

SHAPER DUO



Hexalobular Socket



Hexagon Socket




Square Socket



WATCH ON
YouTube


- Now available for Hexalobular(6-lobe) Socket
- Perfect fit for back spindle of Swiss machine
- Achieves good corner edge sharpness
- Less tool pressure than Rotary-Broaching
- Easy to adjust for correct dimension
- Economical double-ended insert bar (Except for Hexalobular)

Comparison Chart of Hexalobular Socket Machining

	Tool Pressure	Cycle Time	Tool Cost	High speed spindle	Program	
Shaper Duo 	⊙	⊙	⊙	Not necessary	Simple	<ul style="list-style-type: none"> • No high speed spindle needed • A lot less cycle time
End milling	○	×	△	Necessary	Complicated	<ul style="list-style-type: none"> • Need high speed spindle • Time consuming process

- Small diameter endmill driven by high-speed spindle is popular way to create Hexalobular(6-lobe) socket. It has some flexibility but needs high speed spindle unit and it is a time consuming process.
- SHAPER DUO can make Hexalobular(6-lobe) socket faster and simpler.

Comparison Chart of HEX Socket Machining

	Tool Pressure	Cycle Time	Flexibility	Tool Cost	
Shaper Duo 	⊙	△ <small>* Can be off-set by over-wrapping operation</small>	○	⊙	<ul style="list-style-type: none"> • Less tool pressure-especially on small diameter parts • One size can cover several socket sizes
Broach Tool	△	○	×	△	<ul style="list-style-type: none"> • Need to have tools for each socket size

- Rotary-broach is an efficient way for Hexagon socket. But tool pressure is high and often times it pushes part too hard.
- SHAPER DUO system enables less tool pressure and provides better tolerance with less cost.