

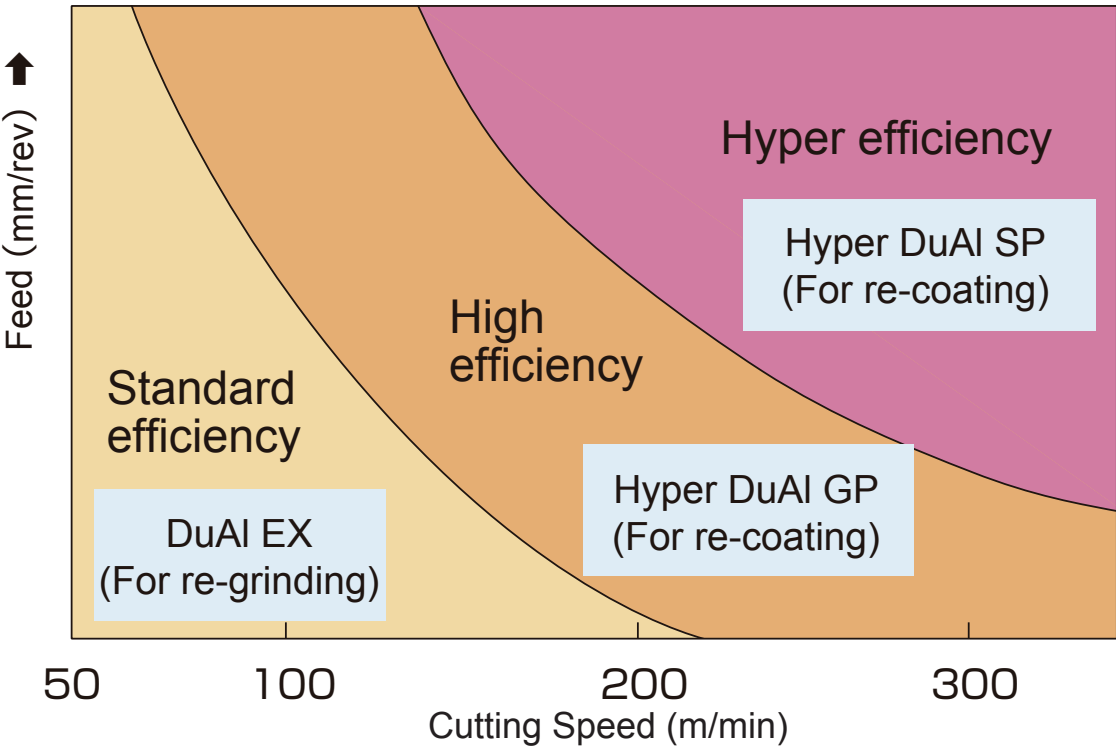
# DuAl EX Hob



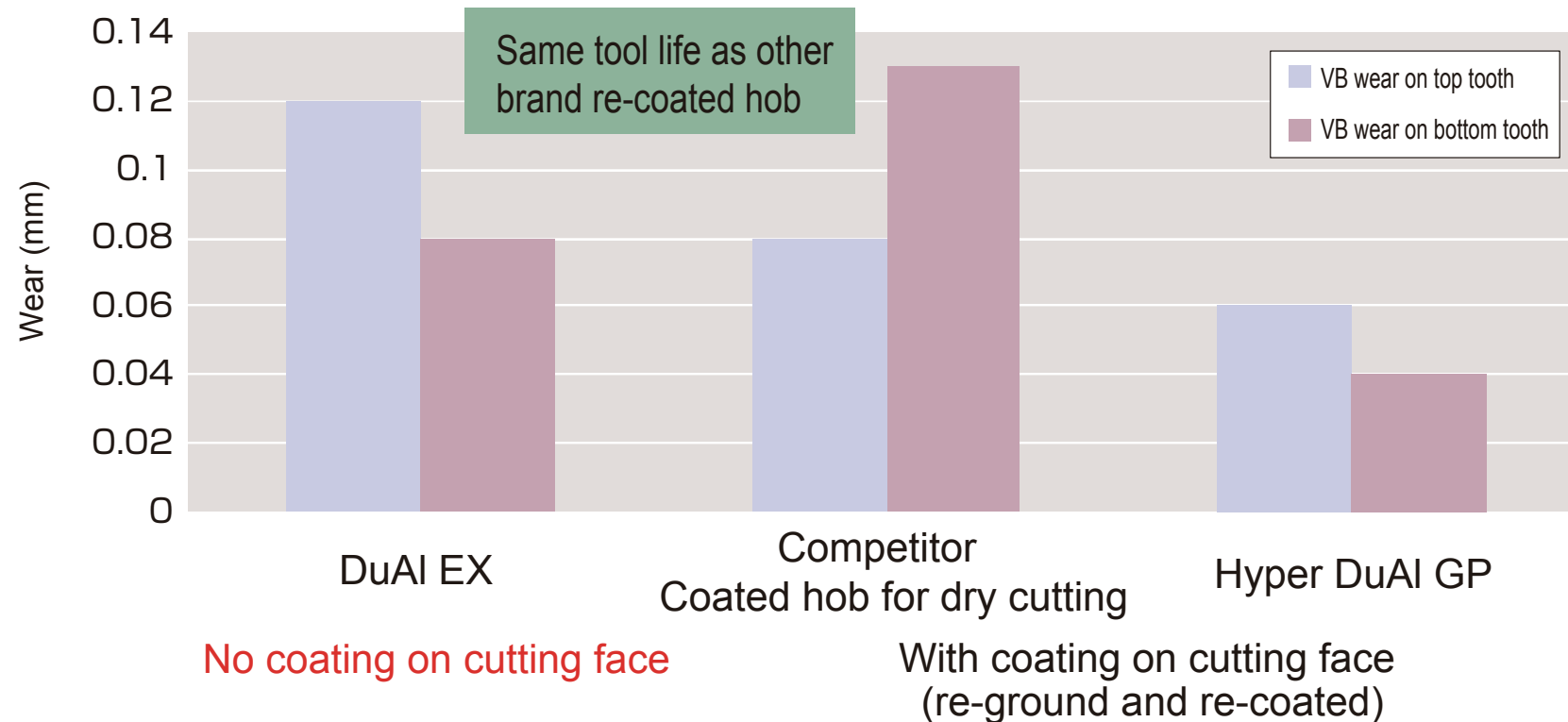
- Suitable for both dry and wet hobbing
- Supports a wide range of machining environments and methods
- Exhibits the best performance in conventional cutting range  
(Cutting speed 60 to 160m/min)
- Specifications for re-grinding  
(no coating on cutting face)

# Select coating according to application

	Wet hobbing	Dry hobbing		
		Standard efficiency	High efficiency	Hyper efficiency
For re-grinding/ re-coating	Hyper DuAl GP			Hyper DuAl SP
For re-grinding	DuAl EX			



# Comparison of wear without coating on cutting face



## Test conditions

- Workpiece specifications: m1.7 × PA18° × NT49, SCr420H
- Hob specifications: O.D. 70mm × NT16 × 4TH  
No coating on cutting face
- Cutting conditions: V=150m/min, f=1.8mm/rev, climb cutting, dry condition, 2,000 operations

- DuAl EX Hob without coating on cutting face after re-grinding has same tool life as other brand Hob after re-grinding and re-coating.
- This eliminates re-coating fees and reduces inventory, providing a significant advantage in tooling costs