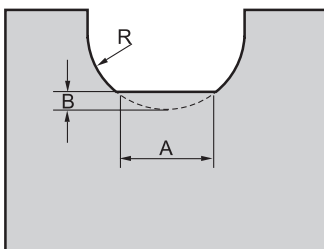


# **BMR03** series **Ball nose end mills**



- ◆ The unique chipbreaker design and big rake angle can effectively control the curling and flow direction of chippings and reduce the cutting force, improve workpiece surface quality and tool life.
- ◆ The insert after precisely grinding periphery and locating surface can sufficiently ensure the shape accuracy of cutting edge and the precision of location and installation, improve the reliability of installation and the workpiece precision after machining.
- ◆ The concave structure design of flank can effectively enhance the strength of cutting edge, and prevent the scraping between the clearance face and workpiece surface. Therefore it improves the workpiece surface quality and prolongs the life of insert.
- ◆ The design of cutting edge over center and a big negative rake angle make it possible to cut vertically, thus the capability of anti-breakage is enhanced.
- ◆ The rough ball nose milling cutters with big diameter adopt the top and hole clamping style, insert clamping becomes more firm and stable. The machining also is high efficiency even at the poor condition such as long overhang and large vibration etc.
- ◆ The adapter types include straight shank, Weldon shank, Morse taper shank and compound shank.

## Slot shape after machining



R	A	B
08	1.7	0.09
10	2.2	0.12
12.5	3.0	0.18
15	3.9	0.20
16	3.5	0.22
20	3.6	0.24
25	3.8	0.26

### Notes:

- The insert edge should correspond to the locating face of insert pocket on the tool, don't install the wrong side.
- Before screwing down the insert, ensure the good connection between insert and insert pocket.
- According to the machine power and machining conditions to select and adjust the cutting parameters.
- If vibration occurs in the machining process, reduce the cutting speed moderately.