



NSK AMERICA CORPORATION
Speed Matters.



factorylink.com

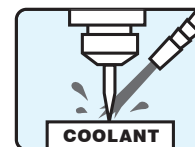
YOUR COMPANY
LOGO & CONTACT
HERE

SALES SUPPORT & SERVICE
(740) 392-0330

ULTRA-PRECISION HIGH-SPEED MILLING SPINDLE

HES Spindles

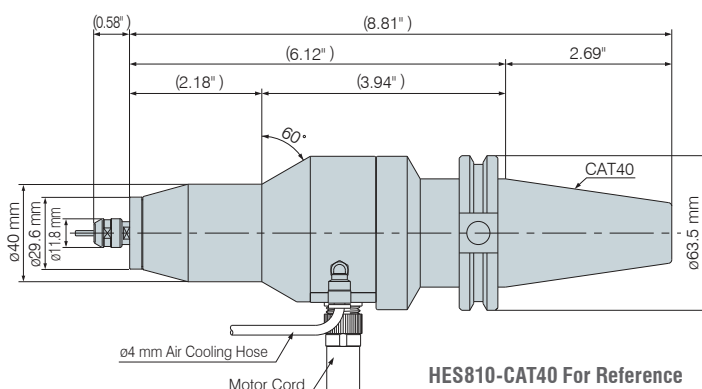
Electric System



HES Series can be used in conjunction with water or oil based coolants.

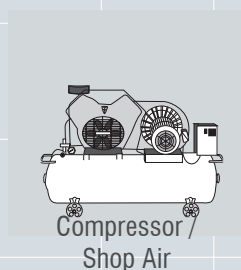
Product Highlights

- Brushless DC motor with cooling air and purge air allow long, continuous operation without heat buildup
- Ceramic Bearings allow for extreme high-precision cutting with maximized life expectancy
- Smooth Rotation and Low Vibration yields better surface finish
- One-Piece motor and spindle construction
- Emergency Connector standard on all HES Spindles

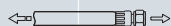


HES810-CAT40 For Reference

Quick and Easy Installation - can be done in 15 minutes or less



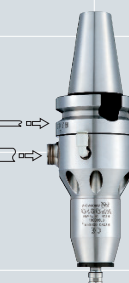
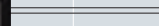
Compressor/
Shop Air



Air Line Kit AL-C1204
(Refer to Catalog
4p15 for Details)



Controller NE211
(Refer to Catalog
4p14 for Details)



HES510/
HES810

The HES Series motors and spindles require dry, clean, regulated air.

Available Connections

- BT, NT, CAT, IT, ST32, R8 and HSK A tapers are available.



Factory Machine Tool - Max. 10,000rpm



HES510 Spindle - Max. 50,000rpm



HES810 Spindle - Max. 80,000rpm



www.nskamericacorp.com



NSK AMERICA CORPORATION
Speed Matters.



factorylink.com

YOUR COMPANY
LOGO & CONTACT
HERE

SALES SUPPORT & SERVICE
(740) 392-0330

ULTRA-PRECISION HIGH-SPEED MILLING SPINDLE

HES Spindles

Electric System

- HES spindles allow you to modify your existing equipment for high speed micro machining
- HES Spindles give conventional milling machines and machining centers the capability to do higher-speed machining, small diameter drilling, small diameter milling, and engraving

HES510

5,000-50,000 rpm

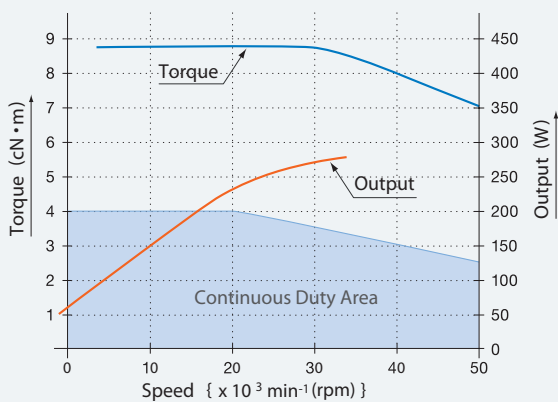
Max. Collet Size **6.35 mm**

Max. Output Power **340W**

Spindle Accuracy **less than 1 μ m**

Torque & Output Power

Characteristic of HES510



Purchasing Example - HES 510 (Based on CAT40 Spindle Pricing)

Description	Price
Spindle with CAT40 (with standard 1/8" collet)	3,402.00
Controller	2,199.00
13ft Motor Cord	412.00
Air Line Kit	380.00

Total 6,393.00

HES810

20,000-80,000 rpm

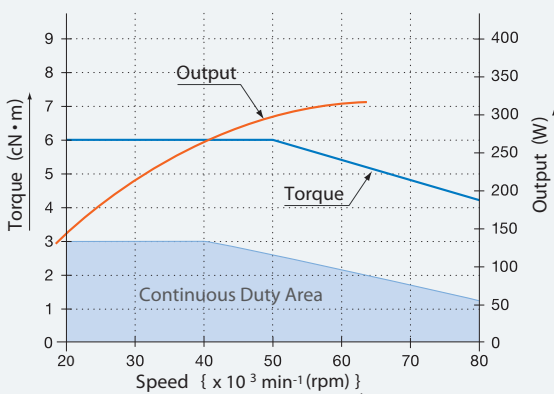
Max. Collet Size **4.0 mm**

Max. Output Power **350W**

Spindle Accuracy **less than 1 μ m**

Torque & Output Power

Characteristic of HES810



Purchasing Example - HES 810 (Based on CAT40 Spindle Pricing)

Description	Price
Spindle with CAT40 (with standard 1/8" collet)	5,863.00
Controller	2,199.00
13ft Motor Cord	412.00
Air Line Kit	380.00

Total 8,854.00

www.nskamericacorp.com