

# ALPS TOOL

## OIL TYPE BAR FEEDER

### ASR RX45Ev

### ASR RX51Ev

Set-up change is  
only by finger chucks.



Based on our original technology, ASR RX45Ev and RX51 Ev are the latest models for medium and large diameter CNC lathes in order to aim at a further rotation performance improvement and a quieter factory environment.

It adopts the multi-hybrid support that improves a fluid characteristic of oil and a characteristic of vibration-proof more than before.

Furthermore, steady rest units are equipped in the top end and middle as standard and improve the effect of noise-proof and vibration-proof.

This model is the high performance oil feeder that regards stability at high speed and safety as important.

#### ASR RX45Ev/51Ev

#### FEATURES

- Set-up change is finished only by finger chucks and adjustment.
- Double feed-rods (PAT) improve vibration-proof performance in the main spindle.
- Accurate remnant discharge (PAT.P) realizes stable and continuous operation.
- Servo motor drive realizes stable feeding control.
- The upper cover is possible to be opened and closed from either the front or the rear, and set-up change and maintenance are easier.

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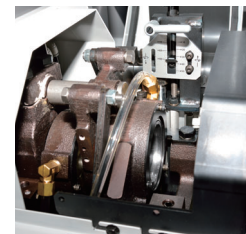
# OIL TYPE BAR FEEDER

# ASR RX45Ev ASR RX51Ev

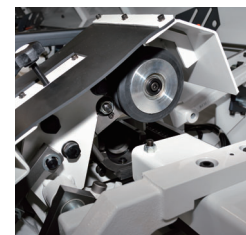
## SPECIFICATIONS

Bar Diameter	<b>RX45Ev</b>	42 type: $\Phi 8 \sim \Phi 37\text{mm}$ ( $\sim \Phi 42\text{mm}$ ) 45 type: $\Phi 8 \sim \Phi 40\text{mm}$ ( $\sim \Phi 45\text{mm}$ )	H10~H30mm H10~H35mm
	<b>RX51Ev</b>	51 type: $\Phi 8 \sim \Phi 45\text{mm}$ ( $\sim \Phi 51\text{mm}$ )	H10~H38mm
※Step-cut machining at rear end of bars is needed to reach the measurement in parentheses. ※Bar diameter is decided by the maximum machining diameter of lathes. Small Diameter Option : 20 type: $\Phi 5 \sim \Phi 16\text{mm}$ H5~H 14mm (Support and FP are needed to be changed)			
Rack Capacity	$\Phi 10 \rightarrow 30\text{pcs}$ · $\Phi 45 \rightarrow 7\text{pcs}$ · $\Phi 51 \rightarrow 6\text{pcs}$		
Bar Legth	2.5m 3.0m 4.0m		
Remnant	Remnant Retract (Length 70~500mm)		
Feed Speed	Forward 350mm/sec (MAX) Backward 700mm/sec (MAX)		
Feed Force	MAX 400N(40.8kgf)		
Power Source	AC200V 3PH 50/60Hz 2.0KVA		
Air Supply	0.5~0.7Mpa(5~7kgf/cm <sup>2</sup> )		
Oil used	ISOVG32~100 2.5m→55 L 3.0m→60 L 4.0m→70 L		
Weight	2.5m→1,050Kg 3.0m→1,100Kg 4.0m→1,250Kg		

※Specification may be changed without notice improvement.



Top End Steady Rest Unit

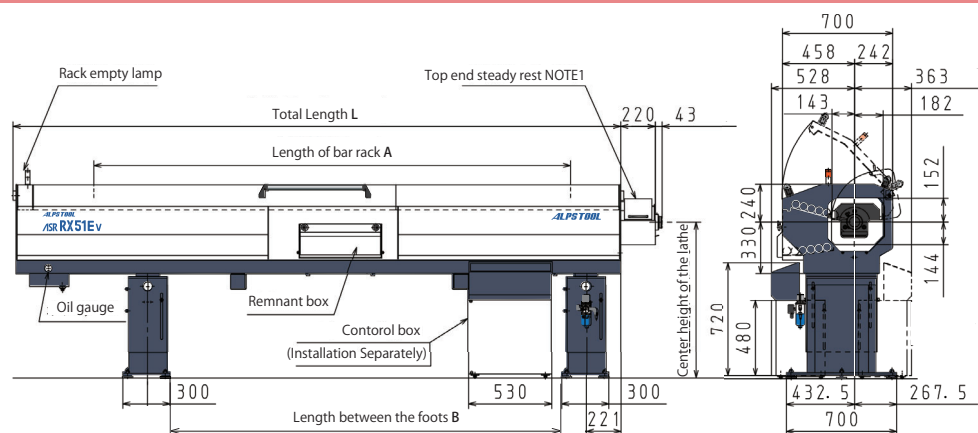


Middle Steady Rest Unit



Operation Panel

## DIMENSIONAL FIGURE



- ※1.The length of the top end steady rest will be changed in accordance with the models of NC lathes.  
 ◎Type (R)-the bar rack and the remnant box are reversed-is available.  
 Please ask us to place an order.  
 ◎When the basic type is installed at the right side of a lathe.  
 The operation side (control box) is the reverse side of the bar rack and the remnant box.

Dimensional Spec	L	A	B
2.5 m	3,380	2,530	2,000
3.0 m	3,880	3,030	2,500
4.0 m	4,880	4,030	3,500

## CARE FOR OPERATION

- When the bar diameter is larger than max. ID of finger chuck, give the step-cut machining to the rear end of the bar.
- Parts for set-up change, options and other special specifications are handled separately.
- Select rotation speed to comply with the bar-bend-accuracy.  
 (Bar bend MAS standard B class or better, Larger bend 0.5mm or less per 1m)

# ALPS TOOL

### ALPS TOOL CO.,LTD.

HQ, Factory 1 10070 Sakaki, Sakaki-machi, Hanishina-gun, Nagano-ken, 389-0601 Japan  
 Factory 2 10030 Sakaki, Sakaki-machi, Hanishina-gun, Nagano-ken, 389-0601 Japan  
 Factory 3 102-8 Nakanojo, Sakaki-machi, Hanishina-gun, Nagano-ken, 389-0602 Japan

阿尔卑斯工具(大连)有限公司 116620辽宁省大连经济技术开发区湾里街道悦祥街7号

### ALPS TOOL(Dalian)CO.,LTD.

Dalian Factory No. 7 Yuexiang Street, Wanli Sub-district, Dalian Economic and Technical Development Zone, Dalian Liaoning China

### ALPS TOOL(THAILAND)CO.,LTD.

Ayutthaya Factory Hi-Tech Industrial Estate, 144 Moo 1, Tambol Banlen, Amphur Bang Pa-In, Ayutthaya 13160 Thailand  
 Suranaree Factory 567 Moo6 Tambol Nongraviang Amphur Muang Nakhon Ratchasima 30000 Thailand

### ALPS TOOL USA, INC.

5420 Newport Drive, Unit #51 Rolling Meadows, IL 60008 USA

### ALPS TOOL Europe GmbH

Vogelsangstr. 8, 73760 Ostfildern GERMANY

TEL +81-268-82-2511 FAX +81-268-82-7368  
 TEL +81-268-82-4811 FAX +81-268-82-8741  
 TEL +81-268-82-7911 FAX +81-268-82-7919

TEL +86-411-87935969 FAX +86-411-87935255

TEL +66-35-314-071 FAX +66-35-314-075  
 TEL +66-44-009-838 FAX +66-44-009-839  
 TEL +1-847-342-0300 FAX +1-847-342-6355  
 TEL +49-711-34801-139 FAX +49-711-34801-140



<https://atc.sub.jp/en/>  
 Email: kaigai-e@alpstool.com

2025.07.09-No.2T