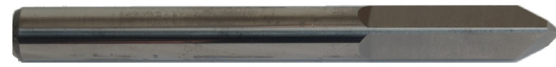
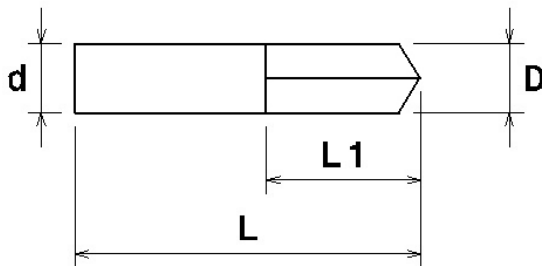


Utensile Salva (Rompi maschi)

Safety break up tool



D _{h10}	L1	L	d _{h6}	Cod.	€ uncoated	€ Tialn	€ TopTialn
2	10	50	2	S4402	25,00		
2,5	15	50	2,5	S44025	25,00		
3	15	50	3	S4403	25,00		
3,5	15	50	3,5	S44035	25,00		
4	20	50	4	S4404	25,00		
4,5	20	50	4,5	S44045	30,00		
5	25	50	5	S4405	30,00		
6	30	60	6	S4406	30,00		
7	30	75	7	S4407	35,00		
8	30	80	8	S4408	35,00		
9	35	100	9	S4409	35,00		
10	35	100	10	S4410	50,00		
11	35	100	11	S4411	50,00		
12	35	100	12	S4412	55,00		

MODO D'UTILIZZO - USING METHOD



PER ESTRAZIONE MASCHI - TO REMOVE TAPS

∅ maschio (taps) 3mm	Salva S4402
∅ maschio (taps) 4/5 mm	Salva S4403
∅ maschio (taps) 6mm	Salva S4404
∅ maschio (taps) 8/10 mm	Salva S4405
∅ maschio (taps) 10/12 mm	Salva S4406
∅ maschio (taps) 14/16 mm	Salva S4408
∅ maschio (taps) 18/20 mm	Salva S4410
∅ maschio (taps) 22/24 mm	Salva S4412

L'utensile Salva in metallo duro integrale è stato progettato per distruggere maschi spezzati dentro i fori. La lavorazione viene eseguita a secco.

1 - E' consigliabile eseguire una spianatura del maschio rotto usando l'utensile Salva di una misura più grande. Passare quindi alla scelta dell'utensile Salva per il tipo di maschio rotto consultando la tabella a fianco riportata. E' molto importante che la macchina utensile sia rigida e con una velocità di lavoro da 1000 a 3500 giri/min.

2 - Ultima operazione rimuovere i pezzi di maschio rimasti lungo le pareti usando un utensile appuntito. Nel caso risultasse conveniente il refrigerante avere cura che questo sia continuo e abbondante.

3- L'utensile Salva è pure adatto per eseguire fori precisi dal pieno in una sola operazione su acciai cementati, temperati stellati e tipi di acciai inox.

Può forare in limiti di tolleranza molto ristrette con ottimo grado di finitura evitando in molti casi l'operazione di alesatura.

The Safety Break Up Tool made out from Solide Carbide has been designed to totally remove the taps broken inside the machined hole. Cutting operation to be made in dry execution :

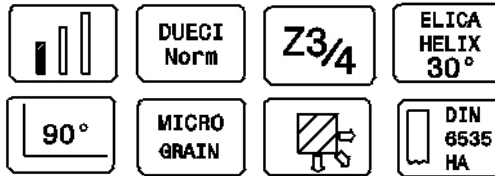
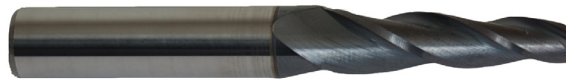
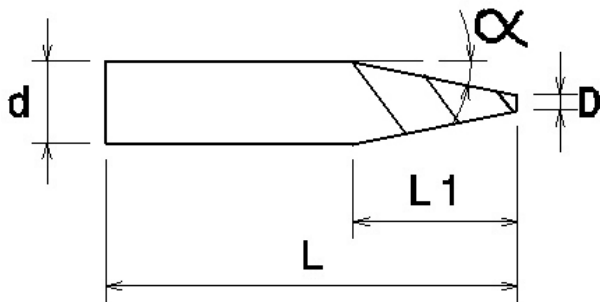
1 - It is recommended to make a first flattening of the broken tap by the Carbide Safety Break Up Tool of a bigger size. Then select the most appropriate Safety Tool for the kind of broken tap (see the table below). It is very important that machinery is rigid and the cutting speed is 1000 to 3500RPM.

2 -Last operation to remove all the smashed tap pieces along the hole by a sharp tool. Whenever coolant is convenient please make sure it flows nonstop and massively.

3 - The Safety Break Up Tool is also suitable to machine precise holes from solide carbide materials in one operation and from hardened steels, satellite and any kind of stainless steels and steel alloys. It can machine within very strict tolerances achieving good finishing and it can substitute the reaming operation.

Frese coniche per stampi taglio al centro

Tapered end mills for mould & dies center cutting



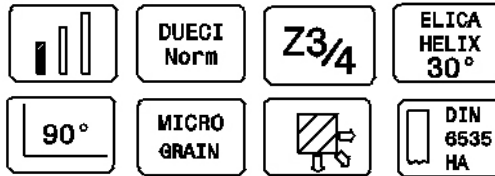
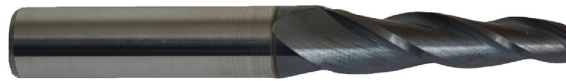
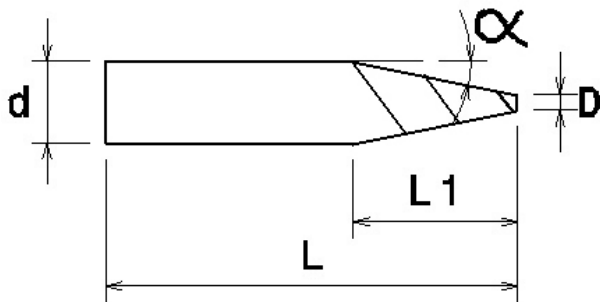
D _{h10}	L1	L	d _{h6}	Z	α	Cod.	€ uncoated	€ Tialn	€ TopTialn
2,5	20	60	4	3	0,5°	300525	20,00	23,70	24,90
3	20	60	4	3	0,5°	30053	20,00	23,70	24,90
3,5	20	60	5	3	0,5°	300535	20,00	24,90	26,10
4	20	60	5	3	0,5°	30054	20,00	24,90	26,10
5	30	75	6	3	0,5°	30055	30,00	35,00	36,80
6	30	75	8	4	0,5°	30056	35,00	41,00	43,00
8	30	75	10	4	0,5°	30058	45,00	52,30	55,00
10	30	75	12	4	0,5°	300510	60,00	67,30	70,70
12	50	100	14	4	0,5°	300512	102,00	111,70	117,30
16	60	100	18	4	0,5°	300516	132,00	143,00	150,00

D _{h10}	L1	L	d _{h6}	Z	α	Cod.	€ uncoated	€ Tialn	€ TopTialn
2,5	20	60	4	3	1°	30125	20,00	23,70	24,90
3	20	60	4	3	1°	3013	20,00	23,70	24,90
3,5	20	60	5	3	1°	30135	20,00	24,90	26,10
4	20	60	5	3	1°	3014	20,00	24,90	26,10
5	30	75	6	3	1°	3015	30,00	35,00	36,80
6	30	75	8	4	1°	3016	35,00	41,00	43,00
8	30	75	10	4	1°	3018	45,00	52,30	55,00
10	30	75	12	4	1°	30110	60,00	67,30	70,70
12	50	100	14	4	1°	30112	102,00	111,70	117,30
16	60	100	18	4	1°	30116	132,00	143,00	150,00

D _{h10}	L1	L	d _{h6}	Z	α	Cod.	€ uncoated	€ Tialn	€ TopTialn
2,5	20	60	4	3	1,5°	301525	20,00	23,70	24,90
3	20	60	4	3	1,5°	30153	20,00	23,70	24,90
3,5	20	60	5	3	1,5°	301535	20,00	24,90	26,10
4	20	60	5	3	1,5°	30154	20,00	24,90	26,10
5	30	75	6	3	1,5°	30155	30,00	35,00	36,80
6	30	75	8	4	1,5°	30156	35,00	41,00	43,00
8	30	75	10	4	1,5°	30158	45,00	52,30	55,00
10	30	75	12	4	1,5°	301510	60,00	67,30	70,70
12	50	100	16	4	1,5°	301512	107,00	116,90	122,80
16	60	100	20	4	1,5°	301516	154,00	168,00	176,40

Frese coniche per stampi taglio al centro

Tapered end mills for mould & dies center cutting



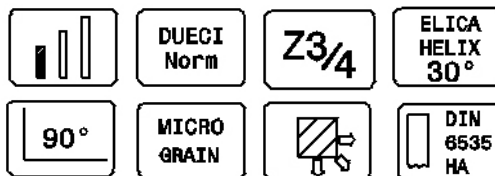
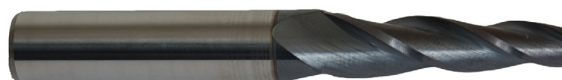
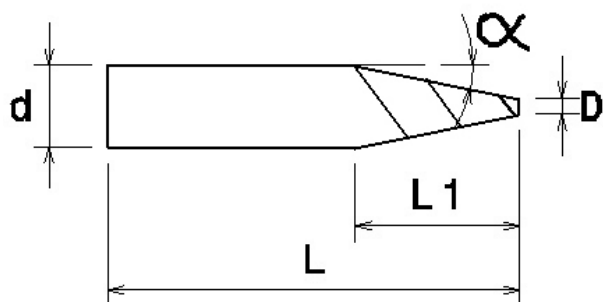
D _{h10}	L1	L	d _{h6}	Z	α	Cod.	€ uncoated	€ Tialn	€ TopTialn
2,5	20	60	4	3	2°	30225	20,00	23,70	24,90
3	20	60	5	3	2°	3023	20,00	24,90	26,10
3,5	20	60	5	3	2°	30235	20,00	24,90	26,10
4	20	60	6	3	2°	3024	25,00	30,00	31,50
5	30	75	8	3	2°	3025	35,00	41,00	43,00
6	30	75	8	4	2°	3026	35,00	41,00	43,00
8	30	75	10	4	2°	3028	45,00	52,30	55,00
10	30	75	12	4	2°	30210	60,00	67,30	70,70
12	50	100	16	4	2°	30212	107,00	116,90	122,80

D _{h10}	L1	L	d _{h6}	Z	α	Cod.	€ uncoated	€ Tialn	€ TopTialn
2,5	20	60	6	3	3°	30325	30,00	35,00	36,80
3	25	60	6	3	3°	3033	30,00	35,00	36,80
3,5	30	75	8	3	3°	30335	40,00	46,00	48,30
4	30	75	8	3	3°	3034	40,00	46,00	48,30
5	40	75	10	3	3°	3035	55,00	62,30	65,50
6	30	75	10	3	3°	3036	55,00	62,30	65,50
8	30	75	12	4	3°	3038	62,00	69,30	72,80
10	50	100	16	4	3°	30310	120,00	129,70	136,20
12	55	100	18	4	3°	30312	140,00	151,60	159,20

D _{h10}	L1	L	d _{h6}	Z	α	Cod.	€ uncoated	€ Tialn	€ TopTialn
2,5	20	60	6	3	4°	30425	30,00	35,00	36,80
3	20	60	6	3	4°	3043	30,00	35,00	36,80
3,5	25	60	8	3	4°	30435	40,00	46,00	48,30
4	30	75	10	3	4°	3044	50,00	57,30	60,20
5	40	100	12	3	4°	3045	70,00	79,00	83,00
6	50	100	16	3	4°	3046	110,00	120,00	126,00
8	50	100	18	4	4°	3048	140,00	151,60	159,20
10	50	100	20	4	4°	30410	160,00	174,00	182,70
12	55	100	20	4	4°	30412	160,00	174,00	182,70

Frese coniche per stampi taglio al centro

Tapered end mills for mould & dies center cutting



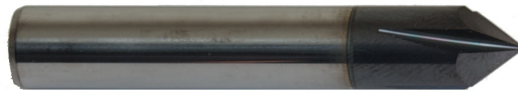
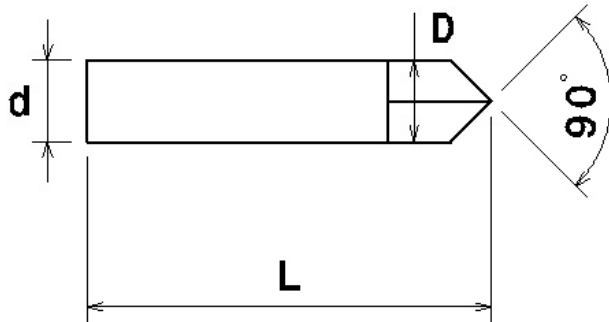
D _{h10}	L1	L	d _{h6}	Z	α	Cod.	€ uncoated	€ Tialn	€ TopTialn
2,5	20	60	6	3	5°	30525	25,00	30,00	31,50
3	25	60	8	3	5°	3053	35,00	41,00	43,10
3,5	30	75	10	3	5°	30535	50,00	57,30	60,20
4	30	75	10	3	5°	3054	50,00	57,30	60,20
5	40	100	12	3	5°	3055	70,00	79,00	83,00
6	50	100	16	3	5°	3056	110,00	120,00	126,00
8	50	100	18	4	5°	3058	140,00	151,60	159,20
10	50	100	20	4	5°	30510	160,00	174,00	182,70
12	50	100	20	4	5°	30512	160,00	174,00	182,70

D _{h10}	L1	L	d _{h6}	Z	α	Cod.	€ uncoated	€ Tialn	€ TopTialn
2,5	20	60	8	3	7°	30725	35,00	41,00	43,10
5	25	80	12	3	7°	3075	65,00	74,00	77,70

D _{h10}	L1	L	d _{h6}	Z	α	Cod.	€ uncoated	€ Tialn	€ TopTialn
2,5	20	75	10	3	10°	301025	55,00	62,30	65,50
3	30	80	14	3	10°	30103	90,00	99,50	104,50
6	30	100	16	3	10°	30106	110,00	120,00	126,00
8	30	100	20	4	10°	30108	170,00	184,00	193,20

Frese per smussare

Chamfering carbide end mills



D _{h10}	L1	L	d _{h6}	Z	Cod.	€ uncoated	€ Tialn	€ TopTialn
6	8	38	6	4	534506	10,80	15,40	16,20
8	11	43	8	4	534508	17,00	22,50	23,70
10	13	50	10	4	534510	24,00	30,80	32,40
12	15	60	12	4	534512	34,90	41,70	43,80



D _{h10}	L1	L	d _{h6}	Z	Cod.	€ uncoated	€ Tialn	€ TopTialn
6	8	60	6	4	534506L	13,60	18,20	19,10
8	11	70	8	4	534508L	22,30	27,80	29,20
10	13	75	10	4	534510L	31,00	37,70	39,60
12	15	75	12	4	534512L	40,90	47,60	50,00