

Single action spring clamp

SELNUT



HIROTAKA MFG. CO.,LTD.

SELNUT

Compact and lightweight powerful spring type tightening nut. Use this clamp for automation and labor saving of JIG.

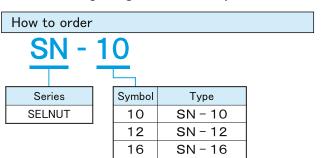
Overview

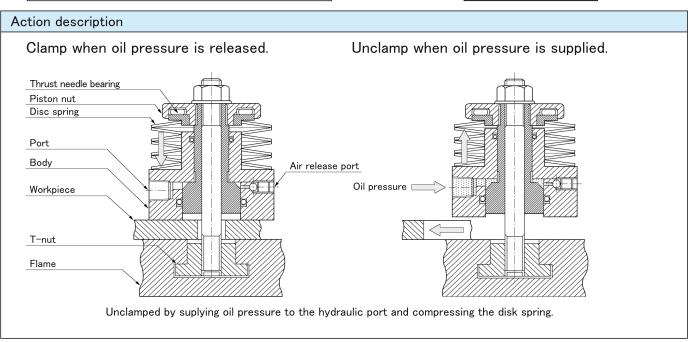
The SELNUT is a product that automates the tightning nut for bolt-type clamps. It is an automatic clamping device that eliminates variations in clamping force, shortens clamping time, and saves labor in clamping to improve work safety and efficiency.

Specifications					
Model numberl	SN-10	SN-12	SN-16		
Maximum clamping force	7.3 kN	13 kN	13 kN		
Stroke	3 mm				
Screw hole diameter	M10P1.5	M12P1.5	M16P1.5		
Amount of oil	1.36 cm	2.8 cm	2.8 cm		
Operating pressure	19.5 to 30 MPa				
Mass	1.1 kg	2.3 kg	2.3 kg		

Feature

- 1 Compact and lightweight with strong clamping force.
- 2 Mounting screws size are M10 to M16, clamping force is 7.3 to 13 kN
- 3 There is no looseness even if troubles such as vibration, piping, etc. occur during clamping, or power outages occur.
- 4 There is no misalignment of the workpiece when tightening, and uniform tightening force can be easilyobtained.





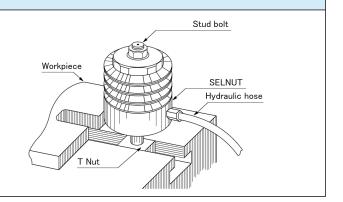
How to use

Supply oil pressure to the SELNUT port to unclamp.

As shown in the right figure, after inserting the slotted hole of the workpiece into the SELNUT set on the T-nut, release the oil pressure and clamp it.

Very smooth, safety and reliable work can be done.

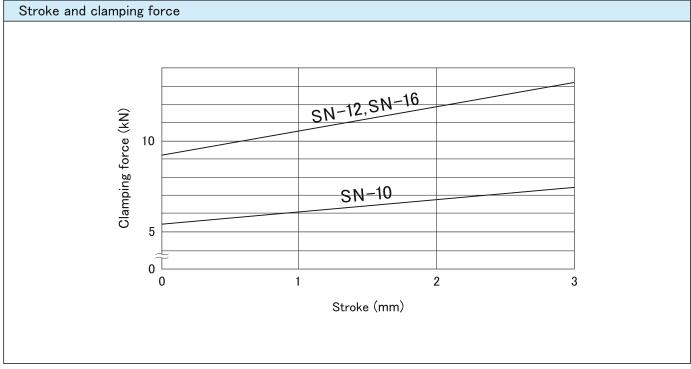
Use the RUSH BOOSTER that can convert from pneumatic to the oil pressure source.



Port Rc1/8 F 2-J ϕ K

Dimensions

			Unit:mm
Model No. Symbol	SN-10	SN-12	SN-16
Α	52	70	70
В	64	89	89
С	59	63	63
D	7	10	10
E	26	26	26
F	48	70	70
G	15	15	15
Н	M10×1.5 Depth20	M12×1.75 Depth20	M16×2.0 Depth20
J	M6×1.0 Depth15	M6×1.0 Depth15	M6×1.0 Depth15
K	10.5	16.5	16.5



Suitable for oil pressure source for unclamping SELNUT.

Air-hydro booster

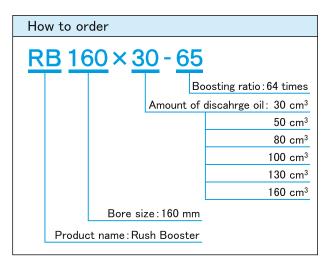
RUSH BOOSTER

Overview

The rush booster is an air-hydro booster that can generate oil pressure with compressed air.

It can be operated with one pneumatic valve and converted to high oil pressure equivalent to 5 to 100 times the air pressure.

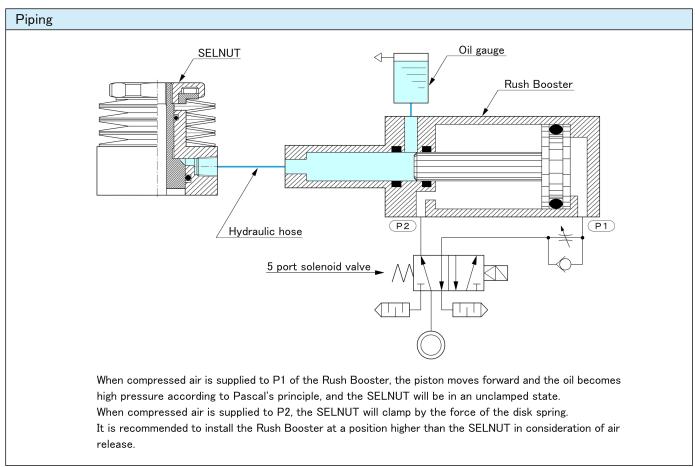
Use as a hydraulic source for short stroke hydraulic cylinders, automatic clamp devices, etc.

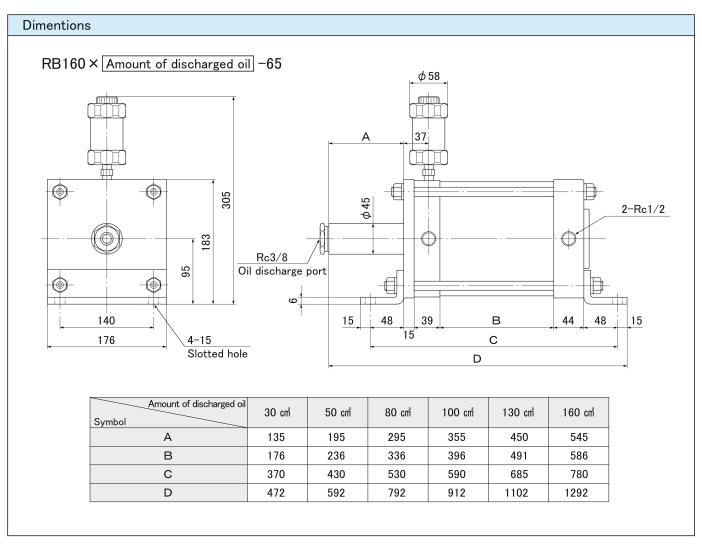


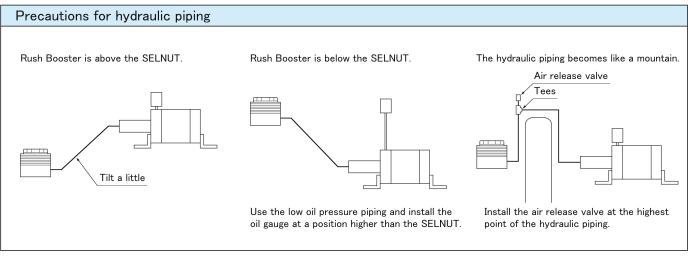
Feature

- 1 Converts 0.4 MPa air pressure to 25 MPa oil ressure.
- 2 Since it operates with an air pressure, there is no trouble due to oil temperature rise even in the state of continuous operation and pressure holding.
- **3** The oil pressure can be changed steplessly by changing the air pressure.
- 4 Control can be done with an one pneumatic valve.

Specifications		
Model No.	RB160 × Amount of discharged oil -65	
Bore size	160 mm	
Ram diameter	20 mm	
Pressure increase ratio	64 times	
Amount of discharged oil	30 cm³, 50 cm³, 80 cm³, 100 cm³ 130 cm³, 160 cm³, 200 cm³, 250 cm³	
Maimum generated oil pressure	45.5 MPa (At air pressure 0.7 MPa)	
Operating pressure	0.3 to 0.7 MPa	
Fluid (Air pressure)	Air	
Fluid (Oil pressure)	Standard mineral hydraulic fluid	







HEAD OFFICE

BRANCH OFFICE 207 Castle-Shinkoiwa, 1-56-14, Shinkoiwa, Katsushika-ku, Tokyo 124-0024, JAPAN

Phone +81-52-991-6111 Fax +81-52-991-6115 Phone +81-3-3651-4230 Fax +81-3-3651-4231

OLINE UP O

PNEUMATIC POWER CYLINDER PNEUMATIC BOOSTER **POWER PACK CYLINDER RUSH BOOSTER** HYDRAULIC CYLINDER **FREE LOCK PAD** SELLOCK CYLINDER FLOATING CONNECTOR **AUTO CLAMPER SEL NUT LINEA BRAKE**

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