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NAKANISHI

System Chart

E3000 Modular type Ø30 /Ø25 /Ø20 mm

Collet / Arbor kit + Spindle + Motor + Motor Cord + Controller

Grindstone flange EGF-19

60,000 min⁻¹
50,000 min⁻¹ (NR-453E)
40,000 min⁻¹ (NR-403E)

NR-3060S
60,000min⁻¹ short type
p.9

NR-453E /NR-403E
50,000min⁻¹/40,000min⁻¹
p.9

Usable only for NR-3060S, NR-453E/NR-403E

7,500 min⁻¹ at the cutting tool
ARG-011E
Reduction gear (1:4)
p.23

1,870 min⁻¹ at the cutting tool
ARG-021E
Reduction gear (1:16)
p.23

Collet nut K-265
Collet CHK Group
ø0.5 ~6.35 mm
Special arbor for metal saw KCH-03
Grinding arbor AGM-03

7,490 min⁻¹

RAS-151E
With long head
p.13

20,000 min⁻¹ (RAX-271E)
5,000 min⁻¹ (RAX-71E)

RAX-271E /RAX-71E
Standard angle head
p.11

1,000 ~60,000 min⁻¹
EM-3060
60,000min⁻¹ motor
p.27

1,000 ~30,000 min⁻¹
EM-3030T
30,000min⁻¹ motor
p.29

4M
6M
8M
EMCD-3000-
4M /6M /8M
Straight type motor cord
EMCD-3000A-
4M /6M /8M *
Angle type motor cord
p.27

* Mounting example of angle spindle

E3000
Selector
※ Can be connected when operating motors individually
*Not simultaneously
p.42

Collet CH8 Group
ø0.8 ~3.175 mm
Special arbor for metal saw KCH-02
Collet CHS Group
ø0.8 ~3.175 mm

7,490 min⁻¹

RA-151E
With short head
p.11

13,330 min⁻¹

RA-271E
With small head
p.13

1,000 ~30,000 min⁻¹
EM-3030T-J /EM-3030T-J-2M
30,000min⁻¹ motor
With joint type motor cord
p.29

1,000 ~60,000 min⁻¹
EM-3060J /EM-3060J-2M
60,000min⁻¹ motor
With joint type motor cord
p.27

3M
4M
6M
8M
EMCD-3000J-
3M /4M /6M /8M
Joint type motor cord
p.28

E3000
Controller
p.41

Collet CHR Group
ø2.0 ~6.35 mm

50,000 min⁻¹

NR50-5100 ATC
Automatic tool change spindle
p.15

Collet CHR RS Group
ø3.175 ~6.35 mm

50,000 min⁻¹

NR50-5100 ATC-RS
Automatic tool change spindle
p.15

AL-C1204
Air line kit
※ To supply clean and dry cooling and purging air to Controller and Motor/Spindle.
p.43

Collet CHB Group
ø2.0 ~4.0 mm

50,000 min⁻¹

NR40-5100 ATC
Automatic tool change spindle
p.17

60,000 min⁻¹

NRR-3060
Manual tool change spindle
p.17

15,000 min⁻¹ at the cutting tool
RG-3004M
Oil mist type reduction gear (1:4)
p.23

Usable only for NR-3060S, NR-453E/NR-403E

AL-A1205
Air line kit
(for NRAF-5080)
p.43

Collet nut CHN-A
Collet CHA Group
ø0.5 ~4.0 mm
Collet nut K-265
Collet CHK Group
ø0.5 ~6.35 mm

60,000 min⁻¹

NRR3060-QC
Lever quick change spindle
p.21

60,000 min⁻¹

NR3060-AQC
Air quick change spindle
p.19

AL-M1201BL
Air line kit
(for RG-3004M)
p.43

AL-A0611
Air line kit
(for NRAF-5080)
p.43

Collet nut CHN-A
Collet CHA Group
ø0.5 ~4.0 mm
Collet nut K-265
Collet CHK Group
ø0.5 ~6.35 mm
Collet,arbor kit
Refer to Accessories

80,000 min⁻¹

NR-3080S
80,000min⁻¹
p.25

80,000 min⁻¹

NRAF-5080
Air bearing spindle
p.25

20,000 ~80,000 min⁻¹
EM-3080J /EM-3080J-2M
Brushless motor
With joint type motor cord
p.29

3M
4M
6M
8M
EMCD-3000J-
3M /4M /6M /8M
Joint type motor cord
p.28

Air compressor