

LE NUOVE PUNTE
RICOPERTE PER LA
GRANDE INDUSTRIA



THE NEW COATED
BITS FOR LARGE
SCALE INDUSTRY



RIVESTIMENTO SUPERFICIALE ANTIATTRITO DLC

Il rivestimento superficiale DLC (**Diamond Like Carbon**) è studiato per le produzioni in larga scala e permette di fronteggiare i problemi legati all'abrasione dell'utensile, allo scorrimento del truciolo e all'aggressione chimica. Le gole dell'utensile vengono dapprima lappate e poi ricoperte con uno strato inferiore ad **1 micron**, senza alterarne la geometria. L'elevata durezza nasce dalla simultanea presenza di carbonio ibridizzato SP2 + SP3 (grafite + diamante)..

MAGGIORE DURATA

Durata dell'utensile **4 volte superiore** rispetto alla stessa punta in HW integrale senza il rivestimento e fino a **9 volte superiore** rispetto alla punta standard con la cuspide in HW saldobrasata. Testate per 8 mesi su truciolo grezzo con rivestimento, assicurano più di **150.000 fori!**



PERFORMANCE ECCELLENTE SU OGNI MATERIALE

Indicate per forare ogni tipo di legno, truciolare e laminato, hanno dato risultati eccellenti anche per lavorazioni gravose su materiali abrasivi e difficili da lavorare.



MIGLIORE PRODUTTIVITÀ

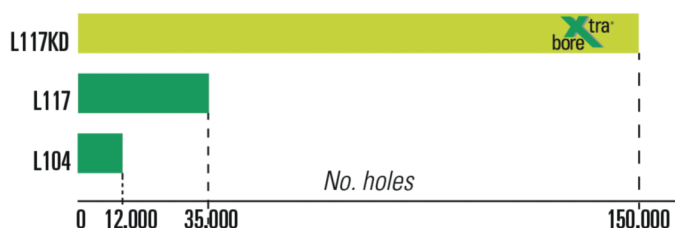
La diminuzione drastica dei costi di manutenzione (minor numero di affilature) e il relativo risparmio di tempo nel cambio dell'utensile, assicurano una maggiore produttività al vostro ciclo produttivo.

DLC DIAMOND ANTIFRICTION COATING

DLC (**Diamond Like Carbon**) coating is thought for large-scale production. It solves the problem of chip ejection and provides a longer tool life. Cutting edges are firstly polished to mirror finish and then covered with a layer of **less than 1 micron** without altering dimensions. Its high hardness is granted by both Sp2 (Graphite) and Sp3 (Diamond) Carbon hybridization.

LONGER TOOL LIFE

Life time is increased **up to 4 times** compared to the same uncoated bits and **up to 9 times** compared to standard dowel drills. They have been tested for 8 months working on melamine panels with the incredible result of **150.000 bores!**



EXCELLENT PERFORMANCE ON EVERY KIND OF MATERIAL

Suitable for working every kind of wood, particle boards and laminates. Particularly suitable when working abrasive material, MDF, HPL and melamine.



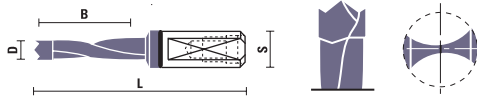
GREATER PRODUCTIVITY

A less number of resharpening (lower maintenance costs) and the relative time savings, ensure an increased productivity to your facility.

Authorised Suppliers & Distributors for India

VHW DOWEL DRILLS Z=2, Klein^{DIA} COATED

ART. L116.KD - L117.KD



Xtra[®]
bore

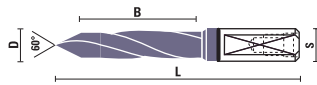
Tool life 4 times longer than uncoated tools

- **EXTRA TIME** grinding tool (rounded spurs and reinforced centering point)
- **Solid carbide spiral portion** (with 2-flutes)
- **Polished and coated cutting edge** for improved chip evacuation and less friction
- **Special HW** more resistant
- **Excellent finish and longer tool life** for excellent performance
- For natural wood, pressed wood, veneered, chipboard, laminated and MDF
- Suggested also for working Trespa[®] and melamine panels

Rot. Dx/Rh Rot.	Rot. Sx/Lh Rot.	D	B	L	S
L116.030.RKD	L116.030.LKD	3	20	57,5	10X32
L116.040.RKD	L116.040.LKD	4	23	57,5	10X27
L116.050.RKD	L116.050.LKD	5	23	57,5	10X27
L116.060.RKD	L116.060.LKD	6	23	57,5	10X27
L116.080.RKD	L116.080.LKD	8	23	57,5	10X27
L117.030.RKD	L117.030.LKD	3	20	70	10x38
L117.040.RKD	L117.040.LKD	4	30	70	10x30
L117.050.RKD	L117.050.LKD	5	30	70	10x30
L117.060.RKD	L117.060.LKD	6	30	70	10x30
L117.080.RKD	L117.080.LKD	8	30	70	10x30

VHW THROUGH HOLE DRILL BITS Z=2, Klein^{DIA} COATED

ART. L129.KD



Xtra[®]
bore

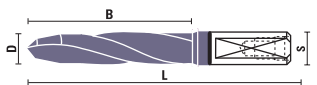
Tool life 4 times longer than uncoated tools

- **Solid carbide spiral portion** (with 2-flutes)
- **Excellent finish and longer tool life**
- **Polished and coated cutting edge** for improved chip evacuation and less friction
- For natural wood, pressed wood, veneered, chipboard, laminated and MDF
- **Best choice when working panels with special coating**

Rot. Dx/Rh Rot.	Rot. Sx/Lh Rot.	D	B	L	S
L129.050.RKD	L129.050.LKD	5	30	70	10x30

VHW THROUGH HOLE DRILL BITS Z=2 "E.T." LINE, Klein^{DIA} COATED

ART. L134.KD - L135.KD



Xtra[®]
bore

Tool life 4 times longer than uncoated tools

- **EXTRA TIME** grinding tool (high performance thanks to the double angle geometry)
- **Solid carbide spiral portion** (with 2 flutes)
- **Polished and coated cutting edge** for improved chip evacuation and less friction
- **Excellent finish and longer tool life**
- **High performance** thanks to its double angle geometry
- **Special HW** more resistant
- For natural and pressed wood, veneered and laminated panels, chipboard and MDF

Rot. Dx/Rh Rot.	Rot. Sx/Lh Rot.	D	B	L	S
L134.050.RKD	L134.050.LKD	5	28	58	10x20
L134.080.RKD	L134.080.LKD	8	28	58	10x20
L135.040.RKD	L135.040.LKD	4	40	70	10x20
L135.050.RKD	L135.050.LKD	5	40	70	10x20
L135.060.RKD	L135.060.LKD	6	40	70	10x20
L135.080.RKD	L135.080.LKD	8	40	70	10x20



Z051.302.R



Z059.001.L



Z059.001.R

Su richiesta
on request



Z051.505.R



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