

Broaching Machines and Broaches

NC Helical Broaching Machines

BV-T25-17MNC

Features:

- Helical NC pull down and table up machine capabilities range from 3 to 50 tons
- Accuracy that achieves automotive helical internal gear requirements
- Ease of changeability and available automatic tool change option
- Compact and energy saving design



BV-T25-17MNC			
Max. pulling force (kn)	250	Max. dia. of workpiece (mm)	200
Max. stroke (mm)	1,700	Lead control	NC control
Cutting speed 60 Hz (m/min)	3 ~ 7	Main motor (kw)	Servo CA/AC servo 13x2
Return speed 60 Hz (m/min)	1 ~ 10	Machine height (mm)	5,600
Broach lifter stroke (mm)	450	Floor space (mm)	3,300 x 5,500
Bolster hole dia. (mm)	160	Machine weight (kg)	22,000

'Spiral Glide' Helical Broaches

Features:

- 'Spiral Glide' spiral gullet helical broach improves workpiece accuracy
- Minimized peak cutting force
- Reduces vibration to improve machine tool life



Hard Broaching Machine

HW-5008

Features:

- Table-up hard broaching machine handles very hard materials with super precision



HW-5008			
Max. pulling force (kn)	50	Max. outside dia. of workpiece (mm)	280
Max. stroke (mm)	800	Workpiece fitting height (mm)	1,000
Cutting speed (m/min)	1 ~ 60 (60)	Machine height (mm)	3,400
Return speed (m/min)	1 ~ 60	Floor space (mm)	1,780 x 1,900
Bolster hole dia. (mm)	120	Machine weight (kg)	5,700



GEAR TOOLS

Broaches for MQL

Features:

- World's first semi-dry broaches
- Eliminates the cleaning process requirement after broaching
- Reduces operation costs
- Designed for use with environmentally conscious cutting oils



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Cutting & Machine Tools

Hob, Shaper & Skiving Cutters

Used for rough cutting gears, they are available in sizes from 1/2" to 12" diameters, and from 3/4 to 96 pitch. All tools are manufactured fully ground and come in A and AA quality ranges. Advanced Nachi material and coating technology provides extended tool life.



Rotary Shaving Cutters

Shaving cutters are produced in sizes from 1" to 16 1/2" diameters, 1 to 32 pitch with face widths in excess of 4". These high quality powdered metal tools are ground on Nachi built precision CNC grinders. CNC inspection certificates and charts are supplied with each tool.



EX Coated Broach

EX coat for broaching ensures consistent accuracy and improved wear resistance. Nachi provides long tool life with both water soluble cutting fluid and water-immiscible cutting fluid.



Roll Forming Racks

Rolling racks are manufactured on dedicated CNC equipment and tested on in-house Nachi rolling machines and are available for thread, oil groove and spline (helical and spur) applications.



Broach Cutting Tools

We offer a complete line of broaching tools for virtually every application and every market. These tools are manufactured to ultra precision tolerances. Styles include essentially all types of internal and external broaches produced anywhere in the world today. We offer versatility in both material types broached and geometrical achievement. Nachi's material and coating technologies have extended tool life, thereby reducing overall piece cost.



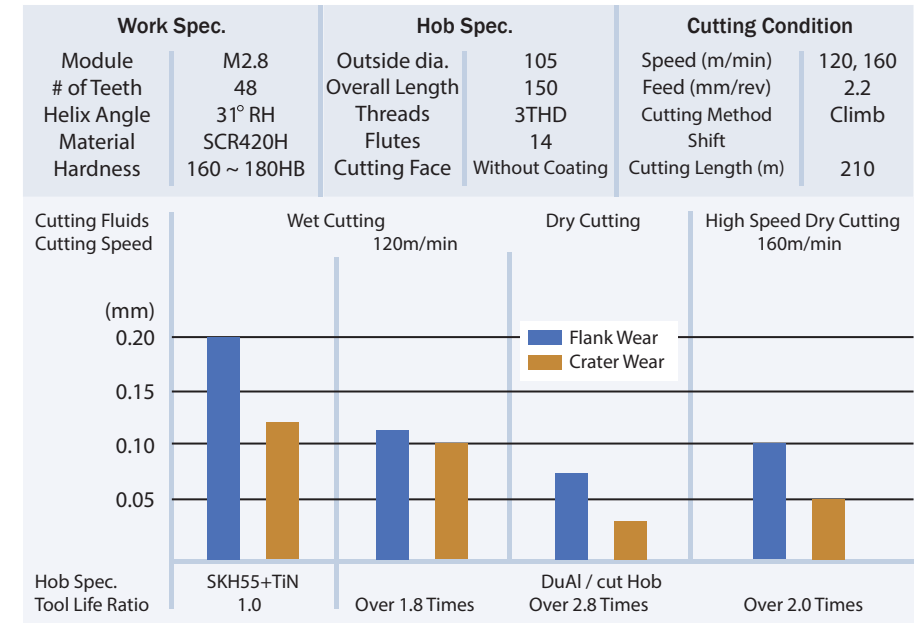
DuAl Cut Hobs - for Dry and Wet Hobbing

Features:

- DuAl cut hobs improve productivity in both dry and wet cutting
- Reduces cost
- Environmentally friendly



Module M1 ~ M3.5
Outside Dia. 40 ~ 115



Forming Machines

Mechanical Vertical Precision Roll Forming Machines PFM Series

Features:

- Easy access design for improved tool change
- Available in mechanical and NC versions
- NC version has the ability to adjust the speed during the rolling process, which greatly improves accuracy
- Conserves energy and is compact in size

	PFM-610E	
Max. rolling dia. (mm)	40	40
Max. rack holder width (mm)	150	150
Max. rolling module (mm)	m1.30	m1.30
Max. rack length (mm)	610	915
Max. rack stroke (mm)	800	1,200
Opening section distance (mm)	139.7	139.7
Floor space (mm x mm)	1,700 x 1,600	1,800 x 1,800
Machine weight (kg)	7,500	14,000



Ask Us About Our Production and Prototype Capabilities and Full Regrind Services