




TECHNO DRILL
HPT®



24E-T-ALL

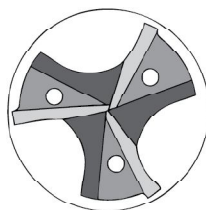
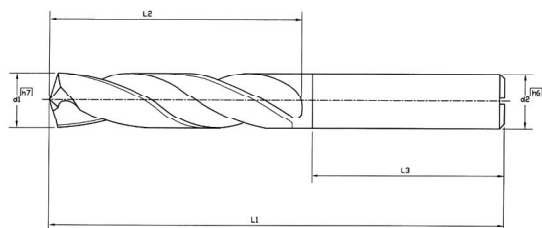
-  **Punta in metallo duro a 3 taglienti, per alte produzioni. Gola ampia e lappata, per leghe in alluminio, rame, ottone, bronzo.**
-  **Solid carbide 3 fluted drill, with wide helix for evacuation of the chips. Suggested For Aluminum Alloys, copper, brass and bronze.**
-  **Foret carbure 3 helices, avec large goujure pour l'évacuation du copeau. Recommandé pour alliages d'aluminium, cuivre, laiton, bronze.**



Materiale	Gruppo Materiale	VT	AV							
			Ø 6	Ø 8	Ø 10	Ø 12	Ø 14	Ø 16	Ø 20	
1	1.1 Acciaio Dolce Magnetico - Magnetic Soft Iron									
	1.2 Acciaio da Costruzione - Structural Case Hardened Steel									
	1.3 Acciaio al Carbonio - Carbon Steel									
	1.4 Acciaio Legato - Alloy Steel									
	1.5 Acciaio Legato Temprato - Alloy Heat Treated Steel									
	1.6 Acciaio Legato Temprato - Alloy Heat Treated Steel									
	1.7 Acciaio Legato 45 HRC - Hardened Steel to 45 HRC									
	1.8 Acciaio Legato 58 HRC - Hardened Steel to 58 HRC									
2	2.1 Acciaio Inossidabile - Stainless steel									
	2.2 Austenico - Austenic									
	2.3 Ferrico + Austenico - Ferritic Austenic									
3	3.1 Ghisa lamellare - Grey Cast Iron									
	3.2 Ghisa lamellare trattata - Grey Cast Iron heat treated									
	3.3 Ghisa sferoidale - Spher Cast Iron									
	3.4 Ghisa sferoidale trattata - Sphere Cast Iron heat treated									
	3.5 Ghisa sferoidale trattata - Sphere Cast Iron heat treated									
	3.6 Ghisa malleabile - Malleable Iron									
	3.7 Ghisa Malleabile trattata - Malleable Iron treated									
4	4.1 Titanio Non Legato - Pure Titanium									
	4.2 Titanio Legato - Titanium Alloys									
	4.3 Titanio Legato - Titanium Alloys									
5	5.1 Nichel non legato - Pure Nichel									
	5.2 Nichel legato - Nichel alloys heat resistant									
	5.3 Nichel legato - Nichel alloys high heat resistant									
6	6.1 Rame non legato - Non-alloy copper	120-180	0,15	0,20	0,25	0,30	0,35	0,40	0,45	
	6.2 Ottone, Bronzo - Short chip brass, bronze, red brass	120-180	0,15	0,20	0,25	0,30	0,35	0,40	0,45	
	6.3 Ottone a truciolo lungo - long chip brass	120-180	0,15	0,20	0,25	0,30	0,35	0,40	0,45	
	6.4 Bronzo alta resistenza - Cu-Al-Fe alloy (Ampco)	100-160	0,12	0,16	0,20	0,25	0,30	0,35	0,40	
7	7.1 Alluminio MG non legato - Alu MG Non Alloy	180-300	0,30	0,35	0,40	0,45	0,50	0,55	0,60	
	7.2 Alluminio Legato ≤ 5% Si - Alu Cast Alloy Si ≤ 5%	180-300	0,30	0,35	0,40	0,45	0,50	0,55	0,60	
	7.3 Alluminio Legato > 5% < 10 Si - Alu Cast Alloy Si > 5% < 10	180-250	0,30	0,35	0,40	0,45	0,55	0,55	0,60	
	7.4 Alluminio Legato ≥ 10% Si - Alu Cast Alloy Si ≥ 10%	160-250	0,25	0,30	0,35	0,40	0,45	0,50	0,55	
8	6.1 Termoplastici - Thermoplastics									
	6.2 Plastiche termoindurenti - Thermosetting plastics									
	6.3 Plastiche rinforzate - Fibre reinforced plastics									

Gruppi Materiali: 1 - Acciaio 2 - Acciai Trattati 3 - Ghisa 4 - Leghe di Titanio 5 - Leghe di Nichel 6 - Leghe di Rame, Bronzo, Ottone 7 - Leghe di Alluminio 8 - Materie Plastiche

Groups: 1 - Steel 2 - Stainless Steel 3 - Cast Iron 4 - Titanium 5 - Nichel 6 - Copper 7 - Aluminium / Magnesium 8 - Plastics



ZYF-T-ALL 5xØ

Ø	Ø Gambo	L3	L2	L1	Cod.	€
10,0	10	40	60	102	TDZYFTAL5D100	105,00
10,2	12	45	73	120	TDZYFTAL5D102	148,00
10,3	12	45	73	120	TDZYFTAL5D103	148,00
10,5	12	45	73	120	TDZYFTAL5D105	148,00
10,8	12	45	73	120	TDZYFTAL5D108	148,00
11,0	12	45	73	120	TDZYFTAL5D110	148,00
11,5	12	45	73	120	TDZYFTAL5D115	148,00
11,8	12	45	73	120	TDZYFTAL5D118	148,00
12,0	12	45	73	120	TDZYFTAL5D120	148,00
12,5	14	45	78	125	TDZYFTAL5D125	194,00
12,8	14	45	78	125	TDZYFTAL5D128	194,00
13,0	14	45	78	125	TDZYFTAL5D130	194,00
13,5	14	45	78	125	TDZYFTAL5D135	194,00
13,8	14	45	78	125	TDZYFTAL5D138	194,00
14,0	14	45	78	125	TDZYFTAL5D140	194,00
14,5	16	48	85	135	TDZYFTAL5D145	250,00
15,0	16	48	85	135	TDZYFTAL5D150	250,00
15,3	16	48	85	135	TDZYFTAL5D153	250,00
15,5	16	48	85	135	TDZYFTAL5D155	250,00
16,0	16	48	85	135	TDZYFTAL5D160	250,00
16,5	18	48	95	145	TDZYFTAL5D165	329,00
17,0	18	48	95	145	TDZYFTAL5D170	329,00
17,5	18	48	95	145	TDZYFTAL5D175	329,00
18,0	18	48	95	145	TDZYFTAL5D180	329,00
18,5	20	50	103	155	TDZYFTAL5D185	410,00
19,0	20	50	103	155	TDZYFTAL5D190	410,00
19,5	20	50	103	155	TDZYFTAL5D195	410,00
20,0	20	50	103	155	TDZYFTAL5D200	410,00

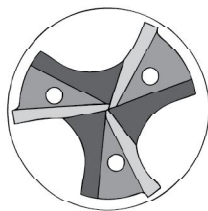
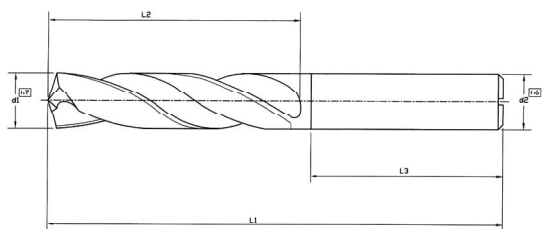
Altri diametri e misure a richiesta
Other diameters and length available on request
Autres diamètres sur demande



ZYF-T-ALL
180°

A richiesta
On request
Sur demande

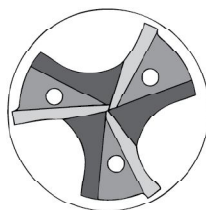
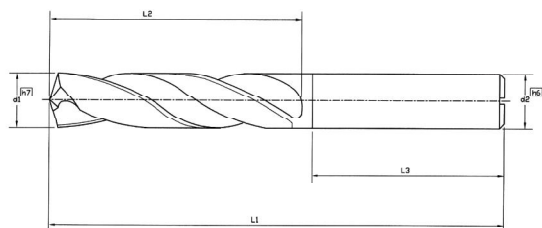
ZYF-T-ALL



ZYF-T-ALL 8xØ

Ø	Ø Gambo	L3	L2	L1	Cod.	€
10,0	10	40	94	134	TDZYFTAL8D100	183,00
10,2	12	45	110	157	TDZYFTAL8D102	238,00
10,3	12	45	110	157	TDZYFTAL8D103	238,00
10,5	12	45	110	157	TDZYFTAL8D105	238,00
10,8	12	45	110	157	TDZYFTAL8D108	238,00
11,0	12	45	110	157	TDZYFTAL8D110	238,00
11,5	12	45	110	157	TDZYFTAL8D115	238,00
11,8	12	45	110	157	TDZYFTAL8D118	238,00
12,0	12	45	110	157	TDZYFTAL8D120	238,00
12,5	14	45	134	181	TDZYFTAL8D125	308,00
12,8	14	45	134	181	TDZYFTAL8D128	308,00
13,0	14	45	134	181	TDZYFTAL8D130	308,00
13,5	14	45	134	181	TDZYFTAL8D135	308,00
13,8	14	45	134	181	TDZYFTAL8D138	308,00
14,0	14	45	134	181	TDZYFTAL8D140	308,00
14,5	16	48	155	205	TDZYFTAL8D145	410,00
15,0	16	48	155	205	TDZYFTAL8D150	410,00
15,3	16	48	155	205	TDZYFTAL8D153	410,00
15,5	16	48	155	205	TDZYFTAL8D155	410,00
16,0	16	48	155	205	TDZYFTAL8D160	410,00

Altri diametri e misure a richiesta
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Autres diamètres sur demande



ZYF-T-ALL 10 x Ø

Ø	Ø Gambo	L3	L2	L1	Cod.	€
10,0	10	40	113	155	TDZYFTAL10D100	199,00
10,5	12	45	118	165	TDZYFTAL10D105	262,00
11,0	12	45	118	165	TDZYFTAL10D110	262,00
11,5	12	45	128	175	TDZYFTAL10D115	262,00
12,0	12	45	128	175	TDZYFTAL10D120	262,00
12,5	14	45	143	190	TDZYFTAL10D125	338,00
13,0	14	45	143	190	TDZYFTAL10D130	338,00
13,5	14	45	143	190	TDZYFTAL10D135	338,00
14,0	14	45	158	205	TDZYFTAL10D140	352,00
14,5	16	48	158	205	TDZYFTAL10D145	440,00
15,0	16	48	170	220	TDZYFTAL10D150	452,00
15,5	16	48	170	220	TDZYFTAL10D155	452,00
16,0	16	48	170	220	TDZYFTAL10D160	452,00

Altri diametri e misure a richiesta
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Autres diamètres sur demande

