

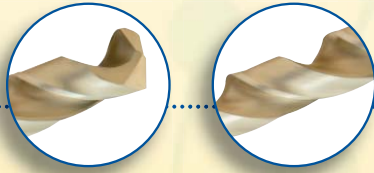
Zirkonio



- New Zirkonio (Zrn) coating
- Autocentering
- Portable Drilling Machine

- 130° Special Point
- Very Corrosion Resistant
- No Built-Up Edge

Ref. **1015**



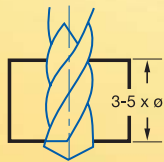
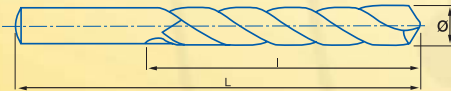
Latest generation Zirkonio coating by PVD

- Based on ZRN
- Low Friction Coefficient
- Very Corrosion Resistant
- Appropriate for Non Ferrous Materials
- Built-Up Edge avoided

Special
**Multi
METAL**

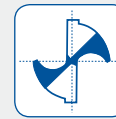
130° Point Angle

- Autocentering
- Ideal Portable Drilling Machine
- Special Geometry designed for reducing cutting effort



HSS
+
Zirkonio

DIN
338 N



<850 N/mm² Steel

Cast Iron

Aluminium



Material		Vc	Feed mm/rev.									
Group	Subgroup		Zirkonio	Ø 2	Ø 3	Ø 4	Ø 5	Ø 6	Ø 8	Ø 10	Ø 12	Ø 16
1. Steel	1.1 <850 N/mm ² Steel	33-40		0,045	0,055	0,070	0,080	0,100	0,120	0,150	0,160	0,180
	3.1 <700 N/mm ²	40-45		0,060	0,090	0,100	0,120	0,150	0,180	0,210	0,250	0,300
3. Cast Iron	3.2 >700<1000 N/mm ²	33-40		0,050	0,070	0,080	0,100	0,120	0,140	0,170	0,200	0,240
	6.1 Unalloyed Al - Mg	80-105		0,080	0,110	0,130	0,150	0,190	0,220	0,260	0,320	0,380
6.2 Al Alloys Si < 10%			0,080	0,110	0,130	0,150	0,190	0,220	0,260	0,320	0,380	
6.3 Al Alloys Si < 10%			0,060	0,090	0,100	0,120	0,150	0,180	0,210	0,250	0,300	

Vc= m/min.

$$\text{r.p.m.} = \frac{\text{Vc} \times 1.000}{\pi \times \phi}$$

Ø mm	L mm	I mm	IZAR	Nº Art. Zirkonio	€	Ø mm	L mm	I mm	IZAR	Nº Art. Zirkonio	€	Ø mm	L mm	I mm	IZAR	Nº Art. Zirkonio	€
1,00	34	12	10	59101	1,30	4,25	75	43	10	59134	1,62	8,50	117	75	5	59158	4,03
1,50	40	18	10	59103	1,17	4,50	80	47	10	59137	1,67	9,00	125	81	5	59161	5,14
2,00	49	24	10	59100	1,22	5,00	86	52	10	58831	1,75	9,50	125	81	5	59163	5,33
2,50	57	30	10	59104	1,22	5,20	86	52	10	59139	2,09	10,00	133	87	5	59164	5,85
3,00	61	33	10	59115	1,19	5,50	93	57	10	59140	2,22	10,20	133	87	1	59166	8,29
3,20	65	36	10	59118	1,45	6,00	93	57	10	59145	2,37	10,50	133	87	1	59167	8,29
3,25	65	36	10	59121	1,45	6,50	101	63	10	59148	2,84	11,00	142	94	1	59170	9,16
3,30	65	36	10	59124	1,45	6,80	109	69	10	59149	3,31	11,50	142	94	1	59172	10,95
3,50	70	39	10	59127	1,44	7,00	109	69	10	59151	3,10	12,00	151	101	1	59173	11,71
4,00	75	43	10	59131	1,55	7,50	109	69	10	59155	3,31	12,50	151	101	1	59176	14,27
4,20	75	43	10	59133	1,62	8,00	117	75	10	59157	3,87	13,00	151	101	1	59179	14,61

Ref. **1462**



Cont. Ø Nº Art. €
6 Pcs: 2 - 3 - 4 - 5 - 6 - 8 mm 59236 13,76

Ref. **1466**



Cont. Ø Nº Art. €
19 Pcs: 1 - 10 x 0,5 mm 59234 53,03

Ref. **1456**



Cont. Ø Nº Art. €
25 Pcs: 1 - 13 x 0,5 mm 59235 123,18