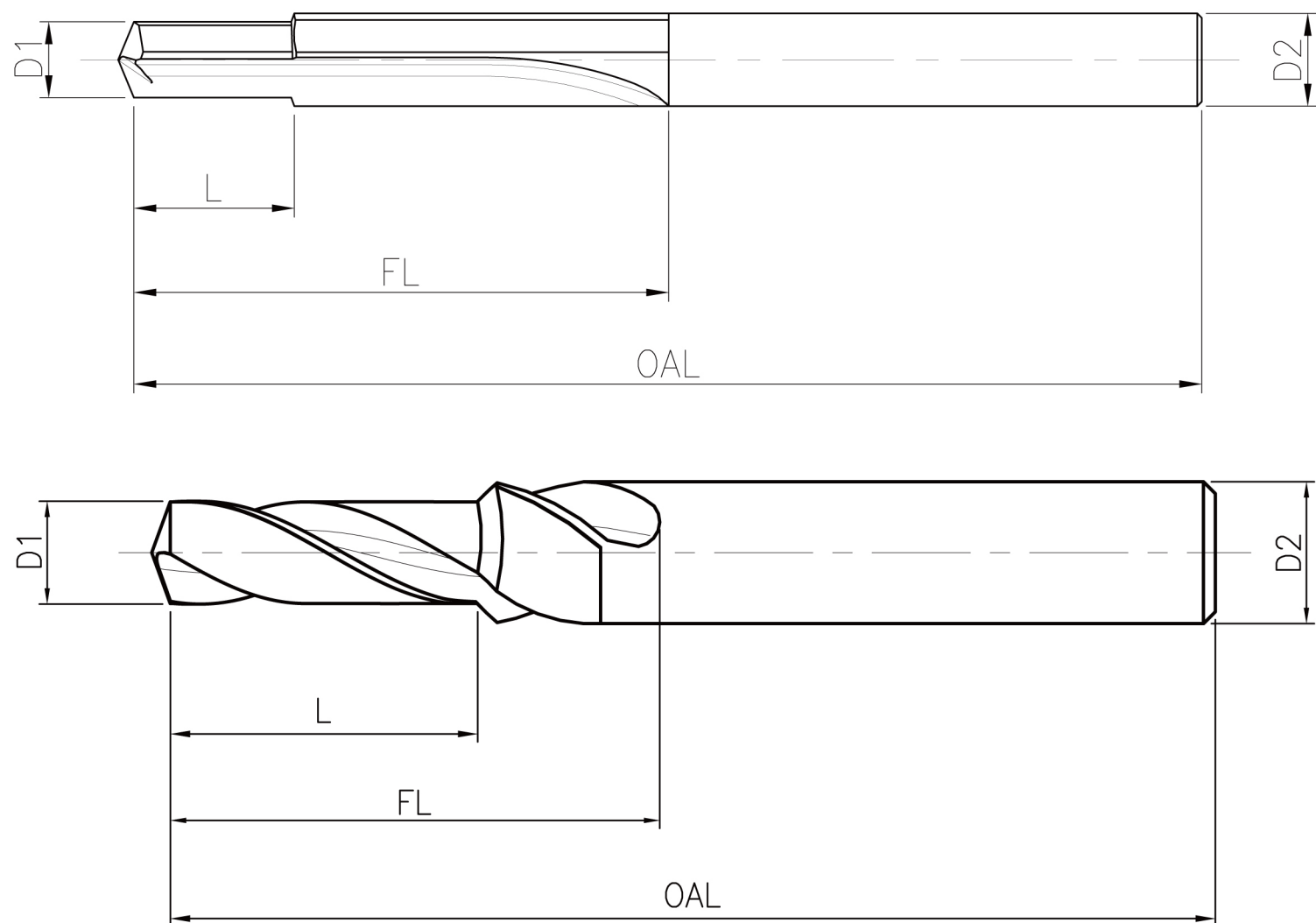
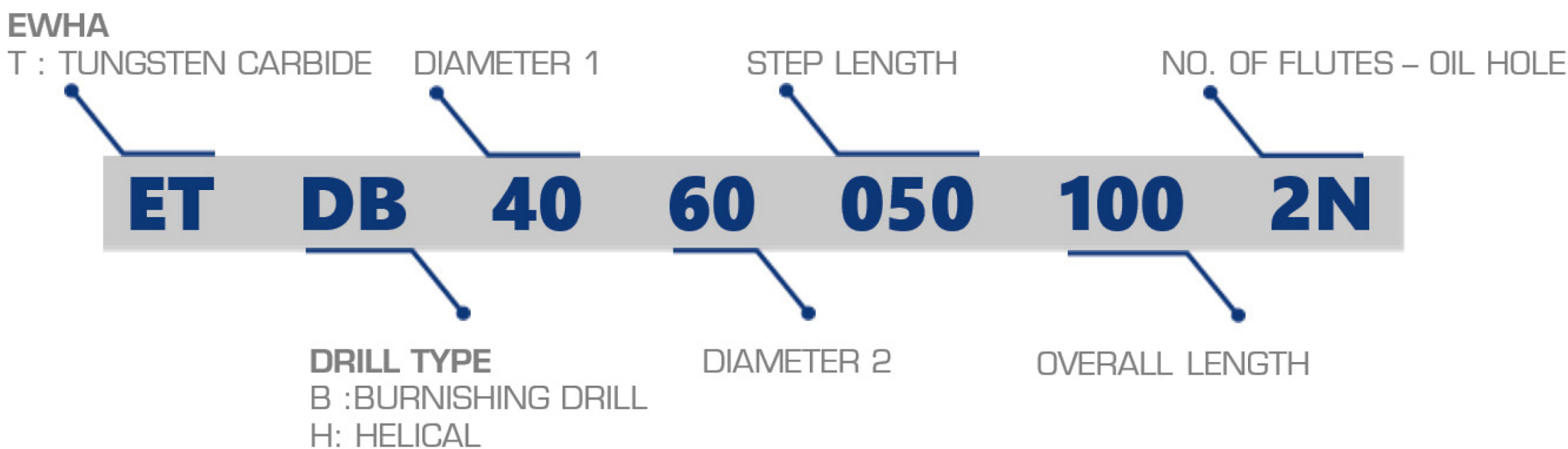


Carbide Drills for AL Alloys

Hartmetallbohrer für Aluminiumlegierungen



EHWA SOLID CARBIDE DRILL					
ITEM CODE	D1	D2	L	FL	OAL
ETDB 43 60 025 080 2N	4.3	6.0	25	40	80
ETDB 51 80 025 080 2N	5.1	8.0	25	40	80
ETDB 69 100 030 100 2N	6.9	10.0	30	50	100
ETDB 86 120 035 105 2N	8.6	12.0	35	55	105
ETDB 104 140 040 110 2N	10.4	14.0	40	60	110
ETDB 140 160 040 110 2N	14.0	16.0	40	60	110



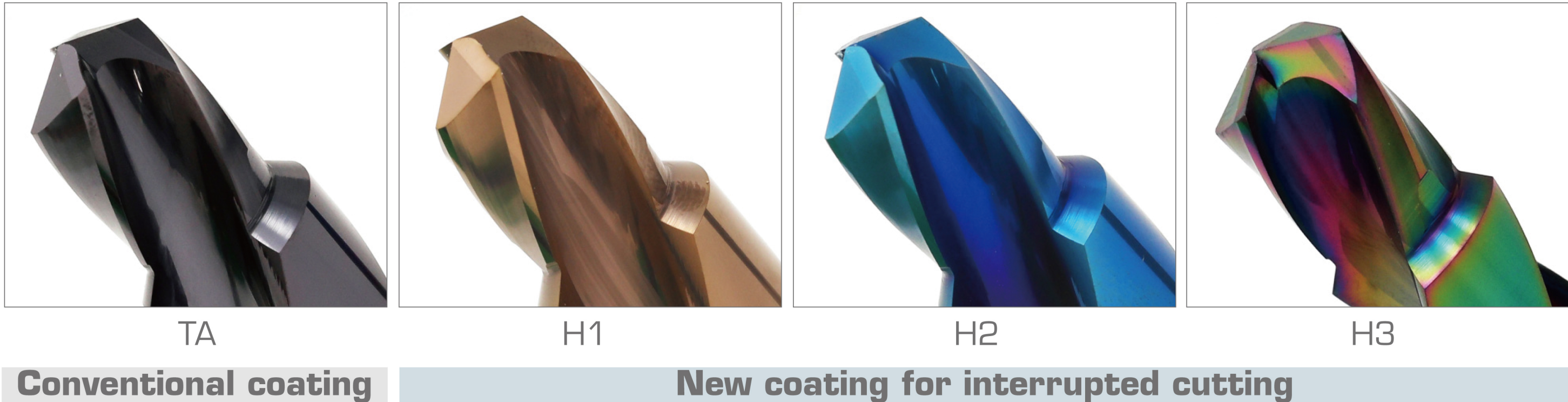
Solid Carbide Drills

Vollhartmetallbohrer

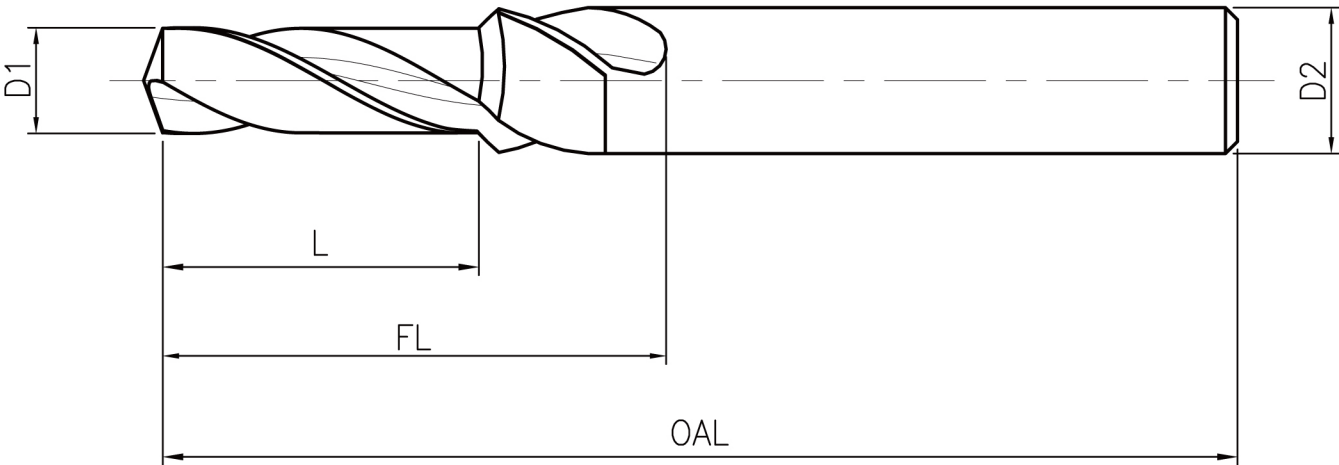
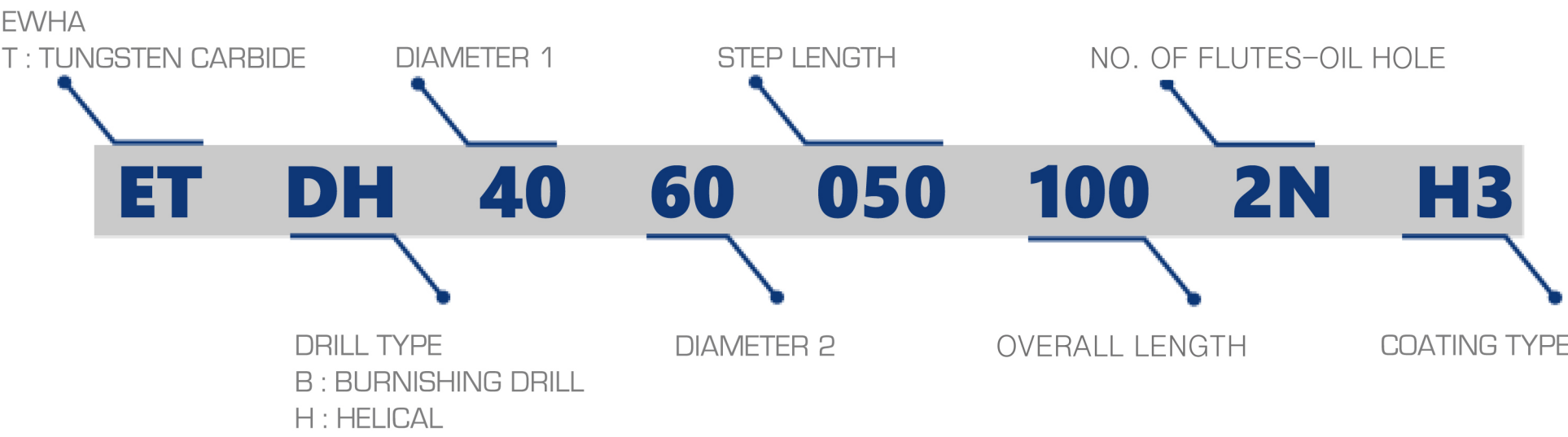
ET220

- Ultra-fine material with high hardness and high fracture toughness
- Helix drills with 2-3 coolant holes for steel

EHWA COATING



EHWA Drill Code



EHWA SOLID CARBIDE DRILLS

ITEM CODE	D1	D2	L	FL	OAL
ETDH 43 60 025 080 2N	4.3	6.0	25	40	80
ETDH 51 80 025 080 2N	5.1	8.0	25	40	80
ETDH 69 100 030 100 2N	6.9	10.0	30	50	100
ETDH 86 120 035 105 2N	8.6	12.0	35	55	105
ETDH 104 140 040 110 2N	10.4	14.0	40	60	110
ETDH 140 160 040 110 2N	14.0	16.0	40	60	110



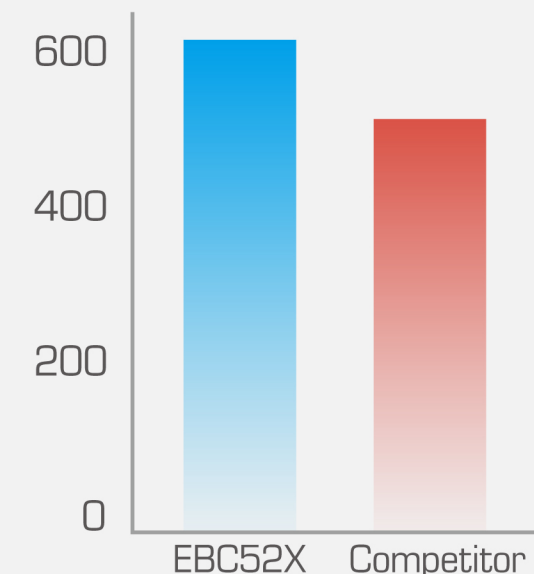
EBC52X New Grade for CV-Joint

EBC52X – neue PCBN-Sorte für Gleichlaufgelenke

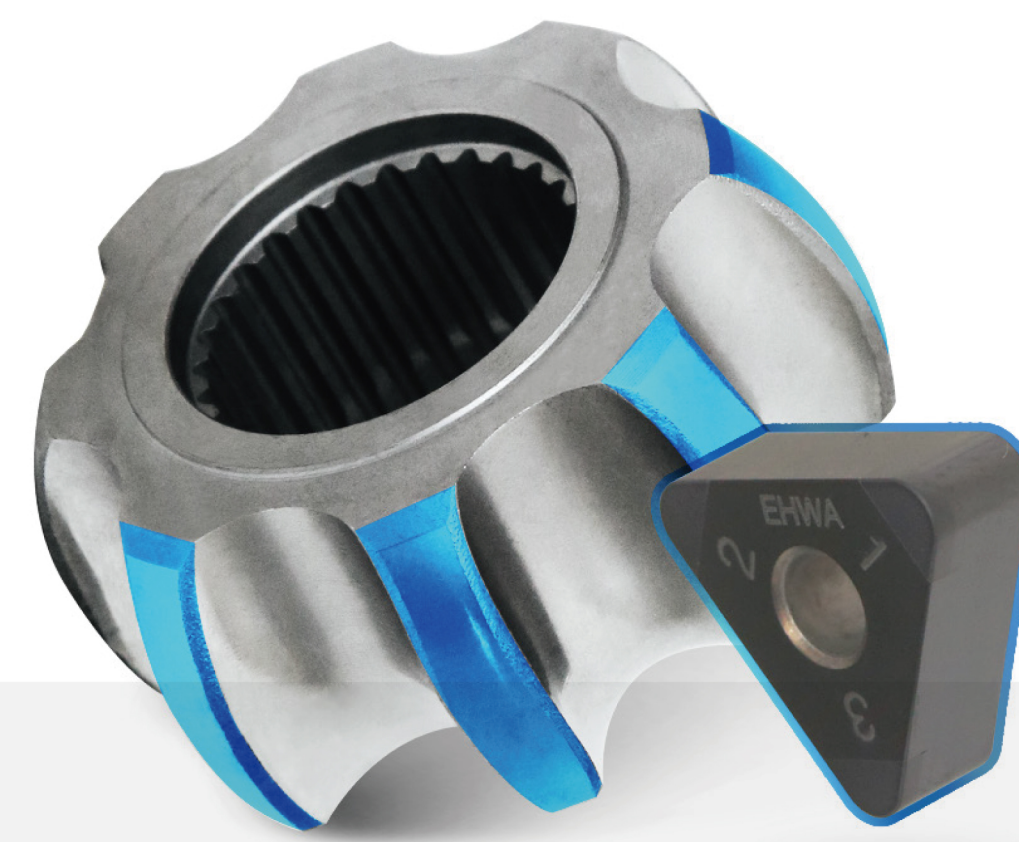
EBC52X is a high-content PCBN grade newly developed for continuous and interrupted cutting of CV-joint heat-treated steel. It delivers exceptional performance in continuous and interrupted cutting of CV-joint components, even under harsh machining conditions.



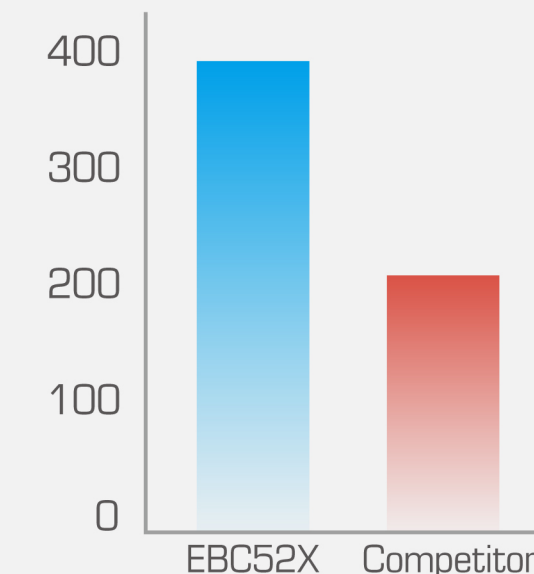
Outer Race Turning



Workpiece : forged steel
Cutting speed : 120 m/min
Feed rate : 0.1~0.12 mm/rev
D.O.C (ap) : 0.10~0.20 mm
Coolant : dry
Interrupt



Inner Race Turning

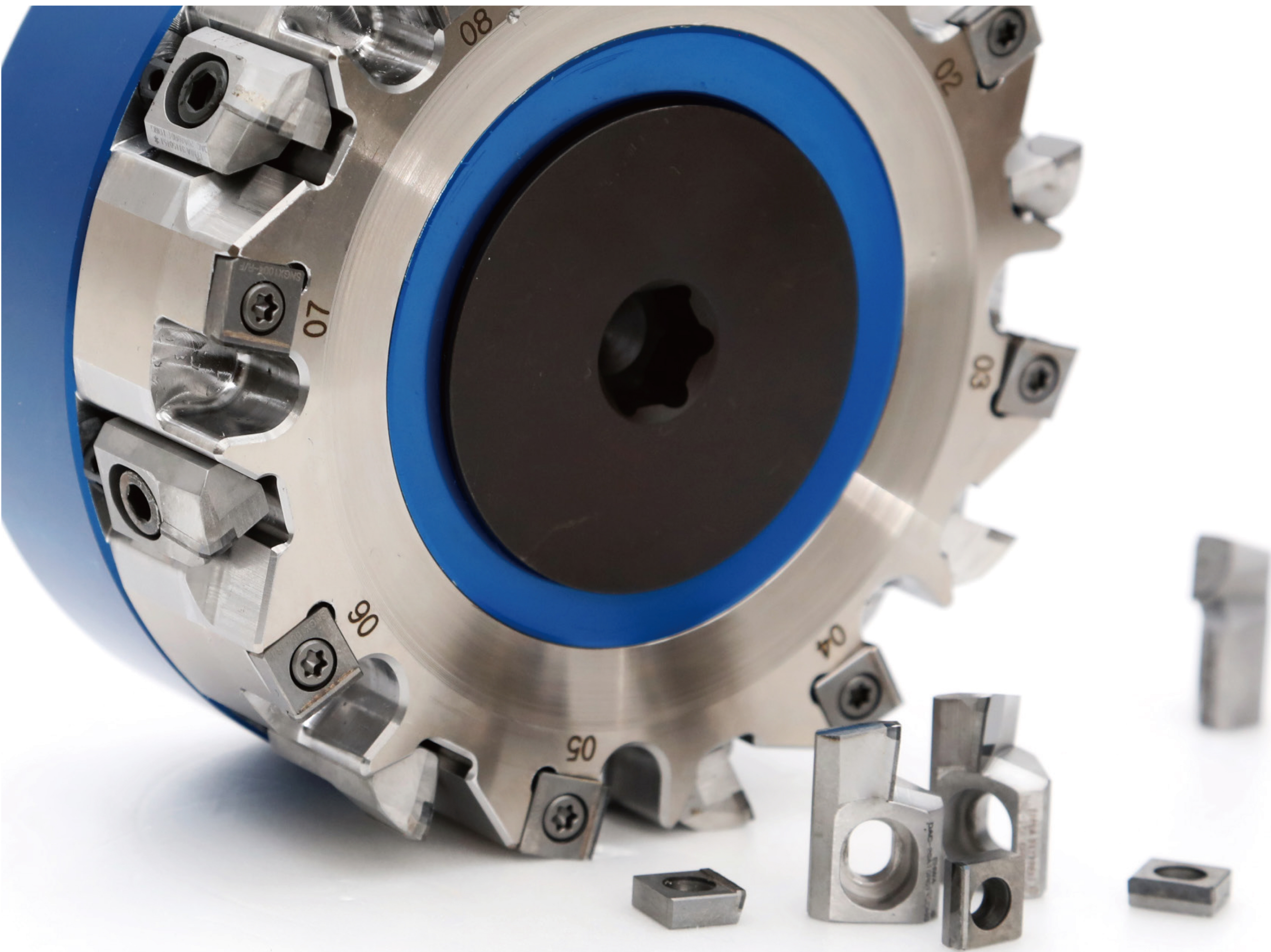


Workpiece : forged steel
Cutting speed : 200 m/min
Feed rate : 0.20 mm/rev
D.O.C (ap) : 0.09~ 0.15 mm
Coolant : dry
Interrupt



XF Face Milling Cutters for AL Alloys

XF-Planfräser für Aluminiumlegierungen



ØD	Max. RPM (min ⁻¹)	Cutting Depthap (mm)
100	11,000	3mm
125	9,000	3mm
160	7,000	3mm
200	5,500	3mm

Type	Dimensions					Teeth	Insert	Cartridge	Arbor
	ØD	Ød	A	B	H				
XF 10050 -16R (L)	100	31.75	12.7	8	50	16	XF10 - SN	XF CF XF SD	FMA 31.75
XF 12563 -16R (L)	125	38.1	15.9	10	63	16			FMA 38.1
XF 16063 -16R (L)	160	50.8	19.0	11	63	16			FMA 50.8
XF 20063 -18R (L)	200	47.625	25.4	14	63	18			FMA 47.625
XF 25063 -18R (L)	250	47.625	25.4	14	63	18			FMA 47.625

(All dimensions can be customized upon customer's request)

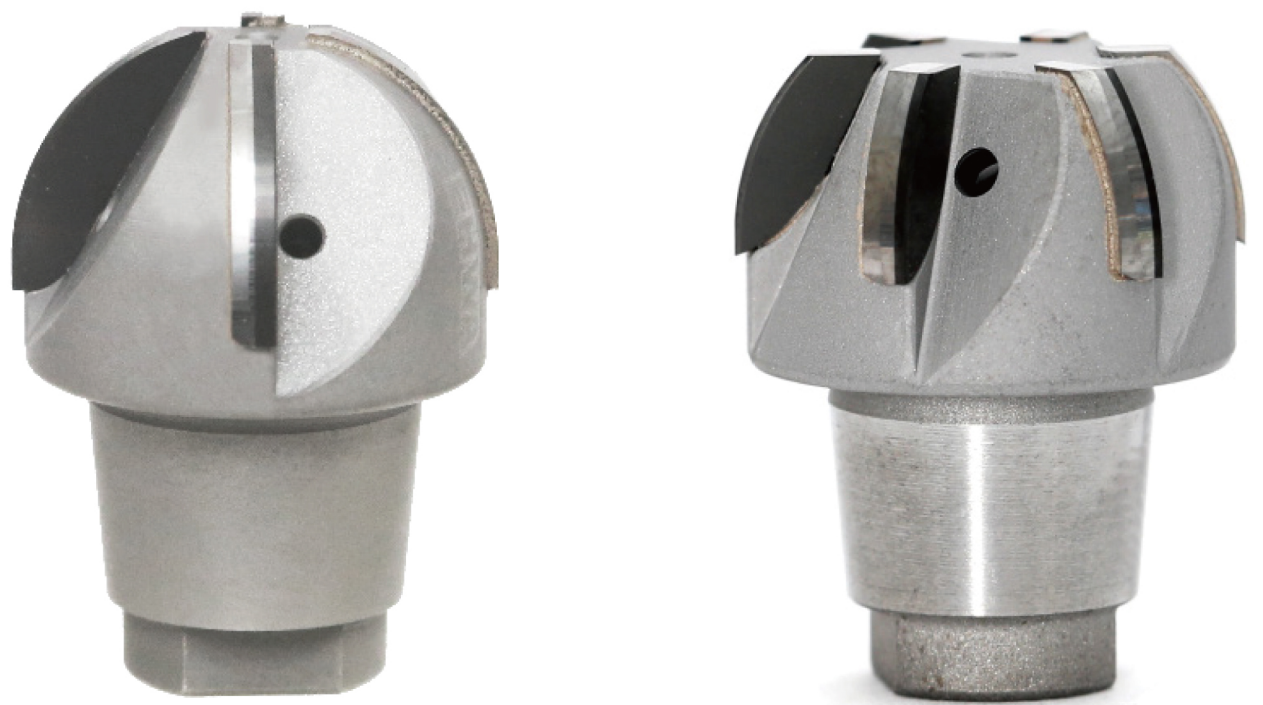
PCBN Endmills for CV-Joint

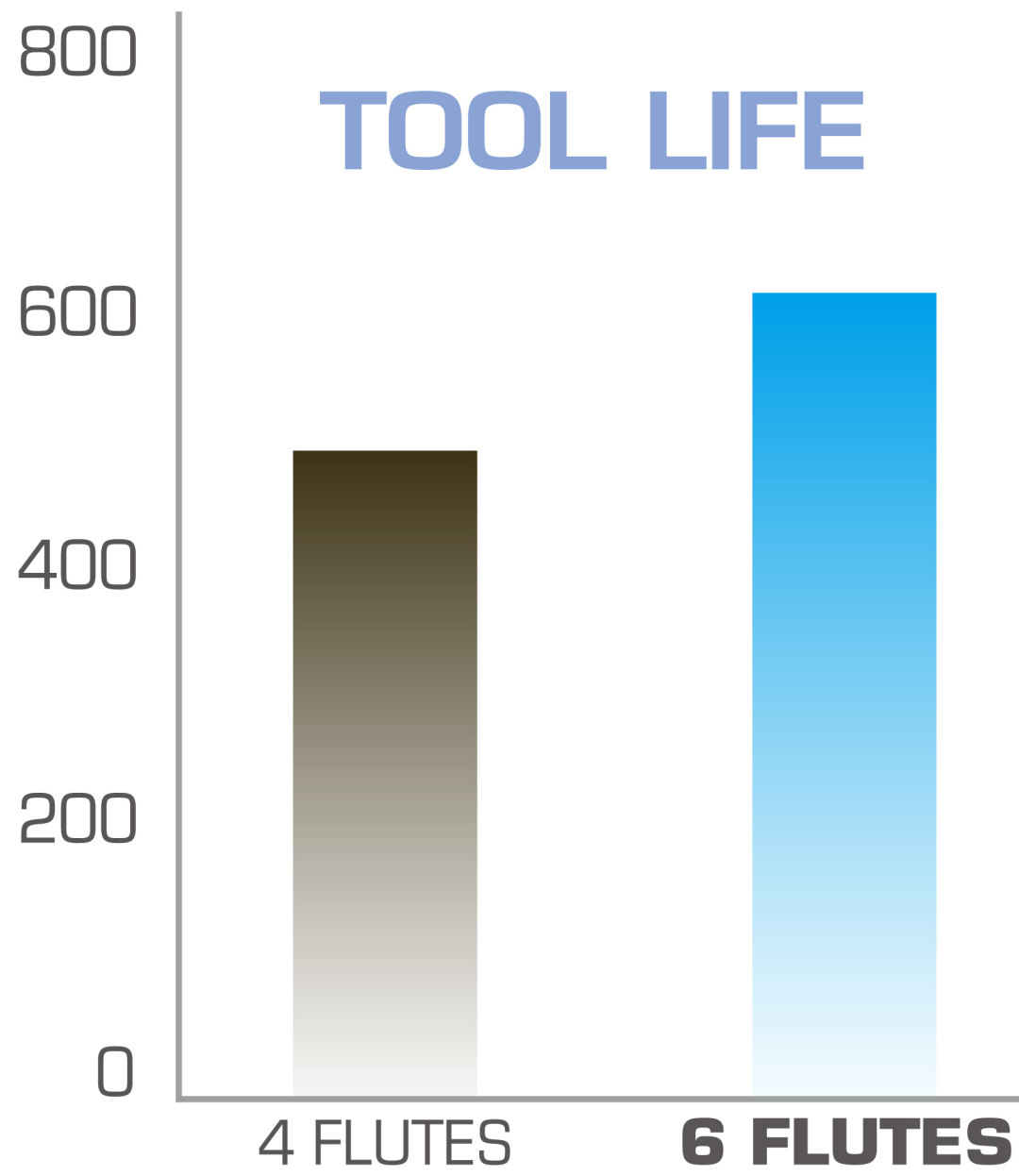
PCBN-Schaftfräser für Gleichlaufgelenke (CV-Joint)

In the automotive market, CV-joint machining is increasingly shifting from grinding to cutting. To meet this growing demand, EHWA has been focusing on developing high-precision, high quality endmills.

Recently, EHWA introduced new 6-flutes endmills that offer exceptional durability for high speed machining. EHWA PCBN endmills not only deliver outstanding cutting force, but also offer customized design and tooling solutions based on customer's requests



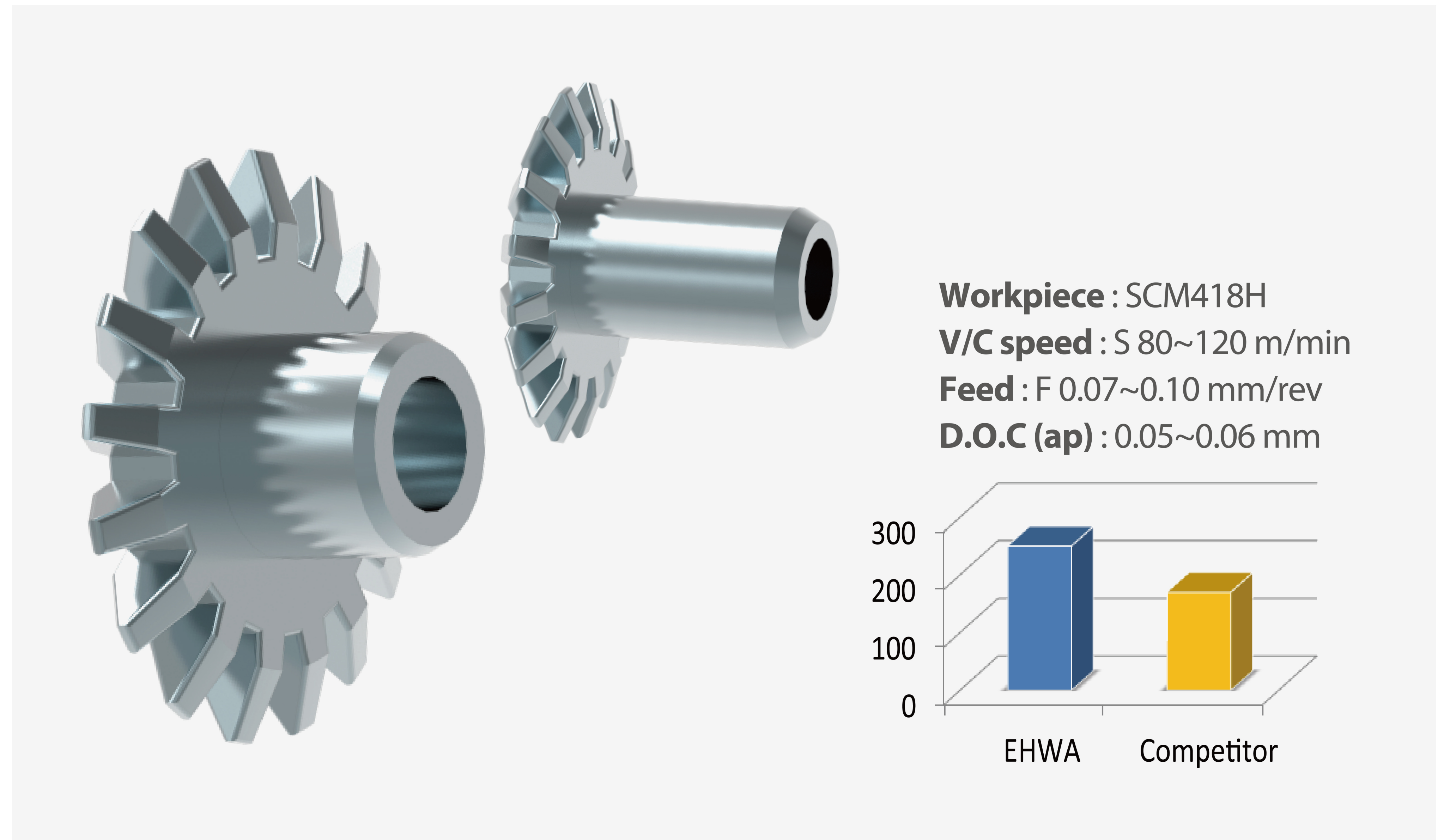
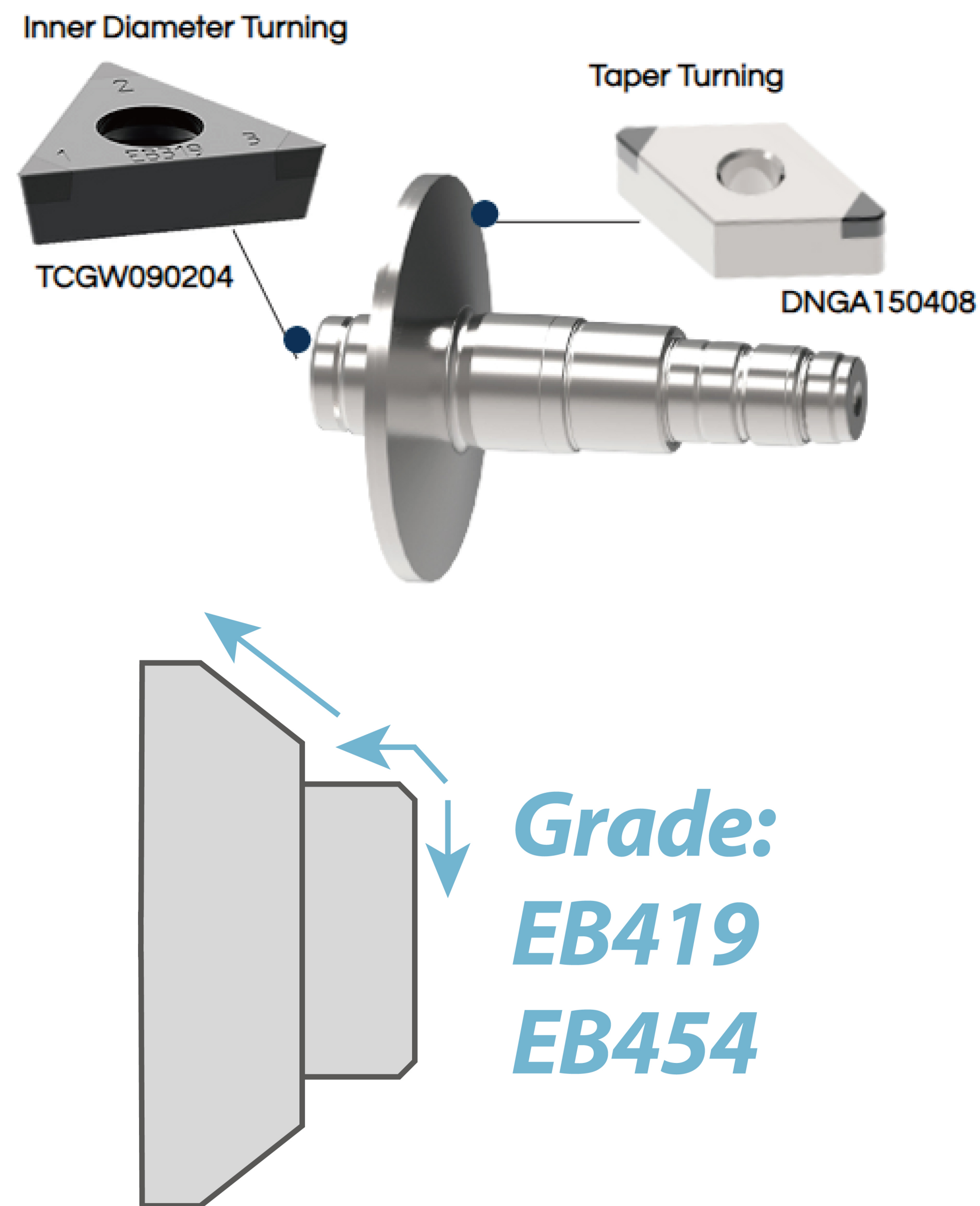
Body Type	HFS12	
Material	PCBN	
Flutes	4 F	6 F
Design		



Transmission & Differential Gears

EHWA
SINCE 1975 50TH

Getriebe und Differentialgetriebe

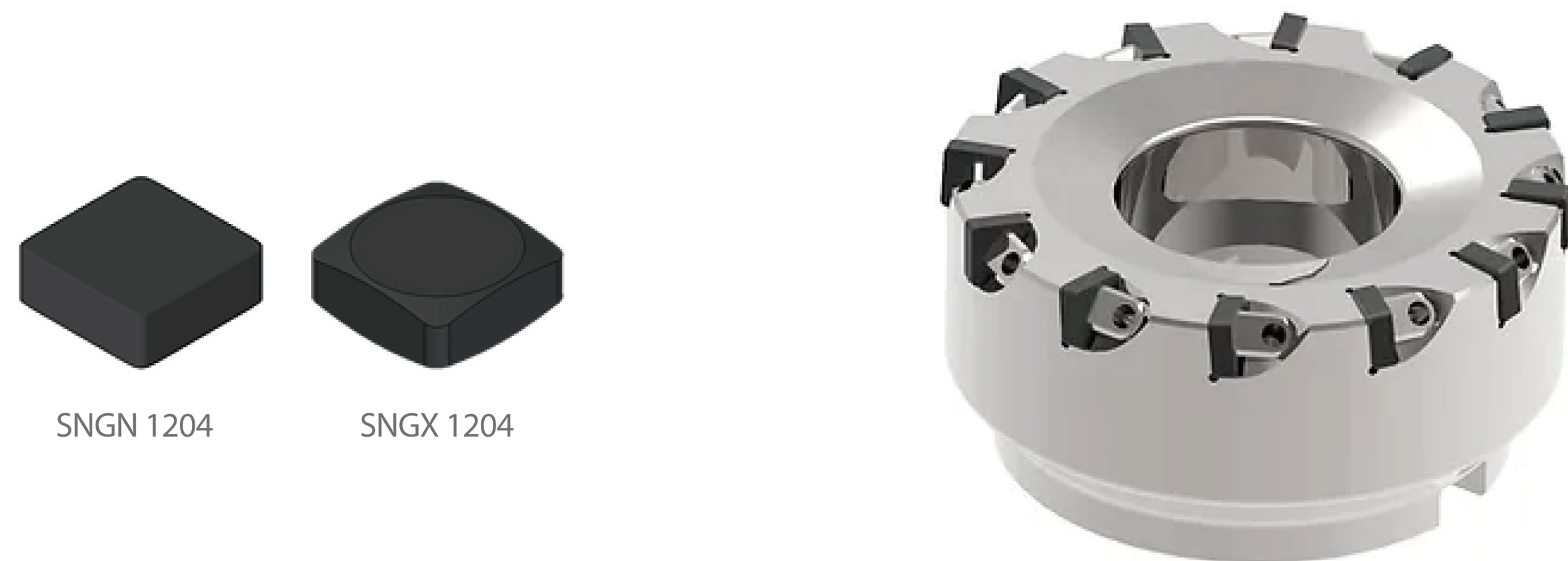


Face Milling

Planfräser

■ AF Milling Cutter

80D~250D : The optimal solution for surface roughness & tool life



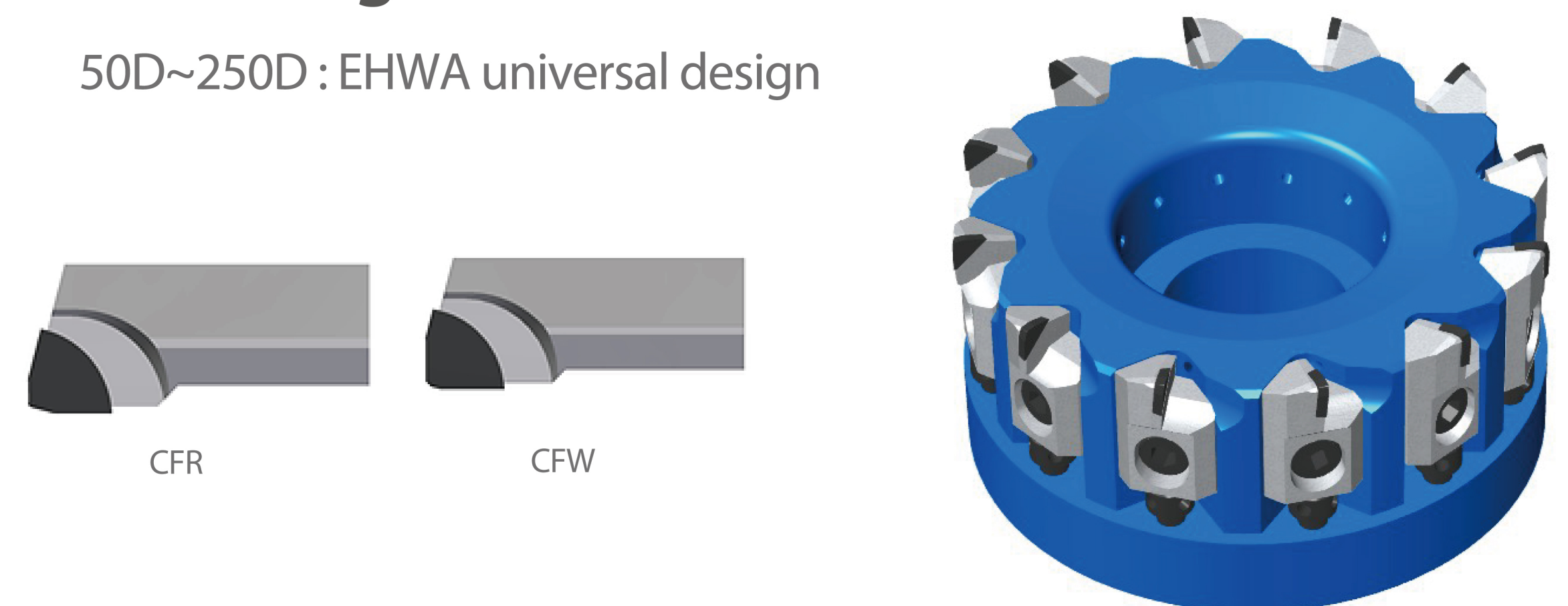
■ BF Milling Cutter

125D~250D : Burr-free with excellent tool life



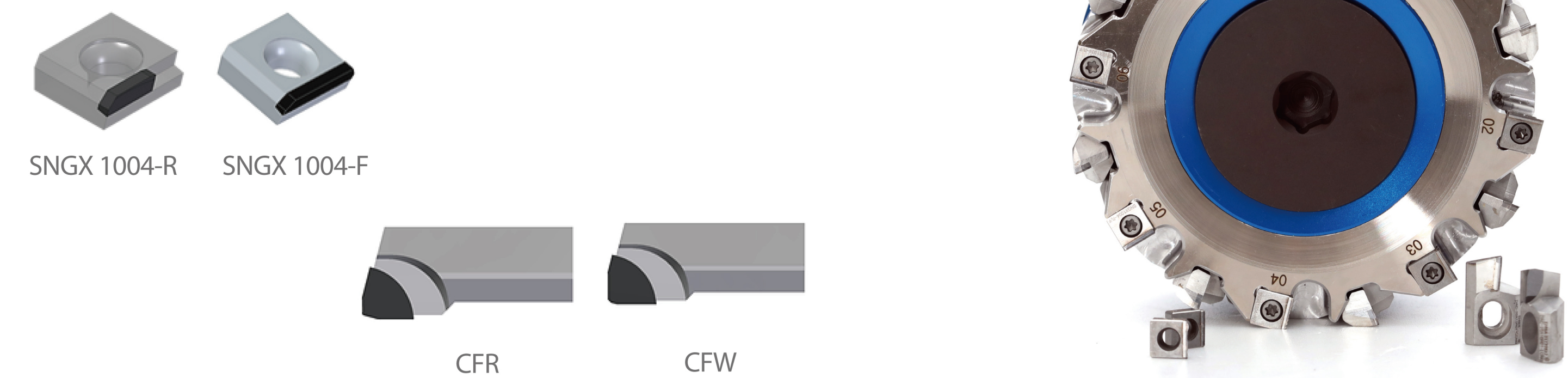
■ CF Milling Cutter

50D~250D : EHWA universal design



■ New XF Milling Cutter

Newly developed for both roughing and finishing



PCD Endmill for Scroll Compressors

EHWA SINCE 1975 50TH

PKD-Schaftfräser für Scrollkompressoren aus Aluminium

EHWA provides customer-optimized PCD endmill solutions for scroll compressors.

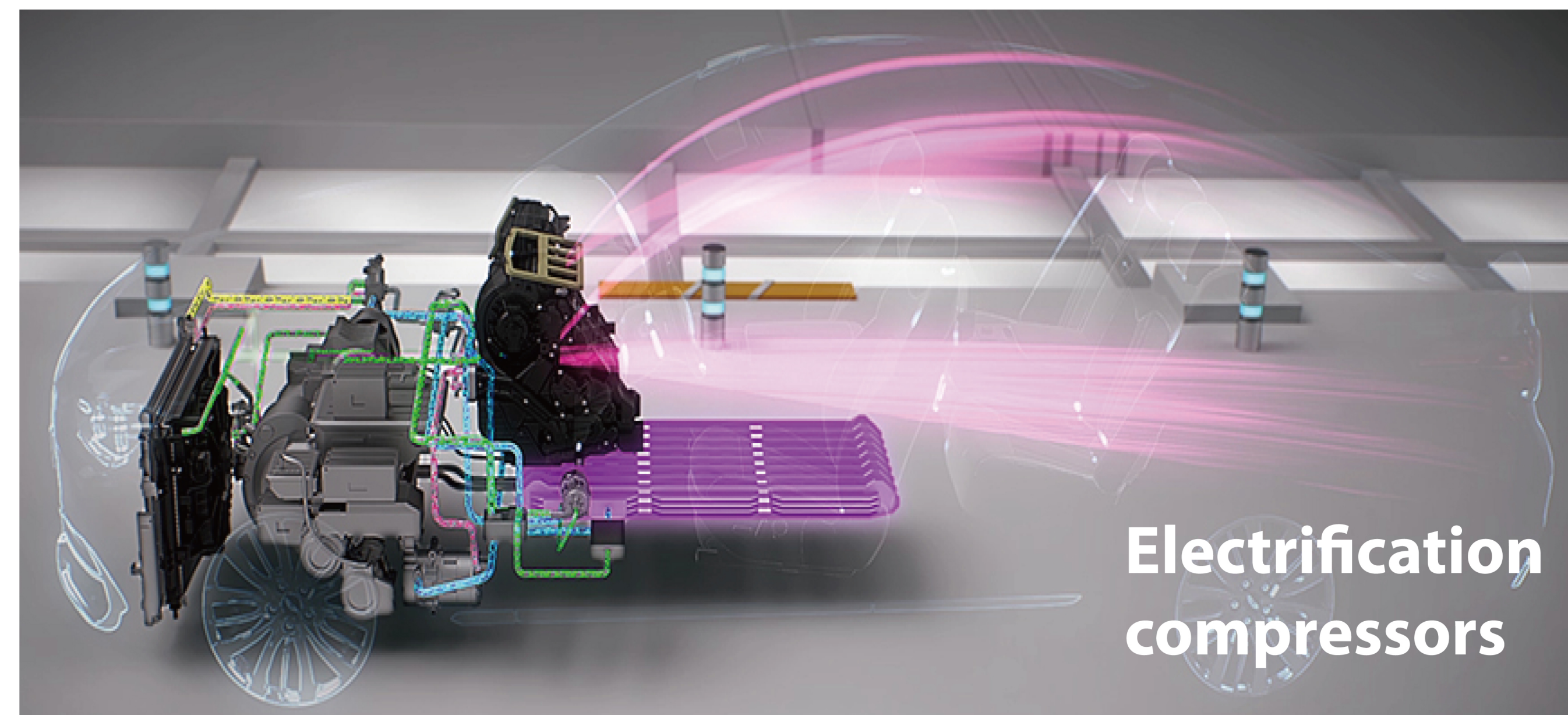
Advantages

- Boost production efficiency by machining highly precise scroll compressors.
- Achieve superior quality in scroll compressors through highly precise machining.



Applications

- Scroll compressors - Aluminum



PCD Endmill for Electric Vehicles

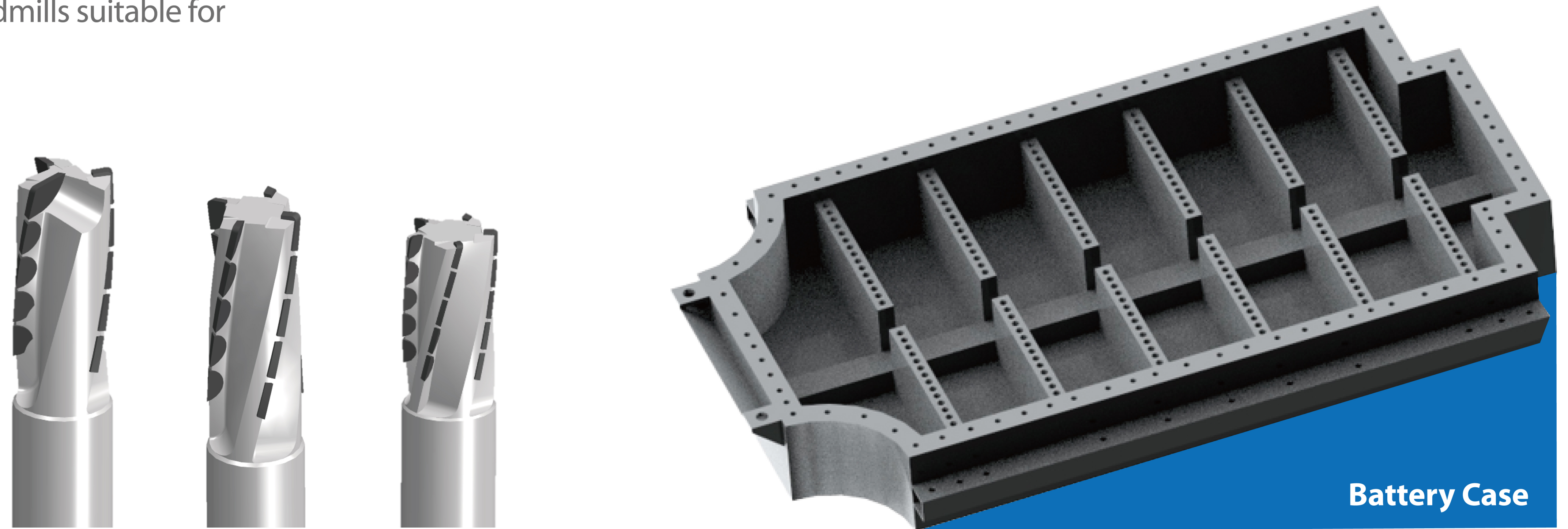
EHWA
SINCE 1975 50TH

PKD-Schaftfräser für Elektrofahrzeuge

Outstanding cutting force of the helical design makes endmills suitable for high removal rate machining.

Advantages

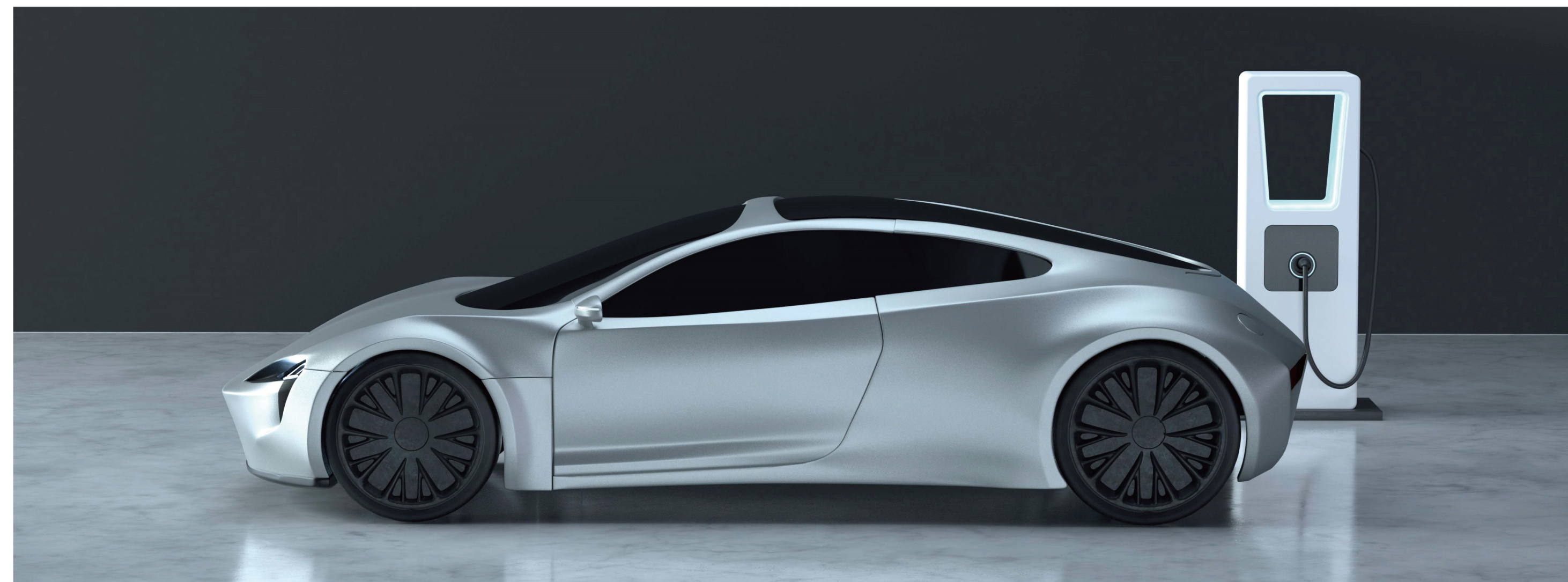
- Burr-free cutting through high rake angle
- High speed, high efficiency
- Improved surface roughness



Battery Case

Application

- Aluminum battery case

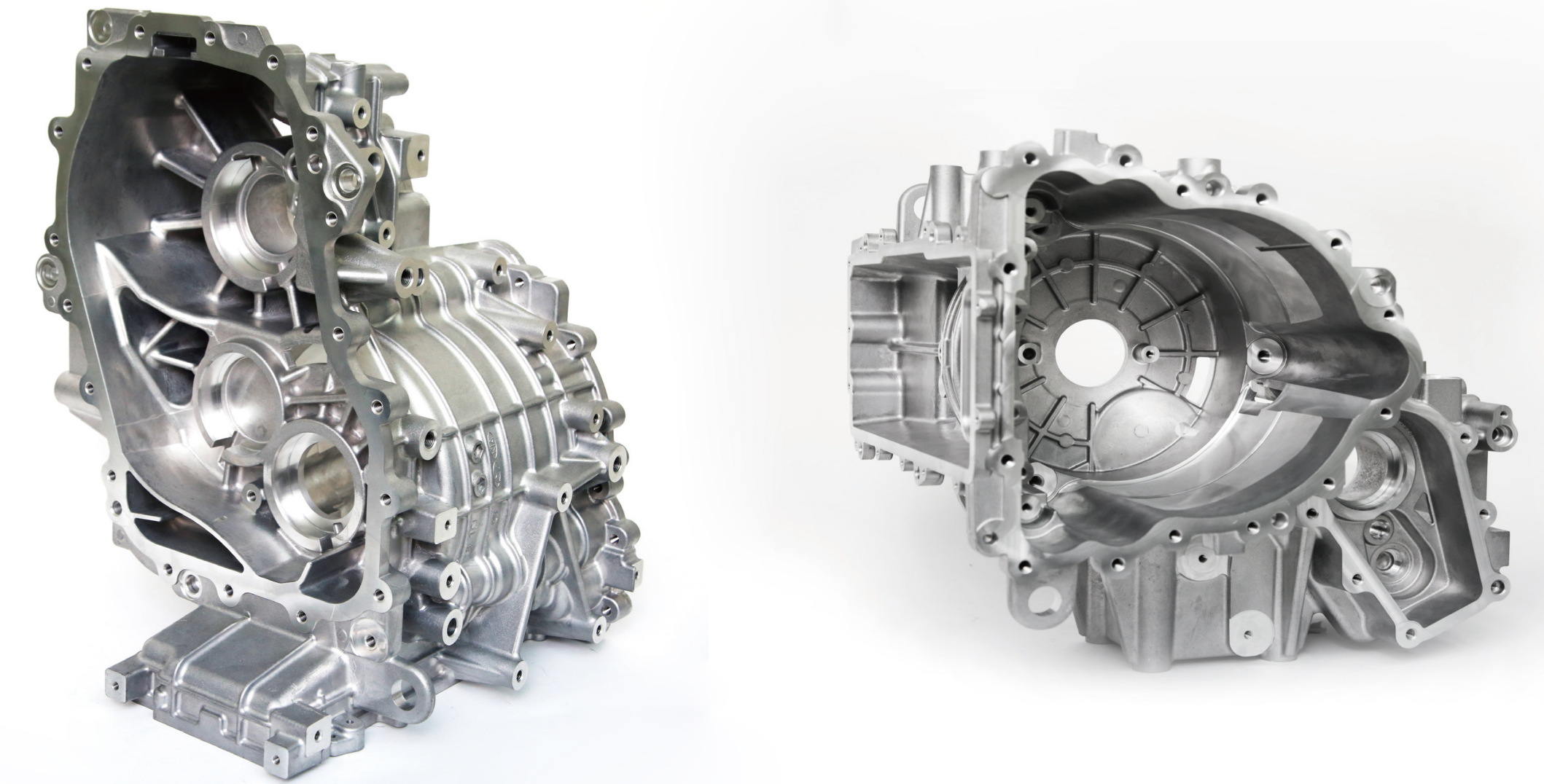


Special Boring Tool for Motor Housing

EHWA SINCE 1975 50TH

Spezial-Bohrwerkzeug für Motorgehäuse

In the electric vehicle industry, the importance of the motor, which replaces the engine's role, has been growing. Electric motors are developed for high power, high efficiency, large capacity, and light weight. EHWA has been developing a new design combining of aluminum and CFRP to retain its competitiveness.



Advantages

- Better vibration damping by the combination of aluminum and CFRP.

Applications

- Motor housing

