



Motors & Spindles, Micro-grinders

Ultra-Precision Electrically / Pneumatically Driven

Precision & Reliability

NSK America

NAKANISHI
E4000 CONTROL UNIT

AMERICAN ROTARY TOOLS CO. (ARTCO TOOLS)
250 WEST DUARTE ROAD, #E
MONROVIA, CA USA 91016-7464

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2010/11

Edition

ULTRA-PRECISION BRUSHLESS MICRO-GRINDER

“ESPERT 500”

- Evolutionary New Design High-Performance Brushless Micro Grinder.

Ultra-Precision Micro-Grinder

The Esper 500 brushless motor takes motor technology to an even higher level. The new state of the art motor has dramatically increased efficiency and torque output. The microprocessor based control unit provides optimal control of the motors and allows for increased flexibility in this multi-function system.

Speed : 1,000~50,000 min⁻¹ (rpm)

Speed is steplessly variable from 1,000~50,000 min⁻¹ (rpm). Smooth and powerful torque is delivered at both high and low speeds. The extremely high maximum speed of 50,000 min⁻¹ (rpm) allows high precision micro-machining.

Low Noise, Low Vibration

The brushless motor and incorporated cooling fan have reduced the vibration and noise levels, resulting in a quieter, more comfortable work environment.

Dramatically compared with conventional grinders.

2 Types of Motors

Very high torque from compact motors.

NAKANISHI Smart Switch Color

- Compact Type (ENK-500C) 140W Blue
- Torque Type (ENK-500T) 200W Gray

NAKANISHI Smart Switch

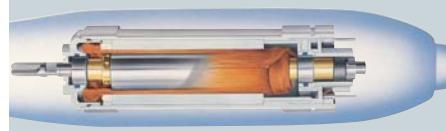
The switch provides a click sensation and a confirmation tone is produced by the control unit when the switch is operated. The motor type is distinguishable by the switch color.

NAKANISHI Smart Switch



Excellent Durability

High performance brushless motor eliminates the need to change carbon brushes. NAKANISHI's internal load test has proven continuous use for more than 5,000 hours.*1

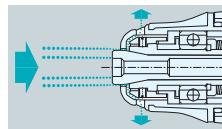


High Precision

NAKANISHI's ultra-precision technology ensures bur concentricity of 0.02 mm (0.0008") or less, which allows for very high precision finishing.

Special Dust-Proof Mechanism

The handpiece has a patented built-in-dust protection system to prevent the infiltration of dust and debris into the front bearings. This NAKANISHI patented design assures long-term durability.



10 Types of Attachments Available

All of the Esper 500 system attachments are available for use with this system. 9 different types of attachments and 1 speed reducer making an almost infinite number of applications possible.

Wide Range of Collet Available

Collet sizes range from a tiny 0.3 mm up, with a wide variety of sizes available. Tools can be changed without the use of any wrenches.

Micro Grinder & Handpiece Stand

This specially designed micromotor stand allows easy pick-up and set-down of the micro-grinder. Strong, but soft to the touch, the micro-grinder stand contains convenient, integrated storage compartments for adjustment wrenches and a spare chuck.



Simple Screw on Attachments



New Advanced Design Control Unit

Optimal Control via Microcomputer

The operation of all Espert 500 functions is controlled by a high performance microcomputer (CPU) that is programmed with NAKANISHI's proprietary technology. NAKANISHI's CPU has direct control of the brushless micro-grinder allowing smooth and highly precise cutting and polishing of a wide variety of materials. Bur "chatter" has been eliminated. The system automatically senses which micromotor is attached (ENK-500C or ENK-500T) and self adjusts to provide optimum micro-grinder performance.

Eco-Friendly Design

The electronic circuits are designed using NAKANISHI's proprietary technology to meet eco-friendly expectations by minimizing power consumption. Since power demands are minimal, no significant heat is generated and no cooling fan is required.

Auto Cruise Function

The control unit is equipped with an auto cruise function that operates the micro-grinder at a preset speed without the need to use the foot pedal. This function eliminates foot fatigue during prolonged operation.

Memory Speed Function FiXpeed®

An exclusive new feature of the Espert 500 system, the FiXpeed® system allows the user to independently preset the speed of motor A and motor B. For example motor A can be set to maintain the speed set by the FiXpeed® system while motor B has variable control using a foot pedal. This function allows for unprecedented flexibility.

Simplified Hand and Foot Pedal Control

You no longer need to push a switch on the control unit to switch between hand and foot pedal control. If you want to operate the motor handpiece by hand simply push the NAKANISHI Smart Switch, if you want to use foot pedal control simply depress the foot pedal.

Compliance with EMC and other Safety Standards

NAKANISHI has given considerable thought to 'behind the scenes' performance. The Espert 500 system complies with the world's most rigorous EMC* standards. In electromagnetic terms, it has been designed to be very safe so as to curb the generation of electromagnetic interference (noise), which may cause failure or malfunctions in other equipment. The Espert 500 system will not be affected by external electromagnetic interference. The Espert 500 system also complies with the strict European safety standard EN61010-1. Operator safety is always NAKANISHI's highest priority.
*EMC (Electromagnetic Compatibility)

A/B 2 Motors Can Be Connected

High Quality Metallic Silver Body

Other Features

- Self Check Function (Maintenance Mode)
- Operation Check Sound
- Highly Visible and easy to operate front panel
- 2-Digit Digital Display • Error Code Display Function

*1 NAKANISHI's internal endurance tests



ESPERT 500 Control Unit

CAT. No.	Model	Specifications	Price
ES9087	NE96	<ul style="list-style-type: none"> • Power Source : AC120V, 50-60Hz • Dimensions : W6.77" x D9.06" x H3.70" • Weight : 5 lb. 11.71 oz. • Accessories : Handpiece Stand : 1 pc. Handpiece Holder : 1 pc. 	820.00

“ESPERT 500” STANDARD SET

AMERICAN ROTARY TOOLS CO.

Toll Free USA Tel: (800) 624-2212

1

EmaxEVO
ESPERT
ROTUS
ECOMO
IMPULSE
PRESTO II
SHEENUS neo
SONIC CUTTER

2

iSpeed
E2530
E2550
E3000
E3200
E4000

3

MA SERIES
ø0.897"
ø1.0"
ø0.98"
ø1.18"
MS SERIES
ø0.75"
ø0.79"
ø0.87"
ø0.91"
ø1.0"
ø0.98"
ø1.18"
HIGH SPEED
AMX

4

HES
HTS
HPS
SMS
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Espert 500 Standard Set (Ring Type)



- High Power System. Max. Output 140W
- Speed Range : 1,000~50,000 min⁻¹(rpm)
- Microprocessor controlled for optimal motor control
- Hand Switch [NAKANISHI Smart Switch]
- Memory Speed Function [FiXpeed®]

CAT. No.	ES9085	Model ES50C-HR	Price 1,483.00
	Attachment EHR-500	Motor ENK-500C	Unit NE96
Standard Accessories	Control Unit (NE96) : 1 pc. Compact Motor Handpiece (ENK50C-HR) : 1 pc. Collet ø1/8" (CHH-3.175), ø2.35 mm (CHH-2.35) : 1 pc. each Handpiece Holder : 1 pc. Handpiece Stand : 1 pc. Wrench (7 x 5.1) : 1 pc. Pin Wrench : 1 pc. L-Wrench (9) : 1 pc.		

Espert 500 Compact Motor Handpiece

Speed Range	1,000~50,000 min ⁻¹ (rpm)
Max. Output	140W
Weight	7.41 oz. excluding cord



CAT. No.	ES9091	Model ENK50C-HR	Price 983.00
	Attachment EHR-500	Motor ENK-500C	
Standard Accessories	Collet ø1/8" (CHH-3.175), ø2.35 mm (CHH-2.35) : 1 pc. each Wrench (7 x 5.1) : 1 pc. Pin Wrench : 1 pc. L-Wrench (9) : 1 pc.		

Espert 500 Torque Set (Ring Type)



- Highest Power in its Class. Max. Output 200W
- Speed Range : 1,000~50,000 min⁻¹(rpm)
- Microprocessor controlled for optimal motor control
- Hand Switch [NAKANISHI Smart Switch]
- Memory Speed Function [FiXpeed®]

CAT. No.	ES9086	Model ES50T-HR	Price 1,590.00
	Attachment EHR-500	Motor ENK-500T	Unit NE96
Standard Accessories	Control Unit (NE96) : 1 pc. Compact Motor Handpiece (ENK50T-HR) : 1 pc. Collet ø1/8" (CHH-3.175), ø2.35 mm (CHH-2.35) : 1 pc. each Handpiece Holder : 1 pc. Handpiece Stand : 1 pc. Wrench (7 x 5.1) : 1 pc. Pin Wrench : 1 pc. L-Wrench (9) : 1 pc.		

Espert 500 Torque Motor Handpiece

Speed Range	1,000~50,000 min ⁻¹ (rpm)
Max. Output	200W
Weight	8.82 oz. excluding cord



CAT. No.	ES9092	Model ENK50T-HR	Price 1,092.00
	Attachment EHR-500	Motor ENK-500T	
Standard Accessories	Collet ø1/8" (CHH-3.175), ø2.35 mm (CHH-2.35) : 1 pc. each Wrench (7 x 5.1) : 1 pc. Pin Wrench : 1 pc. L-Wrench (9) : 1 pc.		

"ESPERT 500" SYSTEM CHART

1

EmaxEVO

ESPERT

ROTUS

ECCOMO

IMPULSE

PRESTO II

SHEENUS neo

SONIC CUTTER

2

iSpeed

E2530

E2550

E3000

E3200

E4000

3

MA SERIES

e0.897"

e1.0"

e0.98"

e1.18"

MS SERIES

e0.75"

e0.79"

e0.87"

e0.91"

e1.0"

e0.98"

e1.18"

HIGH SPEED

AMX

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HES

HTS

HPS

SMS

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System Chart

CAT. No.	Model	Price
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Attachment



Ring Type

ES9090 | EHR-500 | 383.00

50,000 min⁻¹(rpm) Max. (≈1)
40,000 min⁻¹(rpm) Max. (≈2)



90° Angle Torque Type
ES41551 | ERA-270 | 383.00

40,000 min⁻¹(rpm) Max. (≈1)
20,000 min⁻¹(rpm) Max. (≈2)



Lever Type

ES11515 | EHL-401 | 383.00

50,000 min⁻¹(rpm) Max. (≈1)
40,000 min⁻¹(rpm) Max. (≈2)



Torque Type

ES41552 | EHG-400 | 350.00

40,000 min⁻¹(rpm) Max. (≈1)
30,000 min⁻¹(rpm) Max. (≈2)



LUSTER (Reciprocating motion)

ES11516 | ELS-100 | 821.00

30,000 min⁻¹(rpm) Max. (≈1)



90° Angle Type

ES81525 | EIC-300 | 236.00

40,000 min⁻¹(rpm) Max. (≈1)
20,000 min⁻¹(rpm) Max. (≈2)



MINI-LUSTER (Reciprocating motion)

ES51554 | EML-8 | 542.00

30,000 min⁻¹(rpm) Max. (≈1)



45° Angle Type

ES81526 | EKC-300 | 246.00

40,000 min⁻¹(rpm) Max. (≈1)
20,000 min⁻¹(rpm) Max. (≈2)



FINE BELT SANDER

KBS61557 | EBS-101 | 546.00

40,000 min⁻¹(rpm) Max. (≈1)
30,000 min⁻¹(rpm) Max. (≈2)

- Use ECN-011 or ERG-01 for ELECTER Emax EVolution, ROTUS attachments



Extension Adaptor

ES11518 | ECN-011 | 68.00



Speed Reducer (1/4)

ES11517 | ERG-01 | 122.00

Speed Reducer



• 1/4 Speed Reducer

ES41553 | ERG-01B | 122.00

40,000 min⁻¹(rpm) Max. (≈1)
30,000 min⁻¹(rpm) Max. (≈2)

May be connected between the motor and the spindle as required for increased torque.

Motor



• Compact Motor and Cord
1,000~50,000 min⁻¹(rpm)

ES9088 | ENK-500C | 600.00



• Torque Motor and Cord
1,000~50,000 min⁻¹(rpm)

ES9089 | ENK-500T | 764.00

Control Unit



• Esperf 500

ES9087 | NE96 | 820.00

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*Maximum Allowable Speed, continuous use may change depending on the material being cut and other application variables.

*1 : Maximum Allowable Speed, intermittent use.

*2 : Maximum Allowable Speed, continuous use.

*Order by catalog number. 1-p23

“ESPERT 500” MOTORS & ATTACHMENTS

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1

EmaxEVO

ESPERT

ROTUS

ECONOMO

IMPULSE

PRESTO II

SHEENUS

neo

SONIC

CUTTER

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iSpeed

E2530

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MA SERIES

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HIGH SPEED

AMX

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CAT. No.

ES9088 COMPACT TYPE MOTOR ENK-500C



1,000~50,000 min⁻¹(rpm)

- Small, lightweight, high-speed brushless DC motor.
- Incorporates the NAKANISHI Smart Switch for easy on/off operation.
- Very low vibration noise and maintenance.
- Weight : 4.06 oz. excluding cord

Compact Type Motor

CAT. No.	Model	Specifications	Price
ES9088	ENK-500C	• Output Power : 140W • Maximum Torque : 6.0 cN·m • Cord Length : 4.5 ft	600.00

CAT. No.

ES9089 TORQUE TYPE MOTOR ENK-500T



1,000~50,000 min⁻¹(rpm)

- High-power, high-torque, high-speed brushless DC motor.
- Incorporates the NAKANISHI Smart Switch for easy on/off operation.
- Very low vibration noise and maintenance.
- Weight : 5.64 oz. excluding cord

Torque Type Motor

CAT. No.	Model	Specifications	Price
ES9089	ENK-500T	• Output Power : 200W • Maximum Torque : 8.7 cN·m • Cord Length : 4.5 ft	764.00

CAT. No.

ES9090 RING TYPE ATTACHMENT EHR-500



- Manufactured with micron level precision for high accuracy and high reliability.
- Slim, lightweight design allows for fine finishing of delicate parts.
- Ring Type one touch bur release.

- Collet
 - Standard Size : ø1/8" (CHH-3.175), ø2.35 mm (CHH-2.35) : 1 pc. each
 - Optional Collets : CHH-[] are shown in page (6-p2)
- Weight : 3.32 oz.

50,000 min⁻¹(rpm) Max. (*1) 40,000 min⁻¹(rpm) Max. (*2)

Ring Type Attachment

CAT. No.	Model	Standard Accessories	Price
ES9090	EHR-500	• Collet ø1/8" (CHH-3.175), ø2.35 mm (CHH-2.35) : 1 pc. each • Wrench (7 x 5.1) : 1 pc. • Pin Wrench : 1 pc. • L Wrench (9) : 1 pc.	383.00

CAT. No.

ES11515 LEVER TYPE ATTACHMENT EHL-401



- To attain more powerful grinding and fine polishing finish, attachment EHL-401 is designed to make it lightweight and fit to pen-grip type holding.
- Simple lever turning for bur exchange.
- Same chuck as used in EHR-500.

- Collet
 - Standard Size : ø1/8" (CHH-3.175), ø2.35 mm (CHH-2.35) : 1 pc. each
 - Optional Collets : CHH-[] are shown in page (6-p2)
- Weight : 2.47 oz.

50,000 min⁻¹(rpm) Max. (*1) 40,000 min⁻¹(rpm) Max. (*2)

Lever Type Attachment

CAT. No.	Model	Standard Accessories	Price
ES11515	EHL-401	• Collet ø1/8" (CHH-3.175), ø2.35 mm (CHH-2.35) : 1 pc. each • Wrench (7 x 5.1) : 1 pc.	383.00

"ESPERT 500" ATTACHMENTS

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CAT. No. ES41552 TORQUE TYPE ATTACHMENT EHG-400



- Torque type attachment used with ø1/4" chuck diameter as standard and nicely fits in hand-grip.

- Collet
Standard Size : ø1/4" (CHG-6.35) : 1 pc.
Optional Collets : CHG-[] are shown in page (6-p2)
- Weight : 3.88 oz.
40,000 min¹(rpm) Max. (*1) 30,000 min¹(rpm) Max. (*2)
*Please use it together with Speed Reducer.

Torque Type Attachment

CAT. No.	Model	Standard Accessories	Price
ES41552	EHG-400	• Collet ø1/4" (CHG-6.35) : 1 pc. • Wrench (10 x 10) : 1 pc. • Bar Wrench (K-212) : 1 pc.	350.00

CAT. No. ES81525 90°ANGLE ATTACHMENT EIC-300



* Refer to 1-p10-p11 about the detail of Accessories.

- 90°Angle Attachment with ø1/8" Collet is conveniently small and equally suitable for polishing flat surfaces with rubber pad paper disk, corner work, and grinding the inside of a pipes.

- Speed Reduction Ratio : 3/4
- Collet
Standard Size : ø1/8" (CHC-3.175) : 1 pc.
Optional Collets : CHC-[] are shown in page (6-p2)
- Standard Accessories : Rubber Pad, Paper Disk • Weight : 1.90 oz.
40,000 min¹(rpm) Max. (*1) 20,000 min¹(rpm) Max. (*2)

90° Angle Attachment

CAT. No.	Model	Standard Accessories	Price
ES81525	EIC-300	• Collet ø1/8" (CHC-3.175) : 1 pc. • Chuck Wrench (K-231) : 1 pc. • Wrench (20 x 24) : 1 pc. • Standard Accessories : 1 set	236.00

CAT. No. ES81526 45°ANGLE ATTACHMENT EKC-300



* Refer to 1-p10-p11 about the detail of Accessories.

- 45°Angle Attachment is suitable for working in corners, cavities, etc.

- Reverse rotation against the motor
- Speed Reduction Ratio : 3/4
- Collet
Standard Size : ø1/8" (CHC-3.175) : 1 pc.
Optional Collets : CHC-[] are shown in page (6-p2)
- Standard Accessories : Rubber Pad, Paper Disk
- Weight : 1.90 oz.
40,000 min¹(rpm) Max. (*1) 20,000 min¹(rpm) Max. (*2)

45° Angle Attachment

CAT. No.	Model	Standard Accessories	Price
ES81526	EKC-300	• Collet ø1/8" (CHC-3.175) : 1 pc. • Chuck Wrench (K-231) : 1 pc. • Wrench (20 x 24) : 1 pc. • Standard Accessories : 1 set	246.00

CAT. No. ES41551 90°ANGLE TORQUE ATTACHMENT ERA-270



* Refer to 1-p10-p11 about the detail of Accessories.

- 90°Angle type is suitable for the work of corner and the grinding of the inside of pipe.

- Speed Reduction Ratio : 1/1.5
- Collet
Standard Size : ø1/8" (CHS-3.175) : 1 pc.
Optional Collets : CHS-[] are shown in page (6-p4)
- Weight : 3.77 oz.
40,000 min¹(rpm) Max. (*1) 20,000 min¹(rpm) Max. (*2)

90° Angle Torque Attachment

CAT. No.	Model	Standard Accessories	Price
ES41551	ERA-270	• Collet ø1/8" (CHS-3.175) : 1 pc. • Wrench (8 x 5), (7 x 5.1), (20 x 24) : 1 pc. each	383.00

*Maximum Allowable Speed, continuous use may change depending on the material being cut and other application variables.

*1 : Maximum Allowable Speed, intermittent use.

*2 : Maximum Allowable Speed, continuous use.

*Order by catalog number. 1-p25

1

EmaxEVO

ESPERT

ROTUS

ECOMO

IMPULSE

PRESTO II

SHEENUS neo

SONIC CUTTER

2

iSpeed

E2530

E2550

E3000

E3200

E4000

3

MA SERIES

ø0.897"

ø1.0"

ø0.98"

ø1.18"

MS SERIES

ø0.75"

ø0.79"

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ø1.0"

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HIGH SPEED

AMX

4

HES

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SHEENUS neo

SONIC CUTTER

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CAT. No.

Reciprocating Motion Polishing Finisher LUSTER ATTACHMENT ELS-100



- Reciprocating Stroke (variable) : 0~7,600 times/min (Max.)
 - Perfect for final finishing such as lapping and honing after grinding. Streamlines conventional hand-finishing of metal molds.
 - Reciprocating type compact special polisher for ESPERT motor.
 - Stroke is adjustable from 0~6 mm.
 - Max. tool shank diameter ø0.25", Screw clamp type.
 - Weight : 1 lb. 7.99 oz.
- 30,000 min⁻¹(rpm) Max. (※1)

Reciprocating Motion Polishing Finisher LUSTER Attachment

CAT. No.	Model	Standard Accessories	Price
ES11516	ELS-100	<ul style="list-style-type: none"> • Standard Accessories • Allen Wrench (2 mm) : 1 pc. • Lubrication Oil • Lubrication Nozzle for LUSTER 	821.00

CAT. No.

Pencil-Type Reciprocating Polishing Finisher MINI-LUSTER ATTACHMENT EML-8



- Reciprocating Stroke (variable) : 0~10,000 times/min (Max.)
 - Stroke Range : 0.8 mm
 - Max. tool shank diameter ø0.13", Screw clamp type.
 - Weight : 4.59 oz.
- 30,000 min⁻¹(rpm) Max. (※2)

Pencil-Type Reciprocating Polishing Finisher MINI-LUSTER Attachment

CAT. No.	Model	Stroke Range	Standard Accessories	Price
ES51554	EML-8	0.8 mm	<ul style="list-style-type: none"> • Standard Accessories : 1 set • Allen Wrench (1.5 mm) : 1 pc. 	542.00

CAT. No.

FINE BELT SANDER ATTACHMENT EBS-101



- The angle of belt section is steplessly adjustable.

- Width of Belt : 8 mm, 6 mm, 4 mm.
- Belt Speed : 0~2,820 ft/min (Max.)
- Weight : 12.52 oz.

40,000 min⁻¹(rpm) Max. (※1) 30,000 min⁻¹(rpm) Max. (※2)

* Refer to 1-p17 about the detail of Belt.

FINE BELT SANDER Attachment

CAT. No.	Model	Standard Accessories	Price
KBS61557	EBS-101	<ul style="list-style-type: none"> • 8 mm Belt (3 different kinds) : 2 pcs. each • 6 mm Belt (3 different kinds) : 2 pcs. each • 4 mm Belt (3 different kinds) : 2 pcs. each • Allen Wrench (3 mm) : 1 pc. 	546.00

AMERICAN ROTARY TOOLS CO.

Toll Free USA Tel: (800) 624-2212

"ESPERT 500" SPEED REDUCER & PARTS

CAT.
No. ES41553

SPEED REDUCER (1/4) ERG-01B



- 1/4 Speed Reducer ERG-01B provides 4 times greater torque by mounting it in between the motor and the attachment.
- Weight : 2.29 oz.
- 40,000 min⁻¹(rpm) Max. (*1)
30,000 min⁻¹(rpm) Max. (*2)

Speed Reducer (1/4)

CAT. No.	Model	Speed Reduction Ratio	Price
ES41553	ERG-01B	• Speed Reduction Ratio 1/4	122.00

CAT.
No. ES11517

SPEED REDUCER (1/4) ERG-01



- The Speed Reducer can be used with the attachments for Emax EVOlution and ROTUS you already have.
- Reduces the speed 1/4 and multiplies the torque by 4 times.
- Weight : 2.19 oz.
- 40,000 min⁻¹(rpm) Max. (*1)
30,000 min⁻¹(rpm) Max. (*2)

Speed Reducer (1/4)

CAT. No.	Model	Speed Reduction Ratio	Price
ES11517	ERG-01	• Speed Reduction Ratio 1/4	122.00

CAT.
No. ES11518

EXTENSION ADAPTOR ECN-011



- The Adaptor can be used with the attachments for Emax EVOlution and ROTUS you already have.
- Weight : 1.09 oz.
- 40,000 min⁻¹(rpm) Max. (*1)
30,000 min⁻¹(rpm) Max. (*2)

Extension Adaptor

CAT. No.	Model	Speed Ratio	Price
ES11518	ECN-011	• Speed Ratio 1 : 1	68.00

ESPERT 500 Spare Parts

Product	Description	CAT. No.	Model	Specifications	Price
	Foot Pedal	EG11404	FC-40	• Variable Speed Control Foot Pedal	70.00
	Espert 500 Handpiece Stand	8104	Z095209		21.00
	Espert 500 Compact Motor Cord	ES9093	ENKCD-50C	• Compact Motor Cord • 4.5 ft Long	103.00
	Espert 500 Torque Motor Cord	ES9094	ENKCD-50T	• Torque Motor Cord • 4.5 ft Long	103.00

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Toll Free USA Tel: (800) 624-2212 Fax: (800) 624-2210
Email: info@artcotools.com

1

EmaxEVO

ESPERT

ROTUS

ECCOMO

IMPULSE

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E2530

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E3000

E3200

E4000

3

MA SERIES

ø0.897"

ø1.0"

ø0.98"

ø1.18"

MS SERIES

ø0.75"

ø0.79"

ø0.87"

ø0.91"

ø1.0"

ø0.98"

ø1.18"

HIGH SPEED

AMX

4

HES

HTS

HPS

SMS

PL

5

AIR LINE KIT

6

PARTS

7

TECHNICAL DATA

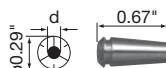
8

APPLICATION EXAMPLES

INDEX

< PARTS > COLLET

CHA Group



Fit to : K-263
: CHN-A

Fit to

AMS-1200 · AMS-1210 · AMS-1500 · AMS-1501 · AMS-250 · ABS-800
BM-319 · BM-320 BM-320F · BM-322 · BM-322FL · BM-322FR · BM-325
MS-19 · MS-20 · MS-22 · MSS-19 · MSS-20 · MSS-22 · NR-3080S · NRA-5080 · NR-320
PS20-70/120 · PS20S-70 · PSA23-80/130 · PSA23S-80 · PMS-3020A · BANTAM 250
PLANET 850 · PLANET 1500 · PLANET 2000 · SMS · HTS · EM20-S6000 · EM25-S6000
EMS-3060A · HES810 · HPS500

CAT. No.	Model	Inside Diameter d	Price
91405	CHA-0.5	ø0.5	
91406	CHA-0.6	ø0.6	
91407	CHA-0.7	ø0.7	
RA11805	CHA-0.8	ø0.8	216.00
RA11804	CHA-0.9	ø0.9	
RA11806	CHA-1.0	ø1.0	76.00
RA11807	CHA-1.1	ø1.1	
RA11808	CHA-1.2	ø1.2	
RA11803	CHA-1.3	ø1.3	97.00
RA11815	CHA-1.4	ø1.4	
RA11814	CHA-1.5	ø1.5	76.00
RA11809	CHA-1.6	ø1.6	65.00
91417	CHA-1.7	ø1.7	
RA11810	CHA-1.8	ø1.8	97.00
RA11822	CHA-1.9	ø1.9	
RA11811	CHA-2.0	ø2.0	76.00
RA11831	CHA-2.1	ø2.1	
91422	CHA-2.2	ø2.2	97.00
91423	CHA-2.3	ø2.3	
RA11812	CHA-2.35	ø2.35	65.00
RA11824	CHA-2.4	ø2.4	97.00
RA11821	CHA-2.5	ø2.5	76.00
RA11826	CHA-2.6	ø2.6	
91427	CHA-2.7	ø2.7	
RA11828	CHA-2.8	ø2.8	97.00
RA11829	CHA-2.9	ø2.9	
RA11813	CHA-3.0	ø3.0	65.00
RA11830	CHA-3.1	ø3.1	97.00
RA11818	CHA-3.175	ø1/8"	65.00
91432	CHA-3.2	ø3.2	
91433	CHA-3.3	ø3.3	97.00
91434	CHA-3.4	ø3.4	
RA11823	CHA-3.5	ø3.5	76.00
91436	CHA-3.6	ø3.6	
91437	CHA-3.7	ø3.7	
91438	CHA-3.8	ø3.8	97.00
91439	CHA-3.9	ø3.9	
RA11819	CHA-4.0	ø4.0	65.00

CHB Group

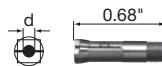


Fit to

NRR-2651 · NRR-3060 · NR40-5100 ATC

CAT. No.	Model	Inside Diameter d	Price
92820	CHB-2.0	ø2.0	
92830	CHB-3.0	ø3.0	
92893	CHB-3.175	ø1/8"	81.00
92840	CHB-4.0	ø4.0	

CHC Group



Fit to

IC-300 · KC-300 · EIC-300 · EKC-300 · IC-E · KC-E

CAT. No.	Model	Inside Diameter d	Price
90416	CHC-1.6	ø1.6	71.00
90492	CHC-2.35	ø2.35	
90430	CHC-3.0	ø3.0	54.00
90493	CHC-3.175	ø1/8"	

CHF Group



Fit to

NR-3080

CAT. No.	Model	Inside Diameter d	Price
91730	CHF-3.0	ø3.0	
91793	CHF-3.175	ø1/8"	76.00

CHG Group



Fit to

HG-200 · NR-301 · EHG-400

Fit to

NR-301

CAT. No.	Model	Inside Diameter d	Price
RA11777	CHG-1.0	ø1.0	
RA11778	CHG-1.5	ø1.5	76.00
RA11766	CHG-1.6	ø1.6	71.00
RA11780	CHG-2.0	ø2.0	76.00
RA11771	CHG-2.35	ø2.35	65.00
RA11781	CHG-2.5	ø2.5	76.00
RA11772	CHG-3.0	ø3.0	
RA11452	CHG-3.175	ø1/8"	65.00
RA11697	CHG-4.0	ø4.0	71.00
RA11698	CHG-4.76	ø4.76	76.00
RA11709	CHG-5.0	ø5.0	
RA11773	CHG-6.0	ø6.0	65.00
RA11714	CHG-6.35	ø1/4"	

CHH Group



Fit to

IH-300 · IR-310 · EHL-401 · EHR-401 · EHR-500 · VH-E

CAT. No.	Model	Inside Diameter d	Price
RE11729	CHH-1.0	ø1.0	
90615	CHH-1.5	ø1.5	
RE11659	CHH-1.6	ø1.6	
RE11734	CHH-2.0	ø2.0	
RE11625	CHH-2.35	ø2.35	54.00
90625	CHH-2.5	ø2.5	65.00
RE11739	CHH-3.0	ø3.0	
RE11630	CHH-3.175	ø1/8"	54.00

CHK Group



Fit to : K-265
: CHN-B

Fit to _____
NR-302 · ENR-302

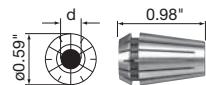
Fit to _____
ABS-70P · ABS-400 · AMX-50 · AMX-65 (1/1 Ratio) · AMX-80 (1/1 Ratio) · EM30-S6000
EMA-3020K · EMS-3041 · EMS-3045 · EMS-3052 · EMS-3056 · EMS-3046-J4 · EMS-3057-J4
EMS-6040 · EMS-6040K · EMS-3060K · EMR-3008K · MS-23 · MSS-25 · MSSH-25 · MST-23
MSST-23 · NR-2351 · NR-2532 · NR-H2532 · NR-2551 · NR-H2551 · NR-303 · NR-303P
NR-311 · NR-3060S · NR-403E · NR-453E · NRAF-5080 · NRL-300 · NRL-300E · PMA-3013K
PMR-3005K · PMS-3020K · PS23-80/130 · PS23S-80 · PSA25-90/140 · PSA25S-90 · PSA30-100/160
PSA30S-100 · PSA35-120/180 · PSA35S-120 · RAS-101 · RAS-151E · RAX-271E · RAX-71E
RAS-2511 · RAS-H2511 · FG-01S · PLANET 400 · HES510 · HPS250

*High precision type

CAT. No.	Model	Inside Diameter d	Price
PL42665	CHK-0.5	ø0.5	
91506	CHK-0.6	ø0.6	
PL42667	CHK-0.7	ø0.7	271.00
PL42668	CHK-0.8	ø0.8	
PL42692	CHK-0.9	ø0.9	
PL42691	CHK-1.0	ø1.0	92.00
PL42699	CHK-1.1	ø1.1	
PL42682	CHK-1.2	ø1.2	114.00
PL42693	CHK-1.3	ø1.3	
PL42700	CHK-1.4	ø1.4	
PL42695	CHK-1.5	ø1.5	
PL42696	CHK-1.6	ø1.6	92.00
PL42709	CHK-1.7	ø1.7	
PL42698	CHK-1.8	ø1.8	114.00
91519	CHK-1.9	ø1.9	
PL42672	CHK-2.0	ø2.0	92.00
PL42681	CHK-2.1	ø2.1	
PL42662	CHK-2.2	ø2.2	114.00
91523	CHK-2.3	ø2.3	
PL42690	CHK-2.35	ø2.35	81.00
PL42710	CHK-2.4	ø2.4	114.00
PL42663	CHK-2.5	ø2.5	92.00
PL42712	CHK-2.6	ø2.6	
PL42617	CHK-2.7	ø2.7	114.00
PL42694	CHK-2.8	ø2.8	
PL42689	CHK-2.9	ø2.9	
PL42669	CHK-3.0	ø3.0	81.00
91597	CHK-3.0AA*	ø3.0	119.00
PL42670	CHK-3.1	ø3.1	114.00
PL42685	CHK-3.175	ø1/8"	81.00
91598	CHK-3.175AA*	ø1/8"	119.00
91532	CHK-3.2	ø3.2	
PL42705	CHK-3.3	ø3.3	114.00
PL42701	CHK-3.4	ø3.4	
PL42707	CHK-3.5	ø3.5	92.00
PL42706	CHK-3.6	ø3.6	
91537	CHK-3.7	ø3.7	114.00
PL42702	CHK-3.8	ø3.8	
91539	CHK-3.9	ø3.9	
PL42678	CHK-4.0	ø4.0	92.00
91599	CHK-4.0AA*	ø4.0	119.00
PL42711	CHK-4.1	ø4.1	
91542	CHK-4.2	ø4.2	114.00
PL42671	CHK-4.3	ø4.3	
PL42673	CHK-4.4	ø4.4	
PL42687	CHK-4.5	ø4.5	92.00
91546	CHK-4.6	ø4.6	114.00
PL42674	CHK-4.7	ø4.7	
PL42680	CHK-4.76	ø4.76	92.00
91548	CHK-4.8	ø4.8	114.00
91549	CHK-4.9	ø4.9	
PL42676	CHK-5.0	ø5.0	92.00
PL42677	CHK-5.1	ø5.1	
PL42708	CHK-5.2	ø5.2	114.00
91553	CHK-5.3	ø5.3	
PL42703	CHK-5.4	ø5.4	
PL42704	CHK-5.5	ø5.5	92.00
PL42679	CHK-5.6	ø5.6	
91557	CHK-5.7	ø5.7	114.00
91558	CHK-5.8	ø5.8	

CAT. No.	Model	Inside Diameter d	Price
PL42697	CHK-5.9	ø5.9	114.00
PL42686	CHK-6.0	ø6.0	81.00
91600	CHK-6.0AA*	ø6.0	119.00
PL42675	CHK-6.35	ø1/4"	81.00
91601	CHK-6.35AA*	ø1/4"	119.00

CHL Group



Fit to : CHN-L

Fit to _____
AMX-65 (1/3 · 1/9 Ratio) · PSA40-140/200 · PSA40S-140 · PSA45-160/220
PSA45S-160 · PSA50-180/240 · PSA50S-180

CAT. No.	Model	Inside Diameter d	Price
91610	CHL-1.0	ø1.0	
91615	CHL-1.5	ø1.5	
91620	CHL-2.0	ø2.0	124.00
91692	CHL-2.35	ø2.35	
91625	CHL-2.5	ø2.5	
91630	CHL-3.0	ø3.0	
91693	CHL-3.175	ø1/8"	92.00
91635	CHL-3.5	ø3.5	124.00
91640	CHL-4.0	ø4.0	92.00
91645	CHL-4.5	ø4.5	124.00
91650	CHL-5.0	ø5.0	92.00
91655	CHL-5.5	ø5.5	124.00
91660	CHL-6.0	ø6.0	
91696	CHL-6.35	ø1/4"	92.00
91665	CHL-6.5	ø6.5	
91670	CHL-7.0	ø7.0	124.00
91675	CHL-7.5	ø7.5	
91680	CHL-8.0	ø8.0	103.00

- 1 EmaxEVO
ROTRS
ECOMO
IMPULSE
PRESTO II
SHEENUS neo
SONIC CUTTER
- 2 iSpeed
E2530
E2550
E3000 E3200
E4000
- 3 MA SERIES
ø0.897"
ø1.0"
ø0.98"
ø1.18"
MS SERIES
ø0.75"
ø0.79"
ø0.87"
ø0.91"
ø1.0"
ø0.98"
ø1.18"
HIGH SPEED
AMX
- 4 HES
HTS
HPS
SMS
PL
- 5 AIR LINE KIT
- 6 PARTS
- 7 TECHNICAL DATA
- 8 APPLICATION EXAMPLES
- INDEX

■ indicates Hand Grinder use
■ indicates Machine Spindle use

< PARTS > COLLET

CHM Group

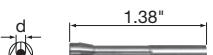


Fit to
MH-300 · BMH-300

Fit to
NR-600 · NR-601 · AMH-300 · AMH-301

CAT. No.	Model	Inside Diameter d	Price
RE11605	CHM-1.0	ø1.0	
RE11600	CHM-1.6	ø1.6	65.00
RE11609	CHM-2.0	ø2.0	
RE11602	CHM-2.35	ø2.35	
RE10459	CHM-3.0	ø3.0	
RE11604	CHM-3.175	ø1/8"	54.00

CHP Group

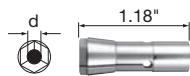


Fit to
ENR-420 ATC

Fit to
NRR-2650 · NR-260E ATC

CAT. No.	Model	Inside Diameter d	Price
AS72115	CHP-2.0	ø2.0	76.00
AS72116	CHP-3.0	ø3.0	
AS72117	CHP-3.175	ø1/8"	65.00

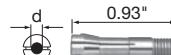
CHR Group



Fit to
NR-5040E ATC · NR-5041E ATC · NR50-5100 ATC

CAT. No.	Model	Inside Diameter d	Price
91920	CHR-2.0	ø2.0	81.00
91930	CHR-3.0	ø3.0	
91993	CHR-3.175	ø1/8"	71.00
91940	CHR-4.0	ø4.0	
91960	CHR-6.0	ø6.0	
91996	CHR-6.35	ø1/4"	81.00

CHS Group

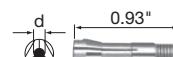


Fit to
ERA-270 · 45°, 90° Angle Type ECOMO · IMPULSE SERIES

Fit to
RA-200 · RA-271E · RA-2521 · RA-H2521

CAT. No.	Model	Inside Diameter d	Price
NK10216	CHS-0.8	ø0.8	
90509	CHS-0.9	ø0.9	
NK10218	CHS-1.0	ø1.0	54.00
90511	CHS-1.1	ø1.1	
90512	CHS-1.2	ø1.2	
90513	CHS-1.3	ø1.3	
90514	CHS-1.4	ø1.4	
NK10219	CHS-1.5	ø1.5	
NK10220	CHS-1.6	ø1.6	44.00
90517	CHS-1.7	ø1.7	
90518	CHS-1.8	ø1.8	76.00
90519	CHS-1.9	ø1.9	
NK10221	CHS-2.0	ø2.0	54.00
90521	CHS-2.1	ø2.1	
90522	CHS-2.2	ø2.2	76.00
90523	CHS-2.3	ø2.3	
NK10215	CHS-2.35	ø2.35	44.00
NK10224	CHS-2.4	ø2.4	76.00
NK10222	CHS-2.5	ø2.5	54.00
90526	CHS-2.6	ø2.6	
90527	CHS-2.7	ø2.7	
90528	CHS-2.8	ø2.8	76.00
NK10209	CHS-2.9	ø2.9	
NK10223	CHS-3.0	ø3.0	
NK10210	CHS-3.175	ø1/8"	44.00

CHSS Group



Fit to
EMA-3020S · PMA-3013S

CAT. No.	Model	Inside Diameter d	Price
93010	CHSS-1.0	ø1.0	
93015	CHSS-1.5	ø1.5	
93020	CHSS-2.0	ø2.0	
93092	CHSS-2.35	ø2.35	84.00
93025	CHSS-2.5	ø2.5	
93030	CHSS-3.0	ø3.0	
93093	CHSS-3.175	ø1/8"	60.00

CH5 Group



Fit to : K-218
: CHN-02

Fit to _____
PLANET 550 · BANTAM 150 · AMS-150R · AMS-150L · AMS-600
AMS-20R · AMS-20L · AMS-50R · AMS-50L · MSTN-23 · NR-310 · FG-02S

CAT. No.	Model	Inside Diameter d	Price
91203	CH5-0.3	ø0.3	
91204	CH5-0.4	ø0.4	
91205	CH5-0.5	ø0.5	
PL11464	CH5-0.6	ø0.6	216.00
PL11465	CH5-0.7	ø0.7	
PL11467	CH5-0.8	ø0.8	
PL11468	CH5-0.9	ø0.9	
PL11488	CH5-1.0	ø1.0	76.00
PL11469	CH5-1.1	ø1.1	
PL11470	CH5-1.2	ø1.2	97.00
91213	CH5-1.3	ø1.3	
91214	CH5-1.4	ø1.4	
PL11494	CH5-1.5	ø1.5	76.00
PL11495	CH5-1.6	ø1.6	
91217	CH5-1.7	ø1.7	97.00
PL11498	CH5-1.8	ø1.8	
91219	CH5-1.9	ø1.9	
PL11489	CH5-2.0	ø2.0	76.00
91221	CH5-2.1	ø2.1	
PL11492	CH5-2.2	ø2.2	
91223	CH5-2.3	ø2.3	97.00
91292	CH5-2.35	ø2.35	
91224	CH5-2.4	ø2.4	
PL10672	CH5-2.5	ø2.5	76.00
91226	CH5-2.6	ø2.6	
PL10683	CH5-2.7	ø2.7	
PL10670	CH5-2.8	ø2.8	97.00
91229	CH5-2.9	ø2.9	
PL11490	CH5-3.0	ø3.0	65.00
91231	CH5-3.1	ø3.1	97.00
PL11466	CH5-3.175	ø1/8"	65.00
91232	CH5-3.2	ø3.2	
91233	CH5-3.3	ø3.3	
PL10671	CH5-3.4	ø3.4	
PL10673	CH5-3.5	ø3.5	
PL10674	CH5-3.6	ø3.6	
PL10682	CH5-3.7	ø3.7	
91238	CH5-3.8	ø3.8	
91239	CH5-3.9	ø3.9	
PL10677	CH5-4.0	ø4.0	65.00
91241	CH5-4.1	ø4.1	
91242	CH5-4.2	ø4.2	
PL10681	CH5-4.3	ø4.3	
PL10679	CH5-4.4	ø4.4	97.00
PL10678	CH5-4.5	ø4.5	
91246	CH5-4.6	ø4.6	
91247	CH5-4.7	ø4.7	
91294	CH5-4.76	ø4.76	76.00
91248	CH5-4.8	ø4.8	
91249	CH5-4.9	ø4.9	97.00
PL10676	CH5-5.0	ø5.0	65.00
91251	CH5-5.1	ø5.1	
91252	CH5-5.2	ø5.2	
91253	CH5-5.3	ø5.3	
91254	CH5-5.4	ø5.4	
91255	CH5-5.5	ø5.5	
91256	CH5-5.6	ø5.6	
91257	CH5-5.7	ø5.7	
91258	CH5-5.8	ø5.8	
91259	CH5-5.9	ø5.9	
PL11502	CH5-6.0	ø6.0	65.00
PL10675	CH5-6.35	ø1/4"	

CH6 Group



Fit to _____
ABS-1600

CAT. No.	Model	Inside Diameter d	Price
90830	CH6-3.0	ø3.0	
90893	CH6-3.175	ø1/8"	76.00

CH8 Group



Fit to _____
RA-100 · RA-151E · RA-2511 · RA-H2511

CAT. No.	Model	Inside Diameter d	Price
PL11539	CH8-0.8	ø0.8	195.00
91009	CH8-0.9	ø0.9	
PL11540	CH8-1.0	ø1.0	65.00
PL11531	CH8-1.1	ø1.1	
PL11536	CH8-1.2	ø1.2	
PL11533	CH8-1.3	ø1.3	87.00
PL11555	CH8-1.4	ø1.4	
PL11556	CH8-1.5	ø1.5	65.00
PL11517	CH8-1.6	ø1.6	
PL11568	CH8-1.7	ø1.7	
PL11569	CH8-1.8	ø1.8	87.00
91019	CH8-1.9	ø1.9	
PL11574	CH8-2.0	ø2.0	65.00
91021	CH8-2.1	ø2.1	
PL11532	CH8-2.2	ø2.2	
91023	CH8-2.3	ø2.3	87.00
PL11521	CH8-2.35	ø2.35	
PL11522	CH8-2.4	ø2.4	
PL11523	CH8-2.5	ø2.5	65.00
PL11525	CH8-2.6	ø2.6	
91027	CH8-2.7	ø2.7	
PL11578	CH8-2.8	ø2.8	87.00
91029	CH8-2.9	ø2.9	
PL11588	CH8-3.0	ø3.0	
PL10637	CH8-3.175	ø1/8"	54.00

CH16 Group



Fit to _____
BMS-4020 · BMS-4020RA
BMS-4040 · BMS-4040RA

CAT. No.	Model	Inside Diameter d	Price
93130	CH16-3.0	ø3.0	
93193	CH16-3.175	ø1/8"	
93140	CH16-4.0	ø4.0	
93160	CH16-6.0	ø6.0	198.00
93196	CH16-6.35	ø1/4"	
93180	CH16-8.0	ø8.0	

CH20-16



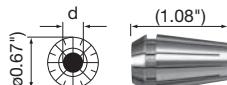
Fit to _____
PLANET 2000

CAT. No.	Model	Inside Diameter d	Price
PL10641	CH20-16	ø1/16"	34.00

■ indicates Hand Grinder use
■ indicates Machine Spindle use

< PARTS > COLLET & COLLET NUT

ER16-UP / AR16-AA



Fit to : CHN-E

Fit to
AMX-80 (1/3 · 1/9 Ratio) · PSA60-200/260 · PSA60S-200

CAT. No.	Model	Fit to	Price
—	ER16-UP	REGO-FIX ER16-UP	Available in the market
—	AR16-AA	ALPS TOOL AR16-AA	

Collet Nut CHN-A

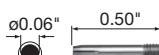


Fit to : CHA

Fit to
AMS-1501 · AMS-1210 · BM-319 · BM-320 · BM-320F · BM-322 · BM-322FR
BM-322FL · BM-325 · EM20-S6000 · EM25-S6000 · EMS-3060A
HES810 · HTS · HPS500
MSS-19 · MSS-20 · MSS-22 · NR-3080S · PMS-3020A · SMS401

CAT. No.	Model	Fit to	Price
2102	CHN-A	CHA	54.00

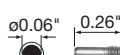
K-252



Fit to
MFC-300S

CAT. No.	Model	Inside Diameter d	Price
RE10360	K-252	Ø1/16"	38.00

K-253



Fit to
MFC-300M

CAT. No.	Model	Inside Diameter d	Price
RE10356	K-253	Ø1/16"	38.00

NKM6 Group (NK Micron Collet)



Fit to : CHN-6

Fit to
Straight Type ECOMO

CAT. No.	Model	Inside Diameter d	Price
92030	NKM6-2.35	Ø2.35	
92092	NKM6-3.0	Ø3.0	
92093	NKM6-3.175	Ø1/8"	60.00

Collet Nut CHN-B (For EMS-6040/6040K)



Fit to : CHK

Fit to
EMS-6040 · EMS-6040K

CAT. No.	Model	Fit to	Price
AS12123	CHN-B	CHK	42.00

Collet Nut CHN-E

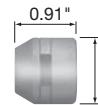


Fit to : ER16-UP
AR16-AA

Fit to
AMX-80 (1/3 · 1/9 Ratio) · PSA60-200/260 · PSA60S-200

CAT. No.	Model	Fit to	Price
PS12119	CHN-E	ER16-UP AR16-AA	46.00

Collet Nut CHN-L



Fit to : CHL

Fit to
AMX-65 (1/3 · 1/9 Ratio) · PSA40-140/200 · PSA40S-140 · PSA45-160/220
PSA45S-160 · PSA50-180/240 · PSA50S-180

CAT. No.	Model	Fit to	Price
PS02121	CHN-L	CHL	44.00

Collet Nut CHN-6



Fit to : NKM6 Group

Fit to
Straight Type ECOMO

CAT. No.	Model	Fit to	Price
2104	CHN-6	NKM6 Group	36.00

< PARTS > COLLET NUT

Collet Nut CHN-02



Fit to : CH5

Fit to _____
NR-310 · AMS-20R · AMS-20L · AMS-50R · AMS-50L · MSTN-23 · FG-02S

CAT. No.	Model	Fit to	Price
AS32124	CHN-02	CH5	42.00

Collet Nut CHN-16



Fit to : CH16

Fit to _____
BMS-4020 · BMS-4020RA · BMS-4040 · BMS-4040RA

CAT. No.	Model	Fit to	Price
2161	CHN-16	CH16	62.00

Collet Nut K-218



Fit to : CH5

Fit to _____
PLANET 550 · BANTAM 150 · AMS-150R · AMS-150L · AMS-600

CAT. No.	Model	Fit to	Price
PL12120	K-218	CH5	42.00

Collet Nut K-263



Fit to : CHA

Fit to _____
NRAF-5080 · NR-320 · ABS-800 · PS20-70/120 · PS20S-70 · PSA23-80/130
PSA23S-80 · SMS400 · BANTAM 250 · PLANET 850 · PLANET 1500
AMS-250 · AMS-1500 · MS-19 · 20 · 22

CAT. No.	Model	Fit to	Price
RA11820	K-263	CHA	42.00

Collet Nut K-265



Fit to : CHK

Fit to _____
EM30-S6000 · EMA-3020K · EMS-3041 · EMS-3046-J4 · EMS-3052
EMS-3057-J4 · EMS-3060K · EMR-3008K · NR-403E · NR-453E
NRL-300E · RAS-101 · RAS-151E · RAS-2510 · RAS-H2510 · RAX-271E
RAX-71E · NR-2532 · NR-H2532 · NR-2511 · NR-H2511 · NR-2551
NR-H2551 · NR-2351 · NRL-300 · NR-303 · NR-303P · NR-311 · NR-3060S
MS-23 · MSS-23 · MST-23 · MSST-23 · MSS-25 · MSSH-25 · ABS-400
AMX-50 · AMX-65 (1/1 Ratio) · AMX-80 (1/1 Ratio) · PMA-3013K
PMR-3005K · PMS-3020K · PS23-80/130 · PS23S-80 · PSA25-90/140
PSA25S-90 · PSA30-100/160 · PSA30S-100 · PSA35-120/180
PSA35S-120 · ABS-70P · HES510 · PLANET 400 · FG-01S · HPS250

CAT. No.	Model	Fit to	Price
RA11900	K-265	CHK	42.00

Collet Nut K-265A



Fit to : CHK

Fit to _____
NRAF-5080

CAT. No.	Model	Fit to	Price
2158	K-265A	CHK	73.00

AMERICAN ROTARY TOOLS CO.

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■ indicates Hand Grinder use
■ indicates Machine Spindle use

* Order by catalog number. **6-p7**

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E2550
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E3200
E4000

3
MA SERIES
e0.897"
e1.0"
e0.98"
e1.18"
MS SERIES
e0.75"
e0.79"
e0.87"
e0.91"
e1.0"
e0.98"
e1.18"
HIGH SPEED
AMX

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