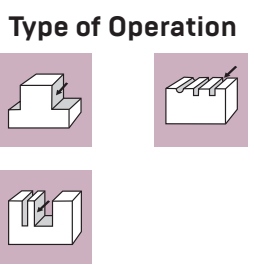
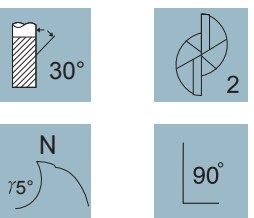


F692TX 極超微粒鎢鋼塗層深溝立銑刀

End Mills For Rib Processing

SMG Carbide **AlTiSiN TX**



Work Material

P	H	M	K	N	S
●	●	●	○	○	○

- P** 鋼鐵 Steel
- H** 硬化鋼 <38HRC Hardened Steel
- H** 硬化鋼 <48HRC Hardened Steel
- H** 硬化鋼 <56HRC Hardened Steel
- H** 硬化鋼 <68HRC Hardened Steel
- K** 鑄鐵 Cast Iron
- N** 銅 Copper

Feature of product:
 2刃平頭深溝立銑刀
 廣泛用於精微模具、深溝清角。
 搭配奈米多層膜塗層具有優異的潤滑及耐磨性。
 各式規格長度齊全。
 可用於各式鋼鐵材料及電極鋼。



Code No. F692TX-Dc×L1

Dc	L1	Lc	L	d	D1	AlTiSiN F692TX	Dc	L1	Lc	L	d	D1	AlTiSiN F692TX
0-0.02	mm	mm	mm	h5	mm		0-0.02	mm	mm	mm	h5	mm	
0.2	0.5	0.3	50	4	0.17	●	1.5	10	2.3	50	4	1.45	●
0.2	1	0.3	50	4	0.17	●	1.5	12	2.3	50	4	1.45	●
0.2	2	0.3	50	4	0.17	●	1.5	14	2.3	50	4	1.45	●
0.2	3	0.3	50	4	0.17	●	1.5	16	2.3	50	4	1.45	●
0.3	1	0.45	50	4	0.27	●	1.5	18	2.3	60	4	1.45	●
0.3	1.5	0.45	50	4	0.27	●	1.5	20	2.3	60	4	1.45	●
0.3	2	0.45	50	4	0.27	●	1.5	25	2.3	65	4	1.45	●
0.3	3	0.45	50	4	0.27	●	1.5	30	2.3	70	4	1.45	●
0.3	4	0.45	50	4	0.27	●	1.6	6	2.4	50	4	1.55	●
0.4	1	0.6	50	4	0.37	●	1.6	8	2.4	50	4	1.55	●
0.4	1.5	0.6	50	4	0.37	●	1.6	10	2.4	50	4	1.55	●
0.4	2	0.6	50	4	0.37	●	1.6	12	2.4	50	4	1.55	●
0.4	3	0.6	50	4	0.37	●	1.6	14	2.4	50	4	1.55	●
0.4	4	0.6	50	4	0.37	●	1.6	16	2.4	50	4	1.55	●
0.4	5	0.6	50	4	0.37	●	1.6	18	2.4	60	4	1.55	●
0.4	6	0.6	50	4	0.37	●	1.6	20	2.4	60	4	1.55	●
0.4	8	0.6	50	4	0.37	●	1.8	6	2.7	50	4	1.75	●
0.5	1	0.7	50	4	0.45	●	1.8	8	2.7	50	4	1.75	●
0.5	2	0.7	50	4	0.45	●	1.8	10	2.7	50	4	1.75	●
0.5	3	0.7	50	4	0.45	●	1.8	12	2.7	50	4	1.75	●
0.5	4	0.7	50	4	0.45	●	1.8	14	2.7	50	4	1.75	●
0.5	6	0.7	50	4	0.45	●	1.8	16	2.7	50	4	1.75	●
0.5	8	0.7	50	4	0.45	●	1.8	18	2.7	60	4	1.75	●
0.5	10	0.7	50	4	0.45	●	1.8	20	2.7	60	4	1.75	●
0.6	2	0.9	50	4	0.55	●	2	4	3	50	4	1.95	●
0.6	3	0.9	50	4	0.55	●	2	6	3	50	4	1.95	●
0.6	4	0.9	50	4	0.55	●	2	8	3	50	4	1.95	●
0.6	6	0.9	50	4	0.55	●	2	10	3	50	4	1.95	●
0.6	8	0.9	50	4	0.55	●	2	12	3	50	4	1.95	●
0.6	10	0.9	50	4	0.55	●	2	14	3	50	4	1.95	●
0.7	2	1	50	4	0.65	●	2	16	3	50	4	1.95	●
0.7	4	1	50	4	0.65	●	2	18	3	60	4	1.95	●
0.7	6	1	50	4	0.65	●	2	20	3	60	4	1.95	●
0.7	8	1	50	4	0.65	●	2	25	3	60	4	1.95	●
0.8	2	1.2	50	4	0.75	●	2	30	3	70	4	1.95	●
0.8	4	1.2	50	4	0.75	●	2	35	3	75	4	1.95	●
0.8	6	1.2	50	4	0.75	●	2	40	3	80	4	1.95	●
0.8	8	1.2	50	4	0.75	●	2.5	8	3.7	50	4	2.4	●
0.8	10	1.2	50	4	0.75	●	2.5	10	3.7	50	4	2.4	●
0.8	12	1.2	50	4	0.75	●	2.5	12	3.7	50	4	2.4	●
0.9	4	1.4	50	4	0.85	●	2.5	14	3.7	50	4	2.4	●
0.9	6	1.4	50	4	0.85	●	2.5	16	3.7	60	4	2.4	●
0.9	8	1.4	50	4	0.85	●	2.5	18	3.7	60	4	2.4	●
0.9	10	1.4	50	4	0.85	●	2.5	20	3.7	60	4	2.4	●
1	2	1.5	50	4	0.95	●	2.5	25	3.7	70	4	2.4	●
1	3	1.5	50	4	0.95	●	2.5	30	3.7	70	4	2.4	●
1	4	1.5	50	4	0.95	●	2.5	40	3.7	80	4	2.4	●
1	6	1.5	50	4	0.95	●	3	8	4.5	50	6	2.85	●
1	8	1.5	50	4	0.95	●	3	10	4.5	50	6	2.85	●
1	10	1.5	50	4	0.95	●	3	12	4.5	50	6	2.85	●
1	12	1.5	50	4	0.95	●	3	14	4.5	60	6	2.85	●
1	14	1.5	50	4	0.95	●	3	16	4.5	60	6	2.85	●
1	16	1.5	50	4	0.95	●	3	18	4.5	60	6	2.85	●
1	18	1.5	60	4	0.95	●	3	20	4.5	60	6	2.85	●
1	20	1.5	60	4	0.95	●	3	25	4.5	70	6	2.85	●
1.2	6	1.8	50	4	1.15	●	3	30	4.5	70	6	2.85	●
1.2	8	1.8	50	4	1.15	●	3	35	4.5	80	6	2.85	●
1.2	10	1.8	50	4	1.15	●	3	40	4.5	90	6	2.85	●
1.2	12	1.8	50	4	1.15	●	3	50	4.5	100	6	2.85	●
1.2	14	1.8	50	4	1.15	●	4	12	6	60	6	3.85	●
1.2	16	1.8	50	4	1.15	●	4	16	6	60	6	3.85	●
1.4	6	2.1	50	4	1.35	●	4	20	6	70	6	3.85	●
1.4	8	2.1	50	4	1.35	●	4	25	6	70	6	3.85	●
1.4	10	2.1	50	4	1.35	●	4	30	6	80	6	3.85	●
1.4	12	2.1	50	4	1.35	●	4	35	6	80	6	3.85	●
1.4	14	2.1	50	4	1.35	●	4	40	6	90	6	3.85	●
1.4	16	2.1	50	4	1.35	●	4	45	6	100	6	3.85	●
1.5	4	2.3	50	4	1.45	●	4	50	6	100	6	3.85	●
1.5	6	2.3	50	4	1.45	●							
1.5	8	2.3	50	4	1.45	●							

F692TX 切削條件參考表

Recommended Milling Conditions

Slotting 溝切削

被削材 Work Material		GR.1 碳鋼 / GR.2 低合金鋼 / GR.3 高合金鋼 Carbon Steel / Low-alloyed Steel / Hi-alloyed Steel (~24HRC) (~30HRC)			GR.4 硬化鋼 / GR.5 硬化鋼 Hardened Steel / Hardened Steel (30~38HRC) (38~48HRC)			GR.6 硬化鋼 Hardened Steel (48~56HRC)			GR.7 硬化鋼 Hardened Steel (56~68HRC)		
型號 Code No.	刃徑×頸長 Dc×Ll	RPM 迴轉速度 (min-1)	Feed 進給速度 (mm/min)	ap (mm)	RPM 迴轉速度 (min-1)	Feed 進給速度 (mm/min)	ap (mm)	RPM 迴轉速度 (min-1)	Feed 進給速度 (mm/min)	ap (mm)	RPM 迴轉速度 (min-1)	Feed 進給速度 (mm/min)	ap (mm)
F692TX	0.2×0.5	50,000	320	0.009	50,000	170	0.006	50,000	150	0.004	50,000	10	0.003
F692TX	0.2×1	50,000	320	0.008	50,000	150	0.005	50,000	150	0.004	50,000	10	0.003
F692TX	0.2×2	50,000	290	0.006	50,000	130	0.004	50,000	120	0.003	50,000	10	0.002
F692TX	0.2×3	50,000	280	0.002	50,000	100	0.001	50,000	100	0.001	50,000	10	0.001
F692TX	0.3×1	48,000	448	0.009	48,000	352	0.006	41,680	264	0.004	14,600	14	0.003
F692TX	0.3×1.5	40,640	368	0.008	40,640	288	0.005	34,160	208	0.004	14,600	13	0.003
F692TX	0.3×2	33,200	280	0.006	33,200	224	0.004	26,560	152	0.003	14,600	12	0.002
F692TX	0.3×3	25,520	192	0.002	25,520	152	0.001	20,400	104	0.001	14,600	10	0.001
F692TX	0.3×4	20,960	136	0.001	20,960	112	0.001	16,720	80	0.001	14,600	9	0.001
F692TX	0.4×1	42,160	528	0.011	38,480	376	0.007	30,800	256	0.004	14,300	17	0.003
F692TX	0.4×1.5	42,160	528	0.011	38,480	376	0.007	30,800	256	0.004	14,300	17	0.003
F692TX	0.4×2	40,000	488	0.009	35,680	344	0.006	28,560	232	0.004	14,600	17	0.003
F692TX	0.4×3	35,600	408	0.005	30,000	272	0.004	24,000	184	0.003	14,300	16	0.002
F692TX	0.4×4	32,800	352	0.004	28,480	224	0.003	21,200	152	0.002	14,300	15	0.001
F692TX	0.4×5	30,800	304	0.003	24,080	192	0.002	19,280	128	0.001	14,300	14	0.001
F692TX	0.4×6	30,800	280	0.002	24,000	180	0.001	18,000	100	0.001	14,000	10	0.001
F692TX	0.4×8	30,800	250	0.002	24,000	160	0.001	17,000	80	0.001	14,000	10	0.001
F692TX	0.5×1	45,440	720	0.015	32,480	408	0.011	26,000	280	0.008	14,000	20	0.004
F692TX	0.5×2	45,440	720	0.015	32,480	408	0.011	26,000	280	0.008	14,000	20	0.004
F692TX	0.5×3	35,360	528	0.007	25,760	296	0.007	20,560	208	0.005	14,000	19	0.004
F692TX	0.5×4	32,480	464	0.008	23,760	264	0.006	18,960	184	0.004	14,000	18	0.003
F692TX	0.5×6	26,720	336	0.004	19,760	200	0.003	15,760	136	0.002	14,000	16	0.001
F692TX	0.5×8	23,280	256	0.002	17,280	152	0.001	13,840	104	0.001	14,000	14	0.001
F692TX	0.5×10	20,880	200	0.001	15,680	120	0.001	12,480	80	0.001	14,000	12	0.001
F692TX	0.6×2/0.6×3/0.6×4	50,880	992	0.023	31,280	480	0.016	25,040	328	0.011	12,000	23	0.006
F692TX	0.6×6	25,680	416	0.007	18,400	232	0.005	14,720	160	0.003	12,000	19	0.002
F692TX	0.6×8	21,440	312	0.004	16,000	184	0.003	12,800	128	0.002	12,000	17	0.001
F692TX	0.6×10	18,720	240	0.002	14,320	144	0.002	11,440	104	0.001	12,000	15	0.001
F692TX	0.8×4/0.8×6	29,680	744	0.027	19,280	384	0.019	15,440	264	0.013	8,000	20	0.01
F692TX	0.8×8	19,280	416	0.009	13,760	240	0.006	11,040	160	0.004	8,000	16	0.003
F692TX	0.8×10	16,800	336	0.006	13,760	240	0.006	11,040	160	0.004	8,000	14	0.002
F692TX	0.8×12	14,960	272	0.004	11,280	160	0.003	9,040	112	0.002	8,000	12	0.001
F692TX	1×2 / 1×3 / 1×4	27,280	936	0.04	17,200	464	0.028	13,760	320	0.02	6,500	15	0.01
F692TX	1×6	21,200	680	0.023	14,080	352	0.016	11,280	248	0.012	6,500	14	0.006
F692TX	1×10	15,360	424	0.01	11,040	240	0.007	8,800	168	0.005	6,500	12	0.003
F692TX	1×12	13,760	352	0.007	10,080	200	0.005	8,080	136	0.003	6,500	11	0.002
F692TX	1×16	11,440	240	0.004	8,800	144	0.003	7,040	104	0.002	6,500	10	0.001
F692TX	1×20	10,000	160	0.003	8,800	144	0.003	7,040	104	0.002	6,500	10	0.001
F692TX	1.5×4/1.5×6/1.5×8	18,240	896	0.057	11,520	440	0.04	9,200	304	0.028	9,600	60	0.016
F692TX	1.5×10	13,280	600	0.03	8,960	312	0.021	7,120	216	0.015	9,600	13	0.009
F692TX	1.5×16	10,300	400	0.016	7,300	210	0.011	5,800	150	0.008	9,600	1	0.003
F692TX	1.5×20	9,500	330	0.011	6,600	170	0.007	5,200	130	0.005	9,600	10	0.003
F692TX	1.5×25	9,200	320	0.009	6,400	160	0.008	4,900	120	0.008	9,600	10	0.002
F692TX	1.5×30	9,000	300	0.007	6,200	140	0.006	4,600	110	0.006	9,600	10	0.001
F692TX	2×4 / 2×6 / 2×8	7,500	300	0.064	5,200	150	0.045	4,000	100	0.032	9,600	230	0.019
F692TX	2×10	11,840	736	0.045	7,760	376	0.031	6,240	264	0.022	9,600	45	0.013
F692TX	2×14	9,600	560	0.031	6,560	296	0.022	5,280	208	0.016	9,600	16	0.009
F692TX	2×20	7,680	400	0.018	5,520	224	0.013	4,400	152	0.009	9,600	11	0.002
F692TX	2×30	6,000	248	0.008	4,480	144	0.005	3,600	104	0.004	9,600	11	0.001
F692TX	2×40	5,000	200	0.003	3,800	90	0.001	3,000	40	0.001	9,600	10	0.001
F692TX	2.5×8/2.5×10/2.5×12	12,000	1,072	0.077	7,680	536	0.054	6,160	368	0.039	9,600	227	0.023
F692TX	2.5×14	8,560	704	0.052	5,840	376	0.036	4,640	256	0.026	9,600	42	0.015
F692TX	2.5×20	6,960	520	0.033	4,880	288	0.023	3,920	200	0.017	9,600	14	0.01
F692TX	2.5×25	6,080	416	0.022	4,400	240	0.015	3,520	168	0.011	9,600	10	0.008
F692TX	2.5×30	5,440	344	0.014	4,000	200	0.01	3,200	136	0.007	9,600	10	0.005
F692TX	2.5×40	5,300	300	0.01	3,500	160	0.006	2,800	100	0.004	9,600	10	0.003
F692TX	3×8 / 3×10 / 3×12	10,560	1,176	0.103	6,400	560	0.072	5,120	384	0.052	8,000	435	0.031
F692TX	3×14	7,680	800	0.072	4,960	408	0.051	4,000	280	0.036	8,000	81	0.021
F692TX	3×20	6,240	600	0.05	4,240	320	0.035	3,440	224	0.025	8,000	27	0.015
F692TX	3×30	4,960	416	0.026	3,600	232	0.018	2,880	160	0.013	8,000	10	0.007
F692TX	3×40	4,400	340	0.013	3,100	180	0.009	2,400	110	0.005	8,000	10	0.003
F692TX	3×50	4,200	320	0.009	2,900	160	0.005	2,200	90	0.003	8,000	10	0.001
F692TX	4×12 / 4×16 / 4×20	6,800	1,024	0.112	4,080	480	0.078	3,280	328	0.056	6,000	388	0.033
F692TX	4×30	4,000	504	0.048	2,640	264	0.033	2,080	184	0.024	6,000	24	0.014
F692TX	4×40	3,360	376	0.03	2,320	200	0.021	1,840	144	0.015	6,000	10	0.009
F692TX	4×50	2,960	288	0.018	2,080	160	0.013	1,680	112	0.009	6,000	10	0.001

切入深度
(mm)