

Indexable
Milling
+Modular Series

No. 320.5

ASR Pico Turbo Metric Series

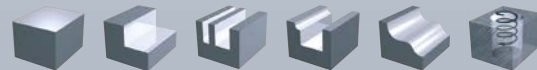
High Feed Cutting (HFC) & High Hardness Cutting (HHC)

Ø 16 mm ~ Ø 66 mm

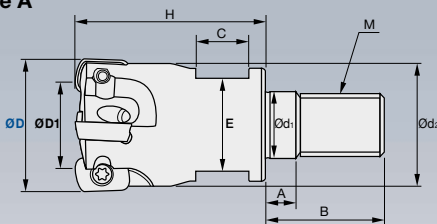


ASR Pico
Insert Radius: **R8**
CAM Radius: **R2**

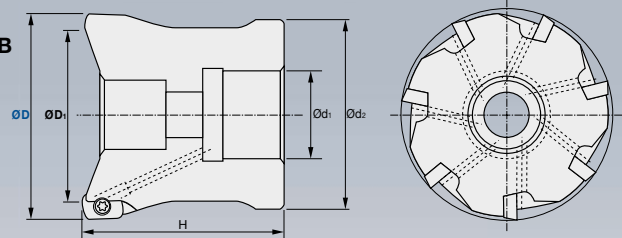
| | | | | |
|--------------------------------|------------------------|----------------------|-----------------------|----------------------------|
| Q max High Efficient | Jet Air Hole | ▽ Roughing | HRC 54 (62) | No. of Teeth 2-8 |
|--------------------------------|------------------------|----------------------|-----------------------|----------------------------|



Type A





Type B



CAM Radius: 2 mm ØD 0 / -0.2

| | ID Code | Item Code | Flutes | ØD | ØD ₁ | H | Ød ₁ | M | Ød ₂ | A | B | C | E | Inserts | One Insert-size for all diameters Ø 16 mm ~ Ø 66 mm |
|--------|---------|--------------|--------|----|-----------------|----|-----------------|-----|-----------------|-----|----|----|----|---|---|
| Type A | FH 529 | ASRM-2016R-2 | 2 | 16 | 6.2 | 25 | 8.5 | M8 | 13 | 5.5 | 17 | 10 | 10 | EPNW0603TN-8 EPMT0603TN-8 EPMT0603EN-8LF  EPNW0603TN-8 | |
| | FH 530 | ASRM-2020R-3 | 3 | 20 | 10.2 | 30 | 10.5 | M10 | 18 | 6 | 19 | 10 | 15 | | |
| | FH 531 | ASRM-2025R-4 | 4 | 25 | 15.2 | 35 | 12.5 | M12 | 21 | 7 | 22 | 10 | 17 | | |
| | FH 532 | ASRM-2032R-5 | 5 | 32 | 22.2 | 40 | 17 | M16 | 29 | 7 | 23 | 12 | 22 | | |
| Type B | FH 533 | ASRM-2040R-6 | 6 | 40 | 30.2 | 40 | 17 | M16 | 29 | 7 | 23 | 12 | 22 | | |
| | FH 537 | ASR-2042RM-6 | 6 | 42 | 32.2 | 40 | 16 | | 32 | | | | | | |
| | FH 538 | ASR-2052RM-7 | 7 | 52 | 42.2 | 50 | 22 | | 47 | | | | | | |
| | FH 539 | ASR-2066RM-8 | 8 | 66 | 56.2 | 50 | 27 | | 60 | | | | | | |

| | | | |
|---|------------|--|-----------|
| Clamp Screw  | | Wrench  | |
| ID-Code | Item-Code | ID-Code | Item-Code |
| ET175 | 250-141(A) | ET13 | 104-T8 |

New Inserts & Grades
(also for Stainless Steels)

+ Special Insert: Low Force Type

INSERTS ASRM/ASRB | Pico – Turbo Metric Series – Modular/Bore Type

| | | CVD For heavy roughing of mild steels | | PVD Tough grade for pre-hardened steels | | PVD For stainless steels | | PVD Hybrid Coating | | PVD Thick layer for soft materials + Wet Cutting | | | | |
|---------|-----------------|---------------------------------------|------------|---|-----------|--------------------------|--------|--------------------|-----------|--|--------------|-------|-------|--|
| Inserts | | GX Coated | JP Coated | | JM Coated | TB Coated | | | JS Coated | R | Insert Shape | | | |
| ID Code | Item Code | GX2140 | JP4005 | JP4020 | JM4060 | TB6005 | TB6020 | TB6045 | JS4060 | | | | | |
| WF235 | EPNW0603TN-8 | GX2140 | | | | | | | | | 2 | Fig.1 | | |
| WF236 | EPNW0603TN-8 | NEW | | | JM4060 | | | | | | | | Fig.2 | |
| WF237 | EPNW0603TN-8 | | JP4005 | | | | | | | | | | Fig.3 | |
| WF641 | EPNW0603TN-8 | | | | | TB6005 | | | | | | | | |
| WF642 | EPNW0603TN-8 | | | | | | TB6020 | | | | | | | |
| WF643 | EPNW0603TN-8 | | | | | | | TB6045 | | | | | | |
| WF208 | EPNW0603TN-8 | | | JP4020 | | | | | | | | | | |
| WF209 | EPNW0603TN-8 | | | | | | | | JS4060 | | | | | |
| WF206 | EPMT0603TN-8 | | | JP4020 | | | | | | JS4060 | | | | |
| WF207 | EPMT0603TN-8 | | | | | | | | | JS4060 | | | | |
| WF232 | EPMT0603TN-8 | GX2140 | | | | | | | | | | | | |
| WF233 | EPMT0603TN-8 | NEW | | | JM4060 | | | | | | | | | |
| WF234 | EPMT0603TN-8 | | JP4005 | | | | | | | | | | | |
| WF231 | EPMT0603EN-8LF* | | NEW | | JM4060 | | | | | | | | | |

NEW* LF = Low Force

CAM Radius →

NEW Item Info: New Grades & Insert Shape

GX2140: New CVD coating for heavy roughing of mild steel (≤35HRC)
Smooth surface of coating: Better adhesion resistance
Thicker Al₂O₃ layer: Better heat resistance
Nano-Ti(C,N): Better wear resistance
Tougher substrate: Better crack resistance

JM4060: For stainless steel
Advanced PVD technology makes higher adherence

- best form for stainless steel
- better wear & chipping resistance

Combination with tougher substrate makes

- higher heat resistance
- better chipping resistance

JP4005: For high-hardened material (≥50HRC)
Ultra micro grain & higher-adhesive coating

NEW PICO LF Type (Fig. 3) Low Force

- sharper than standard chip breaker
- better for sticky material

Product Range

| | | | |
|-------------------------|------|---|------|
| Solid Carbide End Mills | | | |
| Indexable Milling Tools | | ESM Speed End Mills EMC Power Drills | |
| Milling Chucks | | | |

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