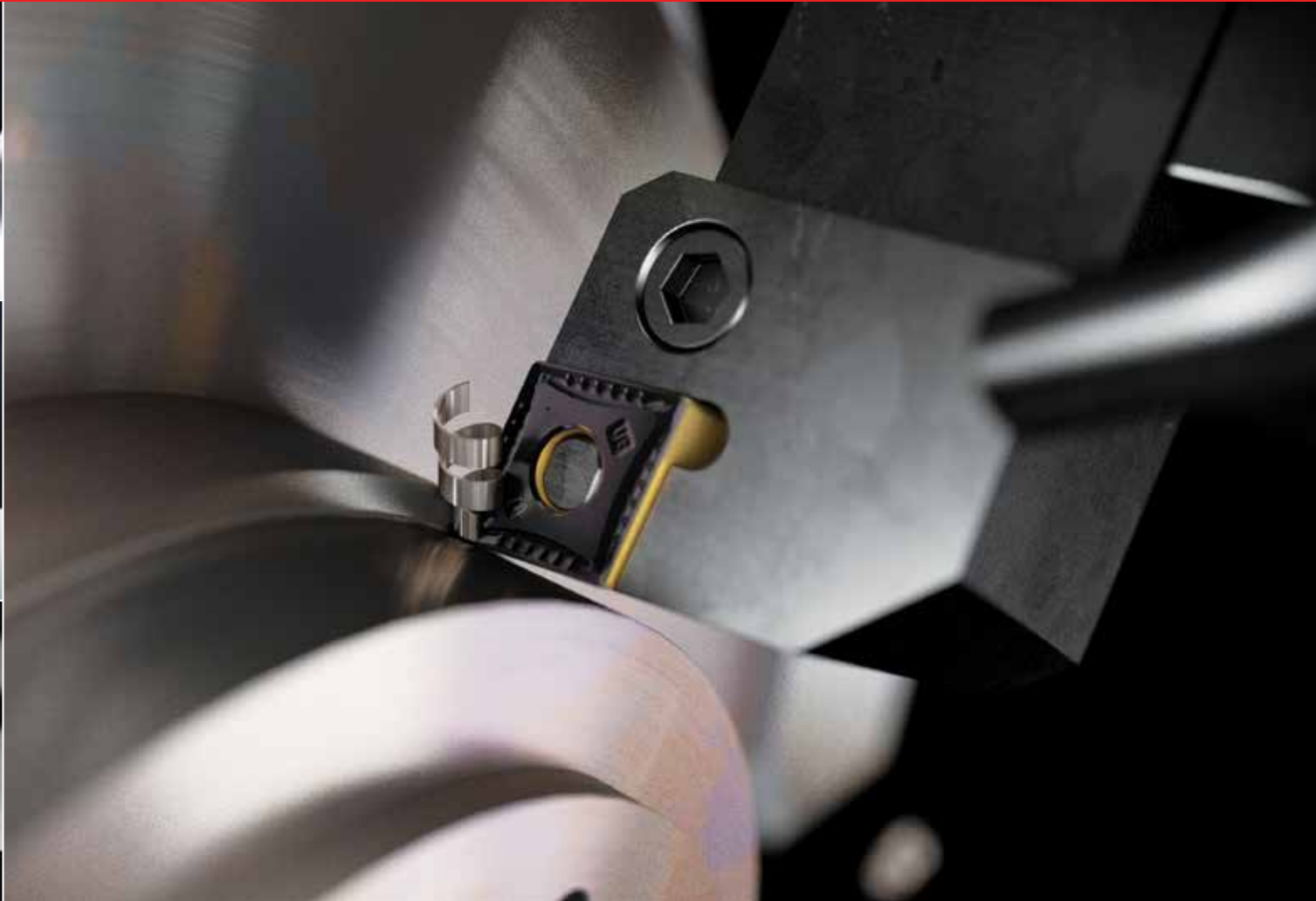




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# **YG INSERT HIGHLIGHT**



**YGTURN** for Steel **P**

## Wheel Bearing for Automotive Industry

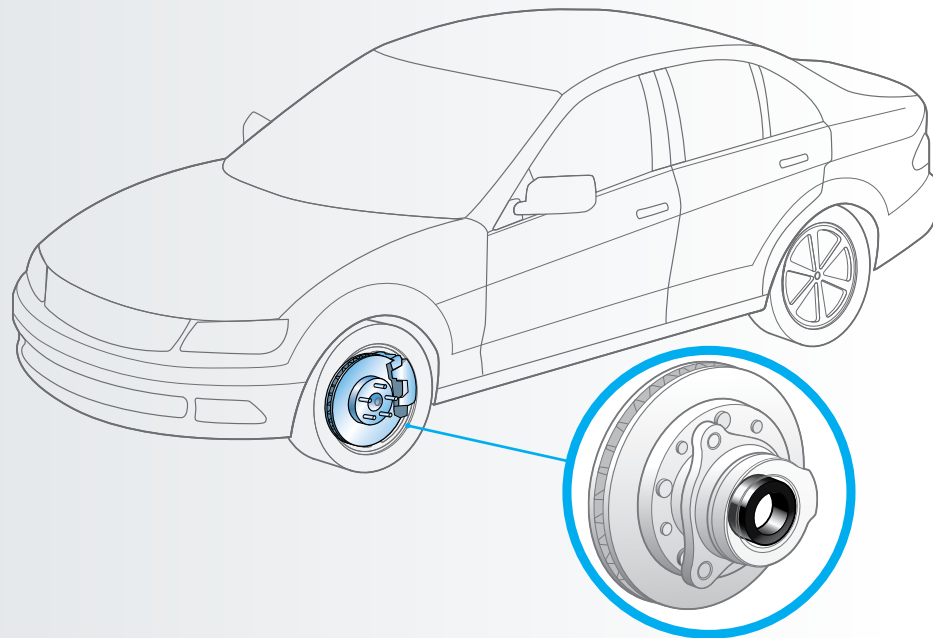


**Low Alloy Steel**

AISI 4140

JIS SCM440

DIN 42CrMo4



**CNMG 120408-UM,YG3020  
(CNMG 432-UM,YG3020)**

Vc 350 m/min  
(1150 ft/min)

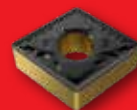
Fn 0.25 mm/rev  
(.01 in/rev)

Ap 1 mm  
(.04 in)

**↑ 83%**

**110 pcs**

**YG**  
**YG3020**

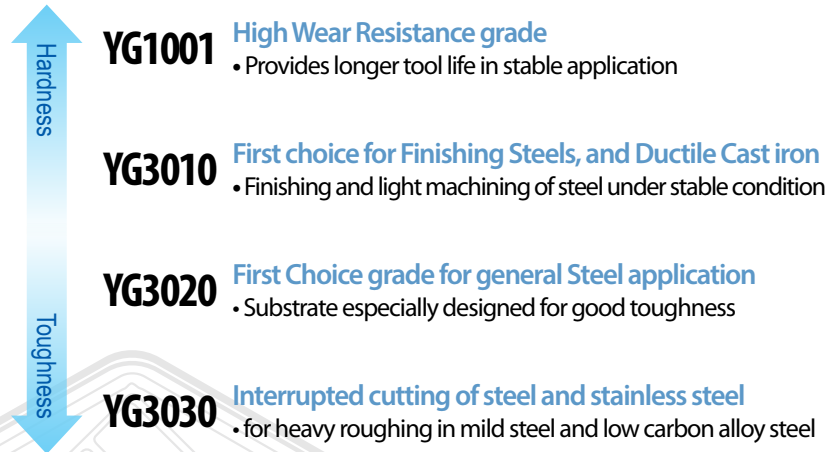


**Tool  
life**

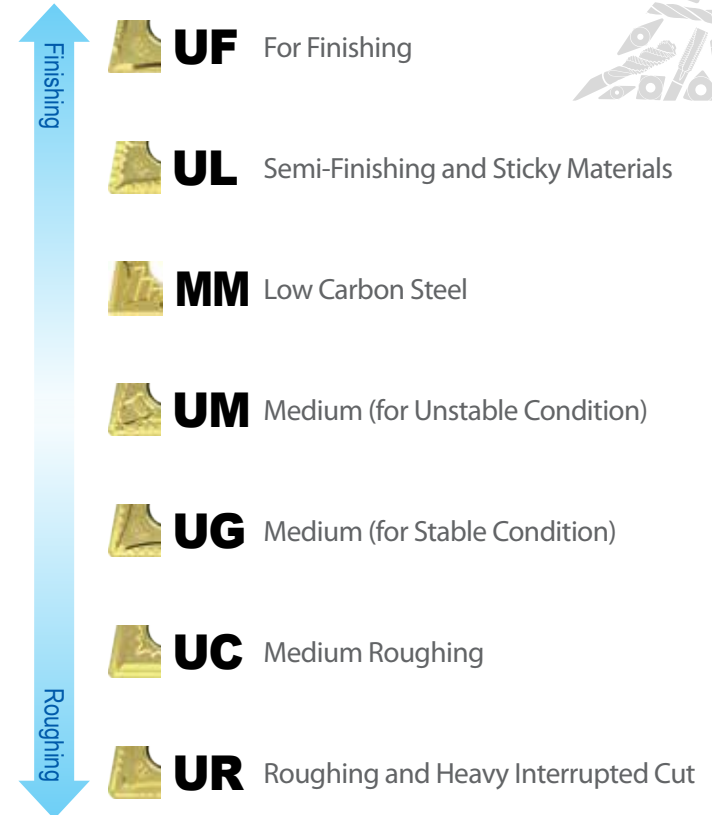
**60 pcs**

**Competitor  
P25 grade**

## Steel Grades



## Chipbreakers



# **YGTURN** for Stainless Steel **M**

## Flange for Pipe

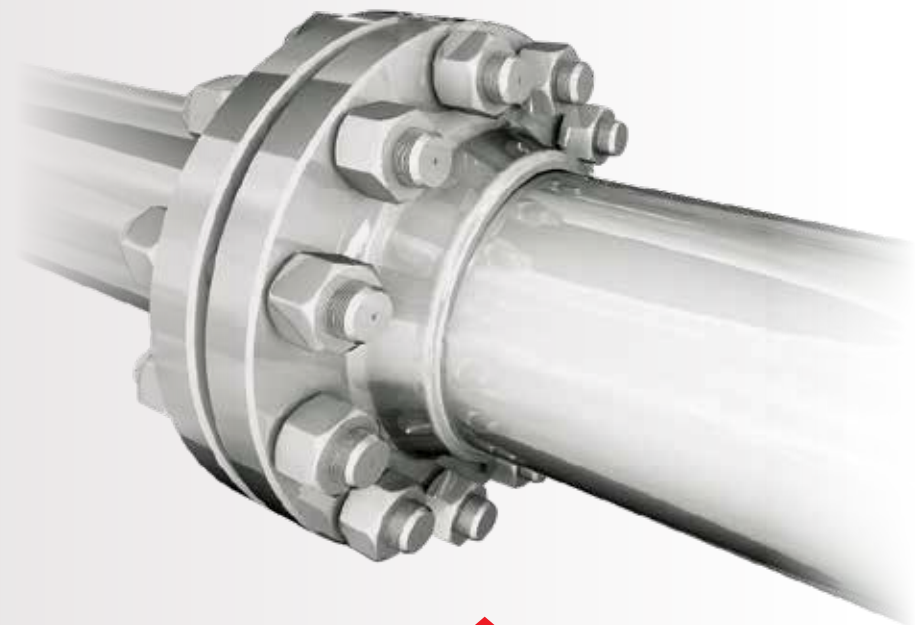


**Austenitic Stainless Steel**

AISI 316

JIS SUS316

DIN 1.4401



**CNMG 120408-MM,YG211  
(CNMG 432-MM,YG211)**

Vc 200 m/min  
(660 ft/min)

Fn 0.15 mm/rev  
(.006 in/rev)

Ap 1.2 mm  
(.05 in)

**↑ 20%**

**60 pcs**

**YG**  
**YG211**



**Tool  
life**

**50 pcs**

**Competitor**  
M10 grade

## Grades



**YG211**

**PVD Grade for Stainless Steel and Super Alloy**

- For continuous cutting and general machining

**YG3030**

**Interrupted cutting of steel and stainless steel**

- for heavy roughing in mild steel and low carbon alloy steel

## Chipbreakers



**MF**

Finishing

**Coming Soon**



**MM**

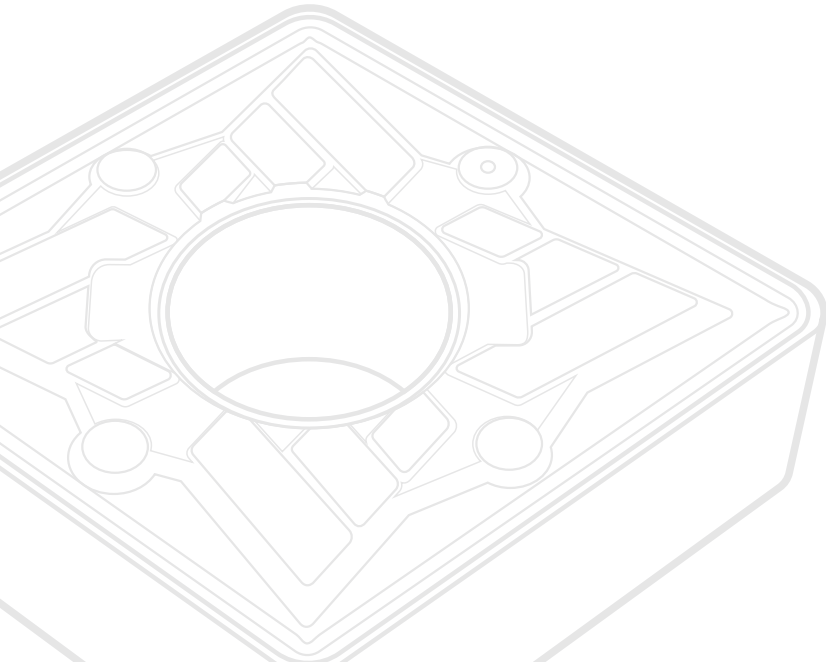
Medium



**MR**

Roughing

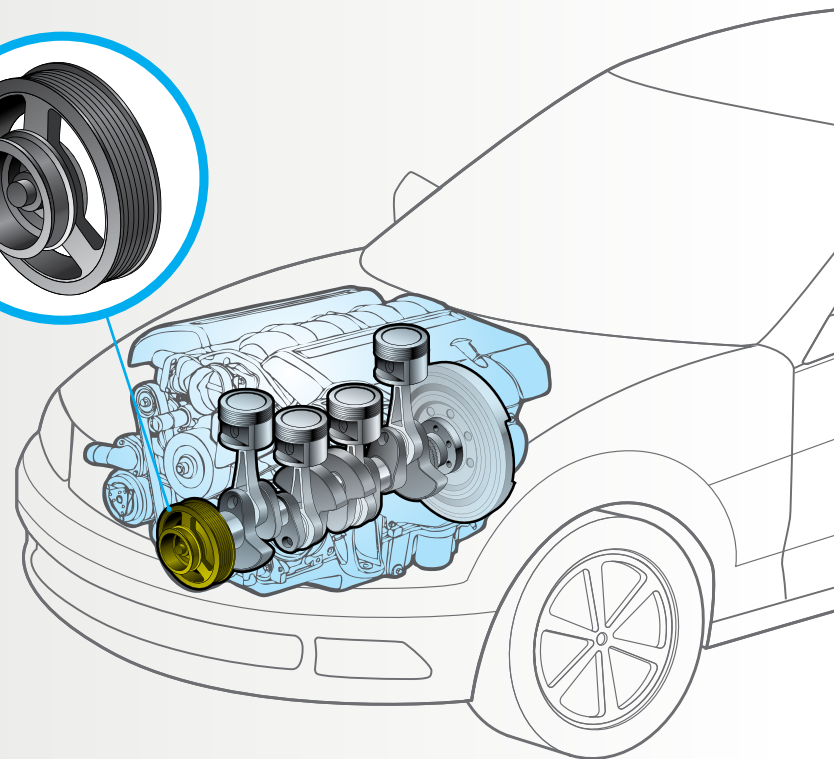
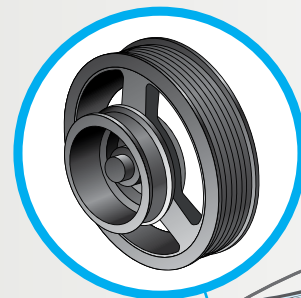
**Coming Soon**





# **YGTURN** for Cast Iron **K**

## Damper Pulley for Automotive Industry



**Grey Cast Iron**  
ASTM A48-40B  
JIS FC250  
DIN GG25

**CNMG 120408-UC,YG1001**  
**(CNMG 432-UC,YG1001)**

Vc 570 m/min  
(1870 ft/min)

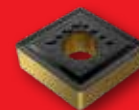
Fn 0.3 mm/rev  
(.012 in/rev)

Ap 2 mm  
(.08 in)

**↑ 60%**

**240 pcs**

**YG**  
**YG1001**



Tool  
life

**150 pcs**

**Competitor**  
K10 grade

## Grades



**YG1001** First choice for stable machining of cast iron  
• Substrate especially designed for high wear resistance

**YG3010** First choice for Ductile Cast iron  
• Increased wear resistance and chipping resistance

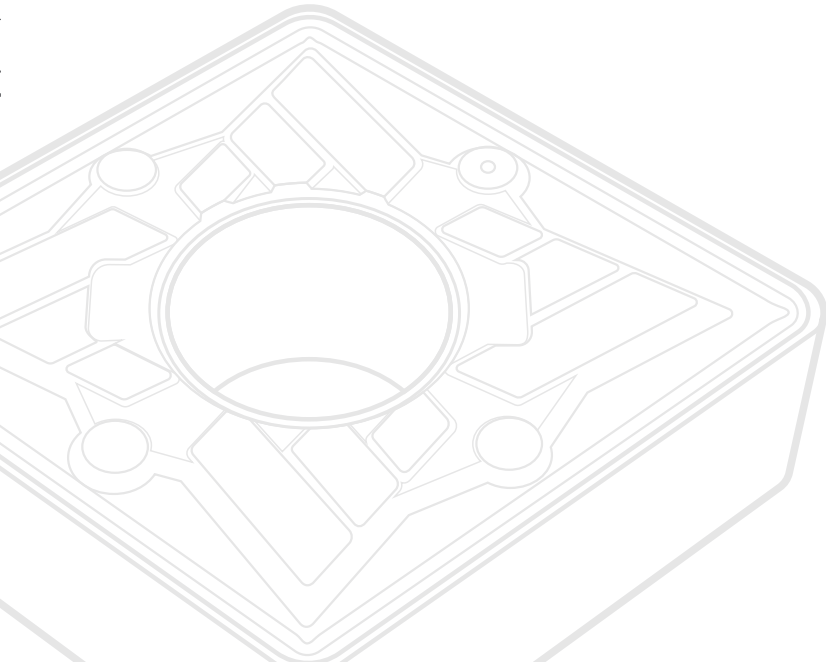
## Chipbreakers



 **UC** Medium Roughing

 **UR** Roughing and Heavy Interrupted Cut

 **MA** Cast Iron Heavy Roughing



**WGMILL** for Mold & Die Industry

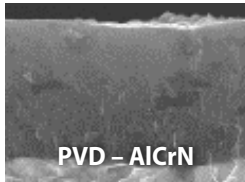




# YG622 High Alloy Steel Milling Grade

P20 - P40

M20 - M40



- for High alloy Steel and Cast Iron
- Combination of High Hardness coating and Tough Substrate
- First choice grade for Mold & Die segment

## -TR New Chipbreaker for heavy duty application



General  
Insert



New -TR  
Chipbreaker

- Reinforced edge design
- First choice grade for tough application



APKT -TR  
16



RDKT -TR  
08/10/12

### High Alloyed Steel

AISI H13  
JIS SKD61  
DIN 1.2344

### RDKT 1204M0 -TR, YG622

Vc 332 m/min  
(1080 ft/min)  
Fz 0.47 mm/tooth  
(.019 in/tooth)  
Ap 0.7 mm  
(.028 in)

**↑ 50%**

**90 pcs**

**YG  
YG622**



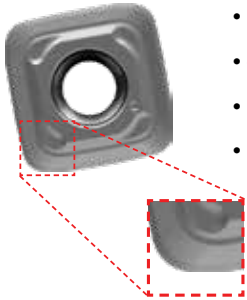
Tool  
life

**60 pcs**  
Competitor

**///G MiLL** High Feed



# SDMT Series



- High feed milling series
- 4 corner positive insert
- APMX 1.8mm
- Flat Wiper to improve surface finish

## Chipbreakers



**SDMT -ST**  
General Chipbreaker  
Lower cutting force



**SDMW**  
Heavy Duty Application  
Strong edge provides high toughness

**Austenitic  
Stainless Steel**

AISI 630  
JIS SUS630  
DIN 1.4542

**SDMT 120420 -ST, YG602**

Vc 120 m/min  
(400 ft/min)  
Fz 0.9 mm/tooth  
(.035 in/tooth)  
Ap 1 mm  
(.04 in)

**↑ 70%**

**54 pcs**

**YG**  
**YG602**

**Tool  
life**

**32 pcs**  
Competitor

**YGDRILL**



# WCMX Series



- 3 Corner Indexable Drilling Insert
- 4 insert sizes covering D21~52
- General Type with Good compatibility



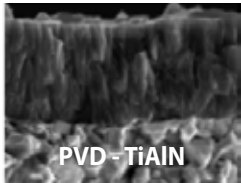
## YG602 Drilling Grade

P20 - P35

M20 - M40

K20 - K40

S15 - S25



Universal grade for General Drilling Application

- Ultra Dense PVD Coating with optimal thermal resistance & strength
- Sub-Micron substrate designed for demanding applications

### Low Alloy Steel

AISI 1045

JIS S45C

DIN C45E

### WCMX 06T308, YG602

Vc 120 m/min  
(400 ft/min)

Fz 0.12 mm/tooth  
(.005 in/tooth)

**↑ 50%**

**15 pcs**

**YG**

**YG602**

**10 pcs**

**Competitor**

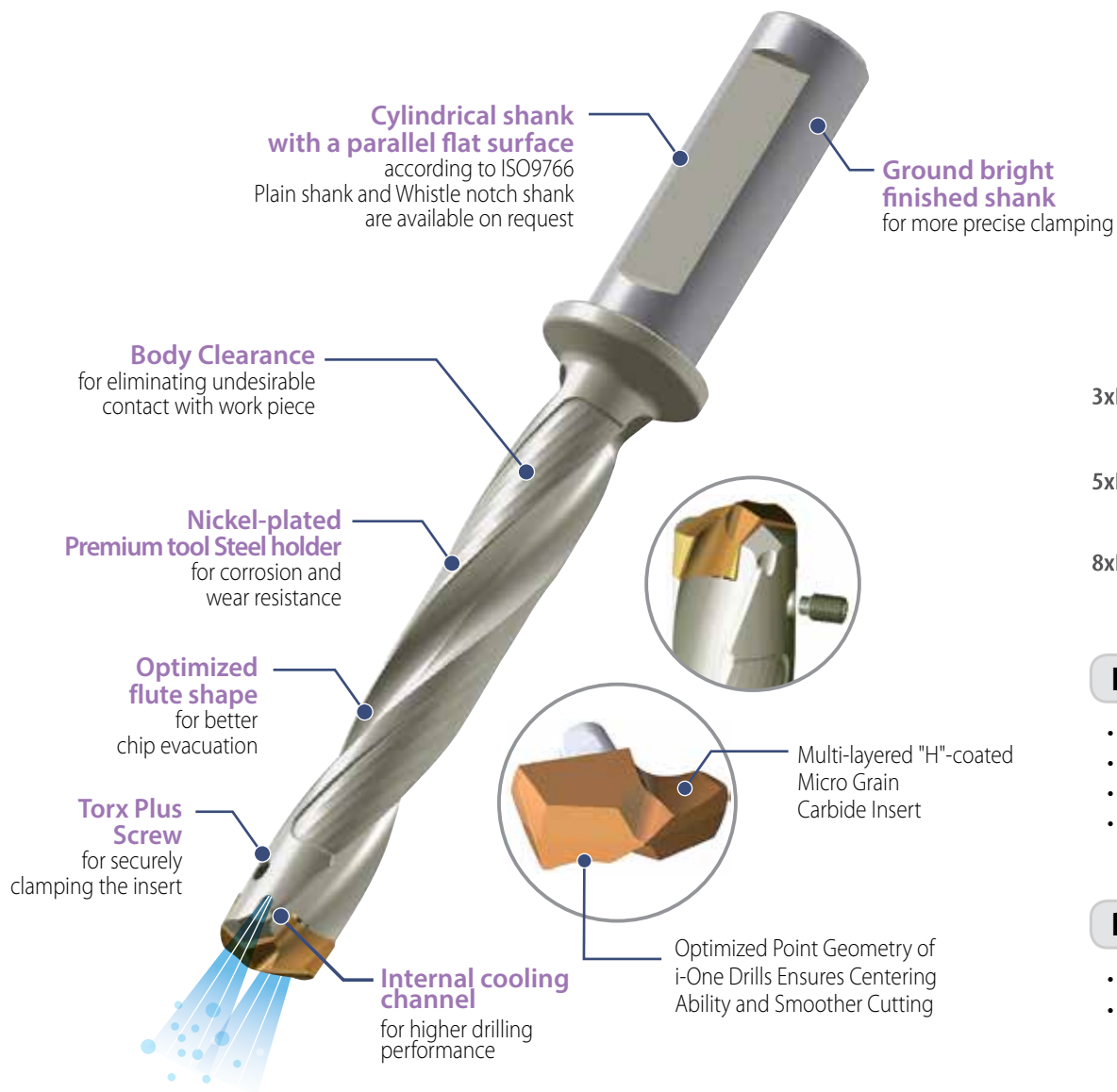
Tool life





**W/G** *i*-ONE DRILLS





## FEATURES & BENEFITS

- For Carbon Steels, Alloy Steels and Cast Iron
- Secure and quick clamping system
- High performance with Cost efficiency
- Multi-layered coating delivers outstanding productivity and reliability

## RANGE

- $\varnothing$  10mm -  $\varnothing$  33.73mm (0.3937-1.3281")
- Holder Length: 3XD, 5XD, 8XD



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**Note** The new address above has currently been updated to the new Korean postal standard valid since 2014.  
Notice that the physical Head Office location did NOT change.



Search 'YG-1' on social media outlets

Tool specifications are subject to change without prior notice.