

# IGS-080-40000-4

## INTERNAL GRINDING SPINDLE

Internal grinding and specifically machining small holes with small diameter grinding quills, requires maximum speed and stiffness. Our high speed internal grinding spindles stand out with a compact yet powerful design and great damping for best surface quality.

THE SPINDLE DIAMETER	Ø80mm
MAXIMUM SPEED	40,000rpm
MAXIMUM FREQUENCY	1,334Hz
RATED SPEED	30,000rpm
RATED FREQUENCY	1,000Hz
RATED VOLTAGE	380V
RATED CURRENT	8.2A
RATED POWER	4.0kW
RATED TORQUE	1.29N.m
MOTOR TYPE	Asynchronous motor
BEARING TYPE	Ceramic ball bearing
COOLING METHOD	Water cooling(recommended)
THE COOLING FLOW RATE	2-3L/min(Hydraulic pressure 0.25MPa)
MOTOR TEMPERATURE SENSOR TYPE	KTY
VIBRATION VELOCITY	0.8mm/s
THE SPINDLE WEIGHT	7±0.5kg
TOOL INTERFACE	Straight hole and Screw thread Ø15-M14×1.5

