

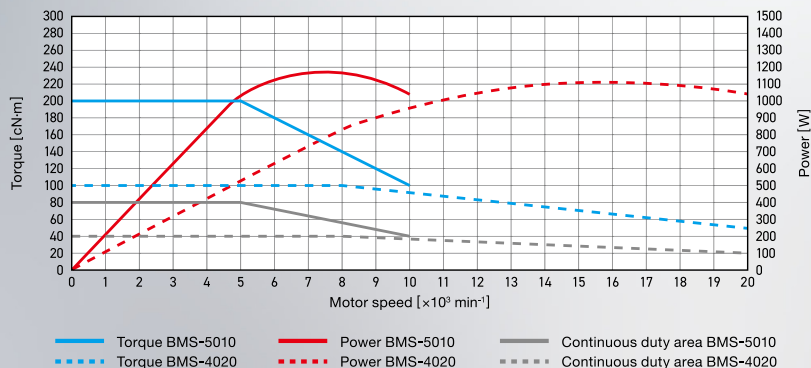


HIGH TORQUE NAKANISHI MOTOR SPINDLES: SUITABLE FOR MILLING, DRILLING, GRINDING, AND MORE!

Features 1

The highest torque in Nakanishi products

Twice the torque (up to 2 N·m) compared with the current BMS-4020



Features 2

Compact & lightweight

Compact body with outer diameter of 1.968" and weight of BMS-5010 is 5.3 lbs*.

*BMS-5010RA weighs 6.17 lbs

Features 3

Maximum tool shank: 0.512"

By using REGO-FIX ER20/ER20UP collets, tools with a shank diameter of 0.512" can be used. Collet is not included

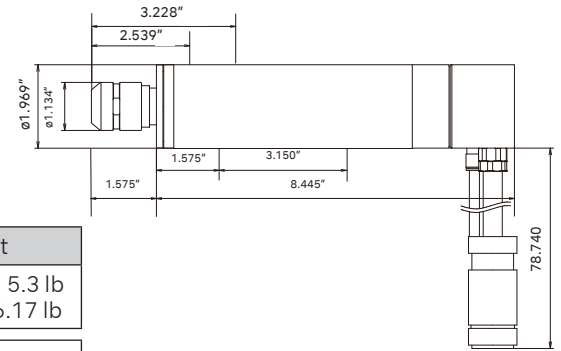
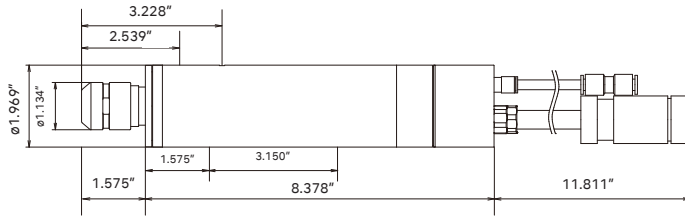
Specifications

Code No.: **7912**

Model: **BMS-5010**

Code No.: **7913**

Model: **BMS-5010RA**



O.D.	Max. motor speed	Spindle accuracy	Max. power	Net weight
1.969"	10,000 rpm	Within 1 μ m	1,200 W	BMS - 5010: 5.3 lb BMS-5010RA: 6.17 lb

Standard equipment and accessories Collet nut CHN-20: 1 pc., Wrench 0.866x1.063": 2pcs.

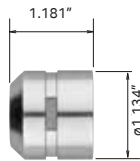
*Collet is not included. We recommend the use of ER20/ER20UP manufactured by REGO-FIX.

Option

[Collet nut]

Code No.: **7914**

Model: **CHN-20**



[Grip ring]

Code No.: **1889**

Model: **GR-50**

Net weight: 1.73 lbs



Mounted on BMS-5010

Processing data

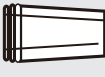
Drilling (No pecking, oil-based coolant VG 22)

Work Material	Tool Diameter (in)	Hole Depth (in)	L/D	Cutting Speed (SFM)	Motor Speed (rpm)	Feed Rate (in/rev)	Feed Speed (in/min)	Processing Time (sec)
A5052 Aluminum alloy	0.276	0.827	0.118	650	9,000	0.0051	47.24	1.1

End milling (Mist coolant)

Work Material	Tool Diameter (in)	Processing Method	Cutting Speed (SFM)	Motor Speed (rpm)	Feed Rate (in/rev)	Feed Speed (in/min)	Cutting Depth ap x ae (in)
A5052 Aluminum alloy	0.472	Side cutting	1063	8,600	0.0055	47.24	0.709 x 0.024

Combination example

Collet Nut	Collet	Motor Spindle	Motor Cord	Controller	Air Line Kit
 CHN-20	 [recommended] REGO-FIX ER20/ER20UP $\phi 0.0394 - \phi 0.512$ "	 BMS-5010 BMS-5010RA +  GR-50	Power cable 2 m/4 m 6 m/8 m EMCD-4000-2M/4M/6M/8M + Signal cable 2 m/4 m 6 m/8 m EMCD-4000S-2M/4M/6M/8M	 E4000 CONTROLLER	 AL-C1204 *Supply cooling air



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