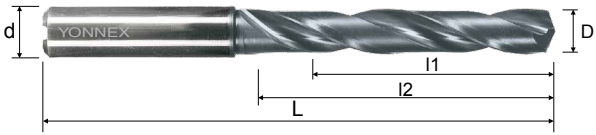

D m7

DIN 6537

3xD | MICRO CARBIDE | Z 2 | h6 | N type | 311 | XSPRINT

CODE	ØD	d	L	l1	l2
Y10003100300	3,00	6,0	62	14,0	20,0
Y10003100310	3,10	6,0	62	14,0	20,0
Y10003100320	3,20	6,0	62	14,0	20,0
Y10003100330	3,30	6,0	62	14,0	20,0
Y10003100340	3,40	6,0	62	14,0	20,0
Y10003100350	3,50	6,0	62	14,0	20,0
Y10003100360	3,60	6,0	62	14,0	20,0
Y10003100370	3,70	6,0	62	14,0	20,0
Y10003100380	3,80	6,0	66	14,0	24,0
Y10003100390	3,90	6,0	66	14,0	24,0
Y10003100400	4,00	6,0	66	14,0	24,0
Y10003100410	4,10	6,0	66	19,0	24,0
Y10003100420	4,20	6,0	66	19,0	24,0
Y10003100430	4,30	6,0	66	19,0	24,0
Y10003100440	4,40	6,0	66	19,0	24,0
Y10003100450	4,50	6,0	66	19,0	24,0
Y10003100460	4,60	6,0	66	19,0	24,0
Y10003100470	4,70	6,0	66	19,0	24,0
Y10003100480	4,80	6,0	66	19,0	28,0
Y10003100490	4,90	6,0	66	19,0	28,0
Y10003100500	5,00	6,0	66	19,0	28,0
Y10003100510	5,10	6,0	66	19,0	28,0

Acciai non legati a basso tenore di carbonio Steel non-alloyed, low carbon steel	Acciai non legati bonificati Steel non-alloyed, hardening & quenching steel	Acciai per utensili altamente legati Tools steel high alloyed	Acciai temprati Hardened Steels ~40HRC	Acciai inossidabili ferritici e martensitici Stainless steel, ferritic steel, martensitic steel	Acciai inossidabili austenitici Stainless steel, austenitic steel	Ghisa, Ghisa duttile Cast iron, Ductile cast iron	Ghisa sferoidale Spheroidal graphite iron	Leghe di alluminio Alluminium alloys	Leghe di rame Copper alloys	Materiali non ferrosi Non-ferrous material	Leghe di titanio Titanium alloys	Leghe resistenti al calore Heat-resisting alloy
●	●	●		○	○	●	●		○	○		

CODE	ØD	d	L	l1	l2
Y10003100520	5,20	6,0	66	19,0	28,0
Y10003100530	5,30	6,0	66	19,0	28,0
Y10003100540	5,40	6,0	66	19,0	28,0
Y10003100550	5,50	6,0	66	19,0	28,0
Y10003100560	5,60	6,0	66	19,0	28,0
Y10003100570	5,70	6,0	66	19,0	28,0
Y10003100580	5,80	6,0	66	19,0	28,0
Y10003100590	5,90	6,0	66	19,0	28,0
Y10003100600	6,00	6,0	66	19,0	28,0
Y10003100610	6,10	8,0	79	25,0	34,0
Y10003100620	6,20	8,0	79	25,0	34,0
Y10003100630	6,30	8,0	79	25,0	34,0
Y10003100640	6,40	8,0	79	25,0	34,0
Y10003100650	6,50	8,0	79	25,0	34,0
Y10003100660	6,60	8,0	79	25,0	34,0
Y10003100670	6,70	8,0	79	25,0	34,0
Y10003100680	6,80	8,0	79	25,0	34,0
Y10003100690	6,90	8,0	79	25,0	34,0
Y10003100700	7,00	8,0	79	25,0	34,0
Y10003100710	7,10	8,0	79	25,0	41,0
Y10003100720	7,20	8,0	79	25,0	41,0
Y10003100730	7,30	8,0	79	25,0	41,0
Y10003100740	7,40	8,0	79	25,0	41,0
Y10003100750	7,50	8,0	79	25,0	41,0
Y10003100760	7,60	8,0	79	25,0	41,0
Y10003100770	7,70	8,0	79	25,0	41,0
Y10003100780	7,80	8,0	79	25,0	41,0
Y10003100790	7,90	8,0	79	25,0	41,0
Y10003100800	8,00	8,0	79	25,0	41,0
Y10003100810	8,10	10,0	89	30,0	47,0
Y10003100820	8,20	10,0	89	30,0	47,0

Acciai non legati a basso tenore di carbonio Steel non-alloyed, low carbon steel	Acciai non legati bonificati Steel non-alloyed, hardening & quenching steel	Acciai per utensili altamente legati Tools steel high alloyed	Acciai temprati Hardened Steels ~40HRC	Acciai inossidabili ferretici e martensitici Stainless steel, ferritic steel, martensitic steel	Acciai inossidabili austenitici Stainless steel, austenitic steel	Ghisa, Ghisa duttile Cast iron, Ductile cast iron	Ghisa sferoidale Spheroidal graphite iron	Leghe di alluminio Alluminium alloys	Leghe di rame Copper alloys	Materiali non ferrosi Non-ferrous material	Leghe di titanio Titanium alloys	Leghe resistenti al calore Heat-resisting alloy
●	●	●		○	○	●	●		○	○		

CODE	ØD	d	L	l1	l2
Y10003100830	8,30	10,0	89	30,0	47,0
Y10003100840	8,40	10,0	89	30,0	47,0
Y10003100850	8,50	10,0	89	30,0	47,0
Y10003100860	8,60	10,0	89	30,0	47,0
Y10003100870	8,70	10,0	89	30,0	47,0
Y10003100880	8,80	10,0	89	30,0	47,0
Y10003100890	8,90	10,0	89	30,0	47,0
Y10003100900	9,00	10,0	89	30,0	47,0
Y10003100910	9,10	10,0	89	30,0	47,0
Y10003100920	9,20	10,0	89	30,0	47,0
Y10003100930	9,30	10,0	89	30,0	47,0
Y10003100940	9,40	10,0	89	30,0	47,0
Y10003100950	9,50	10,0	89	30,0	47,0
Y10003100960	9,60	10,0	89	30,0	47,0
Y10003100970	9,70	10,0	89	30,0	47,0
Y10003100980	9,80	10,0	89	30,0	47,0
Y10003100990	9,90	10,0	89	30,0	47,0
Y10003101000	10,00	10,0	89	30,0	47,0
Y10003101010	10,10	12,0	102	36,0	55,0
Y10003101020	10,20	12,0	102	36,0	55,0
Y10003101030	10,30	12,0	102	36,0	55,0
Y10003101040	10,40	12,0	102	36,0	55,0
Y10003101050	10,50	12,0	102	36,0	55,0
Y10003101060	10,60	12,0	102	36,0	55,0
Y10003101070	10,70	12,0	102	36,0	55,0
Y10003101080	10,80	12,0	102	36,0	55,0
Y10003101090	10,90	12,0	102	36,0	55,0
Y10003101100	11,00	12,0	102	36,0	55,0
Y10003101110	11,10	12,0	102	36,0	55,0
Y10003101120	11,20	12,0	102	36,0	55,0
Y10003101130	11,30	12,0	102	36,0	55,0

Acciai non legati a basso tenore di carbonio Steel non-alloyed, low carbon steel	Acciai non legati bonificati Steel non-alloyed, hardening & quenching steel	Acciai per utensili altamente legati Tools steel high alloyed	Acciai temprati Hardened Steels ~40HRC	Acciai inossidabili ferretici e martensitici Stainless steel, ferritic steel, martensitic steel	Acciai inossidabili austenitici Stainless steel, austenitic steel	Ghisa, Ghisa duttile Cast iron, Ductile cast iron	Ghisa sferoidale Spheroidal graphite iron	Leghe di alluminio Alluminium alloys	Leghe di rame Copper alloys	Materiali non ferrosi Non-ferrous material	Leghe di titanio Titanium alloys	Leghe resistenti al calore Heat-resisting alloy
●	●	●		○	○	●	●		○	○		

CODE	ØD	d	L	l1	l2
Y10003101140	11,40	12,0	102	36,0	55,0
Y10003101150	11,50	12,0	102	36,0	55,0
Y10003101160	11,60	12,0	102	36,0	55,0
Y10003101170	11,70	12,0	102	36,0	55,0
Y10003101180	11,80	12,0	102	36,0	55,0
Y10003101190	11,90	12,0	102	36,0	55,0
Y10003101200	12,00	12,0	102	36,0	55,0
Y10003101230	12,30	14,0	107	38,0	60,0
Y10003101250	12,50	14,0	107	38,0	60,0
Y10003101280	12,80	14,0	107	38,0	60,0
Y10003101300	13,00	14,0	107	38,0	60,0
Y10003101350	13,50	14,0	107	38,0	60,0
Y10003101380	13,80	14,0	107	38,0	60,0
Y10003101400	14,00	14,0	107	38,0	60,0
Y10003101450	14,50	16,0	115	43,0	65,0
Y10003101480	14,80	16,0	115	43,0	65,0
Y10003101500	15,00	16,0	115	43,0	65,0
Y10003101550	15,50	16,0	115	43,0	65,0
Y10003101580	15,80	16,0	115	43,0	65,0
Y10003101600	16,00	16,0	115	43,0	65,0
Y10003101650	16,50	18,0	123	49,0	73,0
Y10003101680	16,80	18,0	123	49,0	73,0
Y10003101700	17,00	18,0	123	49,0	73,0
Y10003101750	17,50	18,0	123	49,0	73,0
Y10003101780	17,80	18,0	123	49,0	73,0
Y10003101800	18,00	18,0	123	49,0	73,0
Y10003101850	18,50	20,0	131	53,0	79,0
Y10003101900	19,00	20,0	131	53,0	79,0
Y10003101950	19,50	20,0	131	53,0	79,0
Y10003101980	19,80	20,0	131	53,0	79,0
Y10003102000	20,00	20,0	131	53,0	79,0

Acciai non legati a basso tenore di carbonio Steel non-alloyed, low carbon steel	Acciai non legati bonificati Steel non-alloyed, hardening & quenching steel	Acciai per utensili altamente legati Tools steel high alloyed	Acciai temprati Hardened Steels ~40HRC	Acciai inossidabili ferretici e martensitici Stainless steel, ferritic steel, martensitic steel	Acciai inossidabili austenitici Stainless steel, austenitic steel	Ghisa, Ghisa duttile Cast iron, Ductile cast iron	Ghisa sferoidale Spheroidal graphite iron	Leghe di alluminio Alluminium alloys	Leghe di rame Copper alloys	Materiali non ferrosi Non-ferrous material	Leghe di titanio Titanium alloys	Leghe resistenti al calore Heat-resisting alloy
●	●	●		○	○	●	●		○	○		

VALORI INDICATIVI PER FORATURA
CON PUNTE IN METALLO DURO **SENZA FORI DI LUBRIFICAZIONE**
INDICATIVE VALUES FOR DRILLING WITH CARBIDE DRILL WITHOUT COOLANT HOLES

MATERIALI MATERIAL	Vc m/min.	Fz Ø4	Fz Ø6	Fz Ø8	Fz Ø10	Fz Ø12	Fz Ø14	Fz Ø16	Fz Ø18	Fz Ø20	Utensile Tool
Acciai fino a 700N/mm² - Steel < 700 N/mm² Tipo : St 37-2-C35-9SMnPb28- 6MnCr5G-Fe37-C10 AISI : 1035-2012-1212-1010-5115	60/140	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	Y100 Y105
Acciai da 700 a 900N/mm² - Steel 700- 900N/mm² Tipo : C45V-C60U.N-36Mn5V-38MnSi4V-31NiCr14V-34Cr4V AISI : 1045-1060-1146-3310-3415-9314-5132	60/100	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	Y100 Y105
Acciai da 900 a 1200N/mm2 - Steel 900-1200N/mm2 Tipo : 46MnSi4V-36NiCr10V-36CrNiMo4V-42CrMo4V-50CrV4V AISI : 5140-4140-4142-4340-9840-6145-6150	40/80	0.08	0.12	0.16	0.20	0.24	0.28	0.32	0.36	0.40	Y100 Y105
Acciai superiori a 1200 N/mm² - Steel >1200N/mm² Tipo : 60SiMn5-55NiCrMoV6V-58CrV4 AISI : 9260-P600-300M	20/60	0.05	0.08	0.11	0.14	0.17	0.20	0.23	0.26	0.29	Y100 Y105
Acciai Inox buona lavorabilità - Stainless steel good working Tipo : X6CrAl13-X10Cr13-X20Cr13-X46Cr13 AISI : 301-316-317	15/40	0.04	0.06	0.08	0.10	0.12	0.14	0.16	0.18	0.20	Y100 Y105
Acciai Inox difficile lavorabilità - Stainless steel hard working Tipo : X10CrNiS189-X12CrNi18-8-X5IrNi18-9	10/30	0.03	0.05	0.07	0.09	0.11	0.13	0.15	0.17	0.19	Y100 Y105
Ghisa Grigia bassa durezza - Gray Iron low hardness Tipo : GG10-GG15-GG20	100/180	0.08	0.15	0.22	0.29	0.36	0.43	0.50	0.57	0.64	Y100 Y105
Ghisa malleabile media durezza - Malleable Cast Iron Tipo : GG25-GG30-GG35-GG40	70/120	0.06	0.12	0.18	0.24	0.30	0.36	0.42	0.48	0.54	Y100 Y105
Ghisa nodulare alta durezza - Nodular Cast Iron Tipo : GS400-GS500	40/80	0.04	0.08	0.12	0.16	0.20	0.24	0.28	0.32	0.36	Y100 Y105
Ghisa di difficile lavorabilità - Cast Iron hard working Tipo : GS600	20/60	0.03	0.06	0.09	0.12	0.15	0.18	0.21	0.24	0.27	Y100 Y105
Alluminio con Si <15% - Aluminium Si < 15% Tipo : AlMgSiPb-AlMgSi1-AlMg3-AlSi5Mg-AlSi6Cu4-G-AlSi12	80/300	0.20	0.25	0.3	0.35	0.40	0.45	0.50	0.55	0.60	Y100
Alluminio con Si >15% - Aluminium Si > 15% Tipo : AlMgSiPb-AlMgSi1-AlMg3-AlSi5Mg-AlSi6Cu4-G-AlSi12	60/180	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	Y100 Y105
Ottone / Zinco - Brass / Zinc Tipo : CuZn39Pb2-CuZn40Pb2-CuZn36Pb1-OT52-OT58-GDZnA14	80/160	0.06	0.12	0.18	0.24	0.30	0.36	0.42	0.48	0.54	Y100 Y105
Bronzo Cupro / Nickel - Bronze / Nickel Tipo : CuSn6(SnBz6)-G-CuSn10Zn(Rg10)-G-CuSn7ZnPb(Rg7)	60/100	0.13	0.18	0.23	0.28	0.33	0.38	0.43	0.48	0.52	Y100 Y105
Titanio Ti/6Al/4V - Titanium Tipo : Ti99,7-TiCu2	10/50	0.05	0.08	0.10	0.13	0.15	0.18	0.20	0.22	0.24	Y100