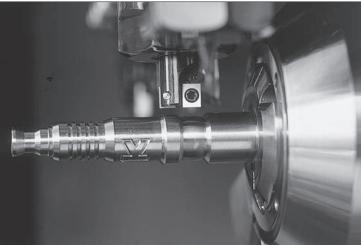
Small Diameter Indexable Endmills







Features

- Attach 20mm end mills in ER16 collet
- Just change inserts to index. No need to make any adjustments
- High quality surface finish, as low as 1um (Rz) when wiper inserts are used
- Corner radius as small as 0.05mm
- In addition to D cut, ramp machining can be performed*

[Recommended Cutting Conditions]

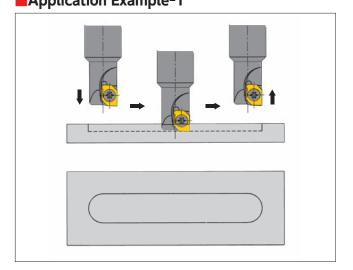
Work Material	Speed (m/min)	Axial feed (mm/t)	Traverse feed (mm/t)	Depth of cut (mm)	Width of cut	
Steel	80 - 120	~0.03	~0.05	~3.0	~50% of cutter diameter	
Stainless Steel	40 - 60	~0.02	~0.04	~2.0	~50% of cutter diameter	

^{*}A combination of single-blade type endmills and inserts with center blade is required

NTK

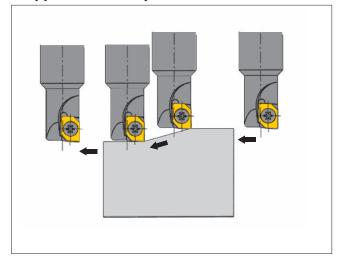
■Application Example-1

Application Example



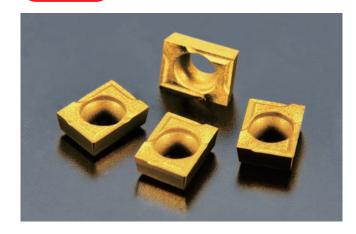
 A single tooth endmill equipped with a center cutting edge insert can be used for both plunge and side cut operations.

■Application Example-2



 A single tooth endmill equipped with a center cutting edge insert can be used for slope milling operations.

Insert



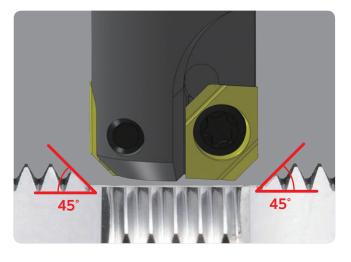
Wiper

Excellent surface finish obtained with new wiper insert

Chipbreaker

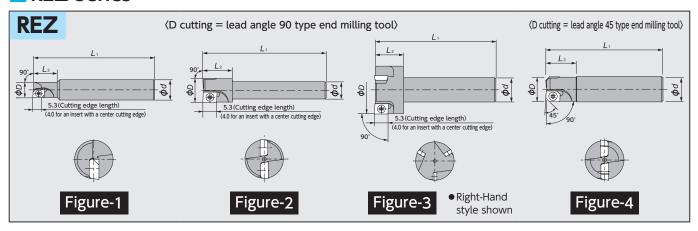
Less tool pressure with chipbreaker

45°



Chamfered surface finish insert					
S45C					
Speed: 95 m/min					
Feed: 0.14 mm/rev					
DOC : 1.0 mm	45°				
WET					
NTK : QM3 C45 type	700 pcs				
Competitor's solid endmill	500 pcs				

REZ Series



REZ Series - Toolholders

Figure Co			Ch	Tho als		Dimon sions (mm)		(mm)		Spare Parts		
			Stock		Dimensions (mm)		(111111)		Clamp screw	Wrench		
	Code No.	Item Number	R	L	teeth	φD	φd	L ₁	L ₂	Gage insert		K
1	5276498	REZ080C1R212	•		1	8	10	60	12	CZH04 CFR	FS102-2.2 * 4.0	
'	5285812	100C1R218] '	1 7		75	12	CZH05 CFR		
	5520317	REZ100B2R329					5	40	10			T-07
	5120936	100C2R133				10	10 6	7				
2	5120951	100C2R132					7		12	CZH04 CFR	FSI02-2.2 * 4.3	
4	5137971	100C2R141										
1	5355458	120C2R141				12	10					
	5355466	140C2R141				14						
3	5520325	REZ150B3R330			3	15	15 5	40	10			
	5496088	200M3R319				20	7	50 12	12			
	5496096	200M3R320					10		12			
4	5880281	REZ100C2R461			2		10		12	CZH0400CFR-C45 CZH04 CFR		
	5880299	100C2R466					7					

REZ Series - Inserts

