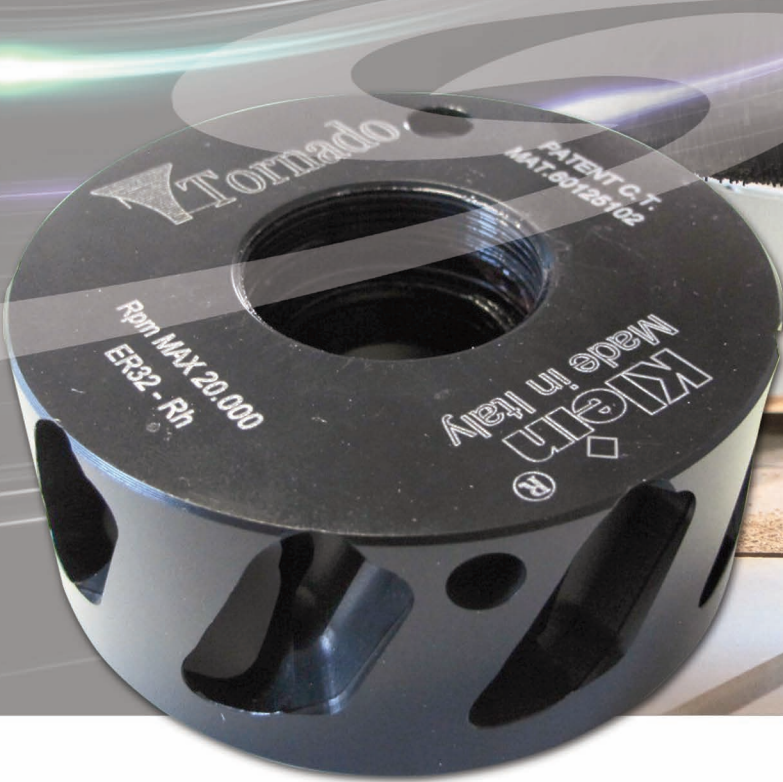




# Tornado

## DUST & CHIP EXTRACTION NUT



### **Removes MDF and chipboard dust preventing their accumulation from the workpiece**

- Recommended for Nesting and Routing operations
- No wasted time during work process
- Replaces the standard clamping nut
- Suitable for any collet chucks with standard router bits
- Available for ER32 - ER40 - ER25 - EOC25 (DIN 6388) spring collets
- Better air quality
- Light and noiseless

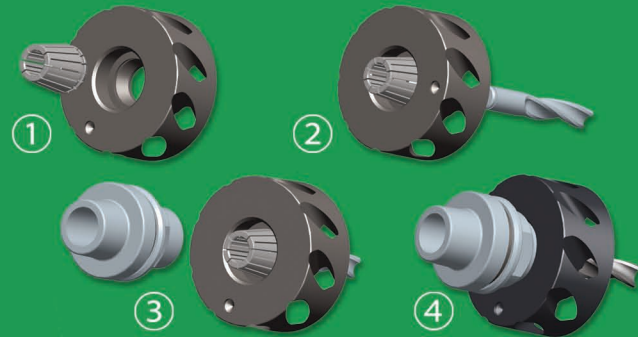
Partner



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### *Easy to mount like a standard clamping nut*



### *Working with Tornado*



### *Working without Tornado*



Watch the Video on  
**YouTube**

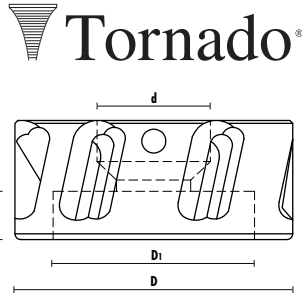


**“DUST & CHIP EXTRACTION NUT”**

ART. T139

- Tool body in light alloy
- Surface hardening treatment
- Suitable for every type of collet chuck (HSK, ISO, BT, ...)
- Maximum tool diameter 70 mm
- Maximum speed rotation at 20.000 RPM
- Balanced at G2,5
- Weight 0,4 kg
- Single packed in carton box

Watch the Video on



Item	Type	D	D <sub>1</sub>	B	B <sub>1</sub>	d	Rot.
T139.501.R	DIN6499 (ER32)	98	74	42	17	M 40x1,5	Dx/Rh
T139.502.R	DIN6499 (ER40)	98	74	42	17	M 50x1,5	Dx/Rh
T139.503.R	DIN6499 (ER25)	98	74	42	17	M 32x1,5	Dx/Rh
T139.522.R	DIN6388 (EOC25)	98	74	42	17	M 48x2	Dx/Rh
T139.581.R	DIN6499 (ER32)	80	64	42	13	M 40x1,5	Dx/Rh

**DUST & CHIP EXTRACTION NUT SET**

ART. X139



- Complete with:  
n° 1 extraction nut  
n° 1 wrench:  
Ø 98= key 95/100  
Ø 80= key 80/90
- Carton box

Item	Description	Type
X139.501.R	T139.501.R + Z052.315.N	DIN6499 (ER32)
X139.502.R	T139.502.R + Z052.315.N	DIN6499 (ER40)
X139.503.R	T139.503.R + Z052.315.N	DIN6499 (ER25)
X139.522.R	T139.522.R + Z052.315.N	DIN6388 (EOC25)
X139.581.R	T139.581.R + Z052.314.N	DIN6499 (ER32)

**DUST & CHIP EXTRACTION NUT SET**

ART. X139

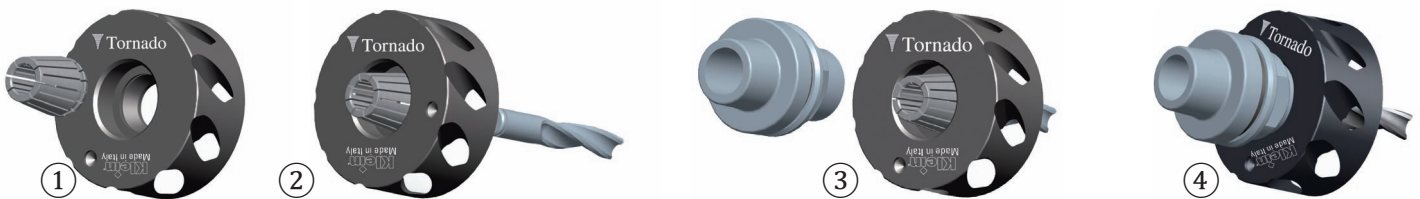


- Complete with:  
n° 2 extraction nuts  
(ER32 - ER40)  
n° 1 wrench 95/100
- Carton box

Item	Description
X139.990.R	T139.501.R + T139.502.R + Z052.315.N

**Tornado:** the new conveyor clamping nut helps both dust and chip evacuation during Nesting and conventional CNC Routing operations. Easy to assemble directly on the collet chuck instead of the standard nut, the new Klein Tornado provides a big improvement of dust evacuation, removing it from the workpiece directly into the centralized extraction system of the CNC machines.

**EASY TO MOUNT LIKE A STANDARD NUT**



**WORKING WITH TORNADO**



**WORKING WITHOUT TORNADO**

