

TECHNO DRILL  
**HPT**®



Х-Т-Т-Т

 **Punta in metallo duro, per foratura profonda, con pattino di guida.**

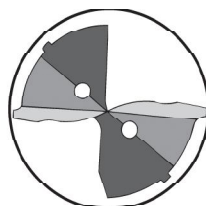
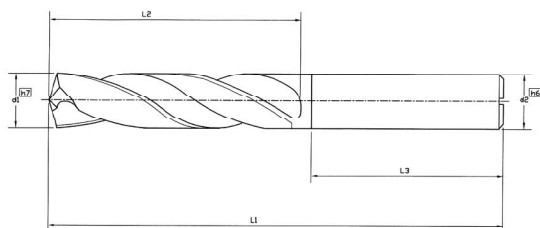
 **Solid carbide drill, for deep drilling, with mirror lapped groove.**

 **Foret cabure, pour perçage profond, avec goujures polies.**



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	180-200	0,15	0,20	0,25	0,30	0,33	0,35	0,38
	1.2 Acciaio da Costruzione - Structural Case Hardened Steel	140-180	0,15	0,20	0,25	0,30	0,33	0,35	0,38
	1.3 Acciaio al Carbonio - Carbon Steel	120-160	0,13	0,18	0,22	0,25	0,28	0,30	0,35
	1.4 Acciaio Legato - Alloy Steel	80-100	0,10	0,10	0,10	0,12	0,12	0,14	0,14
	1.5 Acciaio Legato Temprato - Alloy Heat Treated Steel	60-80	0,05	0,06	0,06	0,08	0,08	0,10	0,10
	1.6 Acciaio Legato Temprato - Alloy Heat Treated Steel	60-80	0,05	0,06	0,06	0,08	0,08	0,10	0,10
	1.7 Acciaio Legato 45 HRC - Hardened Steel to 45 HRC	60-80	0,05	0,06	0,06	0,08	0,08	0,10	0,10
	1.8 Acciaio Legato 58 HRC - Hardened Steel to 58 HRC	40-50	0,03	0,04	0,04	0,05	0,05	0,06	0,06
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	80-120	0,18	0,20	0,22	0,24	0,24	0,30	0,35
	3.2 Ghisa lamellare trattata - Grey Cast Iron heat treated								
	3.3 Ghisa sferoidale - Spher Cast Iron	100-160	0,20	0,22	0,24	0,26	0,26	0,32	0,38
	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	120-180	0,22	0,25	0,25	0,30	0,30	0,35	0,40
	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								
	6.2 Ottone, Bronzo - Short chip brass, bronze, red brass								
	6.3 Ottone a truciolo lungo - long chip brass								
	6.4 Bronzo alta resistenza - Cu-Al-Fe alloy (Amoco)								
7	7.1 Alluminio MG non legato - Alu MG Non Alloy								
	7.2 Alluminio Legato ≤ 5% Si - Alu Cast Alloy Si ≤ 5%								
	7.3 Alluminio Legato ≥ 5% ≤ 10 Si - Alu Cast Alloy Si ≥ 5% ≤ 10								
	7.4 Alluminio Legato ≥ 10% Si - Alu Cast Alloy Si ≥ 10%								
8	6.1 Termoplastici - Thermoplastics								
	6.2 Plastiche termoindurenti - Thermosettings plastics								
	6.3 Plastiche rinforzate - Fibre reinforced plastics								

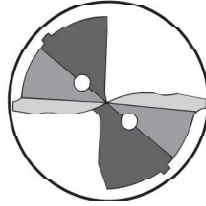
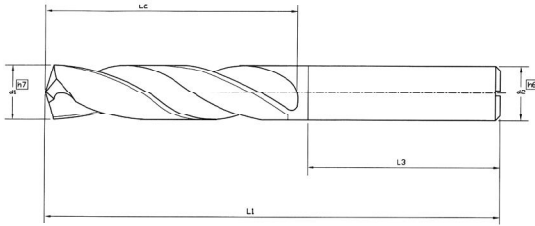
Gruppi Materiali: 1 - Acciaio 2 - Acciai Trattati 3 - Ghisa 4 - Leghe di Titanio 5 - Leghe di Nichel 6 - Leghe di Rame, Bronzo, Ottone 7 - Leghe di Alluminio 8 - Materie Plastiche  
 Groups: 1 - Steel 2 - Stainless Steel 3 - Cast Iron 4 - Titanium 5 - Nichel 6 - Copper 7 - Aluminium / Magnesium 8 - Plastics



## ZYF-X 5xØ

Ø	Ø Gambo	L3	L2	L1	Cod.	€
4,0	6	36	42	80	TDZYFX5D04000	64,00
4,2	6	36	42	80	TDZYFX5D04200	64,00
4,5	6	36	42	80	TDZYFX5D04500	64,00
4,8	6	36	42	80	TDZYFX5D04800	64,00
5,0	6	36	42	80	TDZYFX5D05000	64,00
5,1	6	36	42	80	TDZYFX5D05100	64,00
5,2	6	36	42	80	TDZYFX5D05200	64,00
5,5	6	36	42	80	TDZYFX5D05500	64,00
6,0	6	36	42	80	TDZYFX5D06000	64,00
6,5	8	36	42	90	TDZYFX5X06500	69,00
6,8	8	36	52	90	TDZYFX5D06800	69,00
7,0	8	36	52	90	TDZYFX5D07000	69,00
7,5	8	36	52	90	TDZYFX5D07500	69,00
7,8	8	36	52	90	TDZYFX5D07800	69,00
8,0	8	36	52	90	TDZYFX5D08000	69,00
8,1	10	40	60	102	TDZYFX5D08100	88,00
8,2	10	40	60	102	TDZYFX5D08200	88,00
8,5	10	40	60	102	TDZYFX5D08500	88,00
8,8	10	40	60	102	TDZYFX5D08800	88,00
9,0	10	40	60	102	TDZYFX5D09000	88,00
9,5	10	40	60	102	TDZYFX5D09500	88,00
9,8	10	40	60	102	TDZYFX5D09800	88,00
10,0	10	40	60	102	TDZYFX5D10000	88,00
10,2	12	45	73	120	TDZYFX5D10200	124,00
10,3	12	45	73	120	TDZYFX5D10300	124,00
10,5	12	45	73	120	TDZYFX5D10500	124,00
10,8	12	45	73	120	TDZYFX5D10800	124,00
11,0	12	45	73	120	TDZYFX5D11000	124,00
11,5	12	45	73	120	TDZYFX5D11500	124,00
11,8	12	45	73	120	TDZYFX5D11800	124,00
12,0	12	45	73	120	TDZYFX5D12000	124,00
12,5	14	45	78	125	TDZYFX5D12500	162,00
12,8	14	45	78	125	TDZYFX5D12800	162,00
13,0	14	45	78	125	TDZYFX5D13000	162,00
13,5	14	45	78	125	TDZYFX5D13500	162,00
13,8	14	45	78	125	TDZYFX5D13800	162,00
14,0	14	45	78	125	TDZYFX5D14000	162,00
14,5	16	48	85	135	TDZYFX5D14500	210,00
15,0	16	48	85	135	TDZYFX5D15000	210,00
15,3	16	48	85	135	TDZYFX5D15300	210,00
15,5	16	48	85	135	TDZYFX5D15500	210,00
16,0	16	48	85	135	TDZYFX5D16000	210,00
16,5	18	48	95	145	TDZYFX5D16500	278,00
17,0	18	48	95	145	TDZYFX5D17000	278,00
17,5	18	48	95	145	TDZYFX5D17500	278,00
18,0	18	48	95	145	TDZYFX5D18000	278,00
18,5	20	50	103	155	TDZYFX5D18500	344,00
19,0	20	50	103	155	TDZYFX5D19000	344,00
19,5	20	50	103	155	TDZYFX5D19500	344,00
20,0	20	50	103	155	TDZYFX5D20000	344,00

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

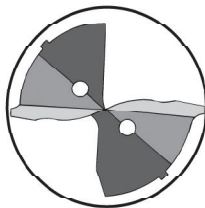
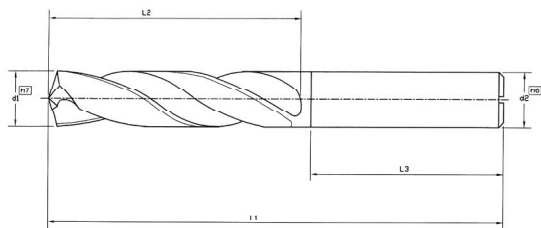


## ZYF-X 8 x Ø

Ø	Ø Gambo	L3	L2	L1	Cod.	€
5,0	6	36	57	95	TDZYFX8D05000	89,00
5,1	6	36	57	95	TDZYFX8D05100	89,00
5,2	6	36	57	95	TDZYFX8D05200	89,00
5,5	6	36	57	95	TDZYFX8D05500	89,00
6,0	6	36	57	95	TDZYFX8D06000	89,00
6,5	8	36	69	107	TDZYFX8D06500	118,00
6,8	8	36	69	107	TDZYFX8D06800	118,00
7,0	8	36	69	107	TDZYFX8D07000	118,00
7,5	8	36	69	107	TDZYFX8D07500	118,00
7,8	8	36	69	107	TDZYFX8D07800	118,00
8,0	8	36	69	107	TDZYFX8D08000	118,00
8,1	10	40	86	126	TDZYFX8D08100	164,00
8,2	10	40	86	126	TDZYFX8D08200	164,00
8,5	10	40	86	126	TDZYFX8D08500	164,00
8,8	10	40	86	126	TDZYFX8D08800	164,00
9,0	10	40	86	126	TDZYFX8D09000	164,00
9,5	10	40	94	134	TDZYFX8D09500	172,00
9,8	10	40	94	134	TDZYFX8D09800	172,00
10,0	10	40	94	134	TDZYFX8D10000	172,00
10,2	12	45	110	157	TDZYFX8D10200	216,00
10,3	12	45	110	157	TDZYFX8D10300	216,00
10,5	12	45	110	157	TDZYFX8D10500	216,00
10,8	12	45	110	157	TDZYFX8D10800	216,00
11,0	12	45	110	157	TDZYFX8D11000	216,00
11,5	12	45	110	157	TDZYFX8D11500	216,00
11,8	12	45	110	157	TDZYFX8D11800	216,00
12,0	12	45	110	157	TDZYFX8D12000	216,00
12,5	14	45	134	181	TDZYFX8D12500	278,00
12,8	14	45	134	181	TDZYFX8D12800	278,00
13,0	14	45	134	181	TDZYFX8D13000	278,00
13,5	14	45	134	181	TDZYFX8D13500	278,00
13,8	14	45	134	181	TDZYFX8D13800	278,00
14,0	14	45	134	181	TDZYFX8D14000	278,00
14,5	16	48	155	205	TDZYFX8D14500	369,00
15,0	16	48	155	205	TDZYFX8D15000	369,00
15,3	16	48	155	205	TDZYFX8D15300	369,00
15,5	16	48	155	205	TDZYFX8D15500	369,00
16,0	16	48	155	205	TDZYFX8D16000	369,00

**Altri diametri e misure a richiesta**  
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**Autres diamètres sur demande**

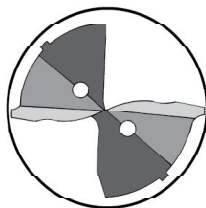
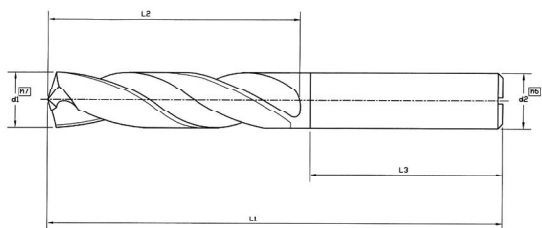
# ZYF-X



## ZYF-X 10xØ

Ø	Ø Gambo	L3	L2	L1	Cod.	€
5,0	6	36	62	100	TDZYFX10D0500	<b>114,00</b>
5,5	6	36	67	105	TDZYFX10D0550	<b>114,00</b>
6,0	6	36	67	105	TDZYFX10D0600	<b>114,00</b>
6,5	8	36	77	115	TDZYFX10D0650	<b>140,00</b>
7,0	8	36	77	115	TDZYFX10D0700	<b>140,00</b>
7,5	8	36	87	125	TDZYFX10D0750	<b>145,00</b>
8,0	8	36	87	125	TDZYFX10D0800	<b>145,00</b>
8,5	10	40	93	135	TDZYFX10D0850	<b>168,00</b>
9,0	10	40	98	140	TDZYFX10D0900	<b>168,00</b>
9,5	10	40	103	145	TDZYFX10D0950	<b>172,00</b>
10,0	10	40	113	155	TDZYFX10D1000	<b>184,00</b>
10,5	12	45	118	165	TDZYFX10D1050	<b>244,00</b>
11,0	12	45	118	165	TDZYFX10D1100	<b>244,00</b>
11,5	12	45	128	175	TDZYFX10D1150	<b>258,00</b>
12,0	12	45	128	175	TDZYFX10D1200	<b>258,00</b>
12,5	14	45	143	190	TDZYFX10D1250	<b>321,00</b>
13,0	14	45	143	190	TDZYFX10D1300	<b>321,00</b>
13,5	14	45	143	190	TDZYFX10D1350	<b>321,00</b>
14,0	14	45	158	205	TDZYFX10D1400	<b>330,00</b>
14,5	16	48	158	205	TDZYFX10D1450	<b>435,00</b>
15,0	16	48	170	220	TDZYFX10D1500	<b>466,00</b>
15,5	16	48	170	220	TDZYFX10D1550	<b>466,00</b>
16,0	16	48	170	220	TDZYFX10D1600	<b>466,00</b>

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

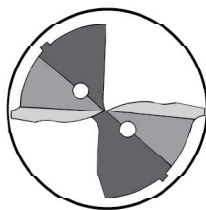
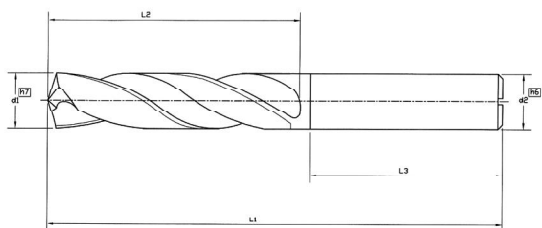


## ZYF-X 15 x Ø

Ø	Ø Gambo	L3	L2	L1	Cod.	€
5,0	6	36	88	126	TDZYFX15D0500	<b>139,00</b>
5,5	6	36	98	136	TDZYFX15D0550	<b>145,00</b>
6,0	6	36	107	145	TDZYFX15D0600	<b>156,00</b>
6,5	8	36	112	150	TDZYFX15D0650	<b>174,00</b>
7,0	8	36	117	155	TDZYFX15D0700	<b>179,00</b>
7,5	8	36	127	165	TDZYFX15D0750	<b>192,00</b>
8,0	8	36	137	175	TDZYFX15D0800	<b>200,00</b>
8,5	10	40	138	180	TDZYFX15D0850	<b>253,00</b>
9,0	10	40	148	190	TDZYFX15D0900	<b>266,00</b>
9,5	10	40	158	200	TDZYFX15D0950	<b>282,00</b>
10,0	10	40	168	210	TDZYFX15D1000	<b>297,00</b>
10,5	12	45	173	220	TDZYFX15D1050	<b>332,00</b>
11,0	12	45	183	230	TDZYFX15D1100	<b>350,00</b>
11,5	12	45	188	235	TDZYFX15D1150	<b>368,00</b>
12,0	12	45	193	240	TDZYFX15D1200	<b>394,00</b>
12,5	14	45	203	250	TDZYFX15D1250	<b>446,00</b>
13,0	14	45	208	255	TDZYFX15D1300	<b>468,00</b>
13,5	14	45	223	270	TDZYFX15D1350	<b>493,00</b>
14,0	14	45	243	290	TDZYFX15D1400	<b>517,00</b>
14,5	16	48	242	290	TDZYFX15D1450	<b>583,00</b>
15,0	16	48	252	300	TDZYFX15D1500	<b>608,00</b>
15,5	16	48	270	320	TDZYFX15D1550	<b>635,00</b>
16,0	16	48	270	320	TDZYFX15D1600	<b>635,00</b>

**Altri diametri e misure a richiesta**  
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**Autres diamètres sur demande**

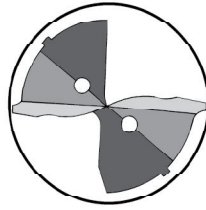
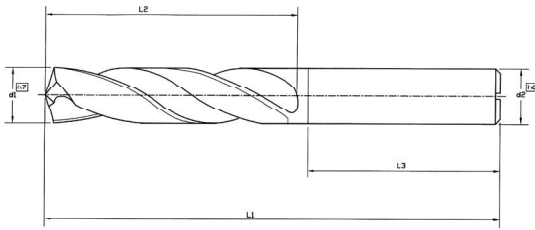
# ZYF-X



## ZYF-X 20 x Ø

Ø	Ø Gambo	L3	L2	L1	Cod.	€
5,0	6	36	112	150	TDZYFX20D0500	<b>170,00</b>
5,5	6	36	117	155	TDZYFX20D0550	<b>191,00</b>
6,0	6	36	127	165	TDZYDX20D0600	<b>216,00</b>
6,5	8	36	137	175	TDZYFX20D0650	<b>265,00</b>
7,0	8	36	152	190	TDZYFX20D0700	<b>289,00</b>
7,5	8	36	172	210	TDZYFX20D0750	<b>308,00</b>
8,0	8	36	182	220	TDZYFX20D0800	<b>325,00</b>
8,5	10	40	188	230	TDZYFX20D0850	<b>409,00</b>
9,0	10	40	198	240	TDZYFX20D0900	<b>426,00</b>
9,5	10	40	208	250	TDZYFX20D0950	<b>452,00</b>
10,0	10	40	213	255	TDZYFX20D1000	<b>470,00</b>
10,5	12	45	228	275	TDZYFX20D1050	<b>530,00</b>
11,0	12	45	238	285	TDZYFX20D1100	<b>544,00</b>
11,5	12	45	248	295	TDZYFX20D1150	<b>548,00</b>
12,0	12	45	263	310	TDZYFX20D1200	<b>566,00</b>

**Altri diametri e misure a richiesta**  
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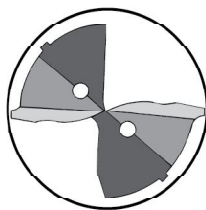
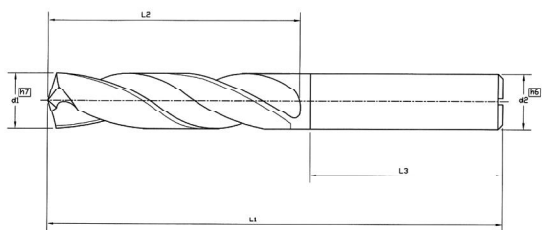
## ZYF-X 25 x Ø

Ø	Ø Gambo	L3	L2	L1	Cod.	€
5,0	6	36	142	180	TDZYFX25D0500	<b>240,00</b>
5,5	6	36	152	190	TDZYFX25D0550	<b>248,00</b>
6,0	6	36	167	205	TDZYFX25D0600	<b>272,00</b>
6,5	8	36	177	215	TDZYFX25D0650	<b>326,00</b>
7,0	8	36	192	230	TDZYFX25D0700	<b>352,00</b>
7,5	8	36	202	240	TDZYFX25D0750	<b>378,00</b>
8,0	8	36	217	255	TDZYFX25D0800	<b>402,00</b>
8,5	10	40	228	270	TDZYFX25D0850	<b>462,00</b>
9,0	10	40	238	280	TDZYFX25D0900	<b>480,00</b>
9,5	10	40	258	300	TDZYFX25D0950	<b>504,00</b>
10,0	10	40	268	310	TDZYFX25D1000	<b>536,00</b>

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



# ZYF-X



## ZYF-X 30 x Ø

Ø	Ø Gambo	L3	L2	L1	Cod.	€
5,0	6	36	162	200	TDZYFX30D0500	<b>298,00</b>
5,5	6	36	178	216	TDZYFX30D0550	<b>314,00</b>
6,0	6	36	197	235	TDZYFX30D0600	<b>346,00</b>
6,5	8	36	212	250	TDZYFX30D0650	<b>408,00</b>
7,0	8	36	227	265	TDZYFX30D0700	<b>438,00</b>
7,5	8	36	242	280	TDZYFX30D0750	<b>464,00</b>
8,0	8	36	262	300	TDZYFX30D0800	<b>498,00</b>

**Altri diametri e misure a richiesta**  
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