

PIPING SOLUTIONS

**REX**

2019  
**PRODUCT LINE UP**

**REX**

# Professional Piping Tools

Piping equipment is indispensable in our life and society as a whole. The Rex Group aims to provide reliable products and service that result in the highest level of customer satisfaction by listening to our customers on- and off-site. Our focus is on "CCM" – speedy and accurate Cutting, making secure Connections, and Maintaining equipment and facilities for long-lasting performance. In so doing, Rex aids in solving the challenges of installation, preservation and on-site maintenance. The result – a better work-site situation and a better environment for us all.

## Originality – the key to outstanding cutting performance

Cutting is an everyday activity and over the years numerous tools have been developed for the purpose. Rex products provide the answer to the varied and challenging tasks facing the plumbing industry. We provide the answer to your needs, whatever the situation!

### Cutting



## Safe, secure connections

Rex offers a range of tools to ensure safe and secure connection between pipes. From threads to grooves, flares and welds, we have the right tools to make the connection.

### Connecting



## Maintenance and care wherever you work

The whole world is concerned with environmental issues now. A recycling society means we need to avoid excess scrap and other waste, and use tools, equipment and facilities to the maximum. To achieve this, Rex offers a range of products that can be used at site to keep equipment and facilities working, and lasting, longer. Products for today and for our future.

### Maintenance



### HYPER SAW



XS150S

### BAND SAW MANTIS Series



XB120A

XB125

XB180WA

XB180WS

XB270A

10

### PIPE CUTTERS



C2

CM50

LINK CUTTER No.10

### RB TUBE CUTTER



RB22

N28S

N30S

N42S

N67S

17

### PIPE THREADING MACHINE Series



F25A

S40A

NP50AV

NR50AV

NP80A

N100A

150A

20

### Optional Accessories



### CUTTING OIL



### Compatibility Tables



Dies



Die head

### ROLL THREAD HEADS



SRH-20A

SRH-50A

32

### PIPE VICES



CV-6

V1

CVX6

### PIPE THREADERS



2R4

44

### GROOVING TOOLS



RG150 (Hand Pump)

RG150A (Automatic Pump)

PORTABLE GROOVER M

PORTABLE GROOVER H

48

### COPPER TUBE TOOLS



RF20S

### FLEXIBLE TUBE TOOLS



RT20S

52

### DIAGNOSTIC INSPECTION CAMERA



GLS2820

GLS-V2830

54

### HIGH-PRESSURE WASHERS



GB160-R

RZ3

60

# Corporate Profile

## REX INDUSTRIES CO., LTD.

### The Core of REX Industries

Piping installations – gas, water, etc. - that are essential for everyday life. First of all, we put every effort into product development – products with a wide range of uses including advanced, earthquake-resistant piping installations designed to protect essential lifelines when natural disasters occur. And with REX' innovative, technological creativity, we manufacture a variety of innovative products under the three themes of Cutting, Connecting and the Environment, while creating a safe, carefree work environment by eliminating problems that can arise at site. Another important aspect of our product line is pipe inspection equipment and water management systems designed to keep our lives safe by having clean water. And to provide both our customers and society as a whole with a safe and carefree life, REX puts every effort into environmental protection through its product development, manufacturing and marketing - giving you clean water and a beautiful environment to pass on to the next generation.

## CUSTOMER RELATIONS

### Corporate Philosophy

#### "The Three Benefits"

Our philosophy of "The Three Benefits" is aimed at benefitting our customers, our employees and society as a whole. In a spirit of mutual trust, we make every effort to enable each of these three parties to enjoy mutual prosperity and, in the process, we aim to contribute to modern society.

#### Our goals:

1. To create great work facilities through the development of original technology and services, and thereby to enrich our society.
2. To create, among our customers in the plumbing industry and elsewhere, a highly trustworthy and dependable company with impressive products and service.
3. To create a company where each employee works proactively and each employee makes a valuable contribution.

### Manufacturing Policy

Our manufacturing policy is based on the concept that product development starts with our customers - at site.

Our starting point is embedded in three simple principles:

- go where the products are used
- know your products
- be pragmatic



"The Three Benefits"



## AN OUTLINE OF REX

<b>Established</b>	August, 1925
<b>Capital</b>	¥90,000,000 (REX Group Total : ¥1,050,000,000)
<b>Chairman President</b>	John K. Miyagawa Junichi Miyagawa
<b>Registered address &amp; Finance Dept.</b>	1-4-5, Nishi Shinsaibashi, Chuo-ku, Osaka 542-0086 Japan
<b>Head Office &amp; Main Factory</b>	1-9-3, Hishiya-Higashi, Higashi-Osaka 578-0948 Japan
<b>Tottori Factory</b>	1124-7, Takata, Daisen-cho, Saihaku-gun Tottori 689-3224 Japan
<b>Branch Offices</b>	Tokyo and Osaka
<b>Sales Offices (Domestic)</b>	Sapporo, Sendai, Tokyo, Maebashi, Kanagawa, Nagoya, Osaka, Hiroshima and Kyushu
<b>No. of Employees</b>	180 (REX Group Total : 300)
<b>Activities and Products</b>	Planning, development, production, manufacture, sales and marketing of Pipe Threading Machines, Cutters, Fusion Units, Copper Tube Tools, Diamond Core Drills and Machinery & Equipment for the Environment, Water systems, and Equestrian-related products etc.
<b>Group Companies</b>	REX International U. S. A., Inc. Suzhou REX Electro-Machinery Co., Ltd. REX International Asia Co., Ltd. REX Industries India Pvt. Ltd.



Head Office, Factory / Osaka Sales Dept.



Head Office, Factory



Head Office, Factory / Museum

# Quality Improvement and Environmental Preservation

## ISO9001 and 14001 certified

Rex has been ISO9001 certified since 1998 and ISO14001 certified since 2003. We are working on numerous activities to improve customer satisfaction and develop products that are good for the environment.

### ISO 9001

The latest ISO9001, which indicates how important Customer Satisfaction (CS) is to us. Rex gathers 2,000 data from end users every year, analyses the information with regard to our products and service, and makes every effort to improve our CS.



#### Quality Policy

- To develop Rex' identity and to build a first-class company offering outstanding value.
- To tirelessly pursue customer satisfaction and to improve the quality of corporate management.

### ISO 14001

"Individual awareness will save the planet." This is the principle upon which Rex' environmental policy is built. We manufacture products that are eco-friendly; for example, the roll thread head series, which reduces the use of cutting oil and wastage of steel pipe. Rex has adopted the 3R\* concept against steel wastage and packing materials that are produced during manufacture.



#### Environmental Policy

1. We shall contribute to environmental preservation through all our activities.
2. We shall establish an environmental management system to protect against pollution.
3. We shall adhere to environmental laws and regulations, create our own standards and regulations, and improve our management system.
4. We shall reduce wastage, recycle materials, and save energy and resources.



\*3R : REDUCE (resources) / REUSE (parts) / RECYCLE (materials)

## RoHS

### Testing Equipment

Material analysis equipment designed to test compliance with the EU directive on RoHS (Restriction of Hazardous Substances).

Tests for the ratio of impurities such as lead, mercury, cadmium and hexavalent chrome.



Material analyser

## ISO 9001 / 14001

### For the planet we live on

Under the banner of "Individual awareness will save the planet.", we take the future of the earth seriously and shall contribute to environmental preservation through all our business activities under the concept of "quality first".



# THE HISTORY OF REX



- 1925 : Miyagawa Tool Works established.
- 1935 : Factory moved to newly constructed facility in Higashi-Osaka City (present location).
- 1938 : Policy initiated of hiring the disabled.
- 1959 : Tokyo branch office opened, marking the first step toward the creation of a domestic network.
- 1960 : Mass production of pipe machines started.
- 1961 : Second factory completed at Head Office.
- 1964 : Sales department becomes an independent concern, REX Tool Co., Ltd.
- 1965 : REX Industries Co., Ltd. established.
- 1974 : European market links opened.  
New reconstruction work on Head Office factory completed.
- 1976 : American market links opened.
- 1979 : Head Office moved to Nishi-shimizu-cho, Minami Ward, Osaka.
- 1988 : Wheeler Mfg. established as a division of REX International U.S.A., Inc.  
2D computer-aided design (CAD) introduced.
- 1989 : REX Industries Co., Ltd. merges with REX Tool Co., Ltd.  
Service division becomes an independent company (REX Techno Service Co., Ltd.)
- 1990 : Construction of training facilities at Misaki Hall completed.
- 1991 : REX International Asia Co., Ltd. established.  
Construction of new building in Higashi-Osaka completed.
- 1992 : "ENSYS" production control system and "RIMSS" sales control system implemented.
- 1993 : Corporate Identity (CI) activities initiated.  
H.A. Division (Horse & Equestrian Supplies) established.  
SPARKEL series awarded first prize by Osaka Design Center.
- 1994 : MANTIS 180 (Band Saw) and REX Star 25 (pipe threading machine S25A) awarded Good Design Award by the Ministry of International Trade and Industry.  
MANTIS 180 awarded Good Design Prize for Products, Architecture or Interiors by Small and Medium Enterprises Agency.
- 1995 : Support team organized to help with reconstruction following the Great Hanshin-Awaji Earthquake of January 1995; team dispatched to reconstruction sites.  
Research into diamond tools and equipment begins.
- 1996 : Suzhou REX Electro-Machinery Co., Ltd. established.  
Tottori Factory established.  
3D computer-aided design (CAD) introduced. In-house network completed.
- 1997 : REX Museum completed.  
Roll Threading machine receives Grand Meritorious Prize for Japanese Inventions.
- 1998 : Trade with Central & South America begins.  
ISO 9001 certification acquired.
- 2000 : Participated in ENF exhibition, Mexico.
- 2001 : RB Tube Cutter wins Good Design Award, and Small and Medium Enterprise Agency Director's Award.  
REX exhibits products in Eastern Europe for the first time (Prague, Czech Republic).
- 2002 : REX Industries Europe S.r.l. established. Participated in Mostra Convegno, Italy.
- 2003 : ISO 14001 Certification acquired.
- 2004 : Construction of Suzhou REX No.2 Plant completed.  
First participation in Japan D.I.Y. Home Center Show.
- 2005 : Celebration of 80th Anniversary of the founding of the company.
- 2006 : Awarded Higashi-Osaka Gold Prize for Craftsmanship.  
Recipient of The Japan Gas Association (JGA) 'Technology Award' for emergency shut-off tools for large diameter plastic pipe (RS-200)
- 2007 : Mantis 180WA/180WS Band Saw launched.  
Official supplier of International Skills Festival for All Japan 2007.
- 2008 : Winner of the 33rd Nikkan Industrial Newspaper Grand Prize for Inventions  
Recipient of the Osaka Environmental Agency Incentive Award for Business Activities.  
Selected as one of the "300 Vibrant Manufacturing SMEs" (METI 2008).
- 2010 : According to a revision of the Standard Specifications for Public Construction Works issued by the Ministry of Land, Infrastructure and Transport, 2010, roll threads and powdered polyethylene lined steel pipe up to 50A can be used.
- 2012 : Tottori Factory receives JSCTA's Environment Award 2011.  
LIGHT GROOVE150DX and MANTIS 180WA/WS selected in both Development (Technology) and Design categories of the Higashi-Osaka Products Selection.
- 2013 : Tottori Factory receives JSCTA's Environment Award 2012.  
REX Industries India Pvt. Ltd. established.  
Recipient of the Japan Gas Association 'Special Award'.  
Recipient of the Assoc. for Rational Administration (Osaka) Inc. 'Administrative Rationalization Award'.
- 2014 : Recipient of the Kansai Quality Award for Excellence 2014.  
Recipient of Higashi-Osaka City "Award for Excellence in CSR Management" in two categories.  
Tottori Factory receives JSCTA's Environment Award 2013.
- 2015 : REX 90th Founding Anniversary.  
Miyagawa Tool Works merging into REX.  
Recipient of the Osaka Institute of Invention and Innovation Chairman's Award for REX Digital Test Recorder for Water Pressure and Level.
- 2017 : REX International Asia Co.,Ltd.moves to new offices.  
Tottori Factory receives JTA's Environment Award 2017.
- 2018 : Tottori Factory receives JTA's Environment Award 2018.  
Recipient of the Japan Post Insurance Awards such as excellent gymnastics exercise organizations Prefectural awards recognition 2018.
- 2019 : Certified as a health business superior corporation 2019. (SME sector) (METI:Ministry of Economy, Trade and Industry)



\* 1 : Winner of Good Design Award: Japan Industrial Design Promotion Organization

\* 2 : Winner of Osaka Design Center Good Design Prize



## 苏州力克士机电工业有限公司

### SUZHOU REX ELECTRO MACHINERY CO., LTD.

Established March 1996

中国江苏省苏州市苏州新区塔园路89号

89, Tayuan Road, Suzhou New District, Suzhou 215011 China

Tel +86-(0)512-6825-0558 Fax +86-(0)512-6825-8224

<http://www.szrex.com/>



2nd Factory



Processing line



Machining



3D Measurement Device



## REX INDUSTRIES INDIA PVT.LTD.

Established June 2013

Plot No.730, Udyog Vihar, Phase-5,

Gurgaon (Haryana), 122016 India

Tel. & Fax +91 (0)124 401 8157

<http://www.rexindia.co.in>



## REX INTERNATIONAL ASIA CO., LTD.

Established April 1991

No.29/10, Village No.7, Soi

Pooncharoen, Bangna-Trad Road,

Bangchalong Sub-district,

Bangphlee District, Samutprakan

Province 10540 Thailand

Tel. +66-(0)2-103-4496

Fax. +66-(0)2-103-4497

<http://www.rexasia.co.th>





## REX INTERNATIONAL U.S.A., INC.

### Wheeler Mfg. Div. of REX International U.S.A., Inc.

Established December 1987

3744 Jefferson Road, Ashtabula, Ohio 44005 U.S.A.

Tel. +1-440-998-2788

Fax +1-440-992-2925

<http://www.wheelerrex.com>



Production line A



Production line B



## リッキ工業株式会社

## REX INDUSTRIES CO., LTD.

### Head Office, Factory & Overseas Sales Dept.

1-9-3, Hishiya-Higashi, Higashi-Osaka

578-0948 Japan

Tel. +81-(0)72-961-9820

Fax +81-(0)72-961-9878

<http://www.rexind.co.jp>

E-mail: [overseas@rexind.co.jp](mailto:overseas@rexind.co.jp)



### Registered address & Finance Dept.

Midosuji Building, 1-4-5,  
Nishishinsaibashi, Chuo-ku, Osaka  
542-0086 Japan

Tel. +81-(0)6-6245-3158

Fax +81-(0)6-6245-6327



### Tottori Factory

Established December 1996

1124-7, Takata, Daisen-cho,  
Saihaku-gun, Tottori 689-3224 Japan

Tel. +81-(0)859-48-4101

Fax +81-(0)859-54-2623



### Related Businesses: H.A. Division (Horse & Equestrian Supplies)

As the only company in Japan to have a more than 40-year history of an in-house equestrian club, REX draws upon considerable know-how in developing a better environment for both horses and equestrians alike. Our line-up includes a variety of horse feed as well as 'Polytrack' – an all-weather synthetic surface developed in the United Kingdom for racetracks and equestrian events– thereby heralding a new era in the world of horse-riding and horse racing. By providing the products, after sales service and information our customers need, we are making a significant contribution to Japan's riding community.



# MANTIS Series

Greatly improved operability, safety and transportability.

For  
**4"**  
PIPE



475140



### Chain Vice

<b>MANTIS 125 8A-100A (1/4"-4")</b>	
Code No.	475140
Model	MANTIS XB125
Cutting capacity	90°ROUND PIPE Φ125/SQUARE PIPE100/ ROUND BAR (MILD STEEL) Φ60
Motor	Single phase 220 V (50/60 Hz), Split-phase Induction motor 250W (Output), 380/350W (50/60Hz : Input) with overload protection
Pulley speed (rpm)	70 (50 Hz), 84 (60 Hz)
Dimensions (mm)	L780 x W340 x H335
Weight (kg)	33
Standard accessories	14-tooth HSS blade (x1)(475312), Hex key wrench 5 mm



475142



### Flat Vice

<b>MANTIS 120A 8A-100A (1/4"-4")</b>	
Code No.	475142
Model	MANTIS XB120A
Cutting capacity	90°ROUND PIPE Φ120/SQUARE PIPE105/ ROUND BAR (MILD STEEL) Φ60 45°ROUND PIPE Φ50/SQUARE PIPE50
Motor	Single phase 220 V (50/60 Hz), Split-phase Induction motor 250W (Output), 380/350W (50/60Hz : Input) with overload protection
Pulley speed (rpm)	70 (50 Hz), 84 (60 Hz)
Dimensions (mm)	L780 x W340 x H335
Weight (kg)	35
Standard accessories	14-tooth HSS blade (x1)(475312), Hex key wrench 5 mm, Hex socket wrench 17 mm



For  
**6"**  
PIPE

## Lightest in its class! Two actions in one machine!

We've brought you safety, we've brought you ease of use, now we bring you a new type of machine in the MANTIS series. Just change the vice for double the action!



4751S1



CHAIN VICE UNIT  
475190

### Chain Vice

<b>MANTIS 180WS 8A-150A (1/4"-6")</b>	
Code No.	4751S1, 4751S2 (CE)
Model	MANTIS XB180WS
Cutting capacity	90°ROUND PIPE Φ180/SQUARE PIPE150/ ROUND BAR (MILD STEEL) Φ80
Motor	Single phase 220 V (50/60 Hz), Split-phase Induction motor 250W (Output), 380/350W (50/60Hz : Input) with overload protection
Pulley speed (rpm)	70 (50 Hz), 84 (60 Hz)
Dimensions (mm)	L865 x W355 x H415
Weight (kg)	37
Standard accessories	14-tooth HSS blade (x1)(475211), Hex key wrench 5 mm



4751A1



FLAT VICE UNIT  
475192

### Flat Vice

<b>MANTIS 180WA 8A-150A (1/4"-6")</b>	
Code No.	4751A1, 4751A2 (CE)
Model	MANTIS XB180WA
Cutting capacity	90°ROUND PIPE Φ180/SQUARE PIPE150/ ROUND BAR (MILD STEEL) Φ80 45°ROUND PIPE Φ80/SQUARE PIPE80
Motor	Single phase 220 V (50/60 Hz), Split-phase Induction motor 250W (Output), 380/350W (50/60Hz : Input) with overload protection
Pulley speed (rpm)	70 (50 Hz), 84 (60 Hz)
Dimensions (mm)	L865 x W355 x H415
Weight (kg)	44
Standard accessories	14-tooth HSS blade (x1)(475211), Hex key wrench 5 mm, Hex socket wrench 17 mm



# MANTIS 270A

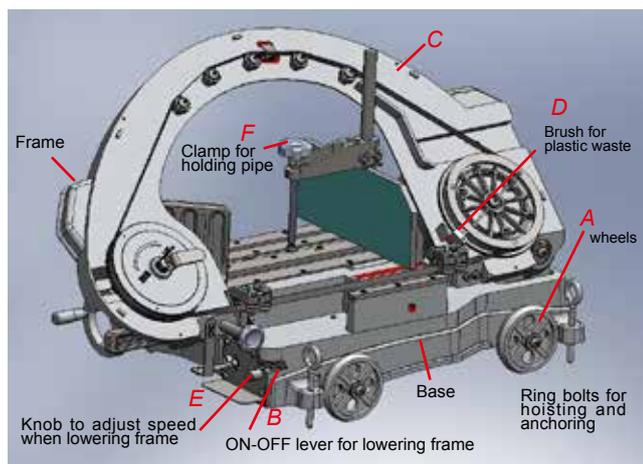
8A-250A (1/4"-10")

## Among the lightest and most portable of large Band Saws! Does just about everything you need to do at site!

The latest model in the Mantis range adds a new dimension to your work. Hydraulic cylinder inside base unit allows variable adjustment of the frame lowering speed.

### Features (Letters **A** to **F** refer to diagram below)

- Handles up to 10" pipe
- 4 wheels built in for great portability - **A**
- Lightest in its class
- Oil-free cutting
- Hydraulic damper and spring allows smooth adjustment of cutting speed - **B**
- Cuts at angles from 0° to 45°
- Lets you replace the blade from the front (same as Mantis 180W) - **C**
- Built-in brush for plastic waste (same as Mantis 180W) - **D**
- Reset switch for when overload protection kicks in - **E**
- Clamp to keep pipe in place - **F**



For  
10"  
PIPE



4751C1

Flat Vice Only



Cutting-length guide (475196)

### MANTIS 270A



Code No.	4751C1
Model	MANTIS XB270A
Cutting capacity	90° ROUND PIPE $\Phi$ 270/SQUARE PIPE 250/ ROUND BAR (MILD STEEL) $\Phi$ 40 45° ROUND PIPE $\Phi$ 170/SQUARE PIPE 150
Motor	Single phase 220 V (50/60 Hz), Split-phase Induction motor 250W (Output), 380/350W (50/60Hz : Input) with overload protection
Pulley speed (rpm)	70 (50 Hz), 84 (60 Hz)
Dimensions (mm)	L990 x W510 x H600
Weight (kg)	80
Standard accessories	14-tooth HSS blade (x1)(475270) Spanner for adjustment of vice angle, Wrench (19 mm) Hex key wrench 8 mm

#### Optional accessories

18-tooth HSS blade(475275)  
Cutting-length guide (475196)



Pipe support for 270A (4751Z9)



# MANTIS Series

## Features

### Safety

- Motor equipped with overload protector to prevent burning. Motor stops automatically after cutting.

### Easy operation

- Handle, knob and switch are all located at the front for easy operation. (Fig. 1)
- Replacement of saw blade is easy; just detach the front cover. (Fig. 2)
- Large wheels provide easy movement. (Fig. 3)

### XB125

Chain has auto-winding function for both easy set-up and protection from dirt. Quick, one-handed clamping. (Fig. 9)

### XB125 / XB120A / XB180WS / XB180WA

Contour function provides simple jigsaw or angled cutting. (Figs. 4-5)

### XB120A / XB180WA

Flat vice has angle adjustment function for precise angled cutting. (Fig. 10) Quick vice provides easy and fast clamping.

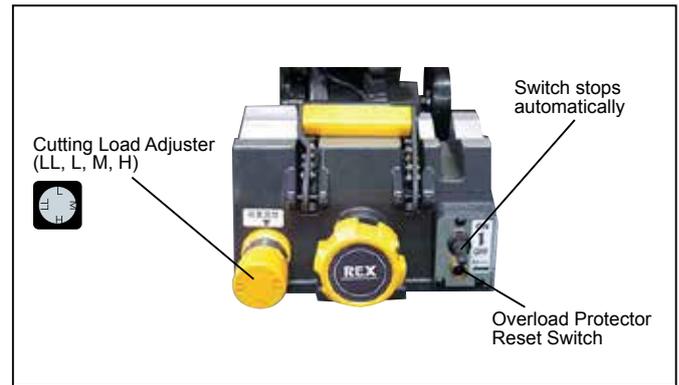


Fig.1 All cutting operations located at the front



Fig. 2 Easy replacement of spare saw blade



Fig. 3 Large wheels make it easy to move



Fig. 4 Contour cutting



Fig.5 Contour cutting for small steel material



Fig.6 Brush removes waste powder to reduce slippage of saw blade.



Fig. 7 Bundle cutting (Chain Vice)



Fig.8 Cutting Load Adjuster (LL, L, M, H)



Fig. 9 Auto-winding chain (XB125)



Fig. 10 Angled cutting (XB120A, XB180WA)



**Can be stored upright**  
Just needs an area the size of an A4 sheet of paper (approx. 200 x 300mm)



## Why Use a Band Saw?

With band saws:

- You can cut precise lengths easily.
- Cut right angles accurately; no problems with angled or stepped cutting.
- Cut plastic coated pipes smoothly. The XB-180W is equipped with a brush to clean off plastic waste. (Fig. 6)
- A change of blades allows you to cut from 2 mm thick stainless steel pipe to mild steel bars 80 mm in diameter. (Pg. 15)
- Different blades available for a variety of materials from steel and stainless steel to plastic, cast iron and mortar lined pipe. (Pg. 15)
- You can do bundle cutting (Fig.7), angled cutting (Fig. 10), and contour cutting. (Figs. 4-5)

# Cut thin stainless steel pipe using a very light load.

## XB180WS/XB180WA

### Two machines in one!

(Requires 24-tooth HSS saw blade)

Blade easily changed

For 6" PIPE

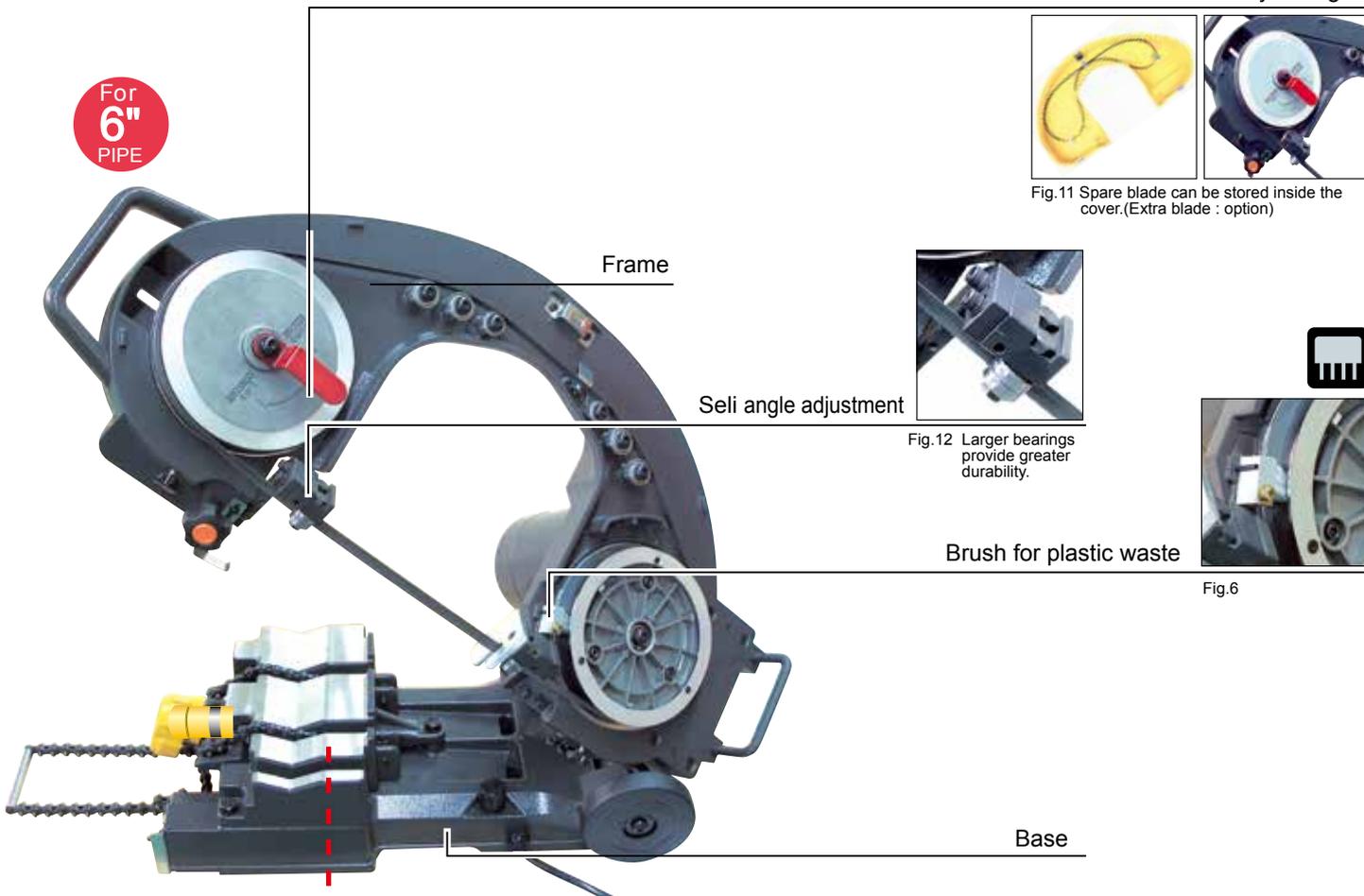


Fig.11 Spare blade can be stored inside the cover.(Extra blade : option)



Fig.12 Larger bearings provide greater durability.



Fig.6

#### Chain Vice Unit

Chain Vice Unit  
475190



**Chain Vice**  
XB180WS  
4751S1

#### Flat Vice Unit

Flat Vice Unit  
475192



**Flat Vice**  
XB180WA  
4751A1

Just three bolts needed to change the vice.

# MANTIS Series

## Mantis Saw Blades (Optional extras)

Be sure to use only recommended blades.

	Code No.	Material	No. of teeth (teeth / inch)	No. of blades included
XB125 XB120A	475302	Alloy	14	10
	475303		18	
	475312*	HSS (Bimetal)	14	5
	475313		18	
	475314		24	
XB180WS XB180WA	475200	Alloy	8	10
	475201		10	
	475202		14	
	475203		18	
	475204		24	
	475210	HSS (Bimetal)	10	5
	475211*		14	
	475212		18	
	475213		24	
475220	Grid saw	-		
XB270A	475270*	HSS (Bimetal)	14	5
	475275		18	5

\* Standard accessory

### REX Bandsaw Blades

**High-speed Blades:** Made of HSS Cobalt for durability, plasticity and resistance to high temperatures. Suitable for stainless steel and other materials that are difficult to cut.

**Alloy blades:** Suitable for common steel materials such as alloy tool steel, and special steel.

Note: Allow new blades to run in by making a few cuts first.

#### Effect of running in the blade

If you use a new blade to suddenly cut a workpiece, it can result in the teeth getting chipped and initial wear.

Running in the blade can greatly affect the life of the blade. It is particularly important in the case of pipe, shaped steel, small articles etc.

#### How to run in a new blade:

- Wipe off any oil or dirt before placing the blade in the unit.
- Set the cutting load adjustment dial to L, and cut some material once or twice.

**Running the machine for long periods of time without any material significantly shortens the life of saw blade.**



### Use: Cutting Steel & Stainless Steel materials



#### Grind Saws

- Produce dangerous sparks
- Are noisy
- Need your hand on the handle while cutting
- Blades limited to cutting 4" pipe

Fig.13



#### Band Saws

- No sparks
- Low level of noise
- Hands-free once set up
- Can cut pipe up to 6" in diameter

Fig.14

### CE version available.



Fig.15



CE version is available for XB180WS / WA

## Selecting the Cutting Load and Blade for XB-125 / 120A / 180WS / 180WA

Use the table below to select the blade and cutting load that are appropriate for the type, diameter, wall thickness etc. of the material to be cut.

Material		tooth	Alloy Blade					High-speed steel Blade				Grid saw
			8	10	14	18	24	10	14	18	24	
Steel pipe		8A - 25A (¼"-1")			L	L			L	L		
		32A - 80A (1¼"-3")			M	M			M	M		
		90A - 150A (3½"-6")			H	H			H	H		
Stainless steel	Schedule 40	8A - 25A (¼"-1")							L	L		
		32A - 80A (1¼"-3")							M	M		
		90A - 150A (3½"-6")							H	H		
	Thin wall stainless steel (SU pipe)	13 - 125Su									LL	
150Su									LL	L*3		
Plastic pipe (Polyethylene pipe / Vinyl chloride pipe)				LL	LL			LL	LL			
Conduit		Thick steel				M				M		
		Thin steel				L	L			L	L	
Cast iron pipe				H				H				
Mortar-lined cast-iron pipe											H	
Steel	Section steel	Thickness	≤ 1.9 mm					LL			LL	
			2 - 3.4 mm			L*1	L*2			L*1	L*2	
			3.5 - 4.9 mm			M*1	M			M	M	
			5 - 7.9 mm		M	H			M	H		
	≤ 8 mm		H	H			H	H				
	Round bar	Thickness	≤ 15 mm			M	M			M	M	
			16 - 50 mm*4			H				H		
			51 - 80 mm*1	H	H				H	H		

LL= ultra-light load L= light load M = medium load H = heavy load

- Notes:**
- The figures in the table are examples only. Select the blade and cutting load to match the actual material to be cut.
  - When selecting the proper number of teeth on the blade, use the following guideline: thickness of material = 2 teeth.
  - Depending on their composition or hardness, some materials are not applicable to the above table.

- \*1 XB180W only
- \*2 XB125/120A : M
- \*3 XB125/120A : LL
- \*4 XB125/120A : 16 - 60mm

### No. of notches to set the valve lever at when cutting (for XB270A)

Material			High-speed steel Blade		
			14	18	
			Valve lever notches		
Steel pipe		20A - 50A (¾"-2")	1-2	1-3	
		65A - 250A (2½"-10")	2-4	2-4	
Stainless steel	Schedule 40	20A - 50A (¾"-2")	1-2	1-3	
		65A - 250A (2½"-10")	2-4	2-4	
	Thin wall stainless steel (SU pipe)	20 - 25Su		0.5	
		30Su - 75Su		0.5-1	
		80Su - 125Su		1-2	
150Su		1-3			
Plastic pipe (Vinyl chloride / Polyethylene pipe)			1-2	1-2	
Cast iron pipe			2-4		
Steel	Section steel	Thickness	1 - 2 mm		0.5-1
			2 - 3 mm		1-3
			3 - 4 mm	1-2	1-3
			>= 4 mm	2-4	2-4
	Round bar	Thickness	<= 15 mm	1-2	1-3
			16 - 40 mm	2-4	

### Saw blade essentials

#### Two types available

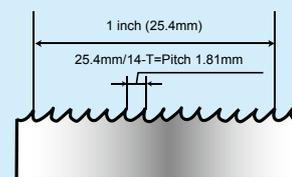
Alloy blade for steel pipe  
HSS blade for stainless steel pipe

#### What is the difference between the 14-tooth and the 18-tooth blade?

14-T: Provides a sharper, faster cut  
18-T: More precise for right angles but slower than the 14-T

#### What does "tooth" mean?

14-tooth means there are 14 teeth per inch (25.4mm).



# HYPER SAW

## Perfect for replacing pipes and demolition work!

Lightweight, Great Strength and Durability

### HYPER SAW XS150S

up to 200A ( 8" )



#### Standard Accessories:

Chain vice, Saw blades No. 22, No. 23 : one each, Hex-key wrench, Case

Code No.	380150	380160
Model	Hyper Saw XS150S	
Cutting capacity	Steel pipe : up to O. D. of 216 mm (200A : 8")*1 Stainless steel pipe : up to O. D. of 140 mm (125A : 5"), wall thickness : less than 3 mm *2	
Voltage (V)	100	220
Motor	Single phase series motor (50/60 Hz) Input 1200 W	
No. of Strokes (1/min)	950 - 2050 (stroke 26 mm)	
Main unit weight (kg)	4.0	

\*1 Saw blade No.24/381004 option required for cutting 200A pipe.

\*2 Thin saw blade saw-holder & thin saw blade (option) required for cutting stainless steel pipe.

### Hyper Saw Blades

**Cobra Blade: Curved shape provides greater speed.**

Thin blade		Thick blade	
Cobra Blade	Bi-metal Blade	Cobra Blade	HSS Saw Blade
380041	380033	380062	381002
380042	380034	380063	381003

### Hyper Saw Blades

	Code No.	Type (Product name)	Appropriate Pipe Size. A (inch)	Length (mm)	Teeth (per inch)	Thickness (mm)	Width (mm)	Material	Use	No. per pack
Thin blade	380041	Cobra Blade	No.41	up to 50 (2")	150	0.9	18	Blade : Matrix II Trunk : Alloy tool steel	Steel pipe Stainless steel pipe Mild steel materials	5
	380042		No.42	up to 100 (4")	200					
	380043		No.43	up to 50 (2")	150					
	380044		No.44	up to 100 (4")	200					
	380045		No.45	up to 125 (5")	250					
	380033	Bi-metal Blade	No.33	up to 50 (2")	150	18	Bi-metal blade Blade : Cobalt HSS Trunk : SUP (spring steel)	Steel pipe Stainless steel pipe Mild steel materials		
380034	No.34		up to 100 (4")	225						
380035	No.35		up to 50 (2")	150						
380036	No.36	up to 100 (4")	225							
Thick blade	380061	Cobra Blade	No.61	up to 80 (3")	200	1.6	25	Blade : Matrix II Trunk : Alloy tool steel	Steel /Cast iron pipe Stainless steel pipe Mild steel materials	5
	380062		No.62	up to 125 (5")	250					
	380063		No.63	up to 150 (6")	300					
	381001	HSS Saw Blade	No.21	up to 50 (2")	140			HSS	Steel /Cast iron pipe Mild steel materials	
	381002*		No.22	up to 100 (4")	200					
	381003*		No.23	up to 150 (6")	290					
381004	No.24	up to 200 (8")	320	10						
	381009	Thin saw blade holder	For Saw blades: No.41, No.42, No.43, No.44, No.45, No.33, No.34, No.35, No.36							1
	381007	Thick saw blade holder	For Saw blades: No.61, No.62, No. 63, No.21, No.22, No.23, No.24							1

\* Standard accessory for XS150S

Main body made of tempered steel, ensuring high durability and long life.

## CM Series CUTTER

15A-50A (1/2"-2")

- CM40 and CM50 models make even the narrowest of spaces accessible. These 4-wheel pipe cutters help you remove or repair pipes with ease.



CM50  
130500

**CM cutter with Bearings!  
Light and Easy!**



CM50RB  
131500

### Applicable Pipes: Steel Pipe

Code No.	Model	Cutting Capacity A (in.)
130400	CM 40	15 - 40 (1/2-1 1/2)
130500	CM 50	15 - 50 (1/2-2)
131500	CM 50RB	15 - 50 (1/2-2)
13P700	CM 40 Cutter Wheel	-
13P710	CM 50 Cutter Wheel	-
13P730	CM 50RB Cutter Wheel	-



13P730  
For CM 50RB

## C Series CUTTER

6A-100A (1/8"-4")

- C2 and C3 can be made to accept three cutter wheels by replacing roller and cutter wheel.



13P105  
For C1 / C2



C2  
1301P2



C2 3-Wheel Cutter  
1301PA



C4  
1301P4

### Applicable Pipes: Steel Pipe

Code No.	Model	Cutting Capacity A (in.)
1301P1	C1 Cutter	6 - 32 (1/8-1 1/4)
1301P2	C2 Cutter	6 - 50 (1/8 - 2)
1301PA	C2 3 Wheel Cutter	6 - 50 (1/8 - 2)
1301P3	C3 Cutter	25 - 80 (1 - 3)
1301PB	C3 3 Wheel Cutter	25 - 80 (1 - 3)
1301P4	C4 3 Wheel Cutter	65 - 100 (2 1/2-4)
13P105	C1/C2 Cutter Wheel	-
13P305	C3 Cutter Wheel	-
13P405	C4 Cutter Wheel	-

## LINK CUTTER

80A-250A (3"-10")

- An additional 70 mm over pipe circumference in three directions is sufficient to cut laid pipes.
- Easy to change size - just change the number of links.
- Clamp with ratchet wrench and move handle back and forth 60° to 100° to cut.



No. 10  
1302P2



13P605  
For No. 2



13P670  
For No. 10

### Applicable Pipes: No. 2: Cast Iron Pipe No. 10: Steel / Ductile Pipe

Code No.	Model	Cutting Capacity A (in.)
1301P8	No. 2 Link Cutter (Cast Iron Pipe)	75 - 200 (3 - 8)
1302P2	No.10 Link Cutter (Steel/Ductile Pipes)	80 - 250 (3-10)*
13P605	No. 2 Link Cutter Wheel	-
13P670	No.10 Link Cutter Wheel	-

\* Optional links up to 12" available (depends on pipe thickness)

## PE RB CUTTER

75A-150A (3"-6")



PE RB100-II  
311672



PE RB150  
311671

### Applicable Pipes: Polyethylene Pipe

Code No.	Model	Cutting Capacity A (in.)
311672	PE RB Cutter 100-II	75 - 100 (3 - 4)
311671	PE RB Cutter 150	120 - 150 (4 1/2 - 6)
311675	PE RB Cutter Wheel 100-II/150	-

# RB TUBE CUTTERS

## So light! So easy to use! – REX advanced roller system

Light, precise cutting of thin wall stainless steel (INOX) pipe attracts the piping world's attention.

### RB TUBE CUTTER

Φ3–Φ67

#### Ball bearings make the difference! Great cuts with the greatest of ease!

High-quality radial ball bearings enable REX RB tube cutters to cut with less effort than any previous models. Give them a try and see just how easy it is! Replace the blade with an SUS pipe blade and they can even cut thin wall stainless steel pipes.

\* SUS pipe replacement blades for Models 30, 42 and 67 sold separately.



Rollers with radial ball bearings (Model N42S)



RB22  
425122

N28S  
427228

N30S  
427630

N42S  
427642

N67S  
427667

Code No.	Model	Capacity (outside diameter) (mm)	Half Diameter of rolling (mm)	Length (mm)	Weight (g)	Number of Bearings	Applicable pipe			English Package
							Copper tube	Coated copper tube	Thin wall stainless steel pipe	
425122	RB22	3-22	43	57	130	5	●			
427128	N28	4-28	60	93	175	8	●			
427228	N28S							●		
427830	N30P	5-34	132	150	360	8	●	●		●
427630	N30S							●		
427842	N42P	6-42	150	180	400	8	●	●		●
427642	N42S							●		●
427342	N42M*							●		
427867	N67P	12-67	222-250	330	870	14	●	●		●
427667	N67S		223-251					●		●
427467	N67PE	12-65	253-257			12			●	
427367	N67M*	12-67						●		

\*grooving tool

### SPARE CUTTER WHEELS and ROLLER (with ball bearings)



N42P



N30P



N28



N28S



N67S

	Use	Code No.	For use with	Quantity per Package	English Package
Cutter Wheels	Copper tube only	424241	RB22	1	
		424231	RB28, N28	1	
		424232	RB30, RB42	1	
		424234	RB67	1	
	Copper tube and Coated copper tube	424242	RB30mini	1	
		424292	RB30P, RB42P N30P, N42P, N67P	1	●
PE tube		424236	RB67PE	1	
		424245	N67PE	1	
Thin wall stainless steel pipe		424240	RB28S, RB30miniS, N28S	1	
		424284	RB30S, RB42S N30S, N42S, N67S	1	●
		424286	RB67S	1	●
Roller	Thin wall stainless steel pipe (grooving)	424238	RB42M, N42M, N67M	1	
		424239	RB67M	1	

## Functions

### Designed to produce the finest cut possible!

REX RB Tube cutters offer a whole new level of performance. Rotating more easily than any cutter before, they make cutting a dream!

### Use less energy than ever!

Physical strength is no longer a requirement for efficient cutting, so just about anyone can use them.

### Five sizes, 12 models to suit practically any job

REX offers you a choice of 12 models for pipes ranging from 3 mm to 67 mm in diameter.

## Performance

### High-performance bearings

High-performance bearings are used in both the roller and blade, so the cutter turns easily with only slight force even with the cutting load applied.

### Ideal for copper or thin wall stainless steel pipes

Replacing the blade allows you to use the cutter for cutting thin-walled stainless steel pipes and, in the case of the Model N67PE, polyethylene (PE) pipes. (Replacement blades sold separately)

### Improved cutting performance

The use of ball bearings not only reduces cutting resistance but also dramatically improves cutting accuracy, the most important factor determining the quality of the finished cut.

## Design

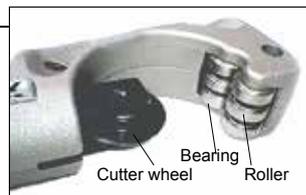
### Reflecting REX' commitment to top performance

These new cutters are the embodiment of REX' commitment to making user-friendly tools with a revolutionary new design, determined by analysing work tasks ergonomically. The cutters are designed to fit the hand perfectly, making it easy to use and preventing fatigue even when used repeatedly.

### Ease of use

### Universal design makes them easy for anyone to use

This range of cutters requires only half the cutting force of previous models and can be used to cut even short pipes that cannot be cut with conventional pipe cutters. The new range enables even inexperienced operators and those without great physical strength to make perfect cuts with minimum effort.



Bearings



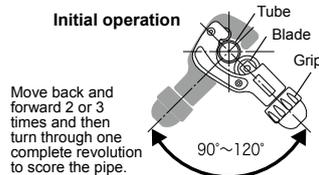
Ergonomic design



Cutting a short pipe

### The cutter turns easily, so the trick is not to apply too much force.

- Scoring the pipe by turning the cutter through one revolution makes a steady guideline for the cut.
  - Feed the cutter blade by turning the grip 1/8 of a turn for each full rotation of the cutter.
- Feeding the blade too much can affect the diameter and create burrs on the cut.



## Supplied in blister packs



N30P  
427830



N30S  
427630



N67P  
427867



N67S  
427667



Cutter Wheel  
for copper tube  
424292



Cutter Wheel  
for SUS pipe  
424284

## Bearings used in the axle shaft drastically reduce the workload, resulting in outstanding sharpness.

Since its appearance in the year 2000, the first generation of the RB Tube Cutter has continued to evolve, resulting in well over 200,000 units sold by March 2009. The current, second generation of the tool has been available since April 2009. The outstanding features of the cutter include its use of ball bearings. As a result of the ball bearings in the axle shaft, the cutting load has been reduced by half, greatly reducing the user's work load. This is particularly evident when cutting stainless steel pipe. The tool is ideal for at-site plumbing work on building utilities equipment, air-conditioning installations etc., cutting copper and stainless steel pipe with ease.

The 8 bearings in each unit provide an ease of use not previously seen in a tube cutter. The original model received a Good Design Award for its unique design. In the original model, the cutter was designed to look like connected pipes; the second generation cutter was slimmed down and enables you to put it in your pocket. And the subtle changes to the grip make it easier to use than before.

And another interesting feature is that the surface of the cutter isn't coated with paint; as the tool gets some pretty rough handling, our designers wanted to give it a more rugged feel and, at the same time, reduce the tool's environmental impact (an industry first).



Model 42 (top)  
Model 30 (bottom)

# A History of REX Threading Machines

• Miyagawa Tool Works and Main Products circa 1935



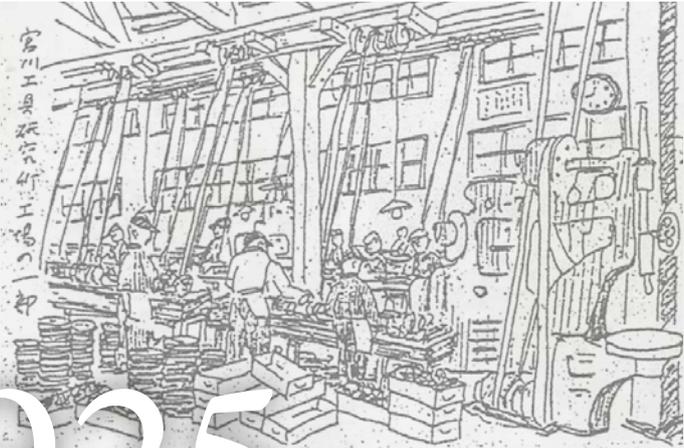
Miyagawa Tool Works (circa 1935)



Company premises and founder



Factory



# since 1925

Rex Factory around 1952  
As appeared in H.E.C (Handicapped Employment Campaign) Magazine No. 3

**Our manufacturing policy is based on the concept that product development starts with our customers - at site.**

## Products in the early days



- ① Hand grinder
- ② Cobra brand gasoline blow torch
- ③ Oster-type hand threader

Rex was originally established as "Miyagawa Tool Works" in Nishi-ku, Osaka in August 1925. The company had great success in producing the above products for the domestic market.

In 1946, shortly after World War II, the company started the development and domestic production of a ratchet hand threader.

In 1960, Rex began its first mass-production of electrical threading machines (No. 2 pipe machine). It was the first step in the move from hand to power threading machines.



Cutting machine designed for the M No. 6 threading machine. It had 4 bite blades and could cut stainless steel pipes

## Toward domestic production of electric power machines

In 1964, in the midst of high economic growth in Japan, we started sales of the M No. 6 Pipe machine, which enabled threading on 6" steel pipe - the maximum size of pipe that could be threaded at that time in Japan - so we are proud of our contribution to the construction of social infrastructure.

Following this, we introduced our 4" machine, then the 3" machine and, in 1975, our 1½" machine. In 1989, we introduced a ¾" machine, the smallest machine in the world, which was greeted with great acclaim and was highly evaluated by users of the time.



The M No. 6 threading machine, introduced in 1964, provided stable threading using the so-called "Master Threading Method", which was big news in the industry.

Transition to electric-powered threading machines

1963  
Fuji



1976-2001  
C82



20-25A

1989-2004  
N20A



1994-2001  
N25A



1999-  
NS25A



2018-  
F25A



40A

1975-1984  
Mini40A



1983-2005  
N40A



2005-  
S40A



50A

1960  
No.2



1971-1983  
Boya 50ADX



1979-2001  
60AⅢ



1983-1999  
N50A



1999-2008  
P50A



2008-  
NP50A



R50A



NR50A



80A

1967  
No.3



1972-1988  
Ushiwaka 80ADX



1980-  
90AⅢ



1988-2002  
N80A



2002-2011  
S80A



2011-  
NP80A



100A

1962  
Apollo 100A



1974-1985  
Apollo 100ADX



1985-  
N100A



150A

1974-  
(Taiyo) 150A

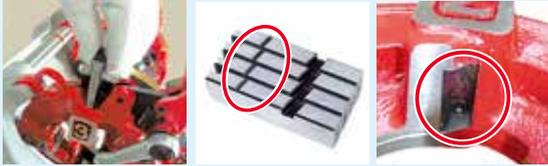


# Special features of REX Pipe Threading Machines

In addition to their precision, toughness and variety, Rex pipe threading machines offer these great features. Consumables can be replaced easily.

## EASY MAINTENANCE

### Easy to change the Dies

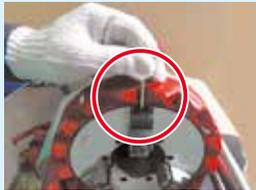


Dies can be changed without removing the die head from the machine.

Notches in the dies click into position against spring balls in the die head to allow you to easily confirm the dies have been installed correctly.

### Easy to change the Chuck Jaw Inserts

Chuck jaw inserts can easily be changed using a hexagonal wrench. It's not necessary to disassemble the chuck, so maintenance can easily be performed even at site.



### Easy to check and inspect the Oil Pump, too

Oil pump is readily accessible so it is easy to check. (Photo shows position of oil pump on a 2" machine)



### Easy to change the Carbon Brushes

Carbon brushes come with a stopper so that when they are worn the motor stops automatically, which avoids damaging it.



To access and replace the brushes, remove the side and bottom covers with a screwdriver. The brushes can be changed easily, even if they wear out while working at a construction site.



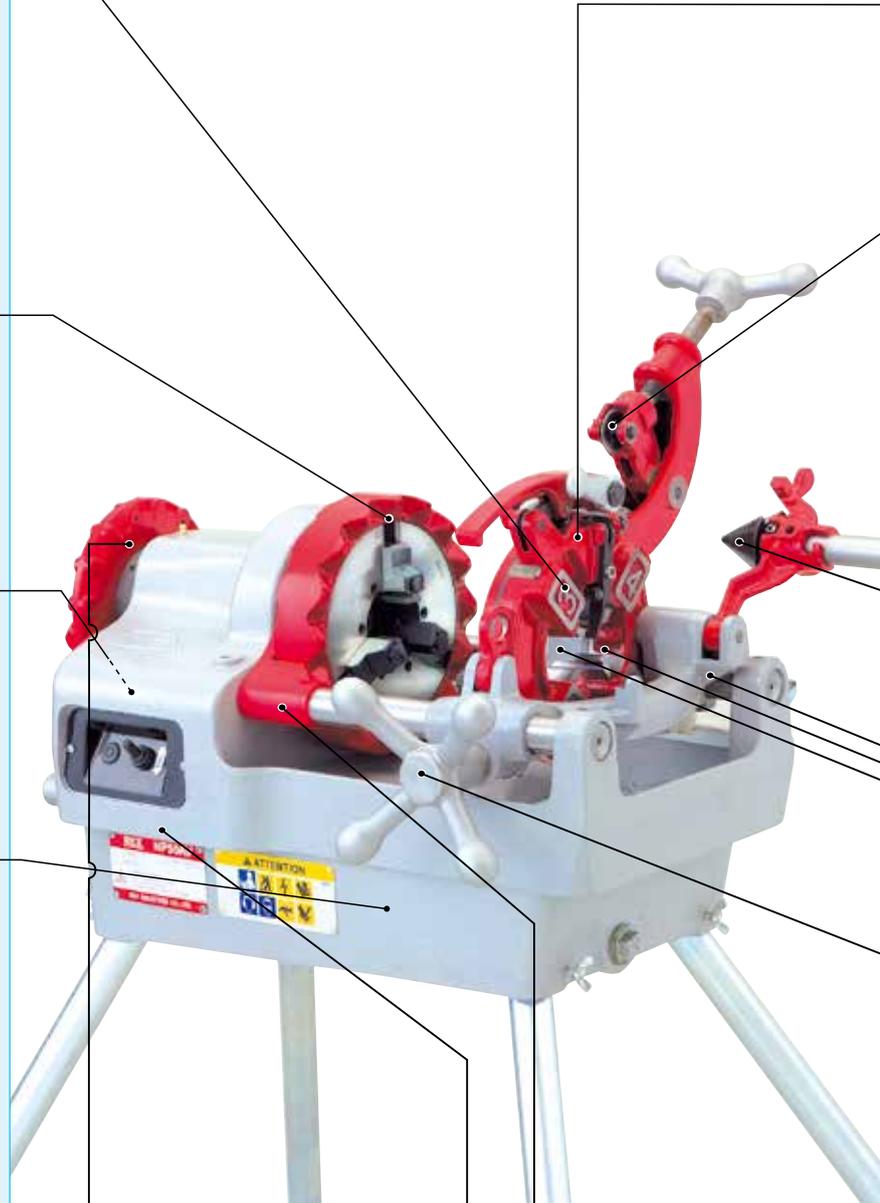
Side cover : Closed (A)  
Open (B)



Bottom



Side



• Rear chuck jaws do not come out, resulting in enhanced operator safety.

• Safety collar protects operator's fingers.

• Easy to carry



## COMPATIBILITY

- While there are differences in the types of die head, the dies for 1½" to 4" machines are mostly interchangeable.
- The ½" to 2" Manual DH, Uni-auto DH, NV-auto DH and Self-opening DH are compatible with the 50A, 80A and 100A.
- You can also attach REX portable groovers.

- The cutter wheels for the 40A, 50A, 80A, 100A and 150A are compatible.



Portable Groover M



Portable Groover H



16K030



Manual DH

Uni-auto DH

NV-auto DH



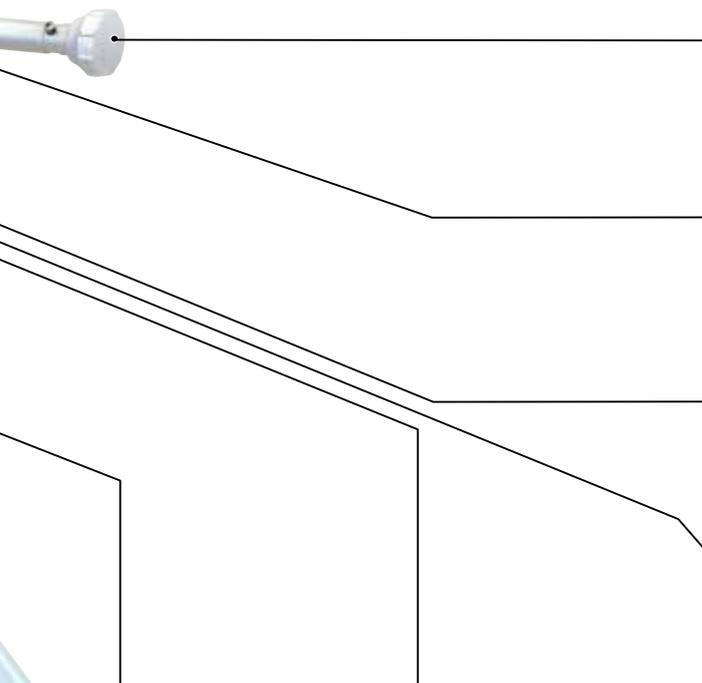
50A



80A



100A



- The reamer shaft has a long enough stroke to reach the pipe wherever it is, so reaming is very easy.
- Round cone stabilises reaming. (2 blades)
- You can regulate the amount of cutting oil so you needn't worry about it splashing about where you don't want it to.
- Two-step blade provides a stable bite allowing you to remove any external coating and cut the pipe at the same time (BSPT only).



- Carriage handle has four spokes for an easy, secure grip.



- Self-oiling function allows you to forget about oil flow when working with the machine.



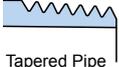
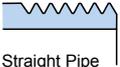
## USER FRIENDLY

# PIPE THREADING MACHINES

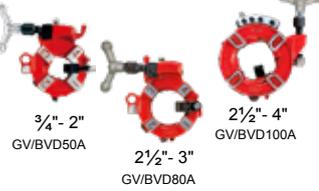
## Optional Equipment Chart

\*\* See the tables at P. 35 - 37.

\* Die head holder required. (see page 32)

	Capacity (in.)	Voltage	Weight (kg) w/o DH	Manual Die Head**	Uni-auto** Die Head	NV-auto** Die Head	Self-opening** Die Head
 <b>F25A</b>	¼ - 1	110 V, 120 V 220/230 V	19.8	¼"-1" BSPT NPT ⅜"-¾" BSW  MD25A	—	—	¼"-¾" ½"-1" BSPT NPT  SOD10A/25A
 <b>S40A</b>	¼ - 1½	110 V, 120 V	32	¼"-¾" BSPT NPT ⅜"-⅞" BSW  MD10A ½"-1½" BSPT NPT Metric UNC PF C  MD40A	 UAD40A ½"-1½" BSPT NPT		 SOD10A/25A* +Die head holder  SOD20A ½"-¾" BSPT NPT  SOD40A 1"-1½" BSPT
 <b>NP50A</b>	¼ - 2	110 V, 120 V 220/230 V	48	 MD10A  MD40A ½"-2" BSPT NPT BSW Metric UNC NPSM BSPP PF C  MD50A	 UAD50A ½"-2" BSPT NPT	 NVAD50A ½"-2" BSPT NPT	 SOD10A/25A* +Die head holder  SOD20A/40A 1"-2" BSPT NPT  SOD50A
 <b>NR50A</b>	¼ - 2	110 V, 120 V 220/230 V	48	½"-2" BSPT NPT  MD50A-R	 UAD50A-R*** ½"-2" BSPT NPT	 NVAD50A-R ½"-2" BSPT NPT	—
 <b>NP80A</b>	¼ - 3	110 V 220/230 V	67	 MD10A  MD40A  MD50A 2½"-3" BSPT NPT BSPP PF C  MD80A	 UAD50A ½"-2" BSPT NPT		 SOD10A/25A* +Die head holder  SOD20A/40A  SOD50A 2½"-3" BSPT  SOD80A
 <b>N100A</b>	¼ - 4	110 V, 120 V 220/230 V	123	 MD10A  MD50A  MD40A  MD80A 3½"-4" PF  MD100A***	 UAD50A ½"-2" BSPT NPT	 NVAD50A ½"-2" BSPT NPT	 SOD20A/40A  SOD50A 2½"-3" BSPT  SOD80A
 <b>150A</b>	2½ - 6	110 V, 120 V 220/230 V	170	—	—	—	—
Example of setting							
Cutaway view				BSPT NPT  Tapered Pipe	BSPP PF C NPSM  Straight Pipe	Metric BSW UNC  Straight Bolt	
Features				· Die head and dies for steel pipes and bars.			

\*\*\* discontinued

Profiling** Die Head	Roll Thread Head <i>For sale in Japan only</i>	Grooving / Beveling** Die Head	Portable Groover	Threader cart / Caster	CE Foot Switch Version
—	—	—	—	—	—
—	$\frac{3}{8}$ " $\frac{1}{2}$ " $\frac{3}{4}$ " BSPT  SRH-10A SRH-15A SRH-20A	—	—	—	—
—	$\frac{3}{8}$ " $\frac{1}{2}$ " $\frac{3}{4}$ " 1" BSPT  SRH-10A SRH-15A SRH-20A SRH-25A	 $\frac{3}{4}$ "- 2" GV/BVD50A	 RG-R0 with respective mount base M-R series	 Threader Cart* with respective adapter * discontinued	 Available
—	—	 RG-RH with respective mounting kit M-HR series			
$2\frac{1}{2}$ "-3" BSPT (Self-Profiling)  SPD80A	$\frac{3}{8}$ " $\frac{1}{2}$ " $\frac{3}{4}$ " 1" $1\frac{1}{4}$ " $1\frac{1}{2}$ " 2" BSPT  SRH-10A SRH-15A SRH-20A SRH-25A SRH-32A SRH-40A SRH-50A	 $\frac{3}{4}$ "- 2" $2\frac{1}{2}$ "- 3" GV/BVD50A      GV/BVD80A	 RG-RH with respective mounting kit M-HR series	 Wheel set	 Available
 SPD80A $2\frac{1}{2}$ "-4" BSPT NPT  PD100A	 SRH-10A SRH-15A SRH-20A SRH-25A SRH-32A SRH-40A SRH-50A	 $\frac{3}{4}$ "- 2" $2\frac{1}{2}$ "- 3" $2\frac{1}{2}$ "- 4" GV/BVD50A      GV/BVD80A      GV/BVD100A			
$2\frac{1}{2}$ "-4" BSPT NPT  PD100A-6" 5"-6" BSPT NPT  PD150A	—	 $2\frac{1}{2}$ "- 4"      5"- 6" GV/BVD100A      GV/BVD150A	—	 Wheel set	—
		 			
	<ul style="list-style-type: none"> <li>· Eco-friendly</li> <li>· Reduces costs</li> <li>· Damage-resistant</li> <li>· Rust-resistant</li> <li>· Leak-resistant</li> </ul>	Grooving dies for making grooves in internally lined steel pipes and thick-walled pipes. Beveling dies for reaming welded pipes.	Plasticity processing increases strength. For coupling joints.		

# NP50A / NR50A Series

8A - 50A (1/4" - 2")

Standard Model 1/2"-2"

## A best seller among compact machines!

- Small but powerful 700 W series motor.
- Easy to use, high productivity, excellent portability - only 48 kg.
- Pipe size can be adjusted simply by turning the lever nut.
- Thread length can be adjusted by just changing the lever contact (except Manual Die Head)
- NR50A and NR50AV supports #300 die heads and dies.



NP50AV  
218231



NR50AV  
218211



Manual Die Head    NV-auto Die Head    Uni-auto Die Head



Manual Die Head    NV-auto Die Head

### Standard Accessories:

- Carbon Brushes 1 pair, Cutting Oil (50W-R) 2 L
- Hex key-wrench 3-4-5-6 mm, Dies 1/2"-3/4", 1"-2" 1 set each
- Die Head 1/2"-2"



5075 Roller Blade for PLP (option)

	Code No.	Model	Voltage	Rotation	Dies type	Die Head	Remarks
NP50A	218620	NP50A	220 V	R only	BSPT	Manual 1/2" - 2"	
	218621	NP50A	110 V	R only	BSPT	Manual 1/2" - 2"	no legs
	218231	NP50AV	220 V	R only	BSPT	NV-auto 1/2" - 2"	
NP50AV	218235	NP50AV	220 V	R only	NPT	NV-auto 1/2" - 2"	
	218232	NP50AV CE	230 V	R/L	BSPT	NV-auto 1/2" - 2"	with Foot Switch
	218233	NP50AV	110 V	R only	BSPT	NV-auto 1/2" - 2"	no legs
	218234	NP50AV	220 V	R only	BSPT	Uni-auto 1/2" - 2"	PLP
	218237	NP50AV CE	110 V	R/L	BSPT	NV-auto 1/2" - 2"	with Foot Switch
	218238	NP50AV	220 V	R only	BSPT	Uni-auto 1/2" - 2"	
	218240	NP50AV	220 V	R only	BSPT	NV-auto 1/2" - 2"	G-plug
NR50A*	218211	NR50AV	220 V	R only	BSPT	NV-auto R 1/2" - 2"	
	218214	NR50AV	220 V	R only	NPT	NV-auto R 1/2" - 2"	
	218216	NR50AV	220 V	R only	BSPT	NV-auto R 1/2" - 2"	G-plug
	218212	NR50AV CE	230 V	R/L	BSPT	NV-auto R 1/2" - 2"	with Foot Switch
	218215	NR50AV	120 V	R only	NPT	NV-auto R 1/2" - 2"	
NR50A*	218213	NR50AV CE	110 V	R/L	BSPT	NV-auto R 1/2" - 2"	with Foot Switch
	218650	NR50A CE	110 V	R/L	BSPT	Manual R 1/2" - 2"	with Foot Switch

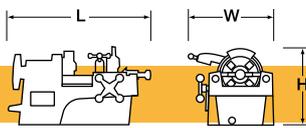


NP50AV CE  
218232

\*Caution: The NR50A and NR50AV do not support die heads and dies of other REX models.

Threading Capacity (in.)	Motor Voltage (50/60 Hz) AC (V)	Motor Single-Phase (Series)	Rotation Speed (Unloaded) (rpm)	Weight** (kg)	Dimensions L x W x H (mm)
1/4 - 2	110-120 or 220-230	Input 1600 W Output 1000 W	39	48	700 x 440 x 408

\*\* without DH



# NP80A Series

8A - 80A (1/4" - 3")

Standard Model 1/2"-3"

## A machine that gives you the best finish you've ever seen!

Based on a totally new concept, the NP80A is designed to be user-friendly, easily maintained and completely reliable. A machine you can really trust. Easy to use, high productivity, excellent portability. A machine that gives you total control and satisfaction on the job.



NV-auto Die Head  
(for 1/2"-2" pipe)  
NP80AV/AVIII

Makes a smooth, beautifully finished tapered thread with ease.



NP80A  
274670



NP80A CE  
274672

### Standard Accessories:

- Carbon Brushes 1 pair, Cutting Oil (50W-R) 4 L
- Hex key-wrench 3-4-5-6 mm, Dies 1/2"-3/4", 1"-2", 2 1/2"-3" 1 set each
- Die Head 1/2"-2", 2 1/2"-3" one each



Manual Die Head  
(for 1/2"-2" pipe)  
NP80A



Manual Die Head  
(for 2 1/2"-3" pipe)  
NP80A/AV



Uni-auto Die Head  
(for 1/2"-2" pipe)  
NP80AV/AVIII



Self-opening Die Head  
(for 2 1/2"-3" pipe)  
NP80AVIII



The die head is fitted with a micro fine-adjustment dial to simplify fine-adjustment of the thread for each size of pipe. (Self-opening Die Head)

	Code No.	Model	Voltage	Rotation	Dies type	Die Head	Remarks
NP80A	274670	NP80A	220 V	R only	BSPT	Manual 1/2" - 2" + Manual 2 1/2" - 3"	
	274672	NP80A CE	110 V	R/L	BSPT	Manual 1/2" - 2" + Manual 2 1/2" - 3"	with Foot Switch
	274673	NP80A	110 V	R only	BSPT	Manual 1/2" - 2" + Manual 2 1/2" - 3"	no legs
NP80AV	274750	NP80AV	220 V	R only	BSPT	NV-auto 1/2" - 2" + Manual 2 1/2" - 3"	G-plug
	274751	NP80AV CE	230 V	R/L	BSPT	NV-auto 1/2" - 2" + Manual 2 1/2" - 3"	with Foot Switch
	274752	NP80AV	220 V	R only	BSPT	Uni-auto 1/2" - 2" + Manual 2 1/2" - 3"	
	274753	NP80AV	220 V	R only	NPT	NV-auto 1/2" - 2" + Manual 2 1/2" - 3"	
	274754	NP80AV	220 V	R only	BSPT	NV-auto 1/2" - 2" + Manual 2 1/2" - 3"	
NP80AV III	274701	NP80AVIII CE	230 V	R/L	BSPT	NV-auto 1/2" - 2" + Self-opening 2 1/2" - 3"	with Foot Switch
	274702	NP80AVIII	220 V	R only	BSPT	Uni-auto 1/2" - 2" + Self-opening 2 1/2" - 3"	

Threading Capacity (in.)	Voltage (50/60 Hz) AC (V)	Motor Single-Phase (Series)	Rotation Speed (Unloaded) (rpm)	Weight* (kg)	Dimensions L x W x H (mm)
1/4 - 3	110-120 or 220-230	Input 1600 W Output 1000 W	29	67	690 x 490 x 423

\* without DH

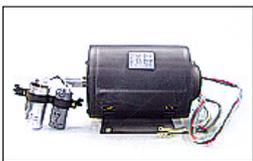
# N100A

8A - 100A (1/4" - 4")

Standard Model 1/2"-4"

## Efficient 3-speed transmission speeds up your work.

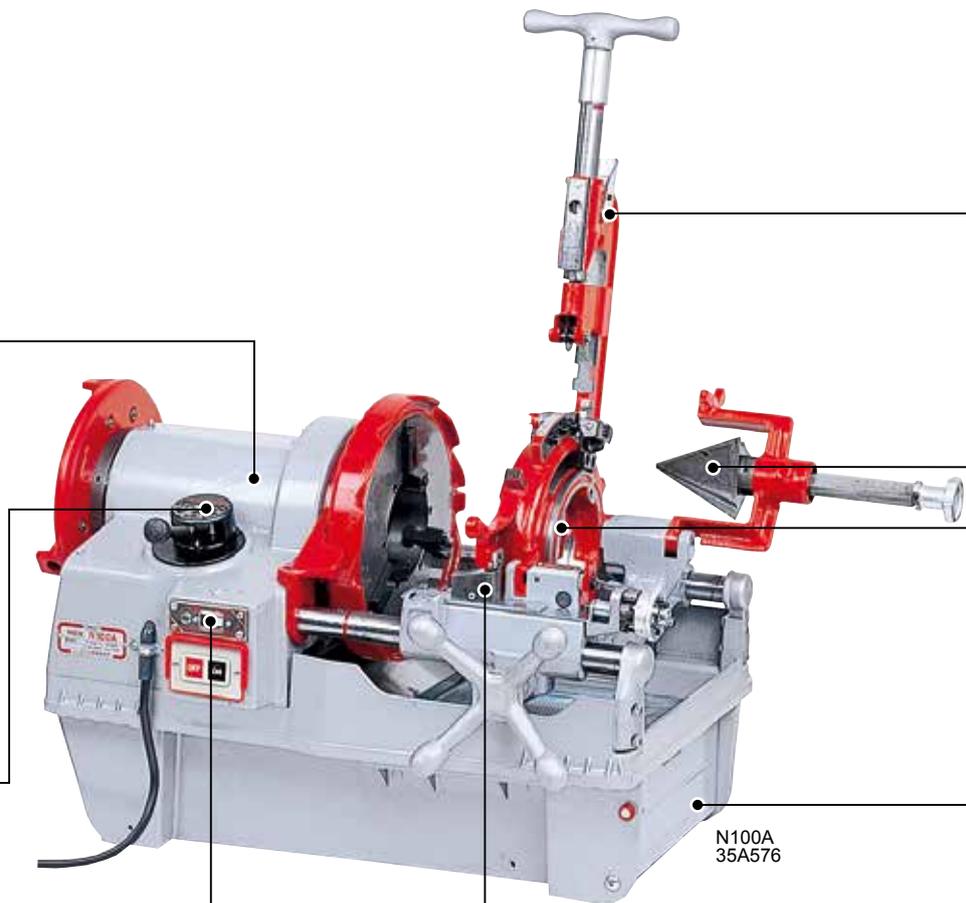
- Less than 100 sec to make a perfect 4" pipe taper thread. Less than 20 sec for a 1" pipe taper thread.
- Uni-auto Die Head for 1/2" - 2" pipe. Dies are compatible with NP50A/NP80A Manual Die Heads and Uni-auto Die Heads.
- Profiling Die Head for 2 1/2" - 4" pipe. REX original profiling system enables precise, straight tapers, with 20 mm dies performing at higher speed and requiring less power consumption.
- Quick adjustable cutter.
- Quiet, maintenance-free condenser motor.
- Built-in tool box is convenient for on-site work.
- Large-capacity scrap catcher.
- Threading size, thread length, and microfine adjustment of thread diameter can all be adjusted easily.
- Compact and lightweight for its class (123 kg), it can be set up by just two people.
- NV-auto and Manual Die Heads can be mounted as options.



The condenser motor is quiet yet very powerful. As it does not use carbon brushes, it is basically maintenance free.

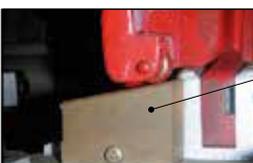


A choice of 3 speeds enables you to select the best speed for the size of pipe.



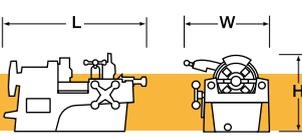
N100A  
35A576

Model with voltage shift switch available. (35A576/35A602)



J109  
Profiling board  
for NPSM: option

With REX' original profiling system, you can make accurate tapers and easily adjust thread length.



The cutter has a built-in function for quick adjustment to the pipe diameter.



Round cone based reamer (2 blades)



With 20 mm-wide profiling dies, the load is reduced, which makes it easy on the motor.



Built-in tool box

### BLADE-TYPE CUTTER (Option)

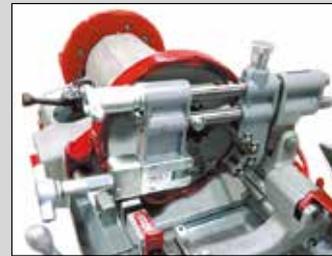
Blade-type cutter for plastic lined pipe, and hard and thick pipe



13MP10



Blade 13E846



Blade-type cutter on N100A



Uni-auto Die Head (for 1/2"-2" pipe)



Profiling Die Head (for 2 1/2"-4" pipe)



N100A CE 35A513

#### Standard Accessories:

- Cutting Oil (246-R or 50W-R) 4 L
- Hex key-wrench 3-4-5-6-8 mm, Dies 1/2"-3/4", 1"-2", 2 1/2"-4" 1 set each
- Die Head 1/2"-2", 2 1/2"-4" one each

Code No.	Voltage	Dies type	Remarks
35A570	220 V 50 Hz	BSPT	
35A576	110/220 V 60 Hz	BSPT	
35A578	110 V 60 Hz	BSPT	no legs
35A580	220 V 50/60 Hz	NPT	
35A591	220 V 60 Hz	BSPT	G-plug
35A599	120 V 60 Hz	NPT	
35A513	230 V 50 Hz	BSPT	CE+Foot Switch
35A602	110/220 V 50 Hz	BSPT	CE+Foot Switch
35A5H0	230 V 50 Hz	NPT	CE+Foot Switch

• Die Head: Uni-auto 1/2" -2" + Profiling 2 1/2" -4"

Threading Capacity (in.)	Voltage (50 or 60 Hz) AC (V)	Motor Single-Phase (Condenser)	Rotation Speed (Unloaded) (rpm)	Weight* (kg)	Dimensions L x W x H (mm)
1/4 - 4	110/220 - 230 or 120	Output 750 W or 1000 W	43 (1/2" - 3/4")	123	873 x 635 x 558
			24 (1" - 2")		
			13 (2 1/2" - 4")		

\* without DH

**NEW**

# F25A Series

8A - 25A (1/4" - 1")

Standard Model 1/2"-1"

## A threading machine you can carry with just one hand!

The mighty lightweight, built in safety features, too

### Features

- Compact, lightweight, fast threading
- Double insulation motor employs a break to enhance safety.
- Optional self-opening die head for 1/4"-3/4" available

### Operability

- Powerful Motor completes a 1" thread in only 16 seconds.
- Special ball bearings used for the main shaft bearing.
- Larger stroke for carriage move
- Carriage handle designed for easy operation
- Excellent durability provides improved machine service life and precision.

### Safety

- Motor has a built-in brake designed to prevent entangling.
- Switch mechanism protects die head from colliding with the hand wheel when threading short pipes.
- Double insulation motor
- Motor equipped with auto-stop carbon brushes
- Low centre of gravity designed for safety



Self-opening Die Head for F/NS25A



Manual-opening Die Head for F/NS25A



F25AIII 205161

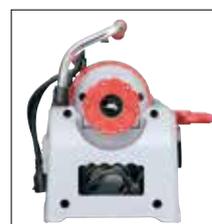
### Standard Accessories:

- Carbon Brushes 1 pair, Cutting Oil (50W-R 1L x 2 or 100SW-R 0.5L x 4)
- Hex Key-wrench 3-5 mm, Dies 1/2"-3/4", 1" 1 set each
- Die Head 1/2"-1"

	Code No.	Die Head	Voltage	Dies type
F25A	205151	Manual 1/4" - 1"	220 V	BSPT
	205153	Manual C19 - 39	220 V	C (conduit)
F25AIII	205160	Self-opening 1/2" - 1"	110 V	BSPT / HSS
	205161	Self-opening 1/2" - 1"	220 V	BSPT



Anti-crash switch: Switch protects die head from touching hand wheel



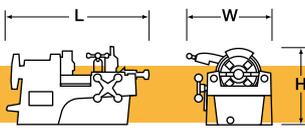
Cord storage pocket functions as hand grip, too



Easy to carry

Threading Capacity (in.)	Voltage (50/60 Hz) AC (V)	Motor Single-Phase (Series)	Rotation Speed (Unloaded) (rpm)	Weight* (kg)	Dimensions L x W x H (mm)
1/4 - 1	110-120 or 220	Output 400 W	55	19.8	440 x 329 x 356

\* without DH



# S40A

8A - 40A (1/4" - 1 1/2")

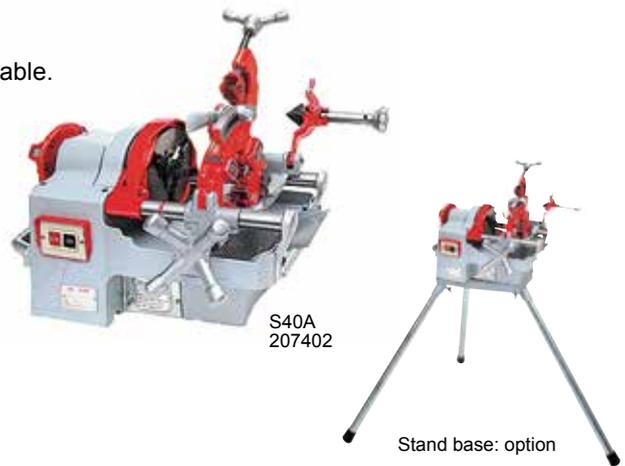
Standard Model 1/2"-1 1/2"

## The lighter touch!

- Small but powerful 500 W series motor.
- Easy to use, high productivity, excellent portability.
- Both Manual Opening (S40A) and Uni-auto (S40AV) Die Heads available.
- Pipe size can be adjusted simply by turning the lever nut.
- Thread length can be adjusted just by changing the lever contact. (Uni-auto Die Head)
- Die-cast body allows high precision and stable threading.
- A machine backed by a history of perfection.

### Standard Accessories:

- Carbon Brushes 1 pair, Cutting Oil (50W-R) 2L · Die Head 1/2"-1 1/2"
- Hex Key-wrench 3-5mm, Dies 1/2"-3/4", 1"-1 1/2" 1 set each



	Code No.	Die Head	Voltage	Dies type
S40A	207402	Manual 1/2" - 1 1/2"	110 V	BSPT / SUS
S40AV	207540	Uni-auto 1/2" - 1 1/2"	110 V	BSPT / SUS

Threading Capacity (in.)	Voltage (50/60 Hz) AC (V)	Motor Single-Phase (Series)	Rotation Speed (Unloaded) (rpm)	Weight* (kg)	Dimensions L x W x H (mm)
1/4 - 1 1/2	110	Output 500 W	56	32	540 x 345 x 355

\* without DH

# 150A

65A - 150A (2 1/2" - 6")

## Large-diameter pipe threading machine.

- Uses condenser motor for quiet operation.
- Efficient 2-speed transmission speeds up work.
- Powerful hammer chuck holds large-diameter pipes securely.
- Uses notch profiling die head, suitable for threading large-diameter pipes.
- The notch profiling die head has low cutting resistance for optimum threading of large-diameter pipes.
- Threading size, thread length and microfine adjustment of thread diameter can all be adjusted easily.

A129 Profiling board for NPSM: Option



### Standard Accessories:

- Cutting Oil (246-R or 50W-R) 4 L
- Hex key-wrench 3-4-5-6-8 mm, Dies 2 1/2"-4", 5"-6" 1 set each
- Die head 2 1/2"-4", 5"-6" one each
- 4 legs



Profiling Die Head (for 2 1/2"-4" pipe)



Profiling Die Head (for 5"-6" pipe)

Code No.	Voltage	Dies type	Remarks
366500	220 V 50Hz	BSPT	
366602	220 V 60Hz	BSPT	G-plug
366616	220 V 60Hz	NPT	
366617	120 V 60Hz	NPT	

· Die head: Profiling 2 1/2" - 4" + Profiling 5" - 6"



Blade-type cutter (Option) 13MP15

Blade: 13E846

Threading Capacity (in.)	Voltage (50 or 60 Hz) AC (V)	Motor Single-Phase (Condenser)	Rotation Speed (Unloaded) (rpm)	Weight* (kg)	Dimensions L x W x H (mm)
2 1/2 - 6	120 or 220	Output 750 W	2 1/2" - 3" : 18 (50Hz) , 22 (60Hz)	170	930 x 688 x 590
			3 1/2" - 6" : 6 (50Hz) , 7 (60Hz)		

\* without DH

# Optional Accessories

## CASTERS, THREADER CART



Code No.	Model	Remarks
1702AJ	N100A Caster	for N100A
1702AU	150A Caster	for 150A
170245*	Threader Cart	without Adapter
170255*	Adapter P50A	for N50A / P50A / R50A
170266*	Adapter NP50A	for NP50A / NR50A
170265*	Adapter S80A	for N80A / S80A / NP80A

\* discontinued



## CUTTER WHEELS for threading machines



Code No.	Model	Use
135076	Cutter Wheel for threading machines 40A-150A	Steel pipe
135070	Cutter Wheel for threading machines 20A-25A	
135077	Cutter Wheel for stainless steel pipes 40A-150A	Stainless steel pipe
135071	Cutter Wheel for stainless steel pipes 20A-25A	

## MAGNETER



The most suitable tool for removing scrap from the machine oil tank (Magnet).

Code No.	Model	Dimensions (mm)	Weight (g)
17027A	Magnet	Φ60 x Φ98 x 198	270

## 1/4" - 3/8" Die-head Holder

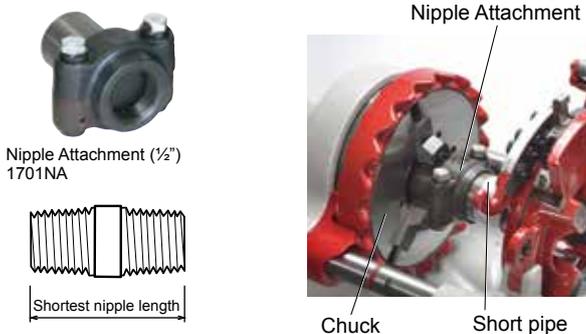
Enables 1/4" - 3/8" self-opening die heads to be used on your existing 40A-100A machines.



Code No.	Model	Appropriate machine
170020	1/4" - 3/8" Die-head Holder	S40A, P50A, NP50A, S80A, NP80A, N100A

## NIPPLE ATTACHMENTS

15A - 100A (1/2" - 4")



Saves wasting short pipes. Suitable for internally coated pipes.

Code No.		Model	Size	Shortest length(mm)	Weight (kg)
BSPT	NPT				
1701NL	—	Nipple attachment 3/8"	10A	55	1.5
1701NA	1701N0	Nipple attachment 1/2"	15A	45	1.5
1701NB	1701N1	Nipple attachment 3/4"	20A	50	1.5
1701NC	1701N2	Nipple attachment 1"	25A	55	1.5
1701ND	1701N3	Nipple attachment 1 1/4"	32A	65	1.9
1701NE	1701N4	Nipple attachment 1 1/2"	40A	65	1.9
1701NF	1701N5	Nipple attachment 2"	50A	70	2.0
1701NG	1701N6	Nipple attachment 2 1/2"	65A	75	3.2
1701NH	1701N7	Nipple attachment 3"	80A	80	3.5
1701NK	1701N9	Nipple attachment 4"	100A	100	4.6
—	—	Nipple attachment T-wrench	M10x17	—	—

# THREAD GAUGES

15A - 150A (1/2" - 6")



Thread Gauge set (1/2"-1")  
473001



• Refer to Pg. 67 (Thread Inspection) for how to use the thread gauge

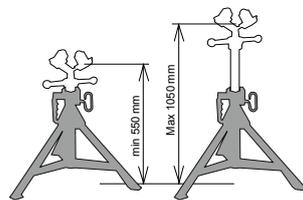
For checking male taper threads BSPT.

Code No.	Model	Size
473001	Thread Gauge Set 1/2"-1"	15A, 20A, 25A with metal case
473002	Thread Gauge Set 1/2"- 2" **	15A, 20A, 25A, 32A, 40A, 50A
473010	Thread Gauge 1/2"	15A
473011	Thread Gauge 3/4"	20A
473012	Thread Gauge 1"	25A
473013	Thread Gauge 1 1/4"	32A
473014	Thread Gauge 1 1/2"	40A
473015	Thread Gauge 2"	50A
473016	Thread Gauge 2 1/2"	65A
473017	Thread Gauge 3"	80A
473019	Thread Gauge 4"	100A
473020*	Thread Gauge 5"	125A
473021*	Thread Gauge 6"	150A

\* Produced to order    \*\* with plastic case

## PIPE SUPPORT HG200

25A - 200A (1" - 8")



Code No.	Model	Height (mm)	Applicable Pipe (in.)
170071	Pipe Support HG200	550 - 1050	1 - 8

## PIPE SUPPORT LG150/LG300

25A - 300A (1" - 12")



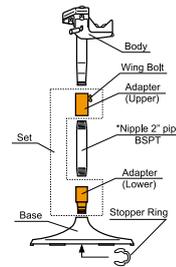
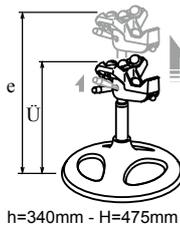
Code No.	Model	Height (mm)	Applicable Pipe (in.)
341109	Pipe Support LG150	629.5 - 794.5	1 - 6
341110	Pipe Support LG300	471 - 668	8 - 12

## Hi-SUPPORT III HS-150

25A - 150A (1" - 6")

Height can easily be adjusted with strangle lever thanks to a special gas spring.

Option ADAPTER III for Hi-Support III



\*Use an available 2" pipe to extend the height freely. (Ask for details)

Code No.	Model	Height (mm)	Applicable Pipe (in.)
170051	Hi-Support III HS-150	340 - 475	1 - 6
170057	ADAPTER III	-	-

## F/NS25A SUPPORT

8A - 25A (1/4" - 1")



NS25A Support  
170030

Code No.	Model	Height (mm)	Applicable Pipe (in.)
170030	NS25A Support	165 - 230	1/4 - 1

# Optional Accessories

## Chuck Jaw Insert Table

Chuck Type	Chuck jaw insert type	Image	Current Machine	Old Machine
RT-type	RT50A-80A (70RT)		-	32A 60A III 50ADX N50A Non-CE N80A Non-CE S80A Non-CE
	RT100A-150A (A0RT)		N100A Non-CE 150A	100ADX
	NS type (G0NS)		F25A/NS25A	N40A CE
	RS type 100A-150A (A0RS)		N100A CE	-
K-type	S type 40A-90A (70KS)		NP50A NR50A NP80A	N50A CE R50A(V) 60A III TW mini 40A after Jun 1983 S80A CE, TW

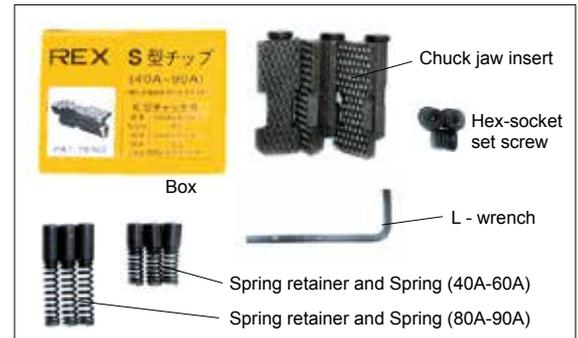
Current Machine	Brush Code
NS25A, S40A	MYM2
NP/NR50A, NPG150, NP80A	PMM10
RG150	FM10

Old Machine	Brush Code
N25A	TYM2
N40A	GM10
N50A, P50A, R50A	NM10
N80A, S80A	FM10
80ADX	7M10



### 70KS Chuck Jaw Insert Set



## SCRAPER

Enables clean reaming on the inside of cut pipe



Code No.	Model	Use
471991	Scraper	for Steel pipe, Copper tube
471992	Blade for Scraper (10pcs/pack)	

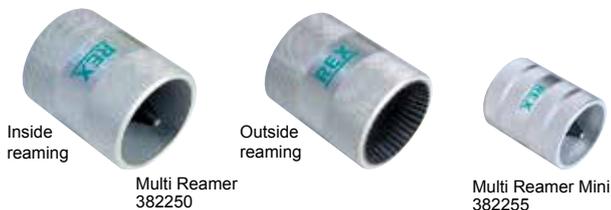
## MULTI REAMER

Φ8 - Φ54

40 blades, high durability!

Reaming both inside and outside of pipe / tube.

Applicable pipe: Stainless steel pipe, Copper tube, Aluminium pipe, Steel pipe, and Plastic pipe.



Code No.	Model	Capacity	Weight (g)
382250	Multi Reamer	Φ10 - Φ54	390
382255	Multi Reamer Mini	Φ8 - Φ30	210

## CUTTING OIL - PROVIDES SUPERIOR COOLING

4, 16, 18, 200 L

Cutting oil cools the workpiece to produce a superior threading finish.

Genuine REX Cutting Oil for REX Pipe Threading Machines



Using the right oil means consistent finishes and increases the life of the dies. (Refer to Pg. 61)

REX cutting oil does not use environmental endocrine disrupters stated in the PRTR protocol\* (June, 2002) .

\* PRTR: (Pollutant Release and Transfer Register )

·You can download SDS (Safety Data Sheet) regarding REX Thread Cutting Oil from REX' homepage ([www.rexind.co.jp](http://www.rexind.co.jp)).



(JWWA K-137)  
Japan Water Works  
Association Standard



183003



183001

### 50W-R

Water washable, suitable for mains water pipes that need washing after threading.



183012



183011

### 100SW-R

A special oil developed for use with stainless steel pipes requiring an extremely high lubrication oil.



186610



181613

### 246-R

An oil for general plumbing use suitable for both lubricating and cooling. Especially useful when cutting at low speed.

Code No.	Name	Quantity	Remarks
181613	246-R	4 L	Standard
186610	246-R	18 L	
186611	246-R	200 L	
181714	N246	200 L	Special export
183001	50W-R	4 L	Water washable
183003	50W-R	16 L	
183004	50W-R	200 L	
181703	N50W	16 L	Water washable Special export
181704	N50W	200 L	
183011	100SW-R	4 L	For Stainless Steel Pipe only
183012	100SW-R	16 L	
183013	100SW-R	200 L	

### Compatibility table

Model		50W-R	N50W	246-R	N246	100SW-R
Use	Stainless Steel Pipe					●
	General Plumbing	●	●	●	●	
	Mains Water Supply	●	●			
Special Functions	Threading Finish	●	●	●	●	●
	Pipe Washing Finish	●	●			●
	Cooling	●	●	●	●	●
	Lubrication	●	●	●	●	●
SDS		●	●	●	●	●

## Compatibility Tables

	Compatibility	(Old model)
S40A		(N40A)
NP50A		(N50A, P50A)
NP80A		(N80A, S80A)
N100A		

Colour shows compatibility with various machines.

## 40A-100A (Except R50A / NR50A)

## Die Head Table

Thread Type	Die Head Type	Capacity	Code No.	Plate	Width
BSPT	Manual	1/4" - 3/8"	290000 *1	B238	23 mm
		1/2" - 1 1/2"	290820 *2	L290	27 mm
			295633 *3	G891	27 mm
		1/2" - 2"	295649 **32	2904	27 mm
			295643 *5	L291	27 mm
		1" - 2"	295652 *6	G892	27 mm
			290020	L292	27 mm
	2 1/2" - 3"	290030 **38	L293	27 mm	
		295660 *4	L181	27 mm	
	Uni-Auto	1/2" - 1 1/2"	292820	G830	27 mm
		1/2" - 2"	292810 *31	N731	27 mm
	NV-Auto	1/2" - 2"	292814 *40	NR56	27 mm
		Self-Open	1/2" - 3/4"	292850 *20	7747
	1" - 1 1/2"		29A870	G831	27 mm
	1" - 2"		292020 *21	L189	38 mm
	Self-Profiling	2 1/2" - 3"	292030 **33	7744	38 mm
		29A901	7744	27 mm SP	
Profiling	2 1/2" - 4"	293040 **34	J079	20 mm	
	Manual	1/4" - 3/8"	290000 *1	B238	23 mm
1/4" - 1 1/2"		295630	9203	27 mm	
1/4" - 2"		295655	N740	27 mm	
1/2" - 1 1/2"		295633 *3	G891	27 mm	
		295652 *6	G892	27 mm	
1/2" - 2"		295643 *5	L291	27 mm	
2 1/2" - 3"	295660 *4	L181	27 mm		
	Uni-Auto	1/2" - 2"	292812 **36	N731	27 mm
292810 *31		N731	27 mm		
NV-Auto	1/2" - 2"	292816 **41	NR56	27 mm	
	Self-Open	1/2" - 3/4"	292850 *20	7747	27 mm
1" - 2"		292020 *21	L189	38 mm	
Profiling	2 1/2" - 4"	293050 **37	J102	20 mm	
	Manual	1/2" - 2"	295656 -	L182	27 mm
BSW		Manual	W5/16" - 7/8"	290000 *1	B238
	W1" - 1 1/4"		290820 *2	L290	27 mm
			295643 *5	L291	27 mm
UNC	Manual	5/16" - 1 1/2"	29562U	G841	27 mm
		5/16" - 2"	29001B	9204	27 mm
Metric	Manual	M8 - 45	29082A	G842	27 mm
		M8 - 52	29002A	2903	27 mm
		M20 - 32 P1.5	29003A	L281	27 mm
BSPP	Manual	G1/2" - 2"	295652 *6	G892	27 mm
		G2 1/2" - 3"	295660 *4	L181	27 mm
Uni-Auto	Manual	G1/2" - 2"	292810 *31	N731	27 mm
		PF	PF16 - 42	290823 *10	G843
PF16 - 54	290023 *11		G848	27 mm	
PF70 - 82	290033 *12		3330	27 mm	
PF92 - 104	293041(discontinued)		J605	38 mm	
Conduit	Manual	C15 - 39	290823 *10	G843	27 mm
		C15 - 51	290023 *11	G848	27 mm
		C63 - 75	290033 *12	3330	27 mm
Grooving/ Bevelling	Handle	3/4" - 2"	292026	L187	20 mm
		2 1/2" - 3"	292036	7744	20 mm
		2 1/2" - 4"	293047	J088/J086	20 mm

Note: Where the number is the same, \* indicates it can be used for different types of thread.

## Die Heads

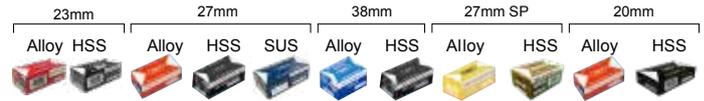
\*\*32: Standard Equipment with NP50A, NP80A BSPT version  
 \*31: Standard Equipment with NP50AV, NP80AV, NP80AVIII, N100A BSPT version  
 \*\*38: Standard Equipment with NP80A, NP80AV BSPT version  
 \*\*33: Standard Equipment with NP80AVIII BSPT version  
 \*\*34: Standard Equipment with N100A BSPT version  
 \*6: Standard Equipment with NP80A NPT version

\*\*36: Standard Equipment with NP80AV, N100A NPT version  
 \*4: Standard Equipment with NP80AV NPT version  
 \*\*37: Standard Equipment with N100A NPT version  
 \*\*40: Standard Equipment with NP50AV BSPT version  
 \*\*41: Standard Equipment with NP50AV NPT version

# Compatibility Tables

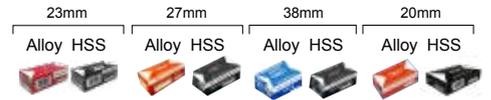
## Dies Table

ISO 7-1 (JIS B 0203) <R> British Standard Pipe thread: Tapered



BSPT	Tpi	Angle	Width	Alloy	HSS	"SUS"	Die Head								
¼" - ⅜"	19	55	23 mm	160003	166003	-	290000								
½" - ¾"	14	55	27 mm	161907 *1	166007	166351	290820	295633	292820	292850	295643	295649	295652	292810	292814
1" - 1½"	11	55	27 mm	161910	166010	166352	290820	295633	292820	29A870	295643	290020			
1½" - 2"	11	55	27 mm	161930	166030	166353	295643	290020							
1" - 2"	11	55	27 mm	16K030 *1	16K230	166357	295649	295652	292810	292814					
1" - 2"	11	55	38 mm	16B430	16E030	-	292020								
2½" - 3"	11	55	27 mm	161950 *2	166050	166354	290030	295660							
2½" - 3"	11	55	38 mm	16B450 *3	16E050	-	292030								
2½" - 3"	11	55	27 mm SP	16A501	16A511	-	29A901								
2½" - 4"	11	55	20 mm	162460 *4	16C060	-	293040								

ANSI / ASME B 1.20.1 (American) National Pipe thread: Tapered

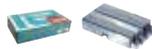


NPT	Tpi	Angle	Width	Alloy	HSS	Die Head								
¼" - ⅜"	18	60	23 mm	160303	166303	290000								
¼" - ⅜"	18	60	27 mm	161303	-	295630	295655							
½" - ¾"	14	60	27 mm	161307 *5	166307	295630	295633	292850	295655	295652	295643	292812	292810	292816
1" - 1½"	11.5	60	27 mm	161310	166310	295630	295633	29A870	295643					
1½" - 2"	11.5	60	27 mm	161330	166330	295643								
1" - 2"	11.5	60	27 mm	16K330 *5	16K430	295655	295652	295810	292812	292814				
1" - 2"	11.5	60	38 mm	16B030	16E330	292020								
2½" - 3"	8	60	27 mm	161350 *6	166350	295660								
2½" - 4"	8	60	20 mm	162360 *7	16C360	293050								

### Dies

- \*1: Standard Equipment with NP50A series, NP80A series, N100A BSPT version
- \*2: Standard Equipment with NP80A, NP80AV BSPT version
- \*3: Standard Equipment with NP80AV III BSPT version
- \*4: Standard Equipment with N100A BSPT version

- \*5: Standard Equipment with NP50A series, NP80A series, N100A NPT version
- \*6: Standard Equipment with NP80A, NP80AV NPT version
- \*7: Standard Equipment with N100A NPT version



Grooving	Gv.W.	Angle	Width	Alloy	Die Head
¾"	8	90	20 mm	16G607	292026
1" - 2"	8	90	20 mm	16G630	292026
2½" - 3"	8	90	20 mm	16G650	292036
2½" - 3½"	9.5	90	20 mm	162650	293047
4"	9.5	90	20 mm	162660	293047



Bevelling	Angle	Width	Alloy	Die Head	
¾"	-	30	20 mm	16H707	292026
¾"	-	37.5	20 mm	16H807	292026
1" - 2"	-	30	20 mm	16H730	292026
1" - 2"	-	37.5	20 mm	16H830	292026
2½" - 3"	-	30	20 mm	16H750	292036
2½" - 3"	-	37.5	20 mm	16H850	292036
2½" - 4"	-	30	20 mm	162760	293047
2½" - 4"	-	37.5	20 mm	162860	293047
2½" - 4"	-	45	20 mm	162862*	293047

\* discontinued

# Compatibility Tables

	Compatibility		(Old model)
S40A			(N40A)
NP50A			(N50A, P50A)
NP80A			(N80A, S80A)
N100A			

Colour shows compatibility with various machines.

## 40A-100A (Except R50A / NR50A)

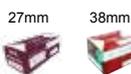
ISO 228-1 (JIS B 0202) <G> British Standard Pipe thread: Parallel

JIS C 8305 appendix <CTG>, former JIS B 0204

Conduit, thick steel pipe thread (parallel) for electrical wiring



BSP	Tpi	Angle	Width	Alloy	Die Head	
G½ - ¾	14	55	27 mm	162083	295652	292810
G1 - 2	11	55	27 mm	16K040	295652	292810
G2½ - 3	11	55	27 mm	162084	295660	



PF	Tpi	Angle	Width	Alloy	Die Head	
PF16 - 22	14	55	27 mm	161107	290823	290023
PF28 - 36	11	55	27 mm	161110	290823	290023
PF42 - 54	11	55	27 mm	161130	290823*	290023
PF70 - 82	11	55	27 mm	161150	290033	
PF92 - 104	11	55	38 mm	163160	293041 (discontinued)	

\*DH 290823 can set PF42 only.

JIS C 8305 appendix <CTC>, former JIS B 0204

Conduit, thin steel pipe thread (parallel) for electrical wiring



Conduit	Tpi	Angle	Width	Alloy	Die Head	
C19 - 25	16	80	27 mm	161209	290823	290023
C31 - 51	16	80	27 mm	161230	290823	290023
C63 - 75	16	80	27 mm	161250	290033	

ANSI/ASME B 1.20.1 (American) National Pipe thread: Straight Mechanical

NPSM	Tpi	Angle	Width	Alloy	Die Head	
¼" - ¾"	18	60	23 mm	161360	(290000)	
½" - ¾"	14	60	27 mm	161362	295656	
1" - 1¼"	11.5	60	27 mm	161364	295656	
1½" - 2"	11.5	60	27 mm	161366	295656	
2½" - 4"	8	60	20 mm	162360	293050**	

\*\*Optional profiling board J109 is required.

ISO 68-1/261 (JIS B 0205) <M> Metric thread for bolt: parallel



Metric	Pitch	Angle	Width	Alloy	HSS	Die Head	
M8	1.25	60	27 mm	167702	167722	29082A	29002A
M10	1.5	60	27 mm	167703	167723	29082A	29002A
M12	1.75	60	27 mm	167705	167725	29082A	29002A
M14-16	2.0	60	27 mm	167706	167726	29082A	29002A
M18-22	2.5	60	27 mm	167707	167727	29082A	29002A
M24-27	3.0	60	27 mm	167709	167729	29082A	29002A
M30-33	3.5	60	27 mm	16770A	16772A	29082A	29002A
M36-39	4.0	60	27 mm	16770B	16772B	29082A	29002A
M42-45	4.5	60	27 mm	16770C	16772C	29082A	29002A
M48-52	5.0	60	27 mm	16770D	16772D	29002A	
M20P1.5	1.5	60	27 mm	16770E	-	29003A	
M25P1.5	1.5	60	27 mm	16770F	-	29003A	
M32P1.5	1.5	60	27 mm	16770G	-	29003A	

BS84 British Standard Whitworth for bolt: parallel



BSW	Tpi	Angle	Width	Alloy	HSS	Die Head	
W¾"	18	55	23 mm	160502	160521	290000	
W¾"	16	55	23 mm	160503	160522	290000	
W½"	14	55	23 mm	160504	160530	290000	
W½"	12	55	23 mm	160505	160523	290000	
W⅝"	11	55	23 mm	160506	160524	290000	
W¾"	10	55	23 mm	160507	160525	290000	
W⅞"	9	55	23 mm	160508	160526	290000	
W1"	8	55	27 mm	160509	160527	290820	295643
W1¼"	7	55	27 mm	160510	160528	290820	295643

ISO 263 (ANSI B 1.1, JIS B 0206)

<UNC> Unified National Coarse thread for bolt: parallel



UNC	Tpi	Angle	Width	Alloy	Die Head	
⅝"	18	60	27 mm	167502	29562U	29001B
¾"	16	60	27 mm	167503	29562U	29001B
⅞"	14	60	27 mm	167504	29562U	29001B
1"	13	60	27 mm	167505	29562U	29001B
⅝"	11	60	27 mm	167506	29562U	29001B
¾"	10	60	27 mm	167507	29562U	29001B
⅞"	9	60	27 mm	167508	29562U	29001B
1"	8	60	27 mm	167509	29562U	29001B
1¼"	7	60	27 mm	167510	29562U	29001B
1½"	6	60	27 mm	167520	29562U	29001B
2"	4.5	60	27 mm	167530	29001B	

## 150A

## Die Head Table

Thread Type	Die Head Type	Capacity	Code No.	Plate	Width
BSPT	Profiling	2½" - 4"	291045 *1	E613/E614	20 mm
	Profiling	5" - 6"	291065 *1	E606/E607	20 mm
NPT	Profiling	2½" - 4"	293055 *2	E616/E617	20 mm
	Profiling	5" - 6"	293057 *2	E609/E610	20 mm
Grooving/ Bevelling	Handle	2½" - 4"	293048	A712	20 mm
	Handle	5" - 6"	293049	E709	20 mm

## Dies Table

ISO 7-1 (JIS B 0203) &lt;R&gt; British Standard Pipe thread: Tapered



BSPT	Tpi	Angle	Width	Alloy	HSS	Die Head
2½" - 4"	11	55	20 mm	162460 *1	16C060	291045
5" - 6"	11	55	20 mm	162470 *1	16C070	291065

Grooving	Gv.W.	Angle	Width	Alloy	HSS	Die Head
2½" - 3½"	9.5	90	20 mm	162650	-	293048
4"	9.5	90	20 mm	162660	-	293048
5" - 6"	9.5	90	20 mm	162670	-	293049

ANSI / ASME B 1.20.1 (American) National Pipe thread: Tapered

NPT	Tpi	Angle	Width	Alloy	HSS	Die Head
2½" - 4"	8	60	20 mm	162360 *2	16C360	293055
5" - 6"	8	60	20 mm	162370 *2	16C370	293057

Bevelling	-	Angle	Width	Alloy	HSS	Die Head
2½" - 4"	-	30	20 mm	162760	-	293048
2½" - 4"	-	37.5	20 mm	162860	-	293048
2½" - 4"	-	45	20 mm	162862	-	293048
5" - 6"	-	30	20 mm	162770	-	293049
5" - 6"	-	37.5	20 mm	162870	-	293049
5" - 6"	-	45	20 mm	162872	-	293049

ANSI / ASME B 1.20.1 (American) National Pipe thread: Straight Mechanical

NPSM	Tpi	Angle	Width	Alloy	HSS	Die Head
2½" - 4"	8	60	20 mm	162360	16C360	293055 *3
5" - 6"	8	60	20 mm	162370	16C370	293057 *3

N100A adaptable

\*1: Standard Equipment with 150A BSPT version

\*2: Standard Equipment with 150A NPT version

\*3: Optional profiling board A129 is required

## Old Model Profiling Dies

## 50A-II/80A-II/80ADX(old type)/100ADXII

## Dies Table

ISO 7-1 (JIS B 0203) &lt;R&gt; British Standard Pipe thread: Tapered



BSPT	Tpi	Angle	Width	Alloy	HSS	Die Head
½" - ¾"	14	55	20 mm	16A407*	16D007*	297020** / 291020**
1" - 2"	11	55	20 mm	16A430*	16D030*	297020** / 291020**
2½" - 3"	11	55	20 mm	16A450*	16D050*	297030** / -
2½" - 4"	11	55	20 mm	162460	16C060	- / 291045

ANSI / ASME B 1.20.1 (American) National Pipe thread: Tapered



NPT	Tpi	Angle	Width	Alloy	HSS	Die Head
½" - ¾"	14	60	20 mm	162307*	16D307*	297624** / 296624**
1" - 2"	11.5	60	20 mm	162330*	16D330*	297624** / 296624**
2½" - 3"	8	60	20 mm	16A350*	16D350*	PD-NPT** / -
2½" - 4"	8	60	20 mm	162360	16C360	- / 293055

\*subject to stock \*\*discontinued

# Compatibility Tables

## F25A / NS25A / N25A

### Die Head Table

Thread Type	Die Head Type	Capacity	Code No.	Plate	Width
BSPT	Manual	¼" - 1"	295250 *1	KY22	27 mm
	Manual	¼" - 1"	295254 *3	KY30	27 mm
	Self-Open	¼" - ¾"	290129 *5	MY63	27 mm
	Self-Open	½" - 1"	290130 **6	MY81	27 mm
NPT	Manual	¼" - 1"	295252 *2	KY26	27 mm
	Manual	¼" - 1"	295250 *1	KY22	27 mm
	Self-Open	¼" - ¾"	290129* 5	MY63	27 mm
	Self-Open	½" - 1"	290128	MY81	27 mm
NPSM	Manual	½" - 1"	295252 *2	KY26	27 mm
BSW	Manual	W¾" - ¾"	295254 *3	KY30	27 mm
Conduit	Manual	C19 - 39	295250 *1	KY22	27 mm
Metric	Manual				27 mm

Note: Where the number is the same, \* indicates it can be used for different types of thread.

\*1: Standard Equipment with F25A C version

\*3: Standard Equipment with F25A BSPT version

\*\*6: Standard Equipment with F25AIII BSPT version

### Dies Table

ISO 7-1 (JIS B 0203) <R> British Standard Pipe thread: Tapered



BSPT	Tpi	Angle	Width	Alloy	HSS	Die Head
¼" - ⅜"	19	55	27 mm	16P000	160030	295250 295252 295254 290129
½" - ¾"	14	55	27 mm	16P407 *1	166P07 *2	295250 295252 295254 290130
1"	11	55	27 mm	160025 *1	166025 *2	295250 295252 295254 290130

\*1: Standard Equipment with F25A, F25AIII BSPT version

\*2: Standard Equipment with F25AIII BSPT/HSS version



ANSI/ASME B 1.20.1 (American) National Pipe thread: Tapered

NPT	Tpi	Angle	Width	Alloy	HSS	Die Head
¼" - ⅜"	18	60	27 mm	16P100	166292	295252 295250 290129
½" - ¾"	14	60	27 mm	161305	166294	295252 295250 290128
1"	11.5	60	27 mm	161610	166296	295252 295250 290128

ISO 68-1/261 (JIS B 0205) <M> Metric thread for bolt: parallel

Metric	Pitch	Angle	Width	Alloy	HSS	Die Head
M20 P1.5	1.5	60	27 mm	167710	-	

BS84 British Standard Whitworth for bolt: parallel

BSW	Tpi	Angle	Width	Alloy	HSS	Die Head
W ⅜"	16	55	27 mm	166720	166730	295254
W ½"	12	55	27 mm	166721	166731	295254
W ⅝"	11	55	27 mm	166722	166732	295254
W ¾"	10	55	27 mm	166723	166733	295254

JIS C 8305 appendix <CTC>, former JIS B 0204

Conduit, thin steel pipe thread (parallel) for electrical wiring

Conduit	Tpi	Angle	Width	Alloy	HSS	Die Head
C19 - 25	16	80	27 mm	161612 *3	-	295250
C31 - 39	16	80	27 mm	161613 *3	-	295250

\*3: Standard Equipment with F25A C version

ANSI / ASME B 1.20.1 (American) National Pipe thread: Straight Mechanical

NPSM	Tpi	Angle	Width	Alloy	HSS	Die Head
½" - ¾"	14	60	27 mm	161372	-	295252
1"	11.5	60	27 mm	161374	-	295252

# Die Head and Dies Table NR50A / R50A(R-type)

## Die Head Table

Thread Type	Die Head Type	Capacity	#300	REX	Plate	Width
			eq. DH	Code No		
BSPT	Manual R	1/8"-2"	811A BSPT	295680	RH03	27 mm
	Uni-Auto R	1/2"-2"	815A BSPT	290802*	N696	27 mm
	NV-Auto R	1/2"-2"	815A BSPT	292804	NR86	27 mm
NPT	Manual R	1/8"-2"	811A NPT	295680	RH03	27 mm
	Uni-Auto R	1/2"-2"	815A NPT	292800*	N677	27 mm
	NV-Auto R	1/2"-2"	815A NPT	292802	NR86	27 mm



NR50AV

\* discontinued

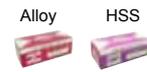
## Dies Table

ISO 7-1 (JIS B0203) <R> British Standard Pipe thread:Tapered



BSPT	Tpi	Angle	Width	#300	REX	#300	REX	Die Head		
				RH.Alloy	Alloy	RH.HSS	HSS			
1/2"-3/4"	14	55	27 mm	66665	161353	18980	161357	295680	290802*	292804
1"-2"	11	55	27 mm	66670	161354	18985	161358	295680	290802*	292804

ANSI/ASME B 1.20.1 (American) National Pipe thread:Tapered



NPT	Tpi	Angle	Width	RH.Alloy	Alloy	RH.HSS	HSS	Die Head		
1/2"-3/4"	14	60	27 mm	47745	161351	47785	161355	295680	292800*	292802
1"-2"	11.5	60	27 mm	47750	161352	47790	161356	295680	292800*	292802

\* discontinued

## Dies

Width						
27mm (F25A)	23mm	27mm	27mm (R-type)	38mm	20mm (2 1/2" - 4")	20mm (5 - 6")
160025	160003	16K030	161354	16B430	162460	162470



HSS dies marking

Alloy dies marking

# ROLL THREAD HEADS

## ROLL THREAD HEADS

For sale in Japan only

10A - 50A (3/8" - 2")

Can be mounted on REX pipe machine series.



SRH-15A

### Cutter Guide for Roll Thread Head

Model
Cutter Guide 50A
Cutter Guide 80A
Cutter Guide 100A
Cutter Guide 40A

When mounting the roll thread head, be sure to change the cutter guide.

### Compatibility Table

Model	Size BSPT	Size			
		S40A	F50A	F80A	N100A
SRH-10A	10A (3/8")	●	●	●	◎
SRH-15A	15A (1/2")	●	●	●	◎
SRH-20A	20A (3/4")	●	●	●	◎
SRH-25A	25A (1")	-	●*	●	●
SRH-32A	32A (1 1/4")	-	-	●	●
SRH-40A	40A (1 1/2")	-	-	●	●
SRH-50A	50A (2")	-	-	●*	●

◎ : OK    ● : Option Required  
\* : Double Chucking Required

### Roll Thread Sealant ZT



Genuine REX Sealant - Getting the best performance from Roll Threads.

**Applicable Pipes:** Water mains, Hot water pipes, Standpipes (for firefighting), Steam piping.

Product	Quantity (g)
Roll Thread Sealant ZT	500g (with brush)

### Lining Blades

15A - 50A (1/2" - 2")

**Use:** Used to remove external coatings by attaching blade to the scraper on the roll thread head.



Lining Blade



Model	Size	Appropriate head
Lining Blade 15A	15A (1/2")	SRH-15A
Lining Blade 20A	20A (3/4")	SRH-20A
Lining Blade 25A	25A (1")	SRH-25A
Lining Blade 32A	32A (1 1/4")	SRH-32A
Lining Blade 40A	40A (1 1/2")	SRH-40A
Lining Blade 50A	50A (2")	SRH-50A

### Examples of Roll Threads



Fire Sprinkler Systems



Water Supply



Gas Supply



Air Conditioning



## Five great features of roll threads

### 1. Environmentally friendly

Chips are greatly reduced. (Figs.1&2 and Table 1)  
 (No chips are produced when processing roll threads;only when correcting out-of-round pipe. )

#### Comparison of amount of chips (internal data)

Code No.	Capacity ratio	Mass ratio
Cut thread : Roll thread	100 : 9	100 : 13

Table 1

### 2. Savings in cost

- Increased strength of the thread joint means pipe thickness can be reduced by one size.
- Roller wear : 1/10 that of cutting
- Oil consumption : 1/2 that of cutting

### 3. Difficult to break

- Roll threads retain the 'grain' of the pipe without interruption. (Fig. 3)
- Increased durability - wall thickness is assured with roll threads. (Fig. 4)
- Thread processing creates threads that are even harder than the original pipe itself. (Fig. 5)
- With strength equivalent to welding, both efficiency and earthquake-proof characteristics are increased.

### 4. Rust resistant

- Threads display increased rust resistance as the coating on the pipe surface remains. (Fig. 6)

### 5. Leak resistant

- With roll threads, the height of the thread is uniform, resulting in high-quality leak-resistant threads.
- Surface roughness on a roll thread is about 1/4 of that on a cut thread.



Fig. 1 Chips from cut threads



Fig. 2 Chips from roll threads

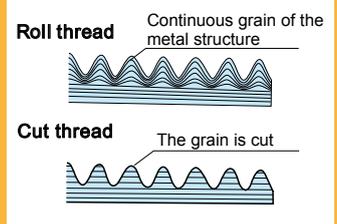


Fig. 3 Grain flow



Fig. 4 Cross section



Fig. 5 In strength tests, there was no effect on the thread. The pipe itself became deformed or fractured.

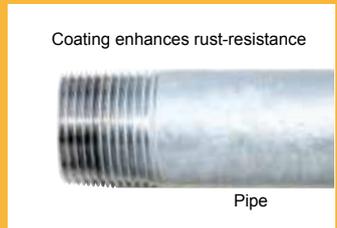


Fig. 6 Thread is left with a layer of pipe coating (20-30 μm).

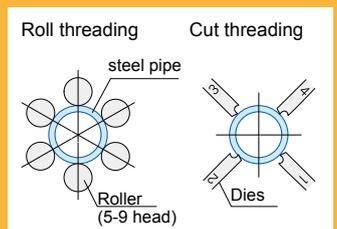


Fig. 7 Roll threading and Cut threading.



Hydraulic Piping



Air Piping



Steam Piping



# PIPE THREADERS

## Manual pipe threader. No power supply required!

### OSTER-TYPE RATCHET PIPE THREADER

8A - 50A (1/4" - 2")

- Ratchet facilitates smooth operation.
- Quick-release lever disengages dies, so there's no need to rotate the unit back again to release it.
- Made of cast iron, the main body is lightweight yet robust. Moving parts are heat-treated and reinforced to limit wear.



Code No.	Model	Capacity (in.)
1101D2	112R	1/4 - 1 1/4
1101D4	114R	1/2 - 2



112R Dies 15A-20A 150007  
114R Dies 15A-20A 151007

112R Dies 8A-10A 150003

### Spare Dies

Code No.	Model	Capacity (in.)
150003	112R Dies 8A - 10A	1/4 - 3/8
150007	112R Dies 15A - 20A	1/2 - 3/4
150010	112R Dies 25A - 32A	1 - 1 1/4
151007	114R Dies 15A - 20A	1/2 - 3/4
151010	114R Dies 25A - 32A	1 - 1 1/4
151030	114R Dies 40A - 50A	1 1/2 - 2

### DROP THREADER 12R TYPE

6A - 50A (1/8" - 2")

Rex Drop Heads and Dies are ideal for in-place threading from 1/8" - 2" and are designed to fit Rex Ratchet Handle 112162 (BSPT) / 112160 (NPT) as well as Wheeler Ratchet Handle 43310, and other models, such as 12R, 00-R, 111-R, 0-R, 30A & 31A, 600 & 700 Power Drives, DHR 12 Series Drop Heads and BT 40000 Series Drop Heads.



With 1 1/2" Drop Head



12R BSPT 112051\*

### MANUAL RATCHET THREADER SETS

Model and Code No.	Threading Capacity (in.) and standard dies set
12R BSPT	
112051*	1/8, 1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2
112052*	1/2, 3/4, 1, 1 1/4, 1 1/2, 2
112162*	Ratchet with handle, case only

\* discontinued

### Ideal for in-place threading from 1/8" to 2"

Nominal Pipe Size	12R Type Dies-BSPT		12R Type Dies-NPT		12R Type Drop Head with Dies-BSPT	
	Code No.	Name	Code No.	Name	Code No.	Name
1/8"	112121	DIES 12R 1/8 PT	112101	DIES 12R 1/8 NPT	112021	DH 12R 1/8 PT
1/4"	112122	DIES 12R 1/4 PT	112102	DIES 12R 1/4 NPT	112022	DH 12R 1/4 PT
3/8"	112123	DIES 12R 3/8 PT	112103	DIES 12R 3/8 NPT	112023	DH 12R 3/8 PT
1/2"	112124	DIES 12R 1/2 PT	112104	DIES 12R 1/2 NPT	112024	DH 12R 1/2 PT
3/4"	112125	DIES 12R 3/4 PT	112105	DIES 12R 3/4 NPT	112025	DH 12R 3/4 PT
1"	112126	DIES 12R 1 PT	112106	DIES 12R 1 NPT	112026	DH 12R 1 PT
1 1/4"	112127	DIES 12R 1 1/4 PT	112107	DIES 12R 1 1/4 NPT	112027	DH 12R 1 1/4 PT
1 1/2"	112128	DIES 12R 1 1/2 PT	112108	DIES 12R 1 1/2 NPT	112028	DH 12R 1 1/2 PT
2"	112129	DIES 12R 2 PT	112109	DIES 12R 2 NPT	112029	DH 12R 2 PT

## BABY REED-TYPE RATCHET PIPE THREADER

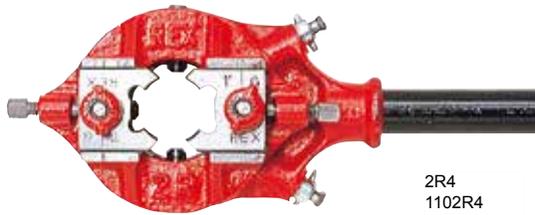
8A - 32A (1/4" - 1 1/4")

- This compact and lightweight model ensures optimum threading in elevated or confined places. Ratchet supplied.
- Proven versatility in applications for gas/water supply pipes and thin steel conduits (by replacing dies).



2R4 with case  
1102R4

Code No.	Model	standard dies(set)
1102R3	2R3	1/2 - 1 (3)
1102R4	2R4	1/2 - 1 1/4 (4)
1102RE	2RC	C19 - 39 (4)



2R4  
1102R4

### Spare Dies

Code No.	Model	Size
154001	2RG Dies 8A	1/4
154003	2RG Dies 10A	3/8
154005	2RG Dies 15A	1/2
154007	2RG Dies 20A	3/4
154009	2RG Dies 25A	1
154010	2RG Dies 32A	1 1/4
154207	2RC Dies 19	C19
154209	2RC Dies 25	C25
154210	2RC Dies 31	C31
154220	2RC Dies 39	C39



2RG Dies 25A  
154009



2RC Dies 25  
154209



2RG Dies 10A  
154003

## CHAIN VICE STAND CVX6

6A - 150A (1/8" - 6")

**Robust multi-function Stand performance. Handles the most rigorous jobs with ease!**

### All-in-one Chain Vice Stand

The CVX6 is a chain vice and stand all-in-one; flat, simple, packed full of different functions. The stand gives you up to 1.5 times more working surface than previous models, providing you with ample room to work on.

### Sturdy aluminium die cast base

Newly-designed die cast base stands up to the toughest jobs.

### Safe and reliable operation

Reliable work starts from having dependable tools to work with. Made for outstanding durability and functionality, the CVX6 also offers robust reliability.

### Ceiling Brace Screw

Simply attach a support pipe to keep the stand firm when using the bender, etc.



### Tray Support

If the stand rocks a little and needs adjustment, simply adjust the 'wings' of the support tray.



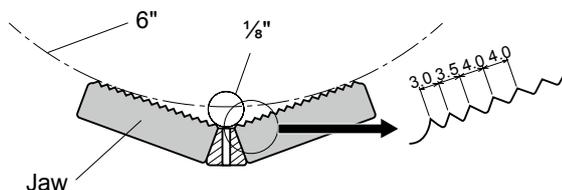
### Bender

Effortlessly bends thin-walled tubes up to 3/4".



### Grip on pipes 1/8"-6"

The vice grips the pipe securely so it won't slip.



CVX6



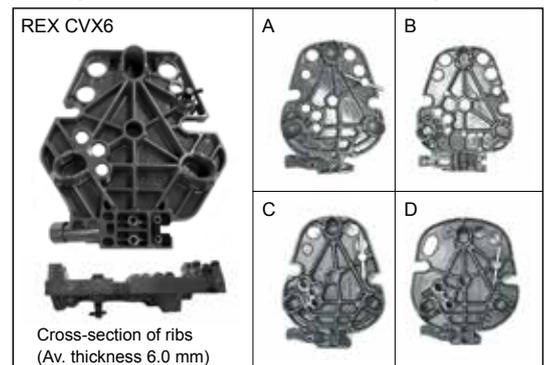
The CVX6 in actual use



Folded for storage, etc.

Code No.	120CVB	120CVC
Model	CVX6	
Pipe Capacity (in.)	1/8 - 6	
Appropriate pipe material	Steel pipe, etc	
Dimensions (D×W×H) mm	1198 × 1134 × 960	1198 × 1134 × 890
Weight (kg)	19.6	19.0
Length of chain (mm)	700	

**REX' original rib design increases the strength of the base. (up to 1.7 times that of other brands.)**



Cross-section of ribs  
(Av. thickness 6.0 mm)

PIPE VICES

6A - 150A (1/8" - 6")

**Ensure high durability and long life.**

- Designed with an array of teeth, REX vices provide optimum clamping for pipes of different sizes.
- Teeth are specially heat-treated for increased durability.
- Compatible V0 and VL1 teeth clamp soft pipes firmly without damage.
- For convenience, the VL1 comes equipped with legs.
- Special jaws for coated steel pipes are also available.

**Chain vice**

- Compact, lightweight, and easy to use.
- One vice for fixed-mounting or portable use (workbench or vice stand).
- Pin and hook system allows easy adjustment according to the size of the pipe. Just turn the handle for a really firm grip.



CV-6  
120CV6



Vice Stand  
120CVL  
V0 - V4, CV-6 attachable



VL1  
1201VL



V0  
1201V0



V1  
1201V1



V2  
1201V2

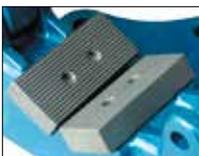


V3  
1201V3



V4  
1201V4

Comparison of jaws



V0-L



V0

Code No.	Model	Capacity (in.)	For
1201V0	V0 Vice	1/8 - 2	Steel Pipe
1201V1	V1 Vice	1/8 - 2 1/2	
1201V2	V2 Vice	1/8 - 3 1/2	
1201V3	V3 Vice	1/8 - 4	
1201V4	V4 Vice	1/8 - 6	
1201VL	VL1 Vice with legs	1/8 - 2 1/2	Externally Coated Pipes
120LV0	V0-L Vice	1/8 - 2	
120LV1	V1-L Vice	1/8 - 2 1/2	
120LV2	V2-L Vice	1/8 - 3	
120LV3	V3-L Vice	1/8 - 4	
120LVL	VL1-L Vice with legs	1/8 - 2 1/2	Steel Pipe
120CV6	CV-6 Chain Vice	1/8 - 6	
120CVL	Vice Stand	V0 - V4, CV-6 attachable	

# ROLL GROOVING MACHINES

## No more worries about obtaining the perfect groove!

### LIGHT GROOVE 150DX

25A - 400A (1" - 16")

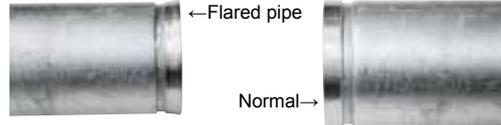
Standard Model: 2" - 6"

For on-site and workshop grooving of 1" - 16" Schedule 10 and, 1" - 12" Schedule 40 steel pipe.

Utilises REX's latest technology to minimise cost and improve efficiency. Self-centring head minimises pipe flare and secures the pipe firmly in the machine. Automatic pump and indicator lamp ensure stable grooving. Designed for maximum productivity and lowest cost per groove.

#### High precision machining avoids unwanted flared pipe ends.

Flared pipe ends mean the gasket can't be placed on the coupling, so the job needs to be done all over again. Furthermore, to avoid producing such defects needs great skill in aligning the pipe perfectly. REX' self-centering function means just about anyone can process pipes in a stable manner and with increased efficiency.



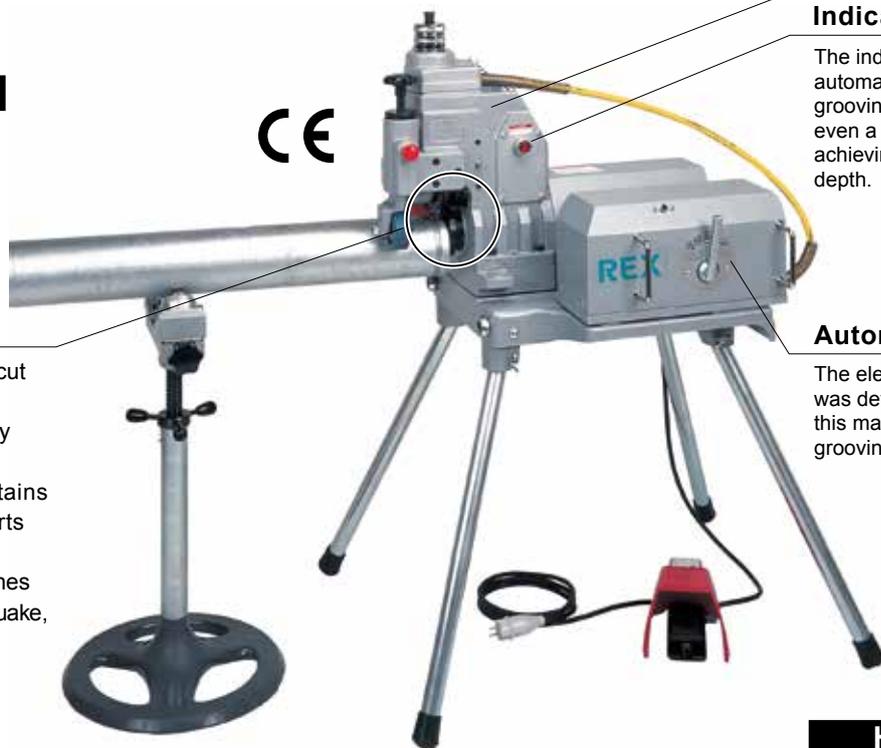
#### Automatic Pump

#### RG 150A



Roller

Roll grooving is different to cut grooving. Roll grooving is a process by which the pipe is deformed under pressure, which maintains its strength. Numerous reports indicate that roll grooving prevented damage to pipelines during the 1995 Kobe Earthquake, Japan.



341109  
\* Pipe support optional.

#### Indicator Lamp

The indicator lamp automatically lights up when grooving is complete so that even a novice can be sure of achieving the correct groove depth.

#### Automatic Pump

The electric powered pump was developed specifically for this machine to make accurate grooving easier.

RG-150A  
341074

#### Hand Pump

#### RG 150

RG-150  
341080

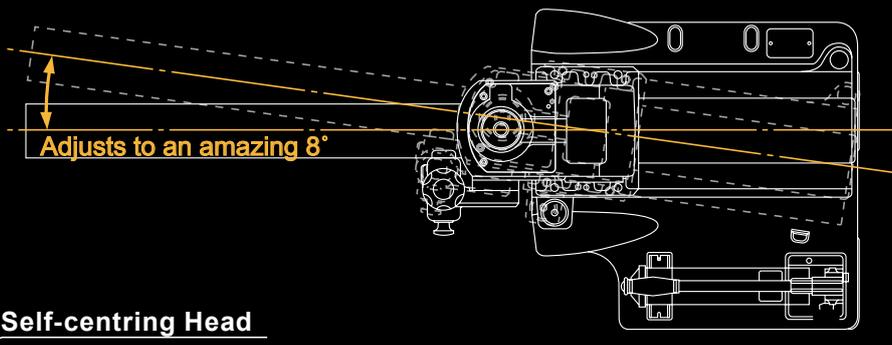


#### Standard Accessories:

Tool box, Spirit level, Spanner, T-wrench, Grease  
341133: Roller Set 2" - 6"(Sch.10 - 40), 341125 Spacer 1" - 6"

Code No.	Model	Volatage(V)	Pump	Weight	Remarks
341071	RG-150A	220-230V 50Hz	Auto	85kg	
341074	RG-150A	220-230V 50Hz	Auto	85kg	CE with footswitch
341075	RG-150A	110V 50Hz	Auto	85kg	CE with footswitch
341080	RG-150	220-230V 50/60Hz	Hand	75kg	

Working Capacity (in)	1-16 Sch. 10 steel pipe 1-12 Sch. 40 steel pipe
Motor	700W Series Motor
Rotation speed(rpm)	49(unloaded)
Dimensions(mm)	D685 × W490 × H625



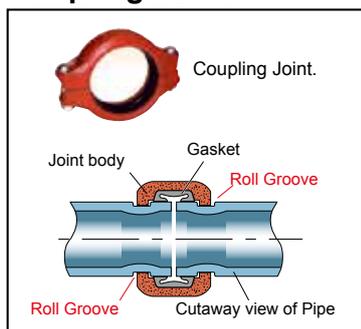
**Self-centring Head**

The head adjusts up to an amazing 8° to ensure a perfectly centred groove every time. The carrying handles also serve as guides to make setting pipes easier.



Raise the red knob on the head lock pin to release the self-centering head.

**Coupling Joint**



Guide roller prevents the pipe from detaching and eliminates vibration, so there's no need to place your hand on the pipe.

**Easy grooving with a threading machine.**

**PORTABLE GROOVER H**

**25A - 400A (1" - 16")**

Standard Model: 2" - 6"

**RG-RH unit provides 16" grooving (Schedule 10) and Schedule 40 grooving up to 12".**

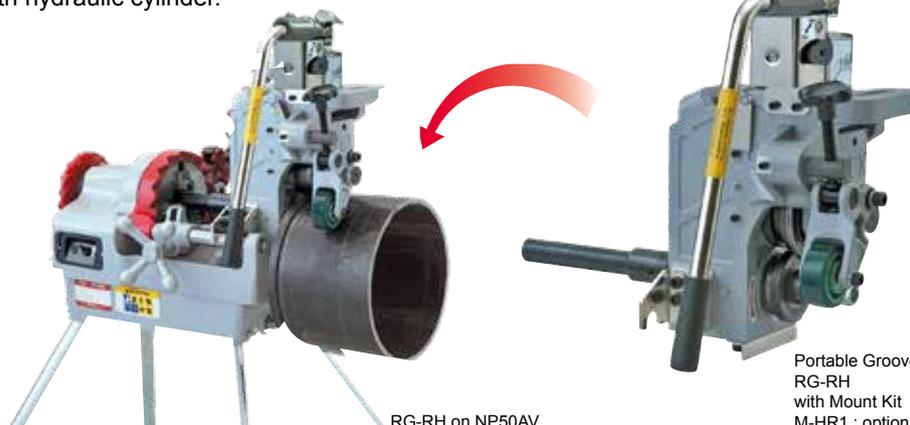
- Compact, light weight, powerful, and large capacity!
- Easy to mount on your threading machine.
- Easy operation with guide roller means there is no need to put your hand on the pipe.
- Incredibly light handle with hydraulic cylinder.



No need to remove carriage, reamer or die head



Hydraulic Cylinder



Simple mount kit (option) provides adaptability to Rex 2", 3", 4" threading machines and #300.



**Standard Accessories:**

- 341133 Roller Set 2"- 6" (Sch. 10 - 40)
- 341125 Spacer 1"- 6" (Mount Kit not included)

Code No.	341506
Model	RG-RH
Working Capacity (in.)	1 - 16 Sch. 10 steel pipe 1 - 12 Sch. 40 steel pipe
Dimensions (D×W×H) mm	272 × 478 × 385*
Weight (kg)	35.5

\* Excluding connecting shaft and pump handle

# GROOVERS

## PORTABLE GROOVER M/S

25A - 150A (1" - 6")

Standard Model: 2" - 6"

Just attach to a REX pipe threading machine for fast, easy grooving.

- Anti-slipping device enables safe, efficient processing.
- Groove depth easily adjusted.
- Special power booster facilitates light and easy operation.

RG-R1 with NP50A



Portable Groover M  
RG-R0 with Mount Base M-R1

### For Steel Pipe

## Portable Groover M

### For Stainless Steel Pipe

## Portable Groover S



RG-R0 with  
Mount Base M-R1



RG-S1 with  
Mount Base M-R1



Rollers for SUS

Precise grooving with special rollers

\* Subject to confirmation of adaptability to SUS pipe in each country.

- Makes grooves on 1" to 6" Schedule 10 and 1" to 3" Schedule 40 steel pipes.
- Easily attached to REX N50A, R50A, P50A, NP50A, N80A, S80A, NP80A, N100A, #300 or 300 Compact.
- Like the Light Groove 150DX, groove depth is easily adjusted. Power mechanism enables grooving with minimal force.
- Compact, lightweight, excellent durability.
- Mount the groover on any of the machines simply by replacing the mount base (5 types available).

Code No.	Model	Applicable machine	Working Capacity	Weight (kg)
341505	RG-R0	No Mount Base	1" - 6" Sch. 10 - 20 1" - 3" Sch. 10 - 40 Standard Model For 2" - 6" Sch. 10 - 20 2" - 3" Sch. 10 - 40 (Roller set 341558)	12.0
341501	RG-R1	N50A, R50A, P50A, NP50A		14.5
341502	RG-R2	N80A, S80A, NP80A		
-	RG-R3	N100A		
341503	RG-E1	#300		
341504	RG-E2	300 Compact		
341631	RG-S1	No Mount Base	Stainless Steel Pipe 30-50Su, 1"-1½" : Sch. 5S	
341632	RG-S2	No Mount Base	Stainless Steel Pipe 60-150Su, 2"-6" : Sch. 5S	10.0

## Combined Motor and Groover Set NPG150M

25A - 150A (1" - 6")

Standard Model: 2" - 6"

Rex provides a great combination!

· NPG150M is a combined motor unit and Portable Groover M (RG-R0+M-R1).



NPG150M  
341323



RG-RH on NPG150M

Code No.	Model	Voltage	Groover	Weight (kg)
341323	NPG150M CE 230V	230 V	RG-R1	55.0

## Roller Set

Standard		Optional			
341133	341112	341113	341111	341137	341136
Roller Set 2"- 6"	Main Shaft 1"- 1½"	Roller Set 1"- 1½"	Roller Set 8"- 12"	Roller Set 10"- 12"	Roller Set 14"- 16"

## Spacer (Groove Depth Gauge)

1"- 6"	8"- 12"
341125	341124



341560  
Mount Kit M-HR1



341555  
Mount Base



GV Gauge



Circumference GV Gauge  
341132

## Accessories for Groovers

Code No	Description	Light Groove	Portable Groover H	Portable Groover M	Portable Groover S
341111	Roller Set 8"-12" (8": Sch. 10 - 40, 10"-12": Sch. 10 - 30)	●	●		
341112	Main Shaft For Roller 1"-1½" (150DX)	●			
341141	Main Shaft For Roller 1"-1½" (RG-RH)		●		
341113**	Roller Set 1"-1½" (Sch. 10 - 40)	●	●		
341133	Roller Set 2"- 6" (Sch. 10 - 40)	●*	●*		
341137	Roller Set 10"-12" (Sch. 40)	●	●		
341136	Roller Set 14"-16" (Sch. 10) (150DX)	●			
341138**	Roller Set 14"-16" (Sch. 10) (RG-RH)		●		
341118	Roller Set SUS 30 - 50Su 1" - 1½": Sch. 5S - 10S	●	●		
341119	Roller Set SUS 60 - 80Su 2" - 3": Sch. 5S - 10S	●	●		
341120	Roller Set SUS 100 - 150Su 4" - 6": Sch. 5S - 10S	●	●		
341551	Roller Set 1" (Sch. 10 - 40)			●	
341552	Roller Set 1½" (Sch. 10 - 40)			●	
341554	Mount Base R1 REX50A Machine			●	●
341555	Mount Base R2 REX80A Machine			●	●
341556	Mount Base E1 #300			●	●
341557	Mount Base E2 #300 Compact			●	●
341558	Roller Set 2" - 6" (2" - 3": Sch. 10 - 40, 3½" - 6": Sch. 10 - 20)			●*	
341559	Mount Base R3 REX N100A Machine			●	●
341560	Mount Kit M-HR1 REX 50A Machine		●		
341561	Mount Kit M-HR2 REX 80A Machine		●		
341562	Mount Kit M-HR3 REX N100A Machine		●		
341563	Mount Kit M-HE1 #300		●		
341635	Roller Set 30-50 Su				●*S1
341636	Roller Set 60-150 Su				●*S2
341180	Spacer 30-150 Su				●*
341124	Spacer 8" - 12"	●	●		
341125	Spacer 1" - 6"	●*	●*		
341121	GV Gauge 1"	●	●	●	
341122	GV Gauge 1¼"	●	●	●	
341123	GV Gauge 1½"	●	●	●	
341126	GV Gauge 2"	●	●	●	
341127	GV Gauge 2½"	●	●	●	
341128	GV Gauge 3"	●	●	●	
341129	GV Gauge 4"	●	●	●	
341130	GV Gauge 5"	●	●	●	
341131	GV Gauge 6"	●	●	●	
341132	Circumference GV Gauge	●	●	●	●

\*\*to be set with Main shaft 341112 or 341141

\* Standard Equipment

# CORDLESS FLARE

## RF20S

1/4" - 3/4"

Attractive new lightweight design! Ease of use greatly improved!



Air-conditioning tubing work

RF20S  
424936

### Standard Accessories

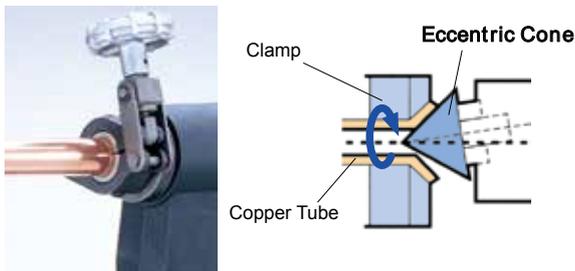


**RF20S**  
with Battery  
424936

- Clamps with Liner
- 1/4"
  - 3/8"
  - 1/2"
  - 5/8" \*
  - 3/4"

\* Depends on specification  
\*\* Option

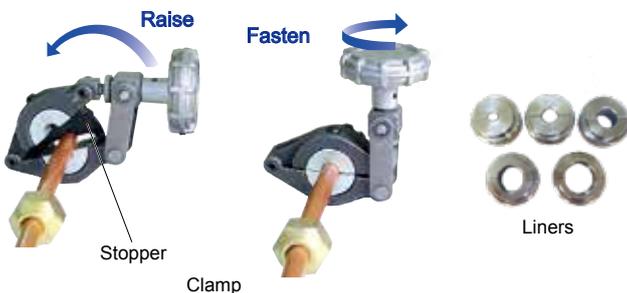
### Eccentric Cone



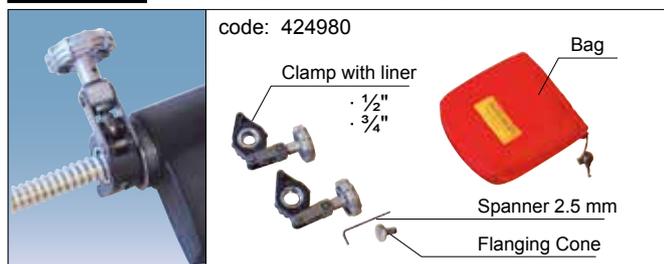
The eccentric cone moves forward with a rotary motion to gradually push and expand the inner diameter of the copper tube. The forward movement of the cone is then stopped by the clutch, which activates at a predetermined pressure. The flared surface of the copper tube is given a clean finish by the cone's rotary motion.

### One-Action Mechanism

The clamped position of the copper tube is fixed using a stopper, eliminating unevenness when flaring.



### Option Flanging tool set changes RF20S to RT20S



### Specifications

Applicable Tube	: Copper Tubes (O-type, OL-type) JIS H3300
Applicable Tube Size	: 1/4", 3/8", 1/2", 5/8" *, 3/4" *
Flare Type	: Supports Class 2 refrigerant (Supports R-410A)
Dimensions (LxWxH) mm	: 122 x 67.5 x 224 (122 x 67.5 x 274 with battery)
Time for flaring	: About 5 seconds
Flaring method	: Revolving eccentric cone under stable pressure
Revolution speed	: 280 rpm
Motor	: DC motor
Battery	: 10.8 V Li-ion (424982)

Code No.	Model	Voltage (V)	Weight (kg)	
			Body	with Battery
424901	RF20S	100	1.16	1.35
424936	RF20S	220		

### Optional Accessories

Code No.	Model
424982	10.8 V Li-ion Battery
424961	Lithium-ion Charger AC 100-240V A-plug
424985	Lithium-ion Charger AC 100-240V C-plug
424950	Clamp without Liner for RF20S
424850	Liner 1/4" (6.35 mm)
424852	Liner 3/8" (9.52 mm)
424853	Liner 1/2" (12.70 mm)
424854	Liner 5/8" (15.88 mm)
424855	Liner 3/4" (19.05 mm)
424980	Flanging Tool Set
471991	Scraper
471992	Blade for Scraper 10 pcs Set
424954	9.6V NiCd Battery for RF20N (Old Model)
424956	Charger 100V for 9.6V NiCd Battery (for RF20N)
424960	Charger 220-230V for 9.6V NiCd Battery (for RF20N)



Scraper 471991

### Battery Specifications

Capacity (mAh)	: 1,500
Charging time (min)	: 60 (approx)
Charges/Discharges	: 500 times
Dimensions (mm)	: L60 x W54 x H85

Code No.	Type	Output Voltage (V)	Weight (g)
424982	Li-ion Battery	10.8	185

### Charger Specifications

Charging time (min)	: 60 (approx)
Dimensions (mm)	: L146 x W109 x H61

Code No.	Battery Type	Input Power Supply	Weight (g)
424985	Lithium-ion Charger	AC 100-240 V C-plug	335

# CORDLESS FLANGE / REAMERS

## RT20S

1/2" - 3/4"

Auto-flanging in 5 seconds! (1/2" - 3/4" stainless flexible tube)



Carrying Case

RT20S  
424977

### Specifications

Applicable tube	: M -13 (1/2") (16.8 mm), M -15 (3/4") (20.0 mm)
Number of flanges	: 2 or 3 ridges
Time for flanging	: About 5 seconds
Flanging method	: Revolving eccentric cone under stable pressure
Revolution speed	: 280 rpm
Motor	: DC motor
Battery	: 10.8 V Li-ion (424982)
Standard accessories	: Charger (424985), Clamps with Liner (1/2", 3/4"), Spanner (2.5 mm), Carrying Case

Code No.	Model	Voltage (V)	Weight (kg)	
			Body	with Battery
424977	RT20S	220	1.16	1.35

### Optional Accessories

Code No.	Model
424975	Clamp without Liner for RT20S
424777	Liner 1/2" (16.8 mm)
424778	Liner 3/4" (20.0 mm)

## STAINLESS FLEXIBLE TUBE

M-13, M-15

Made of stainless steel SUS316L: strong and corrosion resistant.



Nut & Gasket



M-13: 170713  
M-15: 170715  
Stainless Flexible Tube

Code No.	Model	Contents
170713	M-13	10 m roll / package
170715	M-15	10 m roll / package

## FLEXIBLE TUBE CUTTER / STRIPPER

8A - 32A

Prevents over feeding – safe, easy, and quick to use!

### CLICK 25N

1713F5 8A-25A

The sound and feel of clicks inside the knob greatly reduce burrs at tube edge.



Click 25  
1713F5



Easy screw feeding blade - each click of the knob provides a 1/8 rotation.



Stripper for plastic coat

1702FS

### 25N

1713F3 8A-25A

### MINI 32N

1713F4 8A-32A

**NEW**



Cuts 8-32A (nominal size) tube, despite its light and compact body

- Plastic and polyurethane rollers enable smooth cutting with less twisting of external vinyl coat.
- Cuts stainless steel flexible tube precisely with fewer burrs and dents.
- Spare blade included as standard. (25N, CLICK25N only)

### FLEXIBLE TUBE CUTTER / STRIPPER

Code No.	Model	Applicable sizes (A)	Weight (g)
1713F3	Flexible Tube Cutter 25N	8 - 25	245
1713F4	Flexible Tube Cutter MINI32N	8 - 32	220
1713F5	Flexible Tube Cutter CLICK 25N	8 - 25	255
424200	Cutter Wheel 20 for 1703F2*	-	23
1703F7	Cutter Wheel 25/32 for 1703F3-5*, 1713F3-5	-	-
1702FS	Stripper	8 - 32	80
170205	Blade for Stripper	-	-

\* previous model

# G-LINE SCOPE V2830 / 1616S

The best in pipe inspection cameras! New model automatically adjusts to horizontal field of view and adds recording function.

Can be used for a variety of pipe inspections from structural checks to inspecting air-conditioning ducts, exhaust pipes etc.

## GLS-V2830

### Special Features

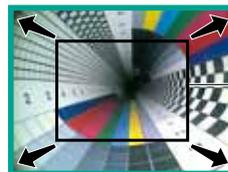
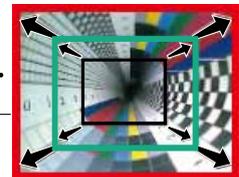
- Wide angle lens provides a 180° field of view (96° under water).
- Automatic horizontal adjustment function keeps the top of the picture the right way up.
- Built-in recording function  
Records video or still pictures on SD and SDHC cards.
- Light control  
Automatically selects exposure time according to brightness of the subject to produce the most suitable picture image.
- White balance  
Automatically adjusts white balance according to the subject's white area
- Displays length of cable extended (can be confirmed on the monitor)
- Can move through two 90° elbows (greater than Φ40mm VU pipe). (Depending on conditions inside pipe.)
- Camera head is waterproof (IP68) up to a depth of 30m.
- Low-energy, long-life 5 LEDs
- Optional special lithium-ion battery allows normal operation where no power source is available.



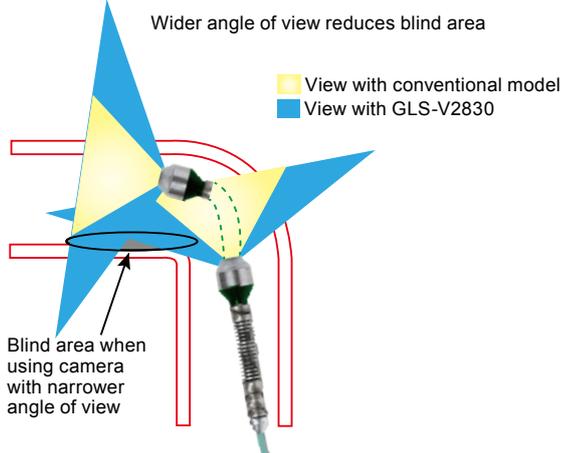
GLS-V2830  
44V001

Cable Length  
30m

Angle of view 180°  
GLS-V2830



View with  
conventional model  
Angle of view 160°  
GLS3030



## GLS 1616S



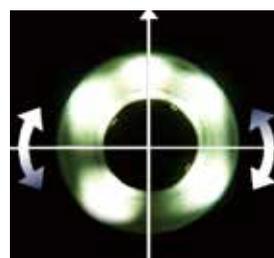
GLS1616S  
440391

Introducing our new Φ16mm camera cable!



\* No automatic horizontal adjustment

### Automatic horizontal adjustment function keeps the lights in position



The camera's automatic horizontal adjustment function allows it to turn according to its orientation inside of the pipe. As it always keeps the video image facing upwards, the operator can easily judge the situation inside the pipe. The positioning of the LEDs has been improved to point more upwards so as to avoid darker images at the top or further down the pipe.

### Special Features

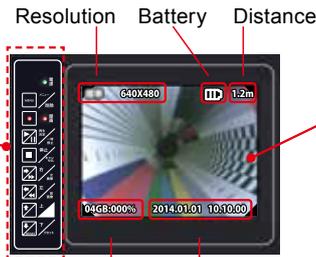
- Wide angle lens provides a 120° field of view (81° under water).
- Built-in recording function  
Records video or still pictures on SD and SDHC cards.
- Displays length of cable extended (can be confirmed on the monitor)
- Can move through a 90° elbow with the Adapter 21 (greater than Φ30mm VP pipe). (Depending on conditions inside pipe.)
- Camera head is waterproof (IP68) up to a depth of 10m.
- Low-energy, long-life, super-bright 8 LEDs
- Optional special lithium-ion battery allows normal operation where no power source is available.

# G-LINE SCOPE V-2830 / 1616S

Menu Key provides improved operation

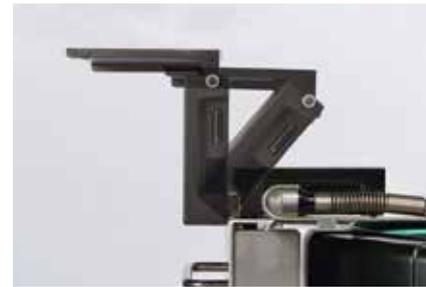
Fully integrated monitor for easy operation

Folding Monitor and Cover



5.7" TFT COLOUR LCD

SDHC memory balance  
y/m/d & time balance  
English menu also available on the monitor



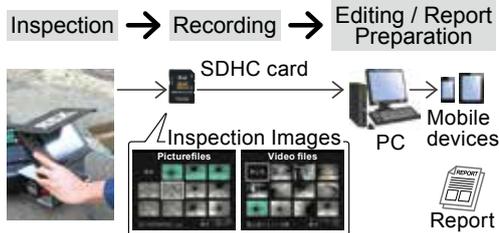
**Convenient, all-in-one, super-light design.**



Camera, Monitor, Cable, Drum all built into one compact unit.



**Perfect for preparing reports and data management after an inspection**



## GLS-V2830 / GLS1616S

Code number	44V001	440391
Product / Model	G Line Scope V2830 / GLS-V2830	G Line Scope 1616S / GLS1616S
Dimensions	350(W) × 432(D) × 153(H)mm	
Weight	6.3 kg	4.8 kg
Power supply	AC100-240V 50/60Hz(with the AC adapter)	
Current consumption	0.5A(with the AC adapter)	
Operating temperature	0° - 40° C	
Camera Head	Size; Applicable pipe diameter	φ28 / φ30- φ110
	Flexibility	φ16 / φ20- φ80
	Waterproofing	Capable of passing through two 90° elbows (φ40mm-)*
	Illumination	Capable of passing through one 90° elbows (vp30 pipe)*
Camera Cable	Waterproofing	Waterproof structure conforms to JIS-IP68 Depth 30m
	Diameter / Length	Waterproof structure conforms to JIS-IP68 Depth 10m
	Minimum bend radius	White LEDs (5)
Lens	Focal length	White LEDs (8)
	Angle of view	F2.8 f = 1.91mm (Focal range 10mm - ∞)
Camera	TV System	In water: Approx. 96° In air: Approx. 180°
	Imaging device	In water: Approx. 81° In air: Approx. 120°
	Distance display	Conforms to NTSC
Monitor	LCD Monitor	300,000 pixels C-MOS Colour sensor
Data storage format	Still picture format: JPEG	
Data storage medium	Video: H.264 Hi Profile	
Standard Accessories	SD(1GB/2GB)/SDHC(4-32GB)	
	SD Card (8GB) Focus adjustment tool Carrying case, AC adapter	

## Option



Lithium-ion Charger  
AC 100-240V  
424985 (C-plug)



Lithium-ion Battery  
424982



Lithium-ion battery installed

## G Line Scope V-2830 / 3030 / 1616S Option

Code No.	Model	Voltage	mAh Capacity	Number of charges and discharges	Charging time	(LxWxH)mm Dimensions	Weight(g)
424982	Lithium-ion Battery	10.8	1,500	500	-	60 × 53 × 85	185
424961	Lithium-ion Charger AC 100-120V	-	-	-	60	115 × 109 × 85	420
424985	Lithium-ion Charger AC 220-240V	-	-	-	60	115 × 109 × 85	420
440395	Carrying Case						



GLS3030  
Cable set  
440396



GLS1616  
Cable set  
440397



Skid 100  
440366



φ16 Cable  
adapter 21  
440385

Code No.	Model
440396	Cable set φ30 for GLS3030/1616S
440397	Cable set φ16 for GLS3030/1616S
440366	Skid 100 for GLS3030/2830
440368	Skid 150 for GLS3030/2830
440371	Skid 75 for GLS1616S/2820/2810
440385	Cable adapter 21 for GLS1616S
440393	Body unit for GLS3030/1616S

# G-LINE SCOPE 2820 / 2810

## Built-in $\phi$ 28 camera head. Super-clear images!

### Special Features

- 150.8° wide-angle lens provides clearer view of pipe wall
- Clear image from 8 white LEDs.
- Can pass through two 90° elbow bends (VU40). (Condition of pipe may affect performance.)
- Camera head built for underwater use (JIS IP68) (Up to 10m.)
- Built-in recording function allows you to save still pictures and video.
- Lithium-ion polymer batteries allow up to 4 hours use from a 2-hour charge.
- Image inversion (up/down, left/right)
- 2x Zoom
- For inspection and maintenance of the inside of pipes



GLS2820  
440316



GLS2810  
440319



Easy to carry



### GLS2820 / 2810

Code number		440316	440319
Product / Model		G-Line Scope 2820	G-Line Scope 2810
Dimensions/ Weight	Monitor :118(W) × 207(D) × 37(H)/ 380g	490(W) × 450(D) × 60(H)/ 2.2kg	
	Reel: 280(W) × 210(L) × 450(H)/ 4.4kg		
Power supply		Lithium-ion polymer battery AC 100V-240V 50/60 Hz (2-hour charge provides up to 4 hours' use.)	
Operating temperature		0° - 55° C	
Camera Head	Size; Applicable pipe diameter	$\phi$ 28 / $\phi$ 30- $\phi$ 110	
	Flexibility	Capable of passing through two 90° elbows (> $\phi$ 40mm)*	
	Waterproofing	Waterproof structure conforms to JIS-IP68 Waterproof to 10m	
	Illumination	White LEDs (8)	
Camera Cable	Diameter / Length	$\phi$ 6.6 / 20m (usable length 19m)	
	Minimum bend radius	R100 (at normal temperatures)	
Lens	Angle of view	Approx. 150.8°	
Camera	TV System	NTSC	
	Imaging device	300,000 pixels C-MOS	
Monitor	LCD Monitor	3.5" TFT LCD colour monitor	
Data storage format		Still picture format: JPEG VGA (640 × 480 pixels) Video: MPEG QVGA (320 × 240 pixels)	
Data storage medium		SD Card (8GB included)	
Standard Accessories		Carrying case*, AC adapter, USB cable, AV cable, SD Card (8GB)	

\* Flexibility may depend on burrs in the pipe, foreign bodies trapped inside, changes in pipe shape, etc.



### Option

Code No.	Model
440317*	GLS2820 Cable Set (20m)
440312	GLS2220 Cable Set (20m)
440313*	GLS2820 Cable Drum
440314	GLS2820 Carrying Case
440315*	GLS2820/2810 Carrying Case for Monitor
440371	GLS2820/2810 Skid 75
440379	GLS2810 Carrying Bag

\* standard equipment for GLS 2820

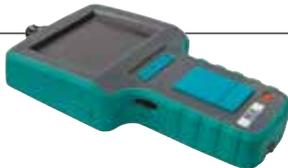
## Highly accurate examination - even of small flaws

### Special Features

- Easy attachment and removal of cables (easy to change cables according to use)
- Built-in recording function allows you to save still pictures and video. (Up to 32GB with the SDHC Card)
- 3.5" LCD monitor(Tempered glass protects screen from grease and scratches)
- Equipped with lithium-ion polymer battery. 2-hour charge provides 4 hours of use (depending on usage)
- Hands-free type  
Designed with a hole to hook it on, freeing you up to work with both hands.
- Camera cable has a water and dust proof structure (JIS IP67)
- Image inversion, 2x Zoom



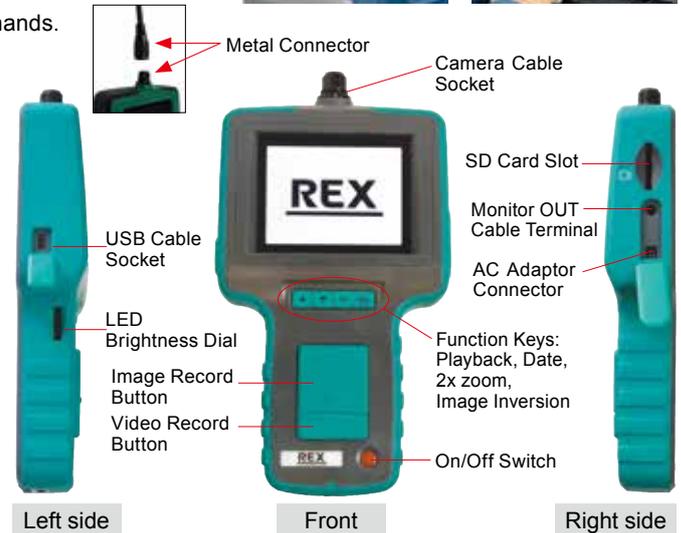
### Monitor



### Monitor

Code No.	Model
440311	Monitor for GLS2820/2810

Standard Accessories: AC Adaptor, SD Card (8GB), Video Cable, USB Cable



Choose the cable to attach to the monitor according to your needs

### Monitor



### Selection of Camera Cables

#### Soft-metal cable (softer)

Soft and flexible cable - Great for pipework that is curved or bends

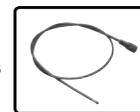


##### A. Flexi-tip cable

· When you turn the wheel anti-clockwise, the tip of the cable turns to the left; when you turn it clockwise, it turns to the right.



· When you turn the wheel anti-clockwise, the tip of the cable turns to the left; when you turn it clockwise, it turns to the right.



##### B. Soft-metal cable

· Direction of View: from the front or side; both available



#### Semi-rigid cable (more rigid, made of metal)

You can fix the cable to some extent with this more rigid cable.



##### C. Front/side view shift cable (semi-rigid type)

controller can shift between front and side view

Up for front view



Down for side view



##### D. Semi-rigid cable

· View shooting direction: front or side view



### Multi-function Cable

Controller has 3 functions



\* Flexi-tip type comes with locking function



Adjust brightness with the + and - buttons.



Push the button to rotate the image 90°.



With the built-in side mirror, you can change the angle of the light for a better view.



# Industrial Endoscopes

## Soft case and adapter



Soft carrying case  
frees both hand

Soft Carrying Case

AC Adapter

Code No.	Model
440376	Soft Carrying Case
440377	AC Adapter

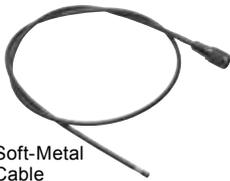
## Cable



A. Flexi-tip Cable



D. Semi-rigid Cable



B. Soft-Metal Cable



C. Front/side view shift cable (semi-rigid)



E. Multi-function Cable

**A. Flexi-tip cable** - move the camera by hand up to 150° on each side

Code No.	Model	Picture direction	Outside diameter	Cable length
440320	Flexi-tip Cable 1M	150° on each side (bended)	6.0mm	1m
440321	Flexi-tip Cable 2M			2m

**B. Soft-metal cable** - a flexible cable perfect for use with curved pipes

Code No.	Model	Picture direction	Outside diameter	Cable length
440322	Φ5.5 Soft Metal Cable FV1M	FV Front	5.5mm	1m
440323	Φ5.5 Soft Metal Cable FV2M			2m
440324	Φ5.5 Soft Metal Cable FV3M			3m

**C. Front/side view shift cable (semi-rigid)**

Code No.	Model	Picture direction	Outside diameter	Cable length
440346	Φ4.9 Semi-rigid cable SW1M	SW	4.9mm	1m
440386	Φ4.9 Semi-rigid cable SW2M	Front, Side		2m

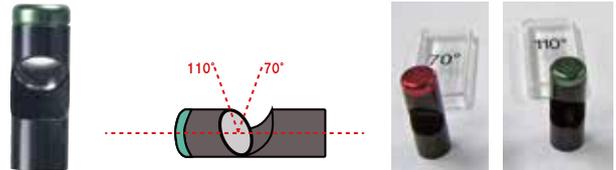
**D. Semi-rigid cable** - as it is made of metal and a little stiff, you can fix the shape to a certain extent

Code No.	Model	Picture direction	Outside diameter	Cable length
440337	Φ3.9 Semi-rigid Cable FV1M	FV	3.9mm	1m
440339	Φ3.9 Semi-rigid Cable FV3M	Front		3m
440340	Φ3.9 Semi-rigid Cable SV1M	SV		1m
440342	Φ3.9 Semi-rigid Cable SV3M	Side	3m	
440331	Φ5.5 Semi-rigid Cable FV1M	FV Front	5.5mm	1m
440332	Φ5.5 Semi-rigid Cable FV2M			2m
440333	Φ5.5 Semi-rigid Cable FV3M			3m

**E. Multi-function Cable**

Code No.	Model	Picture direction	Outside diameter	Cable length
440387	Flexi-tip multi-function cable	150° on each side	6.0mm	3m
440388	Φ5.5 Soft metal cable with side mirror	FV Front	5.5mm	

## Cable options



Side Mirrors attach to the tip for lateral view. Angles: 70°, 110°  
Attaching Side Mirrors increases diameter of the camera by approx. 1mm.

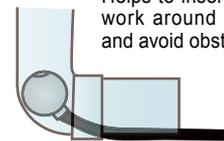
**Φ5.5 Side mirror**

Code No.	Model
440347	Φ5.5 Side Mirror/70°
440349	Φ5.5 Side Mirror/110°

**Aluminium Ball**



Helps to insert the camera, work around elbow bends and avoid obstacles.



**Hook & Magnet**

Helps to remove foreign bodies found in the pipe. Use the hook for catching small objects and the magnet for screws and other magnetic objects

**Φ5.5 Aluminium ball, hook, magnet**

Code No.	Model
440372	Φ5.5 Aluminium Ball
440378	Φ5.5 Hook & Magnet



**Actual example**

Put the flexi-tip cable into the sleeve and fix it with one hand; then move the cable end with the other hand. Tube length 43cm.



**Tube sleeve**

Code No.	Model
440375	6.0MM Cable Sleeve

# RS-30 High-efficiency oxygen solution system

**Provides high density oxygenated water produced in a tank, instead of direct aeration in a pool**

**Designed for high-efficiency oxygen solution with less waste. Provides higher density oxygenated water.**

## Special Features

- The oxygen solution is about 5 times greater than in the natural state (internal data)
- Accelerates growth of aquatic life, with less cost
- Control system with warning lamp
- Removes nitrogen
- Resin body protects from corrosion by sea water or copper ion water.

## RS-30 High-efficiency Oxygen Solution System

Code No.	403050
Dimensions (mm)	W940 x D1030 x H2100
Weight (kg)	285
Motor	3-phase AC 200V 60Hz(50Hz)
Power consumption	3.7kw
Rated current	14A

## Control system equipped with warning lamp for safe operation

- A density meter turns on the warning light when the oxygen density becomes less than its pre-setting range due to zeolite consumption etc.
- The warning lamp comes on when oxygen flow stops if the compressor stops working or the temperature in the pipe network is abnormal, etc.



Oxygen generator RSN-15L  
403010 / 403015

## Oxygen generator RSN-15L

Code No.	403010/403015
Dimensions (mm)	W1300 x D650 x H1300
Weight (kg)	230
Motor	3-phase AC 200V 60Hz(50Hz)
Power consumption	1506W
O <sub>2</sub> flow pressure	0.06MPa - 0.1MPa
O <sub>2</sub> flow rate	1 - 7L x 2 (Total 14L)
O <sub>2</sub> density	70 - 93%
Ambient temperature	5 - 40°C
Ambient moisture	80% or less
Noise rate	50db (2m away)

\* O<sub>2</sub> flow rate is adjustable.



## The ultimate solution for improving water quality in aquaculture farms

### Clogging indication tube safeguards a steady water flow

The device has a clogging indication tube with a built-in valve, which adjusts the water flow if there is any clogging in the nozzle or in the filter in the pump intake.



Micro-bubbler RV-007  
403500

## Micro-bubbler RV-007

Code No.	403500
Dimensions (mm)	W460 x D850 x H540
Weight (kg)	28
Motor	3-phase AC 200V 60Hz(50Hz)
Power consumption	1500W
Rated current	7.1A (7.3A)

# High-pressure washer

Easy to carry around! A compact design packing a powerful punch.

Designed for 100V Amazing power!

## WASHKING RZ3

For sale in Japan only

100 V

Flow rate

5.5 L/min

**Use:** For cleaning around the home – drains, tanks, cesspits, outside walls, shutters, bathrooms, spas, pools and cars. Removes oil and grease spots from cars, motorbikes, trucks etc.

### Special Features

- Large carrying handle and built-in wheels make it easy to transport.
- Great for storage  
Gun, nozzle and hose can all be packed away in the unit to facilitate easy storage
- Easy to use front-mounted switch  
The switch is mounted on the front for easy operation.



RZ3  
440062

### Performance and Equipment

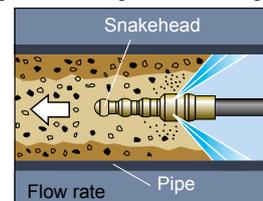
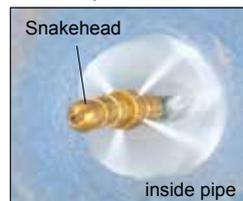
Power : 100V 1350W Series Motor  
 Dimensions (mm) : L310 × W290 × H778  
 Standard Accessories : Gun, Lance, High-pressure hose, Hose band, Nozzle cleaner, Coupler hose for tap-water direct connection (with coupler), In-take strainer hose (with coupler)

Code No.	Model	Frequency (Hz)	Pump Flow Pressure (MPa)	Flow rate (L/min)	Weight (kg)
440062	RZ3	50/60	7.3	5.5	9

### Optional Accessories

	Code No.	Name
	440065	Snakehead Cleaning Kit (10m)
	440066	Snakehead Cleaning Kit (15m)
	440067	Snakehead Cleaning Kit (20m)
	440060	Extended High Pressure Hose (10m) (for RZ2/RZ3)

Optional Snakehead Cleaning Kits are designed for cleaning drains.



## Automatic water-intake engine High-pressure washer

For sale in Japan only

Engine type

10.5 - 12 L/min

Light weight. Perfect for when working alone

### Special features

- High-pressure hose or gun easily attach to the main unit with one-touch coupler.
- FA Nozzle for adjustment of water spray fitted as standard.
- For forestry industry: Use the optional Tornado nozzle to tear off bark of trees. (JA160G-f).

### Noise insulation type

### Noise reduction type



GB160-R  
440178

Photo showing standard equipment



GE160-R  
440158



JQ1011GN  
440155



JA160GL  
440156

Code No.	440155	440156	440178	440158
Model	JQ1011GN	JA160GL	GB160-R	GE160-R
Pump Flow pressure (Mpa)	10	16	16	16
Flow rate (L/min)	11	12	12	12
Pipe cleaning capacity	-Φ100	-Φ150	-Φ150	-Φ150
Weight (kg)	24	28	49	45
Dimensions (L×W×H)mm	470 × 360 × 470	650 × 440 × 695	550 × 508 × 581	528 × 445 × 653
Rated output (Ps)	3.1	4.7	4.5	4.7
Tank capacity (L)	2.5	3.6	13.0	3.6
Continuous operation	Approx. 2.7 hrs	Approx. 2.5 hrs	Approx. 10.0 hrs	Approx. 2.5 hrs
Standard accessories	Gun 3P-PF22-3S, Hose 9Mx10m (with coupler), Suction hose 1/2R 3m, Recycling (surplus water) hose 3/8R 3m, Strainer #32, Lance LC-7, FA Nozzle FAM			

**flutech**

**REX**

# High-pressure washer

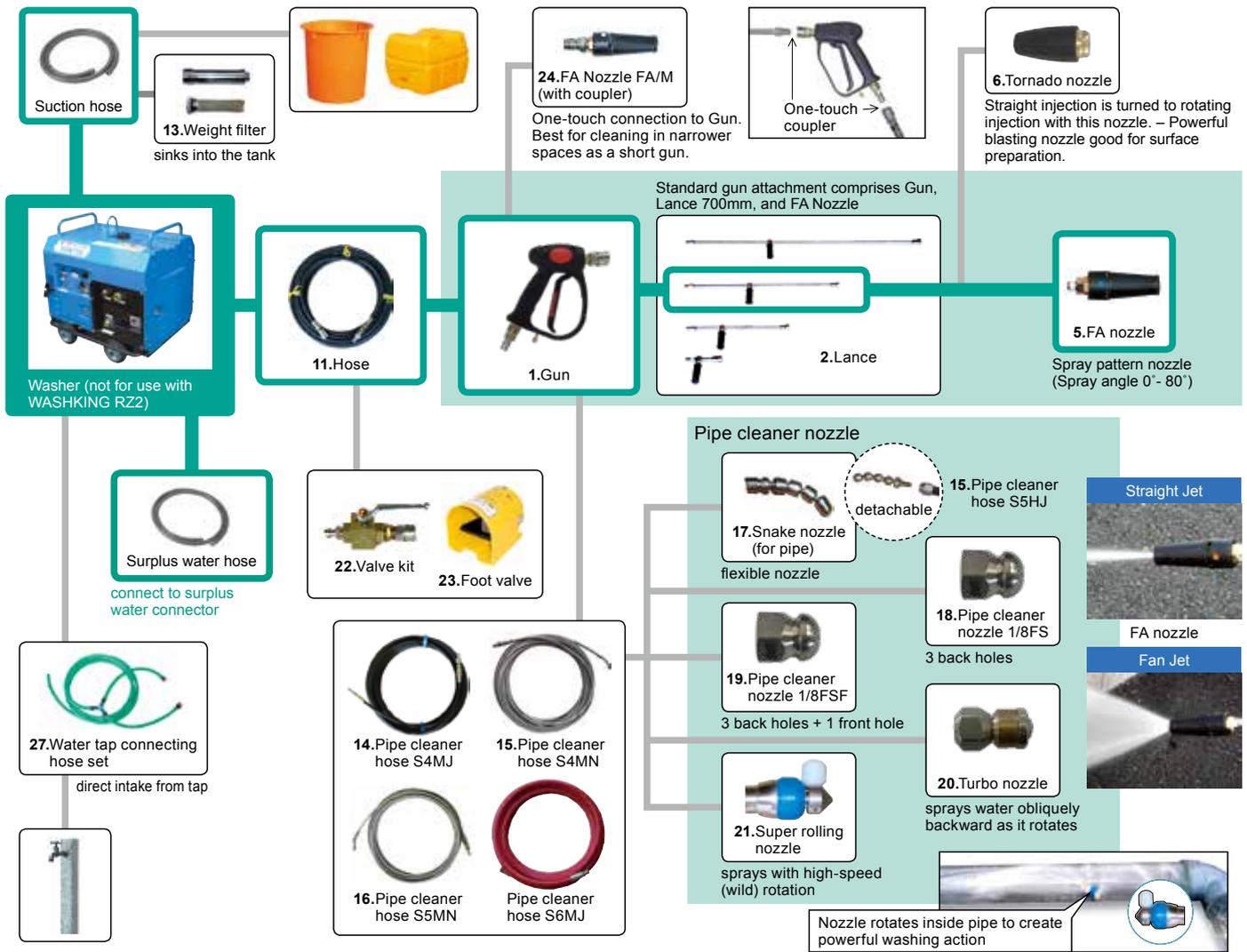


Chart No.	Code No.	Model	Remarks	Pump flow pressure	
1	440181	Gun (Coupler type) 3P-PF25-3S*	Flow rate 30L	-28MPa	
2	440193	Lance (without nozzle) LC-4 (400mm)		-20MPa	
	440182	LC-7 (700mm)*			
	440222	LC-11 (1100mm)			
5	440185	FA (free angle) nozzle FA/M (Resin)*		-30MPa	
	440225	FA/B (Brass)			
6	440188	Tornado nozzle MN		-21MPa	
11	440227	Hose (with coupler) 9M 10m*	ID: 9.5	-15MPa	
	440228	9M 20m			
	440229	9M 30m			
	440624	9H 10m		-20MPa	
	440625	9H 20m			
	440626	9H 30m			
13	440192	Weight filter			
	440638	Pipe cleaner hose (with coupler) S4MJ	Urethane hose ID: 3.2 OD: 7.9 PD: 40-50		
	440639				10m+½FS
	440641				10m+½FSS
	440642				15m+½FS
	440644				15m+½FSS
	440645				20m+½FS
	440645				20m+½FSS
	440236				10m+½FS
	440237				10m+½FSS
440239	15m+½FS				
14	440241	Pipe cleaner hose (with coupler) S5MJ	Urethane hose ID: 4.8 OD: 9.5 PD: 40-100	-15MPa	
	440243				15m+½FSS
	440243				20m+½FS
	440244				20m+½FSS
	440616				10m+¼R
	440617				20m+¼R
	440618				30m+¼R
	440278				20m+¾R
440280	30m+¾R				
14	440638	Pipe cleaner hose (with coupler) S4MJ	Urethane hose ID: 3.2 OD: 7.9 PD: 40-50		
	440639				10m+½FS
	440641				10m+½FSS
	440642				15m+½FS
	440644				15m+½FSS
	440645				20m+½FS
	440645				20m+½FSS
	440236				10m+½FS
	440237				10m+½FSS
	440239				15m+½FS
14	440241	Pipe cleaner hose (with coupler) S5MJ	Urethane hose ID: 4.8 OD: 9.5 PD: 40-100	-15MPa	
	440243				15m+½FSS
	440243				20m+½FS
	440244				20m+½FSS
	440616				10m+¼R
	440617				20m+¼R
	440618				30m+¼R
	440278				20m+¾R
440280	30m+¾R				

Chart No.	Code No.	Model	Remarks	Pump flow pressure	
15	440681	5m+M7FS	Wire netting hose ID: 3.6 OD: 6.1 PD: 30-65 (M7FS/M7FSS nozzles are only for S4MN)	-15MPa	
	440682	5m+M7FSS			
	440684	10m+M7FS			
	440685	10m+M7FSS			
	440687	15m+M7FS			
	440688	15m+M7FSS			
	440690	20m+M7FS			
	440691	20m+M7FSS			
	440631	5m+½FS			Wire netting hose ID: 4.8 OD: 8.2 PD: 40-100
	440632	5m+½FSS			
440246	10m+½FS				
440247	10m+½FSS				
440249	15m+½FS				
440250	15m+½FSS				
440256	20m+½FS				
440257	20m+½FSS				
17	440287	½FSS	Snake type (6 holes)		
	440693	M7FSS			
	440288	½FS			
18	440694	M7FS	Pipe cleaner nozzle		
	440292	¾R			
	440692	¼R			
	440692	¼R			
19	440289	½FSF	3 back + 1 front		
20	440294	Turbo nozzle	½	-25Mpa	
21	440298	Super rolling nozzle			
22	440296	Valve kit (with coupler) ¾-3T		-21MPa	
	440297	¾-4T			
23	440646	Foot valve FV200-3T	Flow rate: 30L	-28MPa	
	440647	FV200-4T			
24	440648	FA Nozzle M		-21MPa	
	440649	(with coupler) B		-30MPa	
27	440652	Water tap hose set 5m hose	specify ½-¾ or ¾-½		

\* Standard accessory, ID: Inside diameter (mm), OD: Outside diameter (mm), PD: Applicable pipe size (nominal)

# HYPER / SABER SAW

## HYPER SAW XS130S

For sale in Japan only

up to 125A ( 5" )

Formidable power in cutting stainless steel pipe



**Standard Accessories:**

Saw blades No. 34 : one,  
Hex-key wrench, Case

XS130S

Code No.	3803131
Model	Hyper Saw XS130S
Cutting capacity	Steel pipe : up to O. D of 130 mm (125A)* PVC pipe : up to O. D of 130 mm (125A : 5") Mild steel materials : up to 19 mm
Voltage (V)	100
Motor	Single phase series motor (50/60 Hz) Input 1200 W
No. of Strokes (1/min)	1000 - 2800 (stroke 27 mm)
Main unit weight (kg)	4.0

\* Saw blade No.34/380034 option required for cutting 100A pipe.

## For cutting underground pipes!

## SABER SAW 300

For sale in Japan only

50A -350A ( 2"-14" )

- Cutting unit and motor are separated for safe operation when cutting underground pipes.
- For replacing thermally deformed gas pipes, or replacing water mains with earthquake resistant pipes.
- Can be used safely where sparks are to be avoided or in case water remains inside pipes.



SABER SAW 300  
380310  
for steel pipe

Code No.	380310
Model	SABER SAW 300
Cutting capacity	50A-350A (2"-14" )
Voltage (V)	100
Motor	Single-phase condenser motor. Output 750 W
Strokes (mm)	60
No. of Strokes (1/min)	308 (50 Hz) , 370 (60 Hz)
Weight (kg)	Body: 9.5 Vice: 12 Motor case: 23 Flexible shaft (3.5 m): 7.5
Standard accessories	HSS saw blades: For 150A, 200A, 300A – 1 each Tool Box Lever weights (8 kg) – 2 Complete set of tools (in tool box), Weight axis, Flooding device set

Note: When cutting mortar lined ductile cast iron pipes used for water mains, use a grid saw.

\* discontinued

Code No.	Type (Product name)	Appropriate Pipe Size. A (inch)	Length (mm)	Teeth (per inch)	Thick-ness (mm)	Width (mm)	Material	Use
383150	150A	50 - 150 (2 - 6)	335	10	2	30	HSS	Cast iron pipe Ductile cast iron pipes for gas Steel pipe Polyethylene-coated steel pipe PVC-coated steel pipe, PVC pipe
383200	200A	50 - 200 (2 - 8)	395	9				
383250	250A	50 - 250 (2 - 10)	455					
383300	300A	50 - 300 (2 - 12)	505					
383350	350A	50 - 350 (2 - 14)*	555					
38315G	G150A	50 - 150 (2 - 6)	335				-	Grid saw
38320G	G200A	50 - 200 (2 - 8)	395	-				
38325G	G250A	50 - 250 (2 - 10)	455					
38330G	G300A	50 - 300 (2 - 12)	505					
38335G	G350A	50 - 350 (2 - 14)*	555				-	

\* When cutting 350A (14") pipe, a saw blade support (S395) is required in addition to the saw blade.

## Digital display indicates angle of bend. Easy set up and slow-start function improves efficiency

### Electric pipe and tube bender REB32

For sale in Japan only

7/8" - 1 1/4"

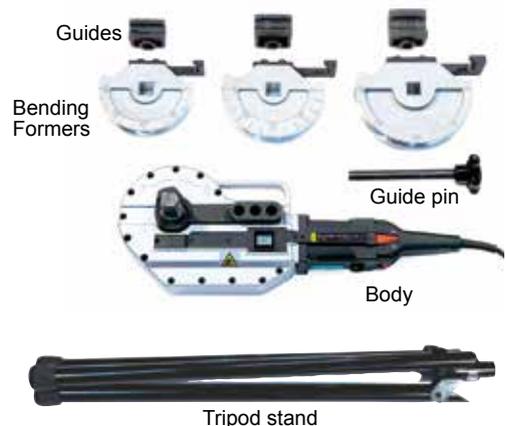
No joint required, reduced brazing points, greatly saves time.

- Semi hard and soft copper pipes : 7/8", 1", 1 1/8", 1 1/4"
- Stainless steel pipes (thin walled) : 20Su (Φ22.22)
- Electric wire pipes : E25, C25, E31, C31

- Easy-to-read digital angle display.
- Settings can be made while gripping the machine in one hand and just turning the dial (1° intervals).
- Easy to check the angle.
- With all sizes, radius of the bend is four times the diameter of copper pipe.
- Stops automatically once bending is complete
- Slow starter allows fine tuning.
- Simple to set up pipes.
- Rubber feet on tripod stand fitted as standard protects floor surfaces.



Carrying case



Code No.	Model	Voltage (50/60Hz) AC (V)	Motor	Weight* (kg)	Dimensions L x W x H (mm)
424130	REB32	100	Single-Phase Series motor (1200 W)	14.4	630 x 230 x 190

\* Body unit only

## TORCH-AN

For sale in Japan only



Adjustable flame



Adjustable air volume



Can be used in inverted position

# PLASTIC PIPE TOOLS

## Plastic Pipe Cutter Hyper Saw XS150S / Cutter Guide

Double insulation 89 mm - 355 mm



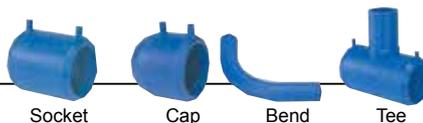
Code No.	Model	Applicable pipe (mm)	Weight (kg)
380160	Hyper Saw XS150S 220V	89 - 216	3.9
381500	Plastic Pipe Cutter Guide SV200		5.0
314051	Plastic Pipe Cutter Guide SV250	89 - 250	7.0
314052	Plastic Pipe Cutter Guide SV355	89 - 355	8.5

### Saw Blade for Plastic Pipe

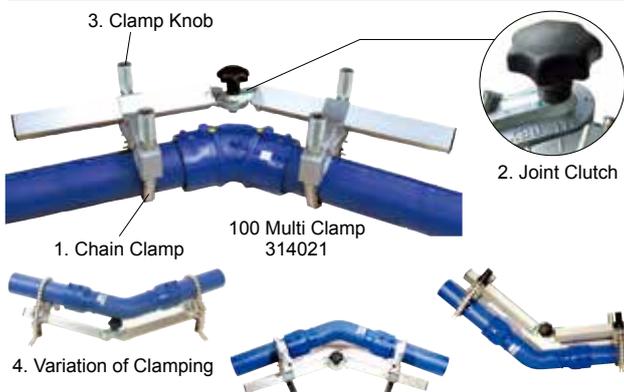
Code No.	Model	Applicable pipe (mm)
381555	Saw Blade for Rex Hyper Saw No. 25	89 - 216
314055	Saw Blade 450 for Plastic Pipe	89 - 250
314056	Saw Blade 480 for Plastic Pipe	89 - 355

## Plastic Pipe tool Multi-clamp

Clamp for socket joint ▶



50 - 200



- Chain clamp allows for wide range of applicable sizes.  
100: nominal size 50, 75, 100 200: nominal size 100, 150, 200
- Easy angle adjustment: 32 teeth on clutch for angle adjustment.
- Clamp knob for easy fastening.  
Large clamp knob and built-in screw improves maintenance.
- 4-way clamp setting.  
4 ways of setting: upper, lower, outside and inside.

Code No.	Model	Applicable Size (Nominal)	Applicable joint
314021	100 Multi Clamp	50 - 75 - 100	Socket, Bend, T-type, Single socket (S.S.) straight, S.S. bend, S.S. Tee
314022	200 Multi Clamp	100 - 150 - 200	

## SHUT-OFF TOOL 50, 75, 100

For sale in Japan only

25 - 100



Code No.	Model	Applicable Size (Nominal)
310488	Shut-off Tool 50-II	25 - 50
310493	Hydraulic Shut-off Tool 75	25 - 75
311400	Hydraulic Shut-off Tool 100 for Gas	50 - 100
314200	Hydraulic Shut-off Tool 100 for Water	50 - 100
310495	Hydraulic Pump for SoT.100	-
310496	Hydraulic Pump Hose for SoT.100	-

## PE PIPE SCRAPER / PE Pipe Scraper

314140-314145



Code No.	Model	Applicable pipe size (Nominal)
314140	Scraper AW20	20
314141	Scraper AW25 / Gas25	25
314142	Scraper AW30 / Gas30	30
314143	Scraper AW40 / Gas40	40
314144	Scraper AW50 / Gas50	50
314145	Scraper AW75 / Gas75	75
314153	Scraper JW50	50
314154	Scraper JW75	75
314165	Scraper Joint	-
314160	Scraper Blade 20	20
314161	Scraper Blade 25-40	25 - 40
314162	Scraper Blade 50-75	50 - 75

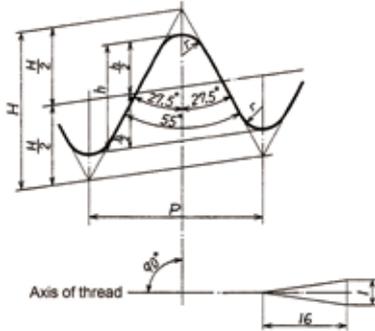
## Taper Pipe Thread JIS B 0203:1999\* (BSPT)

Extracted and partly modified from JIS B 0203:1999. For further information, please refer to JSA, Japanese Standards Association, [http://www.jsa.or.jp/default\\_english.asp](http://www.jsa.or.jp/default_english.asp).

**Inspection** The threads manufactured in accordance with this Annex shall, as a rule, be inspected with limit gauge for taper screw thread specified in annex (normative) to JIS B 0253.

### Attached Table 1 Basic Thread Profile, Basic Dimensions and Tolerances

Basic profile applied for taper external and taper internal threads



Thick solid line shows the basic thread profile

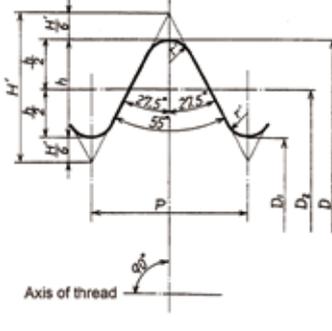
$$P = \frac{25.4}{n}$$

$$H = 0.960\ 237\ P$$

$$h = 0.640\ 327\ P$$

$$r = 0.137\ 278\ P$$

Basic profile applied for parallel internal threads



Thick solid line shows the basic thread profile

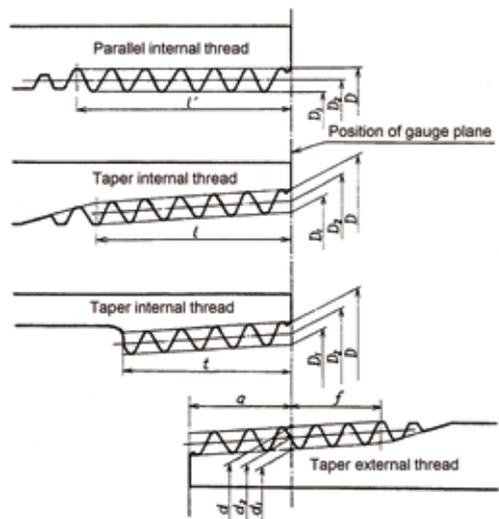
$$P = \frac{25.4}{n}$$

$$H' = 0.960\ 491\ P$$

$$h = 0.640\ 327\ P$$

$$r = 0.137\ 329\ P$$

Fitting between taper external thread and taper internal or parallel internal thread



### Attached Table 1 Basic Thread Profile, Basic Dimensions and Tolerances (concluded)

(Unit: mm)

Designation of thread size <sup>(3)</sup>	Thread				Gauge diameter			Position of gauge plane			Tolerance on $D$ , $D_2$ and $D_1$ of parallel internal thread	Length of useful thread (min.)				Size of carbon steel pipe for ordinary piping (Reference)	
	Number of threads (in 25.4mm)	Pitch (informative)	Height of thread	Radius	External thread			External thread		Internal thread		External thread	Internal thread		Outside diameter	Thickness	
					Major dia.	Pitch dia.	Minor dia.	From pipe end		At pipe end		When there is incomplete thread part	When there is no incomplete thread part				
					$d$	$d_2$	$d_1$	Gauge length	Axial tolerance	Axial tolerance		Taper internal thread	Parallel internal thread	Taper internal thread, parallel internal thread			
					Internal thread							From position of gauge plane to larger diameter end	From end of pipe or coupler	<sup>(4)</sup>			
Major dia.	Pitch dia.	Minor dia.	$a$	$b$	$c$	$f$	$l$	$l'$	$l$								
R $\frac{1}{8}$	28	0.907 1	0.581	0.12	7.723	7.142	6.561	3.97	±0.91	±1.13	±0.071	2.5	6.2	7.4	4.4	—	—
R $\frac{1}{4}$	28	0.907 1	0.581	0.12	9.728	9.147	8.566	3.97	±0.91	±1.13	±0.071	2.5	6.2	7.4	4.4	10.5	2.0
R $\frac{3}{8}$	19	1.336 8	0.856	0.18	13.157	12.301	11.445	6.01	±1.34	±1.67	±0.104	3.7	9.4	11.0	6.7	13.8	2.3
R $\frac{1}{2}$	19	1.336 8	0.856	0.18	16.662	15.806	14.950	6.35	±1.34	±1.67	±0.104	3.7	9.7	11.4	7.0	17.3	2.3
R $\frac{3}{4}$	14	1.814 3	1.162	0.25	20.955	19.793	18.631	8.16	±1.81	±2.27	±0.142	5.0	12.7	15.0	9.1	21.7	2.8
R1	14	1.814 3	1.162	0.25	26.441	25.279	24.117	9.53	±1.81	±2.27	±0.142	5.0	14.1	16.3	10.2	27.2	2.8
R1	11	2.309 1	1.479	0.32	33.249	31.770	30.291	10.39	±2.31	±2.89	±0.181	6.4	16.2	19.1	11.6	34	3.2
R1 $\frac{1}{4}$	11	2.309 1	1.479	0.32	41.910	40.431	38.952	12.70	±2.31	±2.89	±0.181	6.4	18.5	21.4	13.4	42.7	3.5
R1 $\frac{1}{2}$	11	2.309 1	1.479	0.32	47.803	46.324	44.845	12.70	±2.31	±2.89	±0.181	6.4	18.5	21.4	13.4	48.6	3.5
R2	11	2.309 1	1.479	0.32	59.614	58.135	56.656	15.88	±2.31	±2.89	±0.181	7.5	22.8	25.7	16.9	60.5	3.8
R2 $\frac{1}{2}$	11	2.309 1	1.479	0.32	75.184	73.705	72.226	17.46	±3.46	±3.46	±0.216	9.2	26.7	30.1	18.6	76.3	4.2
R3	11	2.309 1	1.479	0.32	87.884	86.405	84.926	20.64	±3.46	±3.46	±0.216	9.2	29.8	33.3	21.1	89.1	4.2
R4	11	2.309 1	1.479	0.32	113.030	111.551	110.072	25.40	±3.46	±3.46	±0.216	10.4	35.8	39.3	25.9	114.3	4.5
R5	11	2.309 1	1.479	0.32	138.430	136.951	135.472	28.58	±3.46	±3.46	±0.216	11.5	40.1	43.5	29.3	139.8	4.5
R6	11	2.309 1	1.479	0.32	163.830	162.351	160.872	28.58	±3.46	±3.46	±0.216	11.5	40.1	43.5	29.3	165.2	5.0

Notes <sup>(3)</sup>: This designation is for taper external threads, and for taper internal threads and parallel internal threads, the notation R shall be substituted by Rc or Rp.

<sup>(4)</sup>: In case of the taper thread, length from position of gauge plane to smaller diameter end, and in case of parallel internal thread, length from the end of pipe or coupler.

Remarks 1: The thread shall be perpendicular to the axis, and the pitch shall be measured in parallel with the axis.

2: The length of useful thread is the length of completely screwed part, except the last several threads which may be truncated at the crest by its intersection with the cylindrical surface of the pipe or coupler. The chamfered end of the pipe or coupler, is included in the length of useful thread part.

# Technical Information

## Making the Best Threads

### How you cut steel pipes has a great influence on the shape of a thread

#### 1) Use the most appropriate cutting tool for the type of pipe used.

Depending on your intended use, refer to the following for cutting steel pipes used for construction equipment.

Type	Blade	Appropriate REX Products	Steel Pipe	Stainless Steel Pipe
Band saw cutting machine	 Band saw	Mantis 125/120A/180WS/180WA/270A	OK	OK
Circular saw cutting machine	 Circular saw	Carbide cutter TC-20 -150	OK	✗
Pipe cutter	 Cutter wheel	Cutter on pipe machine (standard equipment)	OK	OK*

Table 1. Types of Cutter and their use

\* Optional cutter wheel

#### 2) Cutting precision has a great influence on the shape of the thread.

Only use pipes with a flat, right-angled cut. Avoid using pipes with a slant or step of more than 1 mm. (Fig. 1)

- When a thread is cut on a steel pipe that has been correctly cut at right angles, the 4 dies work in unison to cut a perfect thread. (Fig. 2)
- When a thread is cut on a steel pipe where the end of the pipe is slanted or has steps, the result is a polygonal thread or a pipe of uneven thickness. (Fig. 3)

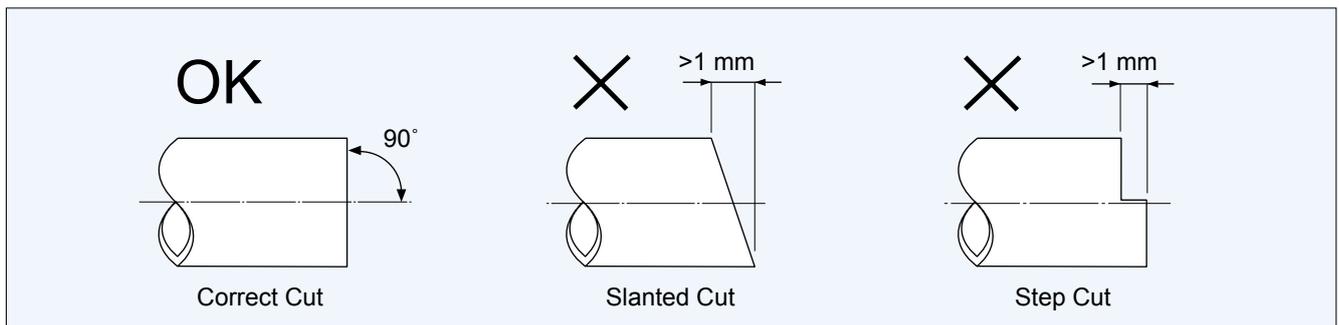


Fig. 1 Acceptable and unacceptable pipe ends

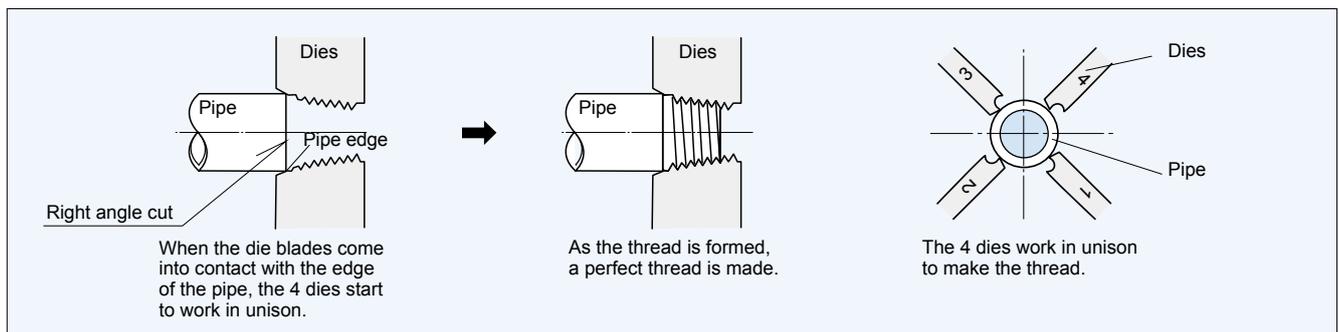


Fig. 2 Principle of cutting threads with a set of dies

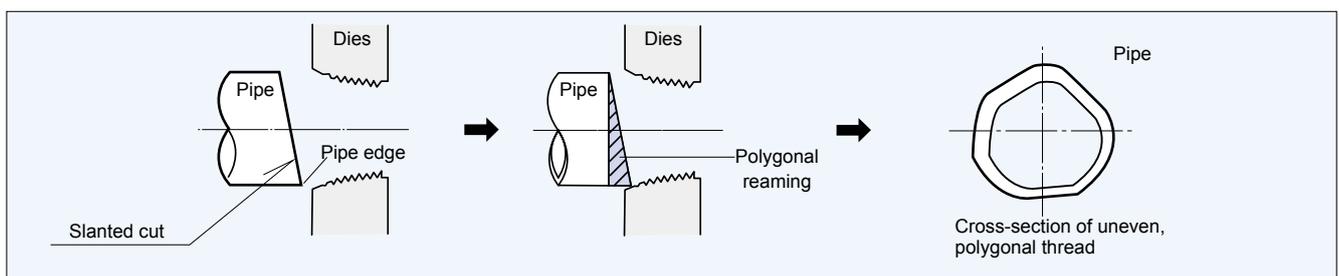


Fig. 3 Principle of polygonal threads

## Using the right oil means consistent finishes and increases the life of the dies

### 1) Cutting oil comes in 3 types: for use with tap water pipes, general plumbing, and stainless steel pipes.

As shown in the table below, use the correct cutting oil according to the type of pipe. (Table 2)

**Note:** Using cutting oil for stainless steel on steel pipes will result in imperfect threads and leakages.

Cutting oil \ Type of pipe	Steel pipes for tap water	Stainless steel pipes	General plumbing pipes
For tap water pipes 50W-R, N50W	OK	×	OK
For general plumbing 246-R, N246	×	×	OK
For stainless steel pipes 100SW-R	×	OK	×

Table 2. Appropriate cutting oil

### 2) Changing cutting oil, and causes of a reduction in oil performance



If any of the following occurs, it means it is time to change the cutting oil.

- If the oil becomes cloudy: This is the result of water getting mixed into the oil. If the cutting oil contains more than 20% water, the life of the dies will be drastically reduced.
- If the oil turns black: When the amount of oil flowing from the die head is reduced, the surfaces where the pipe is cut get very hot and smoke is produced. This greatly reduces the performance of the oil.
- If the oil becomes 'shiny': This means that microscopic colloidal sediment or metal powder has become mixed in with the oil. Change the oil.

### 3) Amount of cutting oil

The oil coming from the die head should flow continuously without interruption, and no smoke should be produced.

## Inspecting the Thread

After making a thread, inspect it both visually and with a thread gauge to ensure it is accurate.

### Inspection with a tapered thread ring gauge

ISO 7/1 (JIS B0203) Male Tapered Thread for Pipe

a: standard distance from pipe edge

b, b': allowance from pipe edge along the axis

Thread is acceptable if the pipe edge is located between b and b' after you screw the pipe thread into the ring gauge with your hand.

Gauge: see page 32.

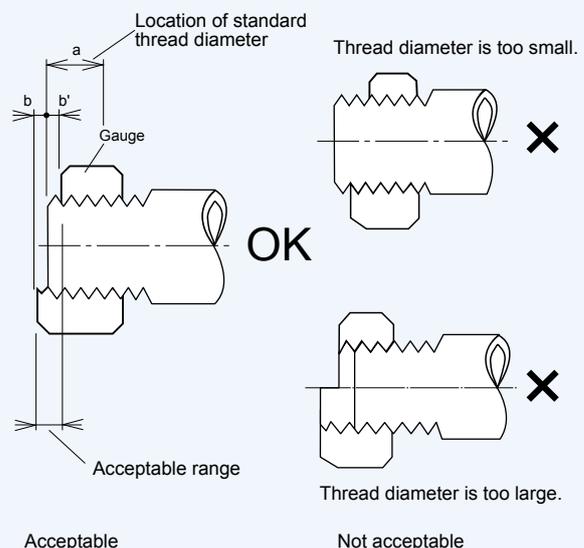


Fig. 4 Inspecting the Thread

# Technical Information

## Steel pipes:

Carbon steel pipes for ordinary piping : SGP

Carbon steel pipes for pressure service : STPG

Nominal size		Outside diameter (mm)	SGP (JIS G3452)	STPG (JIS G3454)					
				Nominal thickness					
A	B			Sch10	Sch20	Sch30	Sch40	Sch60	Sch80
		Wall thickness (mm)							
6	1/8"	10.5	2.0	-	-	-	1.7	2.2	2.4
8	1/4"	13.8	2.3	-	-	-	2.2	2.4	3.0
10	3/8"	17.3	2.3	-	-	-	2.3	2.8	3.2
15	1/2"	21.7	2.8	-	-	-	2.8	3.2	3.7
20	3/4"	27.2	2.8	-	-	-	2.9	3.4	3.9
25	1"	34.0	3.2	-	-	-	3.4	3.9	4.5
32	1 1/4"	42.7	3.5	-	-	-	3.6	4.5	4.9
40	1 1/2"	48.6	3.5	-	-	-	3.7	4.5	5.1
50	2"	60.5	3.8	-	3.2	-	3.9	4.9	5.5
65	2 1/2"	76.3	4.2	-	4.5	-	5.2	6.0	7.0
80	3"	89.1	4.2	-	4.5	-	5.5	6.6	7.6
90	3 1/2"	101.6	4.2	-	4.5	-	5.7	7.0	8.1
100	4"	114.3	4.5	-	4.9	-	6.0	7.1	8.6
125	5"	139.8	4.5	-	5.1	-	6.6	8.1	9.5
150	6"	165.2	5.0	-	5.5	-	7.1	9.3	11.0
200	8"	216.3	5.8	-	6.4	7.0	8.2	10.3	12.7
250	10"	267.4	6.6	-	6.4	7.8	9.3	12.7	15.1
300	12"	318.5	6.9	-	6.4	8.4	10.3	14.3	17.4
350	14"	355.6	7.9	6.4	7.9	9.5	11.1	15.1	19.0
400	16"	406.4	7.9	6.4	7.9	9.5	12.7	16.7	21.4

## Stainless steel pipes (JIS G3459)

Nominal size		Outside diameter (mm)	Nominal thickness				
			Sch5S	Sch10S	Sch20S	Sch40	Sch80
A	B		Wall thickness (mm)				
6	1/8"	10.5	1.0	1.2	1.5	1.7	2.4
8	1/4"	13.8	1.2	1.65	2.0	2.2	3.0
10	3/8"	17.3	1.2	1.65	2.0	2.3	3.2
15	1/2"	21.7	1.65	2.1	2.5	2.8	3.7
20	3/4"	27.2	1.65	2.1	2.5	2.9	3.9
25	1"	34.0	1.65	2.8	3.0	3.4	4.5
32	1 1/4"	42.7	1.65	2.8	3.0	3.6	4.9
40	1 1/2"	48.6	1.65	2.8	3.0	3.7	5.1
50	2"	60.5	1.65	2.8	3.5	3.9	5.5
65	2 1/2"	76.3	2.1	3.0	3.5	5.2	7.0
80	3"	89.1	2.1	3.0	4.0	5.5	7.6
90	3 1/2"	101.6	2.1	3.0	4.0	5.7	8.1
100	4"	114.3	2.1	3.0	4.0	6.0	8.6
125	5"	139.8	2.8	3.4	5.0	6.6	9.5
150	6"	165.2	2.8	3.4	5.0	7.1	11.0
200	8"	216.3	2.8	4.0	6.5	8.2	12.7
250	10"	267.4	3.4	4.0	6.5	9.3	15.1
300	12"	318.5	4.0	4.5	6.5	10.3	17.4
350	14"	355.6	-	-	-	11.1	19.0
400	16"	406.4	-	-	-	12.7	21.4

## Rigid steel conduit (JIS C8305)

### Thicker conduit

Nominal size	Outside diameter (mm)	Thickness (mm)
G**(PF*)		
1/2" (16)	21.0	2.3
3/4" (22)	26.5	2.3
1" (28)	33.3	2.5
1 1/4" (36)	41.9	2.5
1 1/2" (42)	47.8	2.5
2" (54)	59.6	2.8
2 1/2" (70)	75.2	2.8
3" (82)	87.9	2.8
3 1/2" (92)	100.7	3.5
4" (104)	113.4	3.5

### Thinner conduit

Nominal size	Outside diameter (mm)	Thickness (mm)
C***		
19	19.1	1.6
25	25.4	1.6
31	31.8	1.6
39	38.1	1.6
51	50.8	1.6
63	63.5	2.0
75	76.2	2.0

\*\*\*Thread CTC: JIS C 8305 Appendix, former JIS B 0204

\*Thread PF: former JIS B 0202

\*\*Thread CTG: JIS C 8305 Appendix, former JIS B 0204, equivalent to the Thread G (BSPP): JIS B 0202/ISO 228-1

## Light gauge stainless tube for ordinary piping (JIS G3448)

Nominal size	Outside diameter (mm)	Thickness (mm)
Su		
8	9.52	0.7
10	12.7	0.8
13	15.88	0.8
20	22.22	1.0
25	28.58	1.0
30	34.0	1.2
40	42.7	1.2
50	48.6	1.2
60	60.5	1.5
75	76.3	1.5
80	89.1	2.0
100	114.3	2.0
125	139.8	2.0
150	165.2	3.0

## Stainless steel sanitary pipes (JIS G3447)

Outside diameter (mm)	Thickness (mm)
25.4	1.2
31.8	1.2
38.1	1.2
50.8	1.5
63.5	2.0
76.3	2.0
89.1	2.0
101.6	2.0
114.3	3.0
139.8	3.0
165.2	3.0

## Steel pipe : EN10255 (transition from BS1387)

Nominal size	Type L2(L)			Series M&H		M	H
	Outside diameter (mm)		Wall Thickness (mm)	Outside diameter (mm)		Wall Thickness (mm)	Wall Thickness (mm)
	Min.	Max.		Min.	Max.		
6	1/8"	-	-	9.8	10.6	2.0	2.6
8	1/4"	13.2	13.6	13.2	14.0	2.3	2.9
10	3/8"	16.7	17.1	16.7	17.5	2.3	2.9
15	1/2"	21.0	21.4	21.0	21.8	2.6	3.2
20	3/4"	26.4	26.9	26.5	27.3	2.6	3.2
25	1"	33.2	33.8	33.3	34.2	3.2	4.0
32	1 1/4"	41.9	42.5	42.0	42.9	3.2	4.0
40	1 1/2"	47.8	48.4	47.9	48.8	3.2	4.0
50	2"	59.6	60.2	59.7	60.8	3.6	4.5
65	2 1/2"	75.2	76.0	75.3	76.6	3.6	4.5
80	3"	87.9	88.7	88.0	89.5	4.0	5.0
100	4"	113.0	113.9	113.1	115.0	4.5	5.4
125	5"	-	-	138.5	140.8	5.0	5.4
150	6"	-	-	163.9	165.1	5.0	5.4

Light blue: not in BS1387

Light green: different from BS1387

## Copper tube for construction piping (JIS H3300)

Nominal size		Outside diameter (mm)	Thickness (mm)	
			M type	L type
A	B		Water Supply	Gas and water supply
8	1/4"	9.52	-	0.76
10	3/8"	12.70	0.64	0.89
15	1/2"	15.88	0.71	1.02
-	5/8"	19.05	-	1.07
20	3/4"	22.22	0.81	1.14
25	1"	28.58	0.89	1.27
32	1 1/4"	34.92	1.07	1.40
40	1 1/2"	41.28	1.24	1.52
50	2"	53.98	1.47	1.78

## Copper tube for refrigerant piping (JIS H3300)

Nominal size	Outside diameter (mm)	Thickness (mm)
1/4"	6.35	0.8
3/8"	9.52	0.8
1/2"	12.70	0.8
5/8"	15.88	1.0
3/4"	19.05	1.0
1"	22.22	1.0
1 1/4"	25.40	1.0
1 1/2"	28.58	1.0
1 3/4"	31.75	1.1
2"	34.92	1.1
2 1/2"	38.10	1.15
3"	41.28	1.2
3 1/2"	44.45	1.25
4"	50.80	1.4

## Steel Pipe: ASME / ANSI B36.10

Nominal size		Outside Diameter		Nominal Thickness															
				Schdule 10		Schdule 20		Schdule 30		STD		Schdule 40		XS		Schdule 60		Schdule 80	
				Wall Thickness															
A	B	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
6	½"	10.3	0.405	-	-	-	-	-	-	1.73	0.068	1.73	0.068	2.41	0.095	-	-	2.41	0.095
8	¾"	13.7	0.540	-	-	-	-	-	-	2.24	0.088	2.24	0.088	3.02	0.119	-	-	3.02	0.119
10	⅝"	17.1	0.675	-	-	-	-	-	-	2.31	0.091	2.31	0.091	3.20	0.126	-	-	3.20	0.126
15	¾"	21.3	0.840	-	-	-	-	-	-	2.77	0.109	2.77	0.109	3.73	0.147	-	-	3.73	0.147
20	⅞"	26.7	1.050	-	-	-	-	-	-	2.87	0.113	2.87	0.113	3.91	0.154	-	-	3.91	0.154
25	1"	33.4	1.315	2.8	0.109	-	-	-	-	3.38	0.133	3.38	0.133	4.55	0.179	-	-	4.55	0.179
32	1¼"	42.2	1.660	2.8	0.109	-	-	-	-	3.56	0.140	3.56	0.140	4.85	0.191	-	-	4.85	0.191
40	1½"	48.3	1.900	2.8	0.109	-	-	-	-	3.68	0.145	3.68	0.145	5.08	0.200	-	-	5.08	0.200
50	2"	60.3	2.375	2.8	0.109	-	-	-	-	3.91	0.154	3.91	0.154	5.54	0.218	-	-	5.54	0.218
65	2½"	73.0	2.875	3.1	0.120	-	-	-	-	5.16	0.203	5.16	0.203	7.01	0.276	-	-	7.01	0.276
80	3"	88.9	3.500	3.1	0.120	-	-	-	-	5.49	0.216	5.49	0.216	7.62	0.300	-	-	7.62	0.300
90	3½"	101.6	4.000	3.1	0.120	-	-	-	-	5.74	0.226	5.74	0.226	8.09	0.318	-	-	8.08	0.318
100	4"	114.3	4.500	3.1	0.120	-	-	-	-	6.02	0.237	6.02	0.237	8.56	0.337	-	-	8.56	0.337
125	5"	141.3	5.563	3.4	0.134	-	-	-	-	6.55	0.258	6.55	0.258	9.53	0.375	-	-	9.53	0.375
150	6"	168.3	6.625	3.4	0.134	-	-	-	-	7.11	0.280	7.11	0.280	10.97	0.432	-	-	10.97	0.432
200	8"	219.1	8.625	3.8	0.140	6.35	0.250	7.04	0.277	8.18	0.322	8.18	0.322	12.70	0.500	10.31	0.406	12.70	0.500
250	10"	273.1	10.750	4.2	0.165	6.35	0.250	7.80	0.307	9.27	0.365	9.27	0.365	12.70	0.500	12.70	0.500	15.09	0.594
300	12"	323.9	12.750	4.6	0.180	6.35	0.250	8.38	0.330	9.53	0.375	10.31	0.406	12.70	0.500	14.27	0.562	17.48	0.688
350	14"	355.6	14.000	6.4	0.250	7.92	0.312	9.53	0.375	9.53	0.375	11.13	0.438	12.70	0.500	15.09	0.594	19.05	0.750
400	16"	406.4	16.000	6.4	0.250	7.92	0.312	9.53	0.375	9.53	0.375	12.70	0.500	12.70	0.500	16.66	0.656	21.44	0.844
450	18"	457.2	18.000	6.4	0.250	7.92	0.312	11.13	0.438	9.53	0.375	14.27	0.562	12.70	0.500	19.05	0.750	23.83	0.938
500	20"	508.0	20.000	6.4	0.250	9.53	0.375	12.70	0.500	9.53	0.375	15.09	0.594	12.70	0.500	20.62	0.812	26.19	1.031
600	24"	610.0	24.000	6.4	0.250	9.53	0.375	14.27	0.502	9.53	0.375	17.48	0.688	12.70	0.500	24.61	0.909	30.96	1.219

  : Differs from JIS pipes by 3mm or more

## Stainless Steel Pipe: ASME B36.19M-1985

Nominal size		Outside Diameter		Nominal Thickness							
				Schdule 5S		Schdule 10S		Schdule 40S		Schdule 80S	
				Wall Thickness							
A	B	mm	inch	mm	inch	mm	inch	mm	inch		
6	½"	10.3	0.405	-	-	1.24	0.049	1.73	0.068	2.41	0.095
8	¾"	13.7	0.540	-	-	1.65	0.065	2.24	0.088	3.02	0.119
10	⅝"	17.1	0.675	-	-	1.65	0.065	2.31	0.091	3.20	0.126
15	¾"	21.3	0.840	1.65	0.065	2.11	0.083	2.77	0.109	3.75	0.147
20	⅞"	26.7	1.050	1.65	0.065	2.11	0.083	2.87	0.113	3.91	0.154
25	1"	33.4	1.315	1.65	0.065	2.77	0.109	3.38	0.133	4.55	0.179
32	1¼"	42.2	1.660	1.65	0.065	2.77	0.109	3.56	0.140	4.85	0.191
40	1½"	48.3	1.900	1.65	0.065	2.77	0.109	3.68	0.145	5.08	0.200
50	2"	60.3	2.375	1.65	0.065	2.77	0.109	3.91	0.154	5.54	0.218
65	2½"	73.0	2.875	2.11	0.083	3.05	0.120	5.16	0.203	7.01	0.276
80	3"	88.9	3.500	2.11	0.083	3.05	0.120	5.49	0.216	7.62	0.300
90	3½"	101.6	4.000	2.11	0.083	3.05	0.120	5.74	0.226	8.08	0.318
100	4"	114.3	4.500	2.11	0.083	3.05	0.120	6.02	0.237	8.56	0.337
125	5"	141.3	5.563	2.77	0.109	3.40	0.134	6.55	0.258	9.53	0.375
150	6"	168.3	6.625	2.77	0.109	3.40	0.134	7.11	0.280	10.97	0.432
200	8"	219.1	8.625	2.77	0.109	3.76	0.148	8.18	0.322	12.70	0.500
250	10"	273.1	10.750	3.40	0.134	4.19	0.165	9.27	0.365	12.70	0.500
300	12"	323.9	12.750	3.96	0.156	4.57	0.180	9.53	0.375	12.70	0.500
350	14"	355.6	14.000	3.96	0.156	4.78	0.188	-	-	-	-
400	16"	406.4	16.000	4.19	0.165	4.78	0.188	-	-	-	-
450	18"	457.2	18.000	4.19	0.165	4.78	0.188	-	-	-	-
500	20"	508.0	20.000	4.78	0.188	5.54	0.218	-	-	-	-
550	22"	559.0	22.000	4.78	0.188	5.54	0.218	-	-	-	-
600	24"	610.0	24.000	5.54	0.218	6.35	0.250	-	-	-	-

  : Size differs from steel pipe

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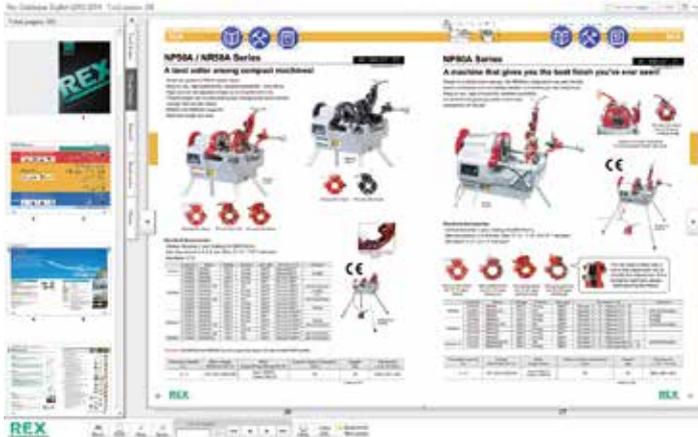
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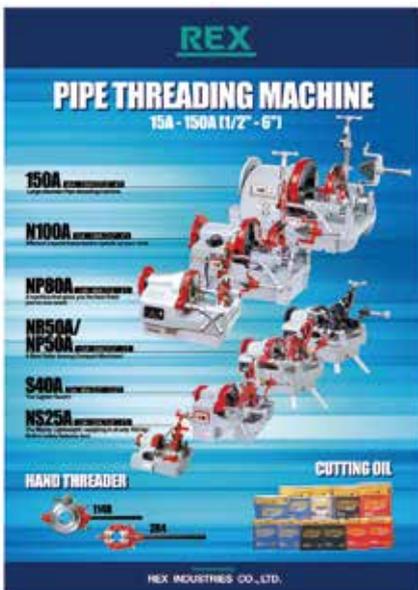
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**NC Automated Line**

The key to the success of the 'Made in Japan' brand is a production line that has the ability to produce many kinds of high quality goods in small quantities.  
(Photo: Main Factory/ Processing Dept.)



**3D Measuring Instruments**

3D measuring instruments are used to check complicated 3D shapes accurately.  
(Photo: Main Factory/ Processing Dept. )



**Tottori Factory / Automated Dies Line**

Under the banner of "Making the Best Match between Blade and Tool", the Tottori Factory is where we produce various kinds of blades, such as dies for pipe threading machines, blades for band saws, etc.



**National Craft Championships (USA)**

REX pipe threading machines were used in the competition at National Craft Championships, USA.



**Overseas Exhibitions**

We actively participate in trade exhibitions overseas and gather information for market and new product development.



**Technical Training, Factory Tours**

At the request of the end user or distributor, Rex provides factory tours and/or technical training, such as practical training for examinations in plumbing techniques, lectures on roll threading for earthquake-resistant buildings and environmental issues.



**Suzhou Factory, China**

Suzhou factory provides a wide range of reliable parts made with facilities and equipment that are on a par with those of Japan REX. In addition, Suzhou factory produces merchandise for Chinese users, as there is a full production line from casting to processing, painting and assembly.



#### **AVAILABILITY OF REPLACEMENT PARTS**

Replacement parts are maintained for a period of 7 years after production has been terminated. Electrical parts will remain available for a period of 5 years.



#### **SAFETY ADVICE**

- To reduce the risk of fire, electric shock or injury, be sure to read the operation manual thoroughly and follow the instructions closely.
- After purchasing the machine, check that the operation manual is included.
- Once read, keep the manual where it is readily available.
- If operation manuals are lost or damaged, promptly order a replacement from our sales office or distributor.

# REX

[www.rexind.co.jp](http://www.rexind.co.jp)

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