

ASR Pico Turbo Metric Series

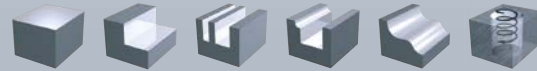
High Feed Cutting (HFC) & High Hardness Cutting (HHC)

D 16 mm ~ D 66 mm

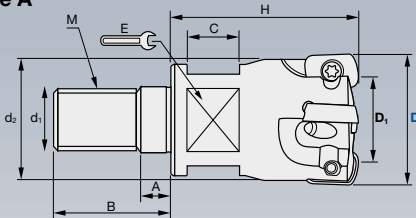


ASR Pico
Insert Radius: **R8**
CAM Radius: **R2**

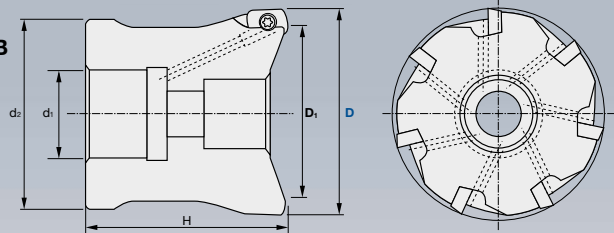
Q max High Efficient	Jet Air Hole	▽ Roughing	HRC 60	No. of Teeth 2-8
--------------------------------	------------------------	----------------------	------------------	----------------------------



Type A



Type B



Tolerance Dia.:	CAM Radius:	Torque on screw:
0/-0.2mm	2 mm	1.3 Nm

	ID Code	Item Code	Flutes	D	D ₁	H	d ₁	M	d ₂	A	B	C	E	Inserts	One Insert-size for all diameters D 16 mm ~ D 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			
	FH 533	ASRM-2040R-6	6	40	30.2	50	16	-	32	-	-	-				
Type B	FH 537	ASRM-2042RM-6	6	42	32.2	50	16	-	32	-	-	-	-			
	FH 538	ASRM-2052RM-7	7	52	42.2	50	22	-	47	-	-	-	-			
	FH 539	ASRM-2066RM-8	8	66	56.2	50	27	-	60	-	-	-	-			

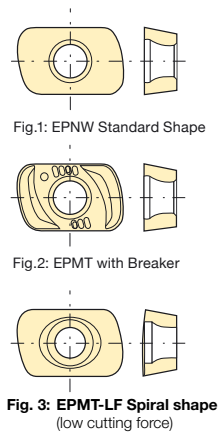
Clamp Screw		Wrench	
ID-Code	Item-Code	ID-Code	Item-Code
ET175	250-141(A)	ET13	104-T8

+ Special Insert: Low Force Type

Indexable Milling Tools

ASR | Pico – Turbo Metric Series – Modular/Bore Type

Inserts	Target Hardness of Workpiece							R	Insert Shape	
	Soft						Hard			
Item Code	Grade							ID Code	Insert Shape	
	GX2140	JM4060	JS4060	TB6045	JP4020	TB6020	TB6005			JP4005
EPNW0603TN-8	WF235								2	Fig.1
EPNW0603TN-8		WF236								
EPNW0603TN-8							WF237			
EPNW0603TN-8						WF642				
EPNW0603TN-8				WF643						
EPNW0603TN-8					WF208					
EPNW0603TN-8			WF209							
EPMT0603TN-8					WF206					
EPMT0603TN-8			WF207							
EPMT0603TN-8	WF232									
EPMT0603TN-8		WF233								
EPMT0603TN-8							WF234			
EPMT0603EN-8LF*		WF231								Fig.3



* LF = Low Force

GX2140	CVD · For heavy roughing of mild steels Recommended for dry cutting
JM4060	PVD · For stainless steels & carbon steels < 35HRC
JS4060	PVD · For carbon steels < 35HRC
TB6045	PVD · General steels for 30–40 HRC / Recommended for dry cutting

JP4020	PVD · For pre-hardened steels 40–55 HRC
TB 6020 - 6005	PVD · Hybrid Coating
JP4005	PVD · For hardened steels > 50 HRC

Grades Overview: Page 4

ASR | Pico – Turbo Metric Series – Modular/Bore Type

Item Info: Grades & Insert Shape

GX2140: 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

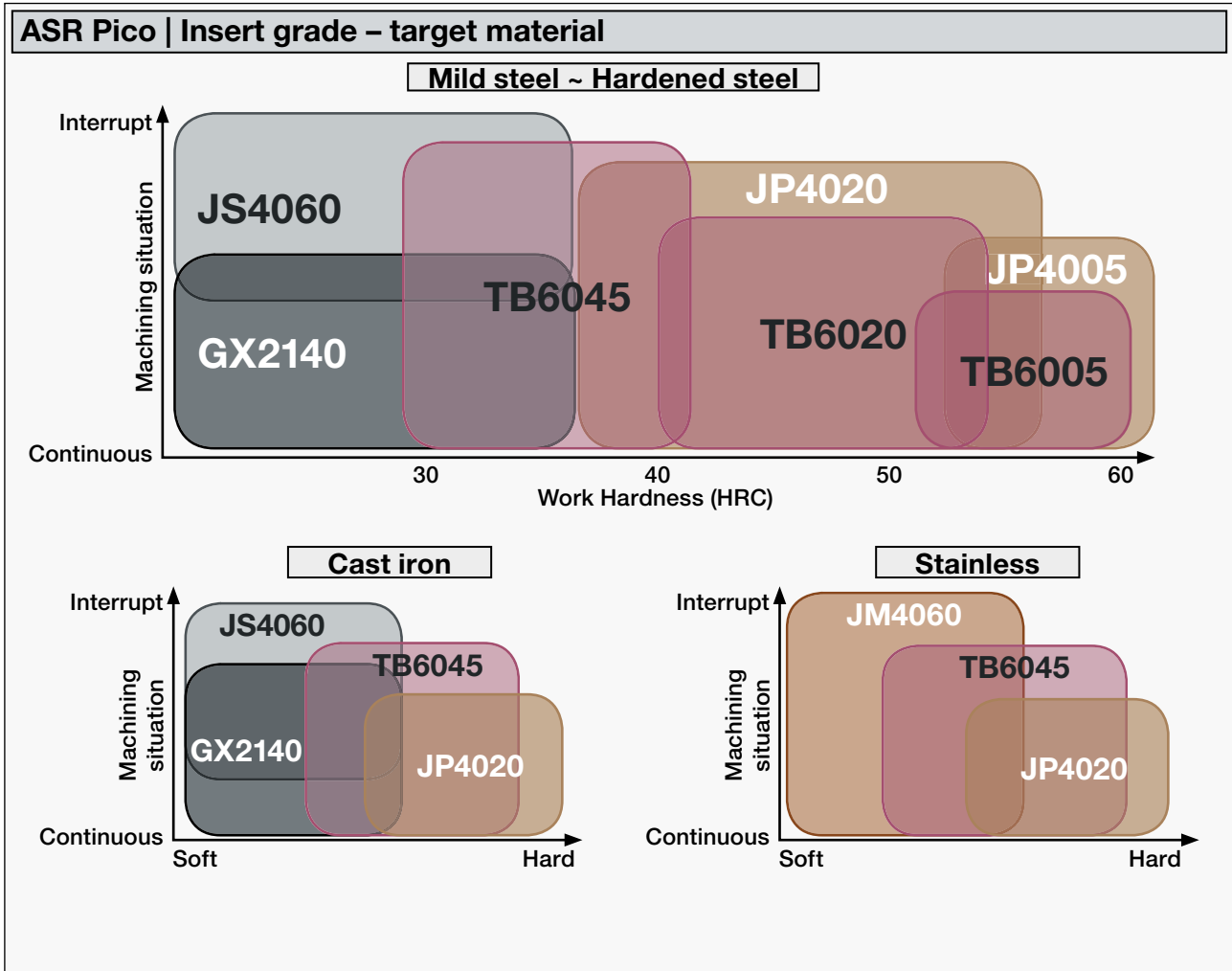
Combination with tougher substrate makes

- higher heat resistance
- better chipping resistance

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

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



WHNSB Drills



Milling Chucks



www.mmc-hitachitool-eu.com/quickfinder

MMC Hitachi Tool Engineering Europe GmbH

Itterpark 12 · 40724 Hilden · Germany · Phone +49 (0) 21 03-24 82-0 · Fax +49 (0) 21 03-24 82-30
 E-Mail info@mmc-hitachitool-eu.com · Internet www.mmc-hitachitool-eu.com
 © 2015 by MMC Hitachi Tool Engineering Europe GmbH · 5th Edition · Printed in Germany