.06 (0.04—0.10)	0.10 (0.06—0.12)	0.12 (0.08—0.16)	0.14 (0.08—0.18)	0.12 (0.08—0.16)
						U3	—	0.10 (0.06—0.12)	0.12 (0.08—0.16)	0.14 (0.08—0.18)	0.12 (0.08—0.16)
M	Acciaio inossidabile	≤200HB	100 (80—120)	150 (120—200)	110 (80—140)	U1	0.07 (0.04—0.10)	0.07 (0.04—0.10)	0.08 (0.04—0.10)	0.10 (0.04—0.12)	0.08 (0.04—0.10)
						U2	0.07 (0.04—0.10)	0.08 (0.04—0.12)	0.10 (0.04—0.14)	0.12 (0.04—0.16)	0.10 (0.04—0.14)
						U3	—	0.08 (0.04—0.12)	0.10 (0.04—0.14)	0.12 (0.04—0.16)	0.10 (0.04—0.14)
K	Ghisa	Resistenza alla trazione ≤350MPa	120 (80—160)	150 (120—180)	140 (110—160)	U1	0.07 (0.06—0.10)	0.07 (0.06—0.10)	0.10 (0.04—0.14)	0.10 (0.06—0.14)	0.10 (0.06—0.14)
						U2	0.07 (0.06—0.10)	0.15 (0.10—0.18)	0.20 (0.10—0.25)	0.20 (0.10—0.25)	0.20 (0.10—0.25)
						U3	—	0.15 (0.10—0.18)	0.20 (0.10—0.25)	0.20 (0.10—0.25)	0.20 (0.10—0.25)
	Ghisa sferoidale	Resistenza alla trazione ≤450MPa	120 (80—150)	150 (120—180)	100 (80—120)	U1	0.06 (0.04—0.10)	0.07 (0.06—0.10)	0.10 (0.06—0.14)	0.10 (0.06—0.14)	0.10 (0.06—0.14)
						U2	0.06 (0.04—0.10)	0.12 (0.08—0.14)	0.15 (0.08—0.20)	0.18 (0.08—0.20)	0.15 (0.08—0.20)
						U3	—	0.12 (0.08—0.14)	0.15 (0.08—0.20)	0.18 (0.08—0.20)	0.15 (0.08—0.20)

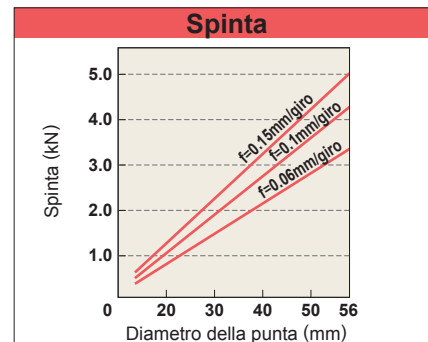
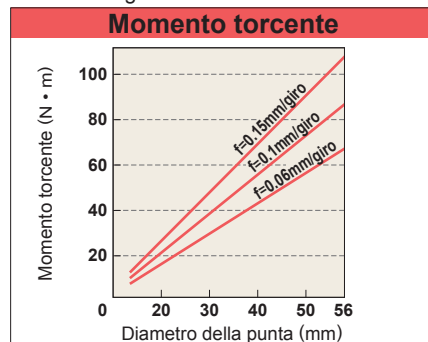
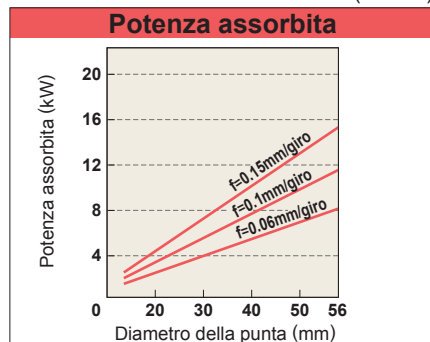
(Nota) Usando punte per l/d = 4, ridurre la velocità dell'80% delle velocità raccomandate in precedenza.

RESISTENZA AL TAGLIO

Pezzo da lavorare : DIN X5CrNi189 (220HB)

Velocità di taglio : 150m/min

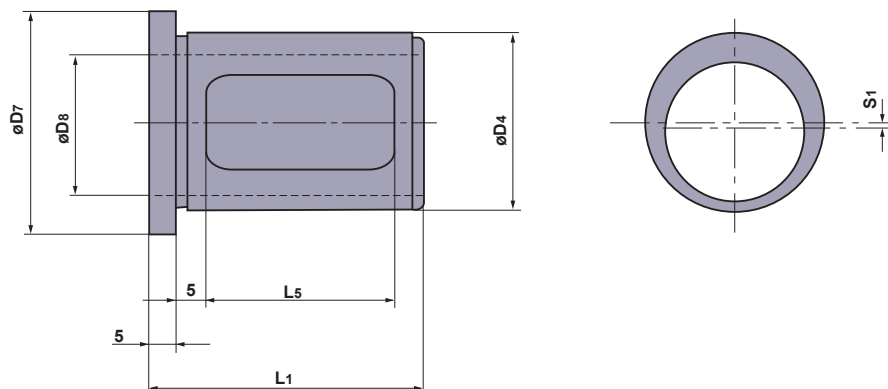
Inserto : Rompitruciolo U2



MANICOTTO “JUST FIT” [JFS]

METALLO
DURO

- Manicotto studiato per migliorare la versatilità delle punte TAF, che permette di aumentare il diametro di taglio in incrementi di 0.1mm



* Incremento : misura dell'incremento nel diametro di taglio.

Numero di ordinazione set	Numero di ordinazione pezzo singolo	Disponibilità	Dimensioni (mm)					★Incremento ($S1 \times 2$)	Punta adatta tipo TAF
			D7	D4	D8	L1	L5		
JFS-1	JFS2520-10	●	33	25	20	43	30	0.10	TAFS/M/L1200F20 TAFS/M/L1550F20
	2520-20	●	33	25	20	43	30	0.20	
	2520-30	●	33	25	20	43	30	0.30	
	2520-40	●	33	25	20	43	30	0.40	
	2520-50	●	33	25	20	43	30	0.50	
JFS-2	JFS3225-10	●	40	32	25	50	34	0.10	TAFS/M/L1600F25 TAFS/M/L2450F25
	3225-20	●	40	32	25	50	34	0.20	
	3225-30	●	40	32	25	50	34	0.30	
	3225-40	●	40	32	25	50	34	0.40	
	3225-50	●	40	32	25	50	34	0.50	
JFS-3	JFS4032-10	●	48	40	32	55	40	0.10	TAFS/M/L2500F32 TAFS/M/L2950F32
	4032-20	●	48	40	32	55	40	0.20	
	4032-30	●	48	40	32	55	40	0.30	
	4032-40	●	48	40	32	55	40	0.40	
	4032-50	●	48	40	32	55	40	0.50	

FORATURA MANICOTTO “JUST FIT”



GUIDA ALLA SELEZIONE DI UN MANICOTTO “JUST FIT”

Diametro desiderato = (ϕ punta+ Incremento manicotti “just fit”) + 0.1mm

(Es.) Diametro desiderato 20.3mm (maggiorazione 0.1mm).

$$\phi 20.3 = (\text{TAFS/M/L2000F25} + \text{JFS3225-20}) + 0.1$$

↓ Punta 20mm Usando il manicotto Just Fit incremento di 0.2mm. ↓ Maggiorazione

(Nota) La maggiorazione può variare a seconda dei parametri di taglio : la spiegazione serve solo a scopo indicativo.

<Utensile scelto>
PUNTE TAF : TAFM2000F25
Manicotto “Just Fit” [JFS]
: JFS3225-20

ORDINAZIONE MANICOTTO JUST FIT

● Metodo di ordinazione 1

La maggiorazione può variare a seconda dei parametri di taglio. Si raccomanda quindi di acquistare il set. Per passare un ordine, usare il numero di ordinazione del set. (Serie di 5 manicotti)

● Metodo di ordinazione 2

E' possibile ordinare il manicotto singolarmente. Per passare un ordine, usare il numero di ordinazione pezzo singolo.

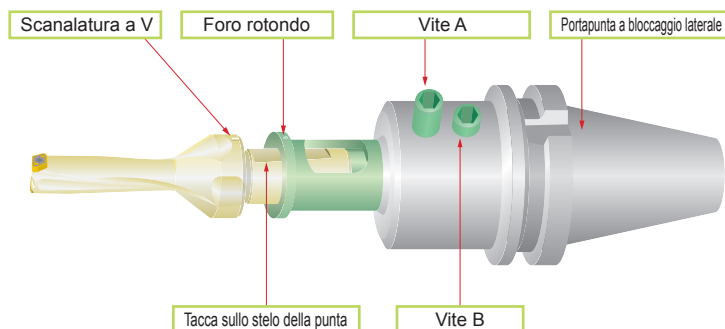
● : Inventario mantenuto.

IMPIEGO DEL MANICOTTO "JUST FIT"

- 1 Inserendo la punta nel portapunta a bloccaggio laterale, allineare la scanalatura a V sul bordo periferico esterno della flangia della punta, i fori rotondi sul bordo periferico esterno della flangia del manicotto e le viti del portapunta a bloccaggio laterale. (Se la punta non ha una scanalatura a V, allineare la tacca sullo stelo della punta con i fori rotondi sul manicotto.)
- 2 Fissare le viti A del portapunta direttamente sulla punta attraverso la scanalatura del manicotto. Serrare la vite B in modo di non danneggiare il manicotto.

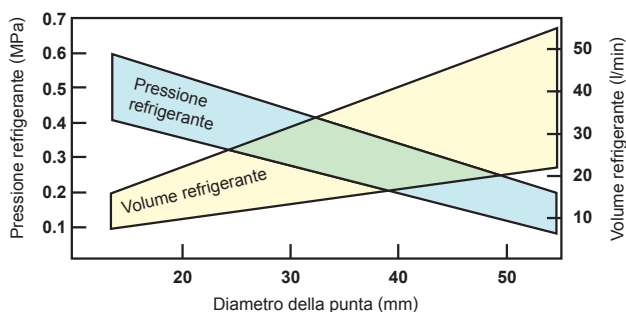
(Nota)

- Per il diametro del manicotto non è possibile fare regolazioni precise.
- Non usare con portapunta tipo a pinza.



APPLICAZIONI PER PUNTE TAF

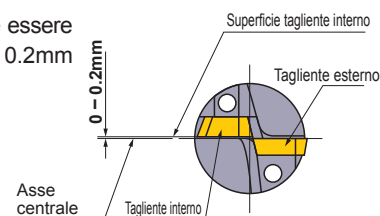
- Verificare che la rigidità sia massima, sia nella preparazione della macchina che nei portapezzi.
- Pressione e volume del refrigerante sono indicati nel grafico in basso. Il refrigerante è importantissimo per un uso efficiente delle punte.



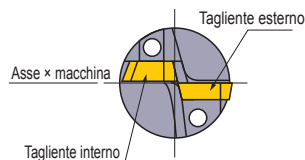
- Non usare per forature sovrapposte. Come molte punte a inserti intercambiabili, anche queste punte producono un disco tondo all'uscita che, se non evacuato, può causare la rottura della punta.

- Usare sul tornio

- (1) Il tagliente interno deve essere posizionato tra 0 e 0.2mm sopra il centro.



- (2) Per regolare il diametro del foro disassando la punta, il tagliente esterno e l'asse della macchina devono essere paralleli.



- (3) Per fori maggiorati. Il disassamento della punta non deve essere superiore al 2% del diametro. Non è possibile praticare fori sottodimensionati.

- (4) Praticando un foro passante sul tornio, il disco prodotto dalla punta che esce dal pezzo da lavorare può essere espulso ad alta velocità. Per ridurre il pericolo di ferite o danni si raccomanda caldamente l'uso di una protezione.

