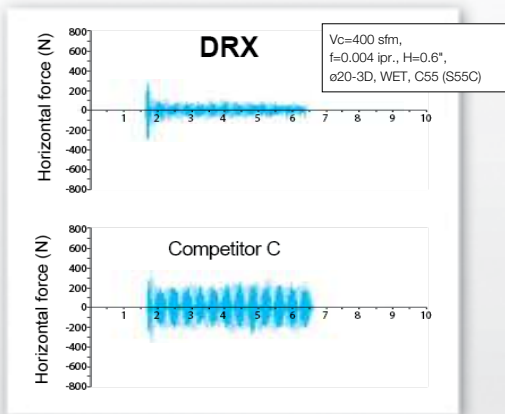


## Balanced Cutting System

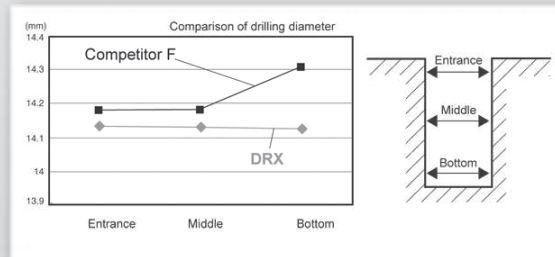
### Vibration comparison



Less vibration due to balanced cutting system

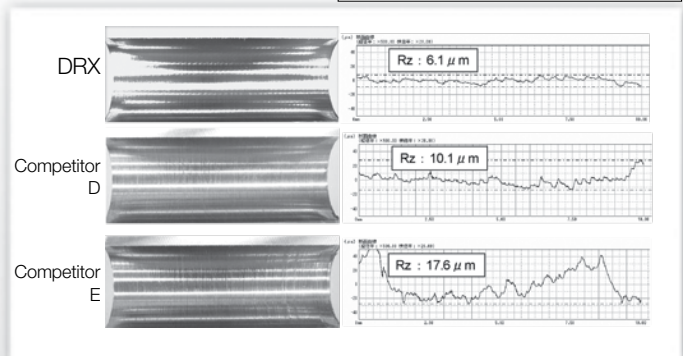
Better surface finish

### Variation of drilling diameter



### Surface finish comparison

Vc=600 sfm, f=0.006 ipr., H=2.4" (through hole), ø20-3D, WET, C45 (S45C), NC Lathe



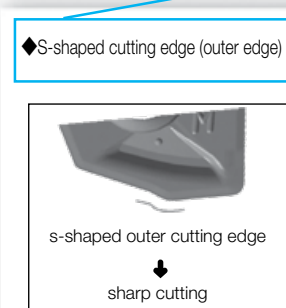
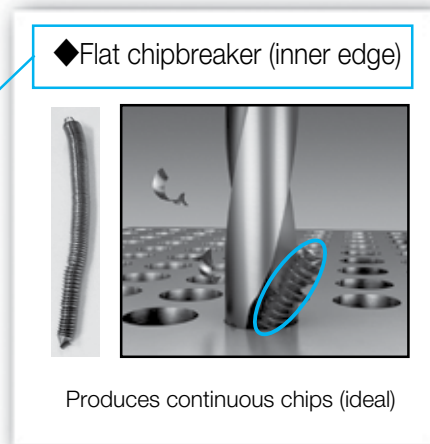
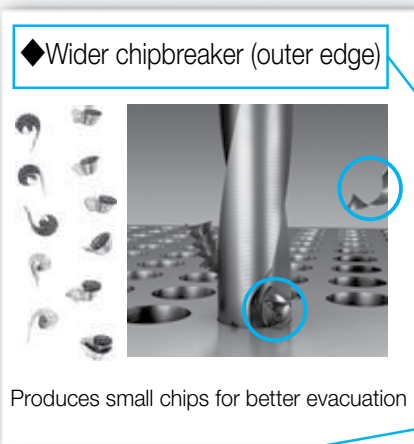
Better surface finish than Competitor D and E

Vc=180m/min, f=0.08mm/rev., H=56mm (blind hole), ø14-4D, WET, C50

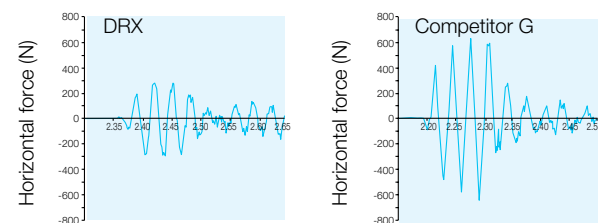
Compared to competitor F, the DRX's excellent chip evacuation performance provides good balance and less variation in cutting dia. drastically improving straight machining capability

## New chipbreaker design covers a variety of workplace materials

### New chipbreaker features



Vc=120m/min, f=0.1mm/rev., H=15mm, ø20-3D, WET, C55 (S55C)



Cutting force comparison of outer edge at the start of drilling

Lowered impact force at the start  
↓  
Reduces sudden breakage

