

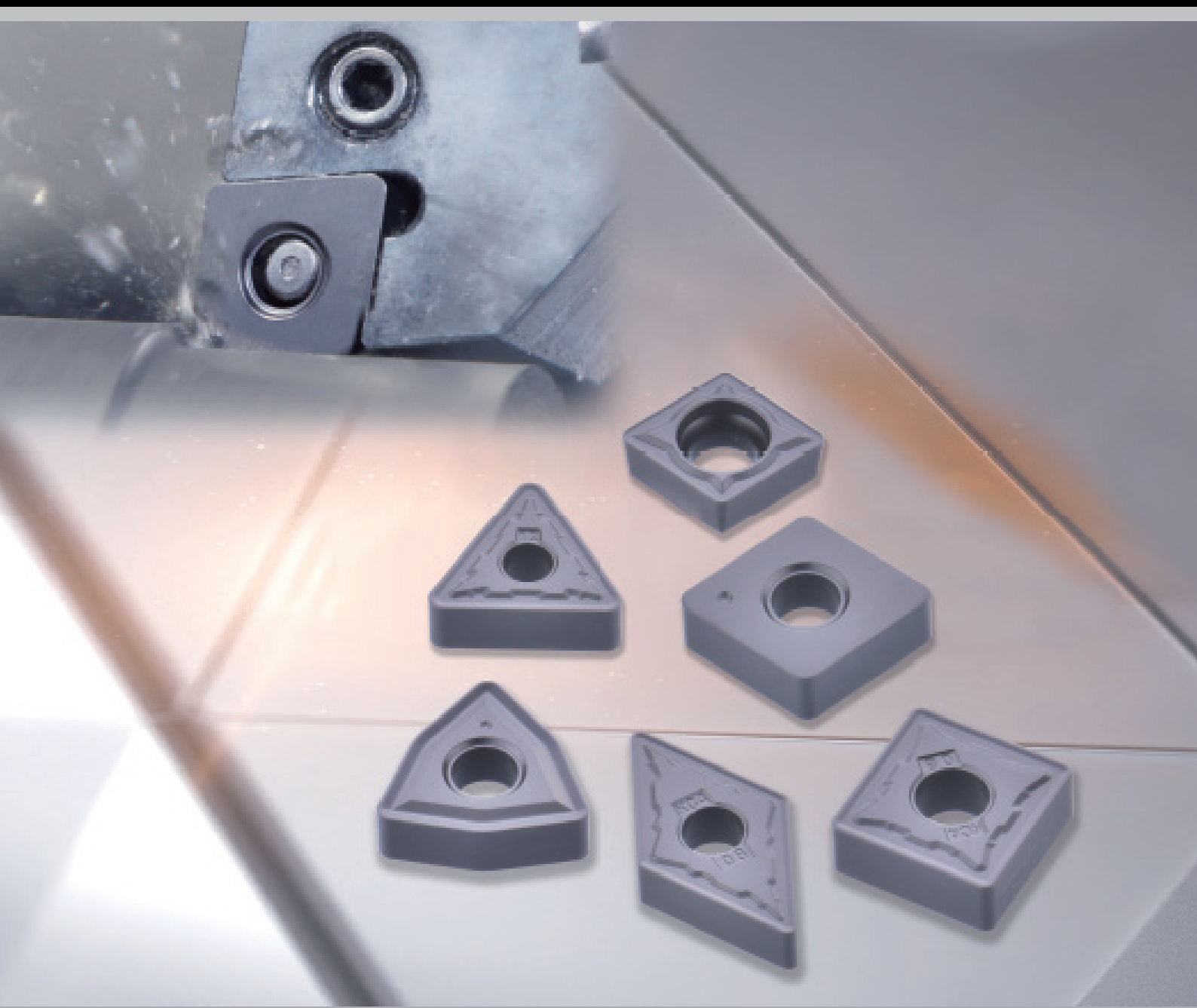
EASycut

December 2024

EC215A EC515A

**NEW
PRODUCT!**

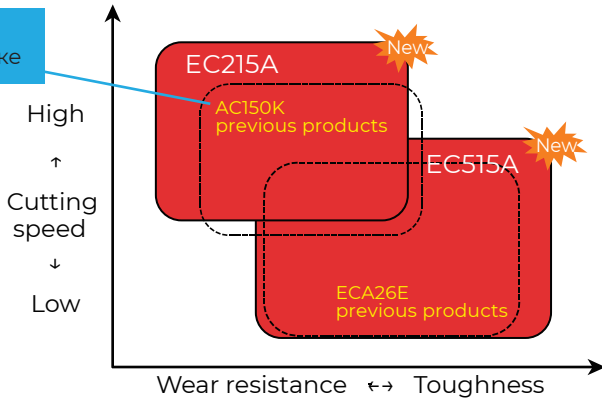
New generation of cast iron turning grade



New cast iron turning grades EC215A / EC515A

With the newly developed coating technology and cutting edge treatment technology, the new grades fully cover gray cast iron and nodular cast iron high-speed machining to general machining, and achieve stable and longer tool life.

EC215A / EC515A application scope



EC215A

Excellent wear resistance can be achieved in high-speed and high-efficient cast iron machining. By adopting ultra thick coating and nano structured coating technology, it can realize ultra-high speed machining at 600 m / min.

EC515A

1st option for cast iron machining. The new nano-structured coating technology can form high-strength and high wear resistance CVD coating and realize stable long tool life during cast iron machining.

Application scope and cutting conditions

| Workpiece materials | Application scope | | | | | | | | | |
|---------------------|---|-----|-----|-----|-----|---|-----|-----|-----|--|
| Cutting field | Finish machining ← | | | | | → Rough machining | | | | |
| ISO classification | K01 | K05 | K10 | K15 | K20 | K25 | K30 | K35 | K40 | |
| Grades | EC215A New | | | | | | | | | |
| | AC150K | | | | | | | | | |
| | | | | | | EC515A New | | | | |
| | ECA26E | | | | | | | | | |

Recommended cutting speed-negative inserts

| Materials | | | | EASYCUT turning grade | | | | | | |
|--------------|-------------------------|----------------------------------|-----------------------|---------------------------------------|--|-----|-----|------------|-----|-----|
| ISO | Material classification | | Brinell hardness (HB) | Tensile strength (N/mm ²) | Starting value of cutting speed V _c (m/min) | | | | | |
| | | | | | EC215A | | | EC515A | | |
| | | | | | f (mm/rev) | | | f (mm/rev) | | |
| | | | | 0.1 | 0.4 | 0.6 | 0.1 | 0.4 | 0.6 | |
| K | Malleable iron | Ferrite | 200 | 400 | 320 | 215 | 160 | 240 | 160 | 130 |
| | | pearlite | 260 | 700 | 290 | 175 | 125 | 200 | 120 | 95 |
| | Grey cast iron | Low tensile strength | 180 | 200 | 490 | 290 | 205 | 400 | 210 | 150 |
| | | High tensile strength /austenite | 245 | 350 | 265 | 185 | 135 | 200 | 150 | 100 |
| Ductile iron | Ferrite | 155 | 400 | 280 | 205 | 155 | 230 | 170 | 120 | |
| | pearlite | 265 | 700 | 205 | 155 | 135 | 170 | 120 | 100 | |

* This table only shows the general cutting conditions. The actual selection should be adjusted according to the machine rigidity, tool body, workpiece conditions, coolant and other factors (f = mm/rev needs to be adjusted according to the insert radius).

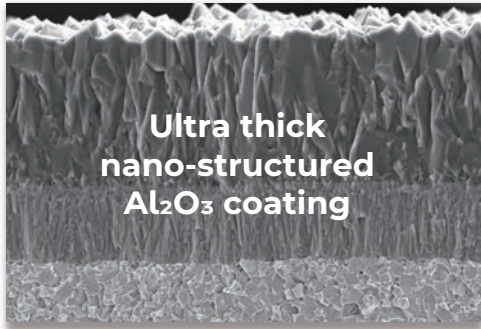
Recommended cutting speed-positive inserts

| Materials | | | | EASYCUT turning grade | | | | | | |
|--------------|-------------------------|----------------------------------|-----------------------|---------------------------------------|--|-----|-----|------------|-----|-----|
| ISO | Material classification | | Brinell hardness (HB) | Tensile strength (N/mm ²) | Starting value of cutting speed V _c (m/min) | | | | | |
| | | | | | EC215A | | | EC515A | | |
| | | | | | f (mm/rev) | | | f (mm/rev) | | |
| | | | | 0.1 | 0.4 | 0.6 | 0.1 | 0.4 | 0.6 | |
| K | Malleable iron | Ferrite | 200 | 400 | 280 | 180 | 130 | 230 | 150 | 120 |
| | | pearlite | 260 | 700 | 250 | 155 | 115 | 190 | 120 | 95 |
| | Grey cast iron | Low tensile strength | 180 | 200 | 430 | 260 | 180 | 390 | 200 | 140 |
| | | High tensile strength /austenite | 245 | 350 | 235 | 160 | 115 | 190 | 140 | 100 |
| Ductile iron | Ferrite | 155 | 400 | 240 | 180 | 135 | 220 | 160 | 120 | |
| | pearlite | 265 | 700 | 180 | 135 | 120 | 160 | 120 | 100 | |

* This table only shows the general cutting conditions. The actual selection should be adjusted according to the machine rigidity, tool body, workpiece conditions, coolant and other factors (f = mm/rev needs to be adjusted according to the insert radius).

Grade specification

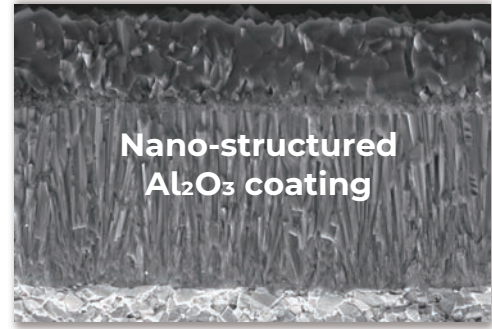
New coating with ultra thick Al_2O_3



EC215A

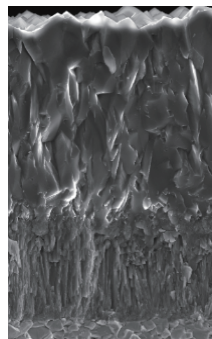
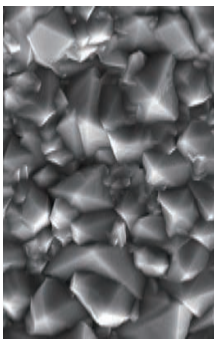
- The ultra thick Al_2O_3 and fine grain reinforced coating can effectively prevent flank wear, improve the wear resistance and realize high speed machining.
- Nano structured transition layer can improve coating adhesion which prevent coating peeling.
- The new substrate has high toughness and good impact resistance under complex working conditions.

Optimized crystal growth through the latest coating technology



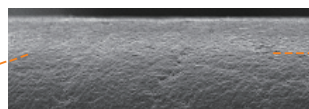
EC515A

- Controlled Al_2O_3 crystal growth achieved better wear resistance.
- Columnar crystal structure MT-TiCN gives the coating higher toughness.
- The new substrate has high toughness and good impact resistance under complex working conditions.



Optimized crystal growth

- New nano structured coating and optimized crystal growth technology can form high-strength and good wear resistance CVD coating.
- Excellent wear resistance can be achieved at high-speed and high-efficient cast iron machining.



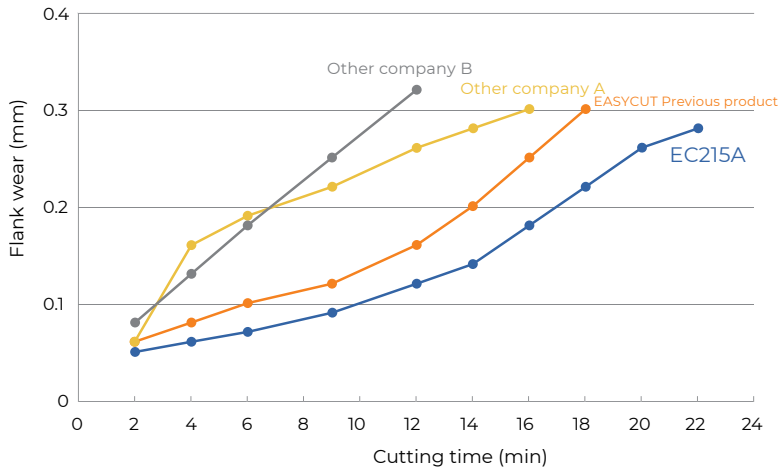
- The new honing technology make the cutting edge stronger and improve the chipping resistance.
- The new post-treatment technology achieves smooth coating surface and offers more stable cutting.

EASYCUT

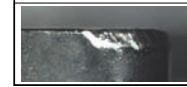
NEW PRODUCT INTRODUCTION

December 2024

EC215A continuous machining

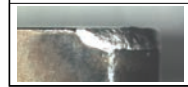


EC215A



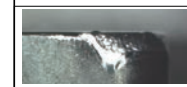
Cutting time 22 min

EASYCUT previous product



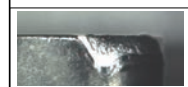
Cutting time 18 min

Other company A



Cutting time 16 min

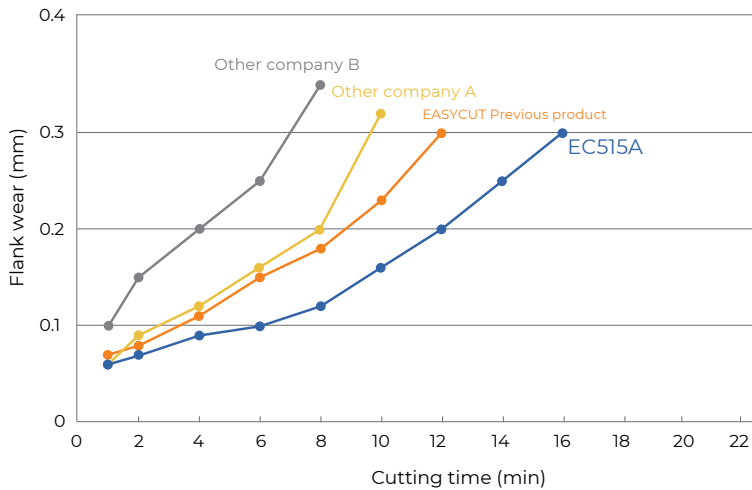
Other company B



Cutting time 12 min

Material: GG25
 Insert: CNMA 120408E-AR6 EC215A
 Cutting speed: 400 m/min
 Feed: 0.3 mm/rev
 Cutting depth: 1.0 mm
 Cooling: dry

EC515A interrupt machining



EC515A



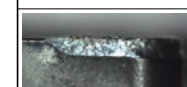
Cutting time 16 min

EASYCUT previous product



Cutting time 12 min

Other company A



Cutting time 10 min

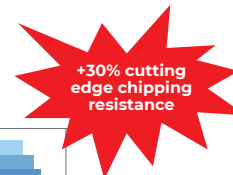
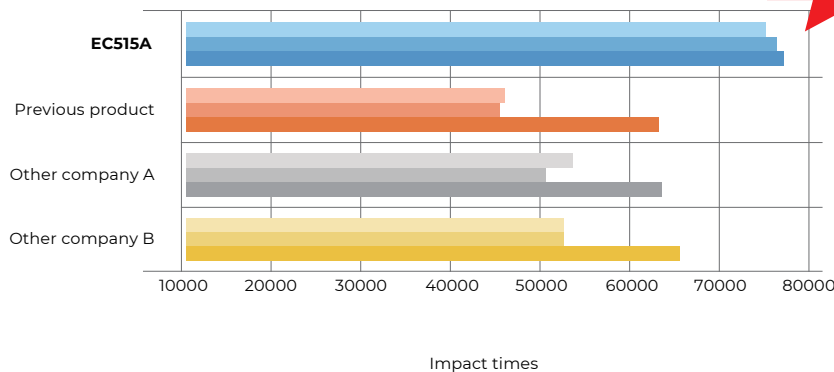
Other company B



Cutting time 8 min

Material: GG25
 Insert: CNMA 120408E-AR6 EC515A
 Cutting speed: 300 m/min
 Feed: 0.3 mm/rev
 Cutting depth: 2.0 mm
 Cooling: dry

EC515A interrupt machining



Cutting conditions
 Material: GG25
 Insert: CNMA 120408E-AR6 EC515A
 Cutting speed: 300 m/min
 Feed: 0.25 mm/rev
 Cutting depth: 2.0 mm
 Cooling: wet

Case studies



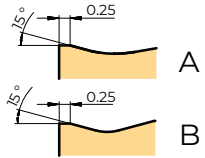
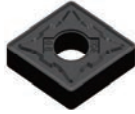

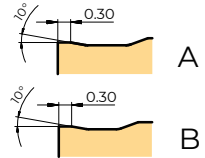
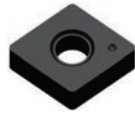


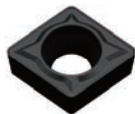

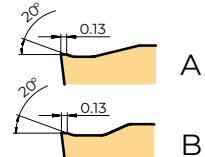
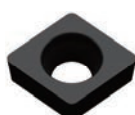


| | |
|----------------|---|
| Insert | WNMG080408E-AE5 EC215A |
| Workpiece | |
| Material | GGG60 |
| Machining type | Continuous machining |
| Cutting speed | 400 m/min |
| Feed | 0.2 mm/rev |
| Cutting depth | 1.5-2.0 mm |
| Coolant | Emulsion |
| Result | <p>Under the same cutting conditions, tool life is 33% longer than the competitor's.</p> |

| | |
|----------------|--|
| Insert | CNMG 120408E-HE5 EC215A |
| Workpiece | |
| Material | GG25 |
| Machining type | Continuous machining |
| Cutting speed | 300 m/min |
| Feed | 0.3 mm/rev |
| Cutting depth | 2.5 mm |
| Coolant | Dry cutting |
| Result | <p>Under the same cutting conditions with dry cutting, tool life is 25% longer than competitor's.</p> |








| | |
|----------------|---|
| Insert | WNMG 080408E-AE5 EC515A |
| Workpiece | |
| Materials | GGG45 |
| Machining type | Continuous machining |
| Cutting speed | 200-350 m/min |
| Feed | 0.25 mm/rev |
| Cutting depth | 2.0 mm |
| Coolant | Emulsion |
| Result | <p>Under the same cutting conditions, tool life is 50% longer than the competitor's.</p> |

| | |
|----------------|---|
| Insert | CNMG 120412E-AE5 EC515A |
| Workpiece | |
| Materials | GGG50 |
| Machining type | Continuous machining |
| Cutting speed | 300 m/min |
| Feed | 0.25-0.4 mm/rev |
| Cutting depth | 1.5 mm |
| Coolant | Emulsion |
| Result | <p>Under the same cutting conditions, tool life is 33% longer than the competitor's.</p> |

Geometry selection











| Application | | Geometry | | Features | Chipbreaker cross section |
|-------------|------------------|--|---|---|---|
| Negative | Medium machining | HE5  |  | 1st option for cast iron medium machining Full-around chip breaking design. It has high cutting edge strength and covers wide applications, 1st option for nodular cast iron machining. |  |
| | Rough machining | AE5  |  | 1st option for cast iron machining Used for cast iron rough machining. It has strong cutting edge, and offers reliable machining and stable performance. |  |
| | | AR6  |  | 1st option for gray cast iron rough machining, general purpose cast iron turning High edge strength, suitable for interrupt and unstable cutting. |  |
| Positive | Rough machining | AE3  |  | General purpose cast iron turning geometry Used for cast iron medium to medium-rough machining, simple and durable chip breaker design, wide application range. |  |
| | | AR6  |  | Used for cast iron rough machining, with hard skin Used for cast iron boring. It has strong edge and good edge chipping resistance. |  |

Negative inserts

| Insert | Product code | Dimension(mm) | | | | Grade | | Insert | Product code | Dimension(mm) | | | | Grade | | |
|---|------------------|---------------|--------|------|------|--------|---|---|---|------------------|------|-------|-------|--------|--------|---|
| | | r | d | l | s | EC215A | EC515A | | | r | d | l | s | EC215A | EC515A | |
|  | CNMG 120404E-HE5 | 0.4 | 12.7 | 12.9 | 4.76 | ● | ● |  | DNMG 150404E-HE5 | 0.4 | 12.7 | 15.5 | 4.76 | ● | ● | |
| | 120408E-HE5 | 0.8 | 12.7 | 12.9 | 4.76 | ● | ● | | 150408E-HE5 | 0.8 | 12.7 | 15.5 | 4.76 | ● | ● | |
| | 120412E-HE5 | 1.2 | 12.7 | 12.9 | 4.76 | ● | ● | | 150412E-HE5 | 1.2 | 12.7 | 15.5 | 4.76 | ● | ● | |
| | 160608E-HE5 | 0.8 | 15.875 | 16.1 | 6.35 | ○ | ○ | | 150604E-HE5 | 0.4 | 12.7 | 15.5 | 6.35 | ○ | ○ | |
| | 160612E-HE5 | 1.2 | 15.875 | 16.1 | 6.35 | ● | ● | | 150608E-HE5 | 0.8 | 12.7 | 15.5 | 6.35 | ● | ● | |
| | 160616E-HE5 | 1.6 | 15.875 | 16.1 | 6.35 | ● | ● | | 150612E-HE5 | 1.2 | 12.7 | 15.5 | 6.35 | ● | ● | |
| | 190608E-HE5 | 0.8 | 19.05 | 19.3 | 6.35 | ○ | ○ | |  | DNMG 110404E-AE5 | 0.4 | 9.525 | 11.62 | 4.76 | ○ | ● |
| | 190612E-HE5 | 1.2 | 19.05 | 19.3 | 6.35 | ○ | ○ | | | 110408E-AE5 | 0.8 | 9.525 | 11.62 | 4.76 | ● | ● |
| | 190616E-HE5 | 1.6 | 19.05 | 19.3 | 6.35 | ○ | ○ | | | 150404E-AE5 | 0.4 | 12.7 | 15.5 | 4.76 | ● | ● |
|  | CNMG 090308E-AE5 | 0.8 | 9.525 | 9.67 | 3.18 | ○ | ○ | 150408E-AE5 | | 0.8 | 12.7 | 15.5 | 4.76 | ● | ● | |
| | 120404E-AE5 | 0.4 | 12.7 | 12.9 | 4.76 | ● | ● | 150412E-AE5 | | 1.2 | 12.7 | 15.5 | 4.76 | ● | ● | |
| | 120408E-AE5 | 0.8 | 12.7 | 12.9 | 4.76 | ● | ● | 150604E-AE5 | 0.4 | 12.7 | 15.5 | 6.35 | ● | ● | | |
| | 120412E-AE5 | 1.2 | 12.7 | 12.9 | 4.76 | ● | ● | 150608E-AE5 | 0.8 | 12.7 | 15.5 | 6.35 | ● | ● | | |
| | 120416E-AE5 | 1.6 | 12.7 | 12.9 | 4.76 | ● | ● | 150612E-AE5 | 1.2 | 12.7 | 15.5 | 6.35 | ● | ● | | |
| | 160608E-AE5 | 0.8 | 15.875 | 16.1 | 6.35 | ● | ● |  | DNMA 150404E-AR6 | 0.4 | 12.7 | 15.5 | 4.76 | ○ | ● | |
| | 160612E-AE5 | 1.2 | 15.875 | 16.1 | 6.35 | ● | ● | | 150408E-AR6 | 0.8 | 12.7 | 15.5 | 4.76 | ● | ● | |
| | 160616E-AE5 | 1.6 | 15.875 | 16.1 | 6.35 | ● | ● | | 150412E-AR6 | 1.2 | 12.7 | 15.5 | 4.76 | ● | ● | |
| | 190608E-AE5 | 0.8 | 19.05 | 19.3 | 6.35 | ● | ● | | 150604E-AR6 | 0.4 | 12.7 | 15.5 | 6.35 | ○ | ● | |
| | 190612E-AE5 | 1.2 | 19.05 | 19.3 | 6.35 | ● | ● | | 150608E-AR6 | 0.8 | 12.7 | 15.5 | 6.35 | ● | ● | |
| 190616E-AE5 | 1.6 | 19.05 | 19.3 | 6.35 | ● | ● | 150612E-AR6 | 1.2 | 12.7 | 15.5 | 6.35 | ● | ● | | | |
| 190624E-AE5 | 2.4 | 19.05 | 19.3 | 6.35 | ● | ● |  | CNMA 120404E-AR6 | 0.4 | 12.7 | 12.9 | 4.76 | ● | ● | | |
|  | 120408E-AR6 | 0.8 | 12.7 | 12.9 | 4.76 | ● | | ● | SNMG 120404E-HE5 | 0.4 | 12.7 | 12.7 | 4.76 | ○ | ○ | |
| | 120412E-AR6 | 1.2 | 12.7 | 12.9 | 4.76 | ● | | ● | 120408E-HE5 | 0.8 | 12.7 | 12.7 | 4.76 | ● | ● | |
| | 120416E-AR6 | 1.6 | 12.7 | 12.9 | 4.76 | ● | | ● | 120412E-HE5 | 1.2 | 12.7 | 12.7 | 4.76 | ● | ● | |
| | 160608E-AR6 | 0.8 | 15.875 | 16.1 | 6.35 | ● | | ● | | | | | | | | |
| | 160612E-AR6 | 1.2 | 15.875 | 16.1 | 6.35 | ● | | ● | | | | | | | | |
| | 160616E-AR6 | 1.6 | 15.875 | 16.1 | 6.35 | ● | | ● | | | | | | | | |
| | 160620E-AR6 | 2.0 | 15.875 | 16.1 | 6.35 | ● | | ● | | | | | | | | |
| | 190608E-AR6 | 0.8 | 19.05 | 19.3 | 6.35 | ○ | | ● | | | | | | | | |
| | 190612E-AR6 | 1.2 | 19.05 | 19.3 | 6.35 | ● | | ● | | | | | | | | |
| | 190616E-AR6 | 1.6 | 19.05 | 19.3 | 6.35 | ● | ● | | | | | | | | | |










● Stocked ○ Non-stocked

Negative inserts

| Insert | Product code | Dimension(mm) | | | | Grade | | |
|---|---|------------------|--------|--------|------|--------|--------|---|
| | | r | d | l | s | EC215A | EC515A | |
|  | SNMG 090304E-AE5 | 0.4 | 9.525 | 9.525 | 3.18 | ○ | ○ | |
| | 090308E-AE5 | 0.8 | 9.525 | 9.525 | 3.18 | ○ | ● | |
| | 120404E-AE5 | 0.4 | 12.7 | 12.7 | 4.76 | ● | ● | |
| | 120408E-AE5 | 0.8 | 12.7 | 12.7 | 4.76 | ● | ● | |
| | 120412E-AE5 | 1.2 | 12.7 | 12.7 | 4.76 | ● | ● | |
| | 150608E-AE5 | 0.8 | 15.875 | 15.875 | 6.35 | ● | ● | |
| | 150612E-AE5 | 1.2 | 15.875 | 15.875 | 6.35 | ● | ● | |
| | 150616E-AE5 | 1.6 | 15.875 | 15.875 | 6.35 | ● | ● | |
| | 190608E-AE5 | 0.8 | 19.05 | 19.05 | 6.35 | ● | ● | |
| | 190612E-AE5 | 1.2 | 19.05 | 19.05 | 6.35 | ● | ● | |
| | 190616E-AE5 | 1.6 | 19.05 | 19.05 | 6.35 | ● | ● | |
| | 190624E-AE5 | 2.4 | 19.05 | 19.05 | 6.35 | ○ | ● | |
| |  | SNMA 120408E-AR6 | 0.8 | 12.7 | 12.7 | 4.76 | ● | ● |
| | | 120412E-AR6 | 1.2 | 12.7 | 12.7 | 4.76 | ● | ● |
| 120416E-AR6 | | 1.6 | 12.7 | 12.7 | 4.76 | ● | ● | |
| 150612E-AR6 | | 1.2 | 15.875 | 15.875 | 6.35 | ○ | ● | |
| 150616E-AR6 | | 1.6 | 15.875 | 15.875 | 6.35 | ● | ● | |
| 190612E-AR6 | | 1.2 | 19.05 | 19.05 | 6.35 | ● | ● | |
| 190616E-AR6 | | 1.6 | 19.05 | 19.05 | 6.35 | ● | ● | |
|  | TNMG 160404E-HE5 | 0.4 | 9.525 | 16.5 | 4.76 | ● | ● | |
| | 160408E-HE5 | 0.8 | 9.525 | 16.5 | 4.76 | ● | ● | |
| | 160412E-HE5 | 1.2 | 9.525 | 16.5 | 4.76 | ● | ● | |
| | 220412E-HE5 | 1.2 | 12.7 | 22.0 | 4.76 | ○ | ○ | |
|  | TNMG 110304E-AE5 | 0.4 | 6.35 | 11.0 | 3.18 | ○ | ○ | |
| | 160404E-AE5 | 0.4 | 9.525 | 16.5 | 4.76 | ● | ● | |
| | 160408E-AE5 | 0.8 | 9.525 | 16.5 | 4.76 | ● | ● | |
| | 160412E-AE5 | 1.2 | 9.525 | 16.5 | 4.76 | ● | ● | |
| | 160416E-AE5 | 1.6 | 9.525 | 16.5 | 4.76 | ● | ● | |
| | 220412E-AE5 | 1.2 | 12.7 | 22.0 | 4.76 | ● | ● | |
| | 220416E-AE5 | 1.6 | 12.7 | 22.0 | 4.76 | ● | ● | |
|  | TNMA 160404E-AR6 | 0.4 | 9.525 | 16.5 | 4.76 | ● | ● | |
| | 160408E-AR6 | 0.8 | 9.525 | 16.5 | 4.76 | ● | ● | |
| | 160412E-AR6 | 1.2 | 9.525 | 16.5 | 4.76 | ● | ● | |
| | 160416E-AR6 | 1.6 | 9.525 | 16.5 | 4.76 | ○ | ○ | |
| | 220408E-AR6 | 0.8 | 12.7 | 22.0 | 4.76 | ● | ● | |
| | 220412E-AR6 | 1.2 | 12.7 | 22.0 | 4.76 | ● | ● | |
| | 220416E-AR6 | 1.6 | 12.7 | 22.0 | 4.76 | ● | ● | |
| |  | VNMG 160404E-HE5 | 0.4 | 9.525 | 16.5 | 4.76 | ● | ● |
| | | 160408E-HE5 | 0.8 | 9.525 | 16.5 | 4.76 | ● | ● |
| | | 160412E-HE5 | 1.2 | 9.525 | 16.5 | 4.76 | ● | ● |
| |  | VNMG 160404E-AE5 | 0.4 | 9.525 | 16.5 | 4.76 | ● | ● |
| | | 160408E-AE5 | 0.8 | 9.525 | 16.5 | 4.76 | ● | ● |
| | | 160412E-AE5 | 1.2 | 9.525 | 16.5 | 4.76 | ● | ● |
| |  | WNMG 080404E-HE5 | 0.4 | 12.7 | 8.7 | 4.76 | ● | ● |
| 080408E-HE5 | | 0.8 | 12.7 | 8.7 | 4.76 | ● | ● | |
| 080412E-HE5 | | 1.2 | 12.7 | 8.7 | 4.76 | ● | ● | |
|  | WNMG 060404E-AE5 | 0.4 | 9.525 | 6.52 | 4.76 | ● | ● | |
| | 060408E-AE5 | 0.8 | 9.525 | 6.52 | 4.76 | ● | ● | |
| | 080404E-AE5 | 0.4 | 12.7 | 8.7 | 4.76 | ● | ● | |
| | 080408E-AE5 | 0.8 | 12.7 | 8.7 | 4.76 | ● | ● | |
| | 080412E-AE5 | 1.2 | 12.7 | 8.7 | 4.76 | ● | ● | |
| | 080416E-AE5 | 1.2 | 12.7 | 8.7 | 4.76 | ● | ● | |
| |  | WNMA 080404E-AR6 | 0.4 | 12.7 | 8.7 | 4.76 | ● | ● |
| 080408E-AR6 | | 0.8 | 12.7 | 8.7 | 4.76 | ● | ● | |
| 080412E-AR6 | | 1.2 | 12.7 | 8.7 | 4.76 | ● | ● | |
| 080416E-AR6 | | 1.6 | 12.7 | 8.7 | 4.76 | ● | ● | |

● Stocked ○ Non-stocked

Positive inserts

| Insert | Product code | Dimension(mm) | | | | Grade | | Insert | Product code | Dimension(mm) | | | | Grade | | |
|---|---|------------------|-------|-------|------|--------|-------------|---|---|------------------|-------|-------|-------|--------|--------|---|
| | | r | d | l | s | EC215A | EC515A | | | r | d | l | s | EC215A | EC515A | |
|  | CCMT 060204E-AE3 | 0.4 | 6.35 | 6.45 | 2.38 | ● | ● |  | SCMT 09T304E-AE3 | 0.4 | 9.525 | 9.525 | 3.97 | ● | ● | |
| | 060208E-AE3 | 0.8 | 6.35 | 6.45 | 2.38 | ● | ● | | 09T308E-AE3 | 0.8 | 9.525 | 9.525 | 3.97 | ● | ● | |
| | 09T304E-AE3 | 0.4 | 9.525 | 9.67 | 3.97 | ● | ● | | 120404E-AE3 | 0.4 | 12.7 | 12.7 | 4.76 | ○ | ○ | |
| | 09T308E-AE3 | 0.8 | 9.525 | 9.67 | 3.97 | ● | ● | | 120408E-AE3 | 0.8 | 12.7 | 12.7 | 4.76 | ● | ● | |
| | 120404E-AE3 | 0.4 | 12.7 | 12.9 | 4.76 | ● | ● | | 120412E-AE3 | 1.2 | 12.7 | 12.7 | 4.76 | ● | ● | |
| | 120408E-AE3 | 0.8 | 12.7 | 12.9 | 4.76 | ● | ● | |  | SCMW 09T304E-AR6 | 0.4 | 9.525 | 9.525 | 3.97 | ● | ● |
| | 120412E-AE3 | 1.2 | 12.7 | 12.9 | 4.76 | ● | ● | | | 09T308E-AR6 | 0.8 | 9.525 | 9.525 | 3.97 | ● | ● |
|  | CCMW 060204E-AR6 | 0.4 | 6.35 | 6.45 | 2.38 | ● | ● | 120404E-AR6 | | 0.4 | 12.7 | 12.7 | 4.76 | ○ | ○ | |
| | 09T304E-AR6 | 0.4 | 9.525 | 9.67 | 3.97 | ● | ● | 120408E-AR6 | | 0.8 | 12.7 | 12.7 | 4.76 | ● | ● | |
| | 09T308E-AR6 | 0.8 | 9.525 | 9.67 | 3.97 | ● | ● |  | TCMT 090204E-AE3 | 0.4 | 5.56 | 9.63 | 2.38 | ● | ● | |
| | 120404E-AR6 | 0.4 | 12.7 | 12.9 | 4.76 | ● | ● | | 090208E-AE3 | 0.8 | 5.56 | 9.63 | 2.38 | ● | ● | |
| | 120408E-AR6 | 0.8 | 12.7 | 12.9 | 4.76 | ● | ● | | 110204E-AE3 | 0.4 | 6.35 | 11.0 | 2.38 | ● | ● | |
| | 120412E-AR6 | 1.2 | 12.7 | 12.9 | 4.76 | ● | ● | | 110208E-AE3 | 0.8 | 6.35 | 11.0 | 2.38 | ● | ● | |
|  | DCMT 070204E-AE3 | 0.4 | 6.35 | 7.75 | 2.38 | ● | ● | | 16T304E-AE3 | 0.4 | 9.525 | 16.5 | 3.97 | ● | ● | |
| | 070208E-AE3 | 0.8 | 6.35 | 7.75 | 2.38 | ○ | ○ | | 16T308E-AE3 | 0.8 | 9.525 | 16.5 | 3.97 | ● | ● | |
| | 11T304E-AE3 | 0.4 | 9.525 | 11.62 | 3.97 | ● | ● | 16T312E-AE3 | 1.2 | 9.525 | 16.5 | 3.97 | ● | ● | | |
| | 11T308E-AE3 | 0.8 | 9.525 | 11.62 | 3.97 | ● | ● |  | TCMW 110204E-AR6 | 0.4 | 6.35 | 11.0 | 2.38 | ● | ● | |
| | 11T312E-AE3 | 1.2 | 9.525 | 11.62 | 3.97 | ○ | ○ | | 110208E-AR6 | 0.8 | 6.35 | 11.0 | 2.38 | ○ | ● | |
| |  | DCMW 070204E-AR6 | 0.4 | 6.35 | 7.75 | 2.38 | ● | | ● | 16T304E-AR6 | 0.4 | 9.525 | 16.5 | 3.97 | ○ | ● |
| 070208E-AR6 | | 0.8 | 6.35 | 7.75 | 2.38 | ○ | ○ | | 16T308E-AR6 | 0.8 | 9.525 | 16.5 | 3.97 | ● | ● | |
| 11T304E-AR6 | | 0.4 | 9.525 | 11.62 | 3.97 | ● | ● |  | VBMT 160404E-AE3 | 0.4 | 9.525 | 16.61 | 4.76 | ● | ○ | |
| 11T308E-AR6 | | 0.8 | 9.525 | 11.62 | 3.97 | ○ | ● | | 160408E-AE3 | 0.8 | 9.525 | 16.61 | 4.76 | ● | ● | |
| | | | | | | | 160412E-AE3 | | 1.2 | 9.525 | 16.61 | 4.76 | ● | ● | | |

● Stocked ○ Non-stocked