

REX

PIPING SOLUTION

2024-2025

PRODUCTS CATALOGUE

Cutting Piping Environment



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



Band Saw Blade



Reciprocating Saw Blade



Bearing Wheel

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



Threading



Grooving



Flaring



Fusion

Maintenance and care wherever you work

Maintenance

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.



Diagnosis

BAND SAW MANTIS Series



XB65A XB120A mini XB125 mini XB180WA XB180WS XB270A

10

PIPE CUTTERS



C2 CM50 LINK CUTTER No.10

RB TUBE CUTTER



RB22 N28S N30S N42S

HYPER SAW



N67S XS150S

16

PIPE THREADING MACHINE Series



F25A S40A FP50AV FR50AV NP80A N100A 150A

20

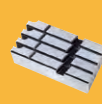
Optional Accessories



CUTTING OIL



Compatibility Tables



Dies



Die-head

ROLL THREAD HEADS



SRH-20A SRH-50A

32

PIPE VICES



CV-6



V0



CVX6

PIPE THREADERS



2R4

48

GROOVING TOOLS



RG150 (Hand Pump)



RG150A (Automatic Pump)



PORTABLE GROOVER M



PORTABLE GROOVER H

50

COPPER TUBE TOOLS



RF20SII

FLEXIBLE TUBE TOOLS



RT20SII

54

DIAGNOSTIC INSPECTION CAMERA



GLS-R2820

56

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.



"The Three Benefits"

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



AN OUTLINE OF REX

Established	August, 1925
Capital	¥90,000,000 (REX Group Total : ¥1,050,000,000)
President	Kazuhiko Miyagawa
Registered address & Finance Dept.	1-4-5, Nishi-Shinsaibashi, Chuo-ku, Osaka 542-0086 Japan
Head Office & Main Factory	1-9-3, Hishiya-Higashi, Higashi-Osaka 578-0948 Japan
Tottori Factory	1124-7, Takata, Daisen-cho, Saihaku-gun Tottori 689-3224 Japan
Branch Offices	Tokyo and Osaka
Sales Offices (Domestic)	Sapporo, Sendai, Tokyo, Maebashi, Kanagawa, Nagoya, Osaka, Hiroshima and Kyushu
No. of Employees	190 (REX Group Total : 300)
Activities and Products	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.
Group Companies	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

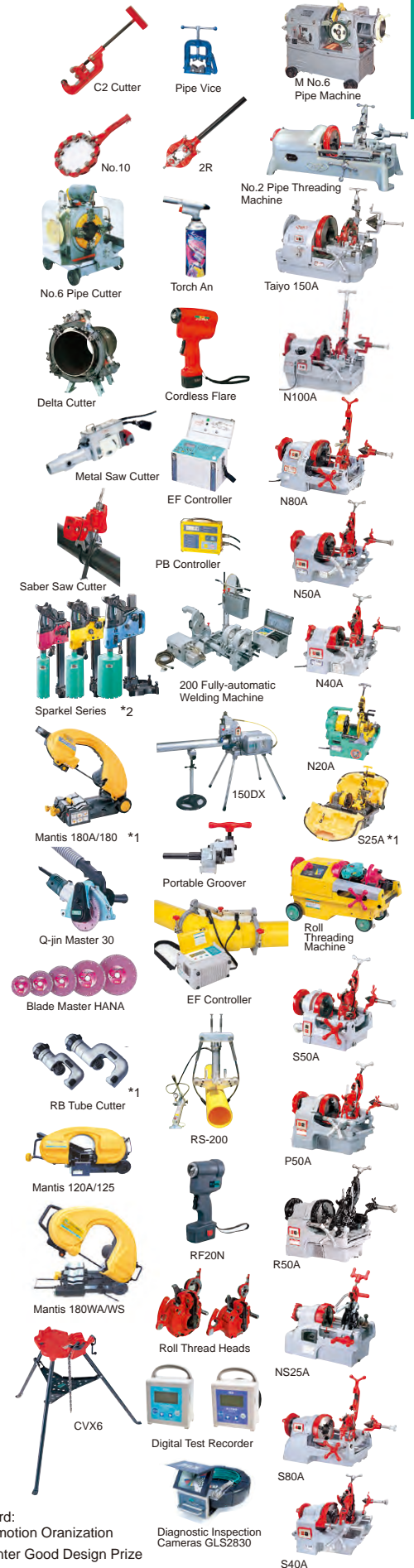
Under the banner of "Individual awareness will save the planet.", we take the future of the earth seriously and shall contribute to environmental preservation through all our business activities under the concept of "quality first".



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.
- 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.
- 1987 : REX International U.S.A., Inc. established.
- 1988 : Wheeler Mfg. established as a division of REX International U.S.A., Inc.
- 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.
- 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.
Released the world's first portable Roll threading machine ZT50A.
- 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.
RB Tube Cutter wins Good Design Award, and Small and Medium Enterprise Agency Director's Award.
- 2002 : REX Industries Europe S.r.l. established.
- 2003 : ISO 14001 Certification acquired.
- 2004 : Construction of Suzhou REX No.2 Plant completed.
- 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 : 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, 2012, and 2013.
LIGHT GROOVE150DX and MANTIS 180WA/WS selected in both Development (Technology) and Design categories of the Higashi-Osaka Products Selection.
- 2013 : 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.
- 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 : 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)
Mr. John K. Miyagawa, Chairman, awarded The Order of the Rising Sun, Gold and Silver Rays.
- 2020 : Rex threading machine with self-opening Die-head, and roll threading machine certified as building equipment of outstanding technical heritage by the Japanese Association of Building Mechanical and Electrical Engineers.
- 2023 : Certified as a health business superior corporation 2023. (SME sector) (METI:Ministry of Economy, Trade and Industry)
- 2025 : 100th Anniversary of the founding of the company.



- *1 : Winner of Good Design Award:
Japan Industrial Design Promotion Organization
- *2 : Winner of Osaka Design Center Good Design Prize

REX GROUP - Our Factories & Sales Network

● REX Agent or Distributors
 ◆ Factory
 ● Sales Office



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

Khasra No. 25-5/2, Village & Post

Sarhaul, Sector-18, Gurugram,

Haryana-122015, India

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

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



REX INTERNATIONAL ASIA CO., LTD.

Established April 1991

22/9, Village No.10, Bangkaeo

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>





OHIO,
U.S.A.

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



OSAKA,
JAPAN

レッキス工業株式会社

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



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



Dies Production line



Automatic Polishing Machine



Tottori Factory

Established December 1996

1124-7, Takata, Daisen-cho,

Saihaku-gun, Tottori 689-3224 Japan

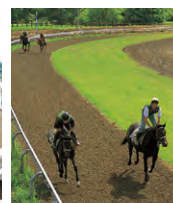
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Fax +81-(0)859-54-2623

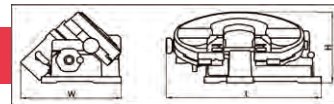


Related Businesses: H.A. Division (Horse & Equestrian Supplies)

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



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

CHAIN VICE UNIT
475190

MANTIS 180WS 8A-150A (1/4"-6")



Code No.	4751S1
Model	MANTIS XB180WS
Cutting capacity	90° ROUND PIPE Φ180/SQUARE PIPE 150/ 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 5 mm



4751A1

Flat Vice

FLAT VICE UNIT
475192

MANTIS 180WA 8A-150A (1/4"-6")



Code No.	4751A1
Model	MANTIS XB180WA
Cutting capacity	90° ROUND PIPE Φ180/SQUARE PIPE 150/ ROUND BAR (MILD STEEL) Φ80 45° ROUND PIPE Φ80/SQUARE PIPE 80
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 5 mm, Hex socket wrench 17 mm

For sale in Japan only

For
2"
PIPE

Compact, Lightweight, and High-Quality Band Saw!

MANTIS 65A / 65SU 8A-50A (1/4"-2") / 13-60SU

Weight :
11 kg!



475165/475166



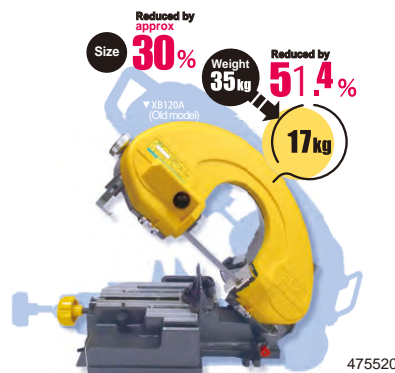
It weighs only 11 kg and is equipped with a portable handle.



For
4"
PIPE

Flat Vice

MANTIS 120A mini 8A-100A (1/4"-4")



475520

For
10"
PIPE

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.



4751C1

Features

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

MANTIS 270A 8A-250A (1/4"-10")



Code No.	4751C1
Model	MANTIS XB270A
Cutting capacity	90°ROUND PIPE Φ270/SQUARE PIPE250/ ROUND BAR (MILD STEEL) Φ40 45°ROUND PIPE Φ170/SQUARE PIPE150
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 W600 x H510
Weight (kg)	80
Standard accessories	14-tooth HSS blade (x1)(475270) Spanner for adjustment of vice angle, Wrench (19 mm) Hex key 8 mm

Optional accessories

Flat Vice Only



Cutting-length guide (475196)



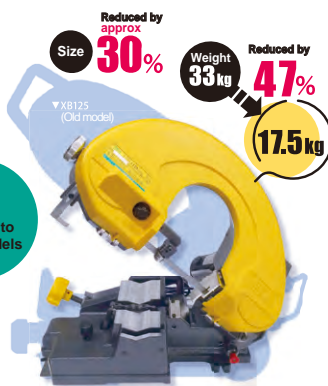
18-tooth HSS blade(475275)

Pipe support for 270A (4751Z9)



For
4"
PIPE

Half the weight of the previous model! Smallest and lightest in the industry!



475525



Easy to replace the saw blade
The cover can be opened and closed easily and the saw blade can be replaced from the front

Chain Vice

MANTIS 125 mini 8A-100A (1/4"-4")



Load adjustment
Just set the load to suit the material



Handle
Carry with just one hand



Can be stored upright



Making contours
Easy to make angle cuts with small steel materials



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)

XB180WS/XB180WA

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

XB180WA

Flat vice has angle adjustment function for precise angled cutting. (Fig. 9)

Quick vice provides easy and fast clamping.

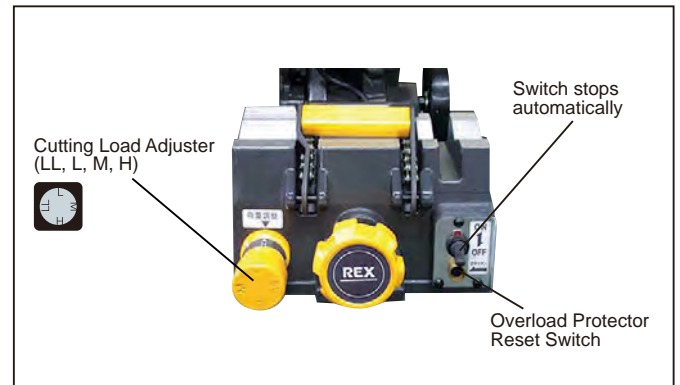


Fig. 1 All cutting operations located at the front



Fig. 2 Easy replacement of spare saw blade



Fig. 3 Large wheels make it easy to move

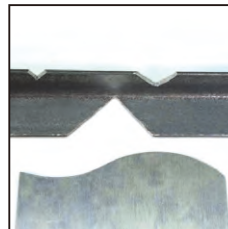


Fig. 4 Contour cutting

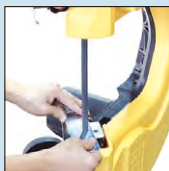


Fig. 5 Contour cutting for small steel material

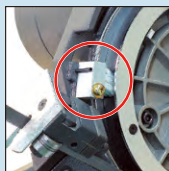


Fig. 6 Brush removes waste powder to reduce slippage of saw blade.



Fig. 7 Bundle cutting (Chain Vice)



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

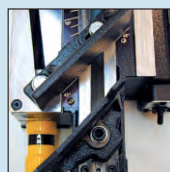


Fig. 9 Angled cutting (XB180WA / XB270A)



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. 9), 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



Fig. 10 Spare blade can be stored inside the cover. (Extra blade : option)

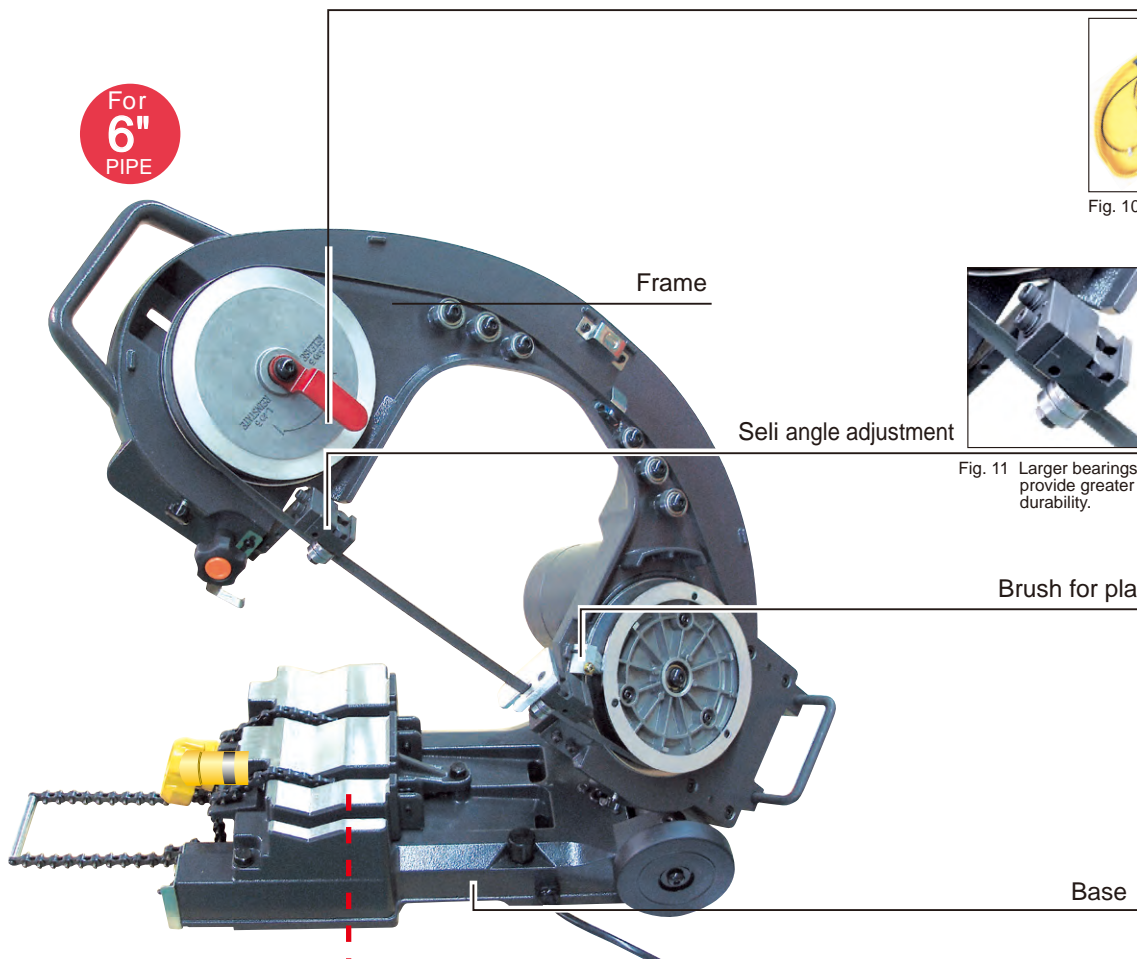


Fig. 11 Larger bearings provide greater durability.

Brush for plastic waste



Fig. 6

Chain Vice Unit

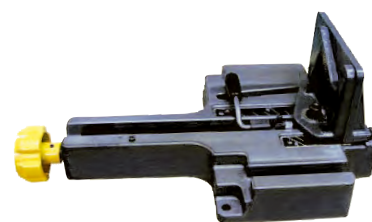
Chain Vice Unit
475190



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
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
XB125 XB120A	475302	Alloy	14	10
	475303		18	
	475312*	HSS (Bimetal)	14	5
	475313		18	
	475314		24	

* 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

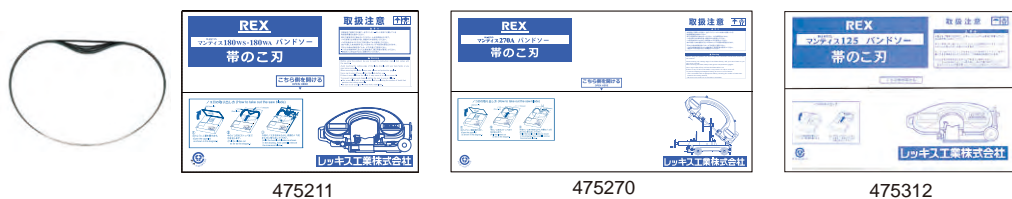
If you use a new blade to suddenly cut a workpiece, it can result in the teeth getting chipped and initial wear.

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



Square pipe



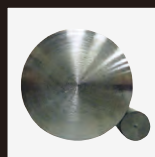
Round pipe



H - beam



Angled bar



Round bar



Angled cutting



Contour cutting



Fig. 12

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

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				Alloy Blade					High-speed steel Blade				Grid saw		
			tooth	8	10	14	18	24	10	14	18	24			
Steel pipe			Nominal size	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		≤ 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.

· When cutting plastic pipes, even if LL (ultra-light load) is selected, the cutting load may be too heavy and the pipe may be cut at an angle.

To prevent this, hold the handle on the frame with your hand and lower it slowly as you cut the pipe.

*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		Nominal size	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		<= 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?

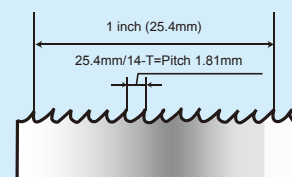
14-T: Provides a sharper, faster cut

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).



PIPE CUTTERS

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

CM Series CUTTER

15A-50A (½"-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 (½-1½)
130500	CM 50	15 - 50 (½-2)
131500	CM 50RB	15 - 50 (½-2)
13P700	CM 40 Cutter Wheel	-
13P710	CM 50 Cutter Wheel	-
13P730	CM 50RB Cutter Wheel	-



13P730
For CM 50RB

C Series CUTTER

6A-100A (⅛"-4")

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



For C1 / C2
13P105



C2
1301P2



C2 3-Wheel Cutter
1301PA



C4
1301P4

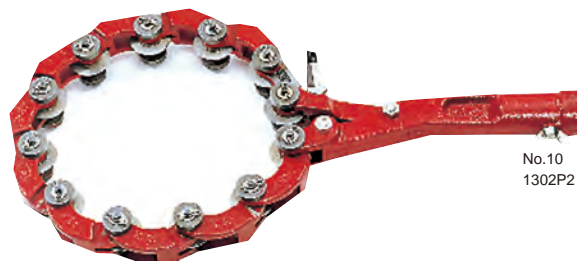
Applicable Pipes: Steel Pipe

Code No.	Model	Cutting Capacity A (in.)
1301P1	C1 Cutter	6 - 32 (⅛-1¼)
1301P2	C2 Cutter	6 - 50 (⅛ - 2)
1301PA	C2 3 Wheel Cutter	6 - 50 (⅛ - 2)
1301P3	C3 Cutter	25 - 80 (1 - 3)
1301PB	C3 3 Wheel Cutter	25 - 80 (1 - 3)
1301P4	C4 3 Wheel Cutter	65 - 100 (2½-4)
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.



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)



For No. 2
13P605



For No. 10
13P670



PE RB CUTTER

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



Applicable Pipes: Polyethylene Pipe

Code No.	Model	Cutting Capacity (mm)
311672	PE RB Cutter 100-II	60 - 125
311671	PE RB Cutter 150	120 - 180
311675	PE RB Cutter Wheel 100-II/150	-



PE RB Cutter Wheel 100-II/150
311675

RB TUBE CUTTERS

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

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

RB TUBE CUTTER

Φ4-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 wheel with an SUS tube cutter wheel and they can even cut thin wall stainless steel tube.

* SUS tube replacement cutter wheel 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 tube	
425122	RB22	5-22	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	222-250 223-251	330	870	14	●	●		●
427667	N67S								●	●
427467	N67PE	12-65							●	
427367	N67M*	12-67	253-257			12			●	

*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	
Roller	Thin wall stainless steel tube	424240	RB28S, RB30miniS, N28S	1	
		424284	RB30S, RB42S N30S, N42S, N67S	1	●
		424286	RB67S	1	●
	Thin wall stainless steel tube (grooving)	424238	RB42M, N42M, N67M	1	
		424239	RB67M	1	

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 4 mm, 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)	Thick- ness (mm)	Width (mm)	Material	Use	No. per pack
Thin blade	380041	Cobra Blade	No.41	up to 50 (2")	150	14	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	18					
	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	14			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	18					
380036	No.36		up to 100 (4")	225							
Thick blade	380061	Cobra Blade	No.61	up to 80 (3")	200	8	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						
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									

* Standard accessory for XS150S

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



②



③

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.

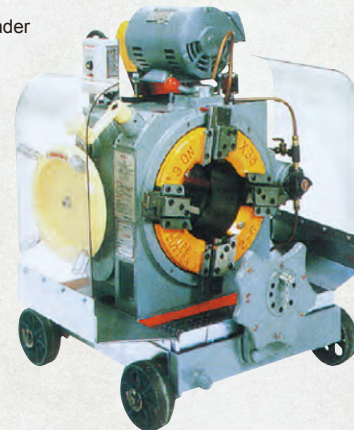
In 1946, shortly after World War II, the company started the development and domestic production of a ratchet hand threader.

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.

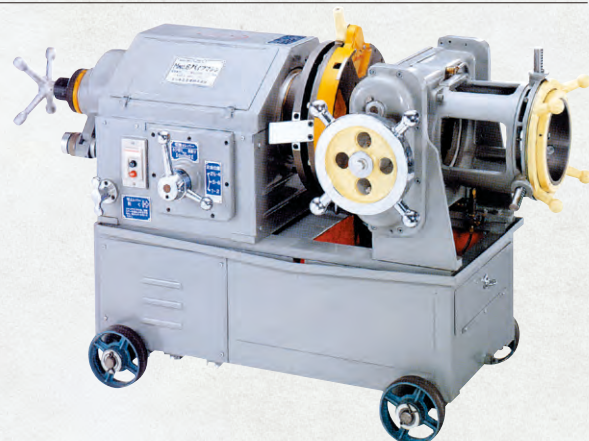
Toward domestic production of electric power machines

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.



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



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



R50A



NP50A

2008-2023



NR50A



FP50A



2023-

FR50A



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

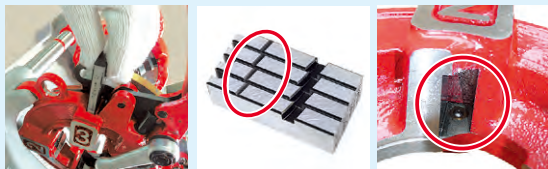


Special features of REX Pipe Threading Machines

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.



Can be replaced through the windows on both sides of the main body.



Side

USER FRIENDLY

- Stronger than previous model and with a more luxurious touch.
- As the stroke is about 25mm longer than the previous model, it is easier to work with.
- Designed to reduce scraps getting entangled.

Die-cast body



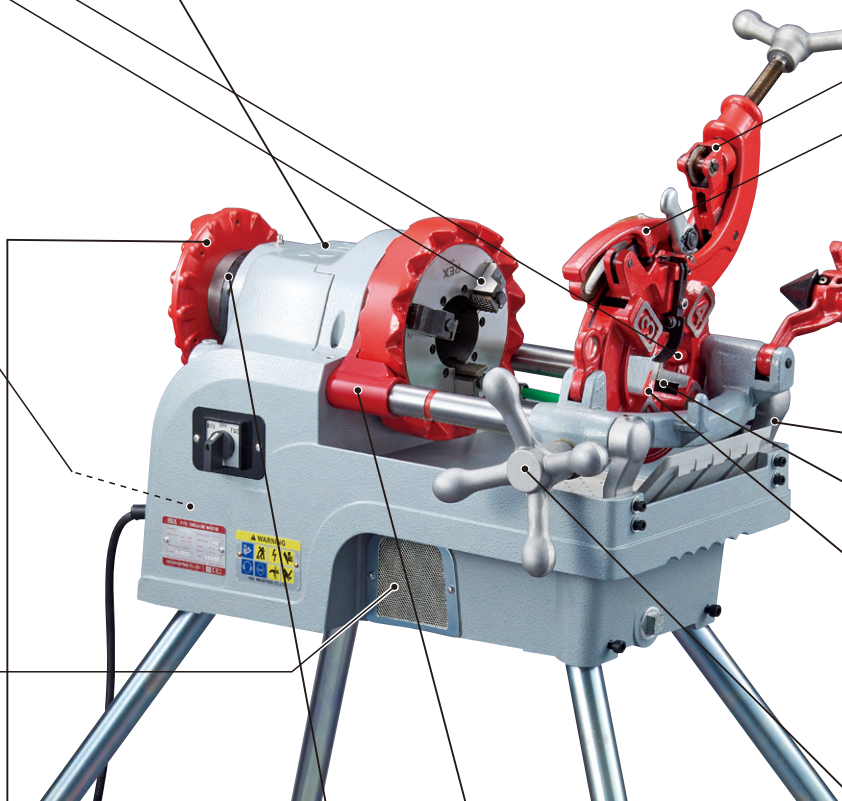
Wider space



Scrap receiver



Strong body, comfortable working space



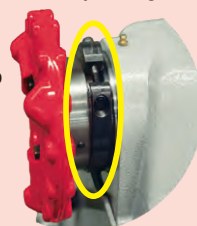
- Rear chuck jaws do not come out, resulting in enhanced operator safety.



- Safety collar protects operator's fingers.

- Take up any slack between the main shaft and the shaft bearing to keep the pipe steady.

Adjust ring



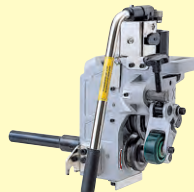
COMPATIBILITY

- 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

- Improve durability and operability of the switch



Push Button Switch (Non-CE)



Cam Switch (CE) & Foot switch



- You can regulate the amount of cutting oil so you needn't worry about it splashing about where you don't want it to.



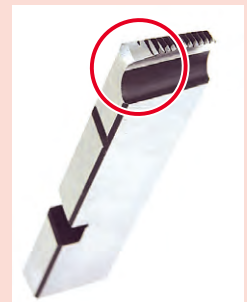
- Carriage handle has four spokes for an easy, secure grip.



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



- Two-step blade provides a stable bite allowing you to remove any external coating and cut the pipe at the same time (BSPT only).











































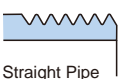































PIPE THREADING MACHINES

Optional Equipment Chart

* See Compatibility Tables P. 36-45 for more details. *** discontinued

** 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
F25A 	¼ - 1	110 V, 120 V 220/230 V	19.8	¼"-1" BSPT NPT ¾"-¾" BSW  MD25A	—	—	¼"-¾" ½"-1" BSPT NPT  SOD10A/25A
S40A 	¼ - 1½	110 V, 120 V	32	¼"-¾" BSPT NPT ¾"-¾" BSW  MD10A ½"-1½" BSPT NPT Metric UNC PF C  MD40A	 UAD40A ½"-1½" BSPT NPT	—	SOD10A/25A** +Die-head holder  SOD20A 1"-1½" BSPT  SOD40A
FP50A 	¼ - 2	110 V, 120 V 220/230 V	48	 MD10A  MD40A ½"-2" BSPT NPT BSW Metric UNC NPSM BSP 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
FR50A 	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	—
NP80A 	¼ - 3	110 V 220/230 V	67	 MD10A  MD40A  MD50A 2½"-3" BSPT NPT BSP PF C  MD80A	 UAD50A ½"-2" BSPT NPT	 NVAD50A ½"-2" BSPT NPT	SOD10A/25A** +Die-head holder  SOD20A/40A  SOD50A 2½"-3" BSPT  SOD80A
N100A 	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 SOD80A
150A 	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.			

Profiling* Die-head	Roll Thread Head <i>For sale in Japan only</i>	Grooving / Bevelling* 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"	 RG-R0 with respective mount base M-R series	 Threader Cart**** with respective adapter	 Available
—	—	—			
$2\frac{1}{2}$ "-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" GV/BVD50A  $2\frac{1}{2}$ "- 3" GV/BVD80A	 RG-RH with respective mounting kit M-HR series	 Threader Cart**** with respective adapter	 Available
 SPD80A $2\frac{1}{2}$ "-4" BSPT NPT  PD100A	—	 $\frac{3}{4}$ "- 2" GV/BVD50A  $2\frac{1}{2}$ "- 3" GV/BVD80A  $2\frac{1}{2}$ "- 4" GV/BVD100A			
$2\frac{1}{2}$ "-4" BSPT NPT  PD100A-6" 5 "-6" BSPT NPT  PD150A	—	 $2\frac{1}{2}$ "- 4" GV/BVD100A  5 "- 6" GV/BVD150A	—	 Caster	 Available
—	 Roll Thread	 Cut Grooving  Bevelling	 Roll Grooving	—	—
	<ul style="list-style-type: none"> · Eco-friendly · Reduces costs · Damage-resistant · Rust-resistant · Leak-resistant 	Grooving dies for making grooves in internally lined steel pipes and thick-walled pipes. Bevelling dies for reaming welded pipes.	Plasticity processing increases strength. For coupling joints.		

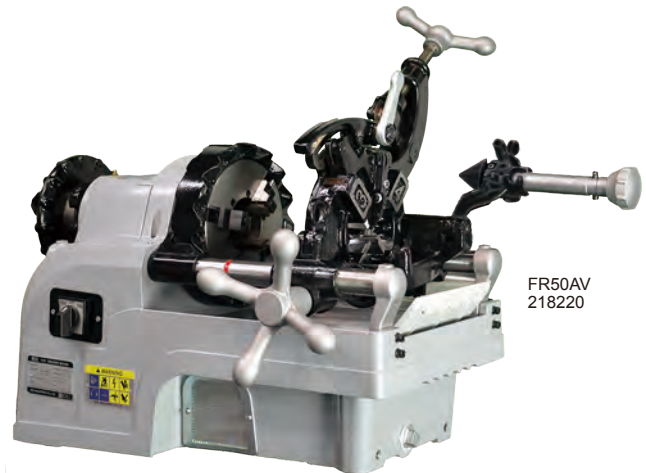
FP50A / FR50A Series

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

Standard Model 1/2"-2"

A best seller among compact machines!

- Small but powerful 1000W series Universal 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)
- FR50A and FR50AV supports
#300 die heads and dies.

FP50AV
218243FR50AV
218220

Manual Die-head



NV-auto Die-head



Manual Die-head



NV-auto Die-head



Uni-auto Die-head

5075 Roller Blade for PLP
(option)

Standard Accessories:

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

	Code No.	Model	Voltage	Rotation	Dies type	Die-head	Remarks
FP50A	218681	FP50A	220 V	R only	BSPT	Manual 1/2" - 2"	
	218682	FP50A	110 V	R only	BSPT	Manual 1/2" - 2"	no legs
	218243	FP50AV	220 V	R only	BSPT	NV-auto 1/2" - 2"	
	218249	FP50AV	220 V	R only	NPT	NV-auto 1/2" - 2"	
FP50AV	218246	FP50AV CE	230 V	R/L	BSPT	NV-auto 1/2" - 2"	with Foot Switch
	218247	FP50AV	110 V	R only	BSPT	NV-auto 1/2" - 2"	no legs
	218248	FP50AV	220 V	R only	BSPT	Uni-auto 1/2" - 2"	PLP
	218251	FP50AV CE**	110 V	R/L	BSPT	NV-auto 1/2" - 2"	with Foot Switch
	218245	FP50AV	220 V	R only	BSPT	Uni-auto 1/2" - 2"	
	218250	FP50AV	220 V	R only	BSPT	NV-auto 1/2" - 2"	G-plug
	218224	FR50AV	220 V	R only	BSPT	NV-auto R 1/2" - 2"	G-plug
	218220	FR50AV CE	230 V	R/L	BSPT	NV-auto R 1/2" - 2"	with Foot Switch
FR50AV*	218222	FR50AV CE**	110 V	R/L	BSPT	NV-auto R 1/2" - 2"	with Foot Switch
FR50A*	218652	FR50A CE**	110 V	R/L	BSPT	Manual R 1/2" - 2"	with Foot Switch

*Caution: The FR50A and FR50AV do not support Die-head and Dies of other REX models.

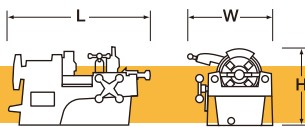
**CE, UKCA models

CE

FP50AV CE
218246

Threading Capacity (in.)	Motor Voltage (50/60 Hz) AC (V)	Universal motor Single-Phase	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	38	48	625 x 400 x 400

*** 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.



NP80A
274670



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

Makes a smooth, beautifully finished tapered thread with ease.

CE



NP80A CE
274672

Standard Accessories:

- Carbon Brushes 1 pair, Cutting Oil (50W-R) 4 L
- Hex key 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)
NP80AV/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	NP80AV III CE	230 V	R/L	BSPT	NV-auto 1/2" - 2" + Self-opening 2 1/2" - 3"	with Foot Switch
	274702	NP80AV III	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)	Universal motor Single-Phase	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")

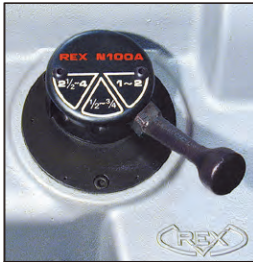
Standard Model 1/2"-4"

Efficient 3-speed transmission speeds up your work.

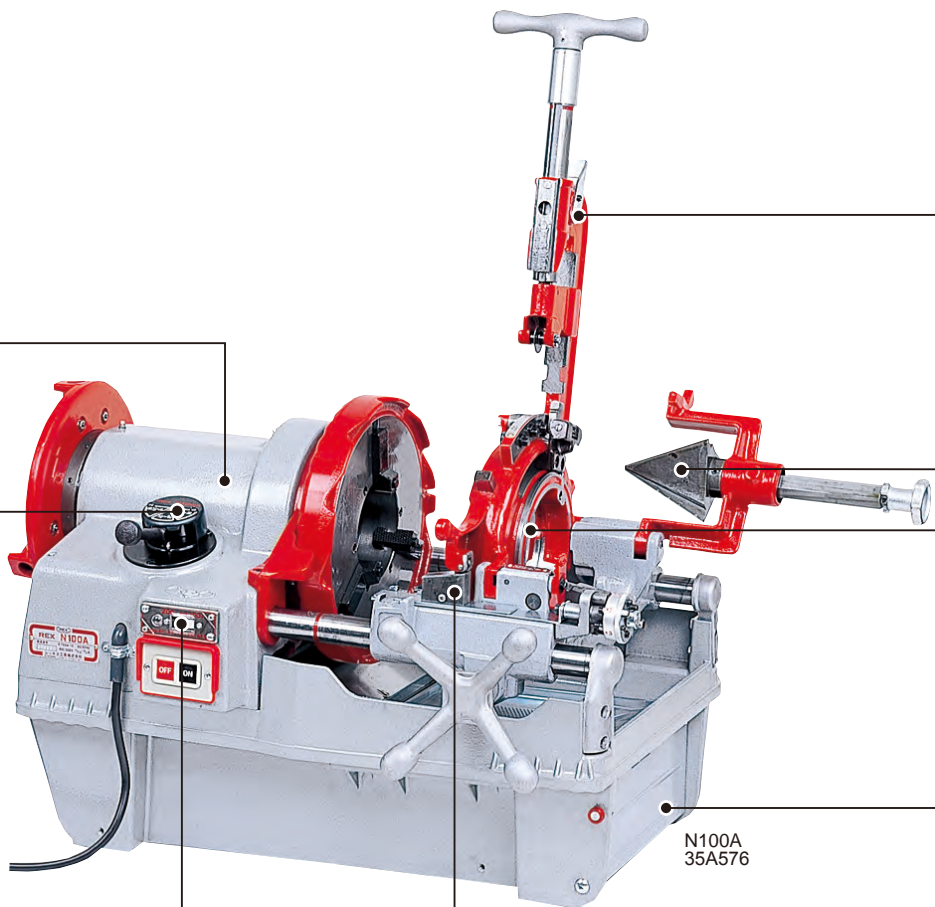
- Less than 100 sec to make a perfect 4" pipe taper thread. Less than 20 sec for a 1" pipe taper thread.
- Uni-auto Die-head for 1/2" - 2" pipe. Dies are compatible with NP50A/NP80A Manual Die-heads and Uni-auto Die-heads.
- Profiling Die-head for 2 1/2" - 4" pipe. REX original profiling system enables 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.



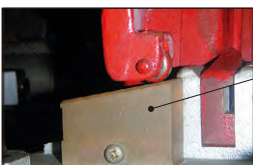
The condenser motor is quiet yet very powerful. As it does not use carbon brushes, it is basically maintenance free.



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



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

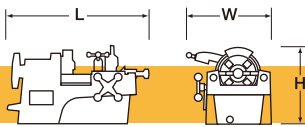


Profiling board for NPSM (Option) J109

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



N100A Caster (Option) 1702AJ



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.



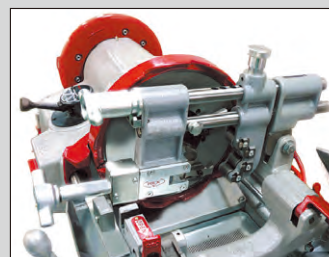
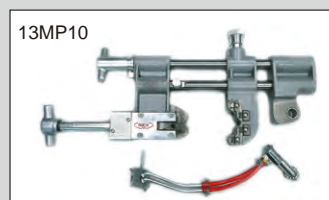
Built-in tool box

Standard Accessories:

- Cutting Oil (246-R or 50W-R) 4 L
- Hex key 3, 4, 5, 6, 8 mm,
Dies ½"-¾", 1"-2", 2½"-4" 1 set each
- Die-head ½"-2", 2½"-4" one each

BLADE-TYPE CUTTER (Option)

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



Blade-type cutter on N100A



Blade
13E846



Uni-auto Die-head
(for ½"-2" pipe)



Profiling Die-head
(for 2½"-4" pipe)



N100A CE
35A513

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 ½"-2" + Profiling 2½"-4"

Threading Capacity (in.)	Voltage (50 or 60 Hz) AC (V)	Condenser motor Single-Phase	Rotation Speed (Unloaded) (rpm)	Weight* (kg)	Dimensions L x W x H (mm)
¼ - 4	110/220 - 230 or 120	Output 750 W or 1000 W	43 (½" - ¾")	123	873 x 635 x 558
			24 (1" - 2")		
			13 (2½" - 4")		

* without DH

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

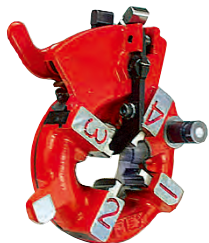
- Compact, lightweight, fast threading
- Double insulation motor employs a break to enhance safety.
- Optional self-opening Die-head for 1/4"-3/8" available

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

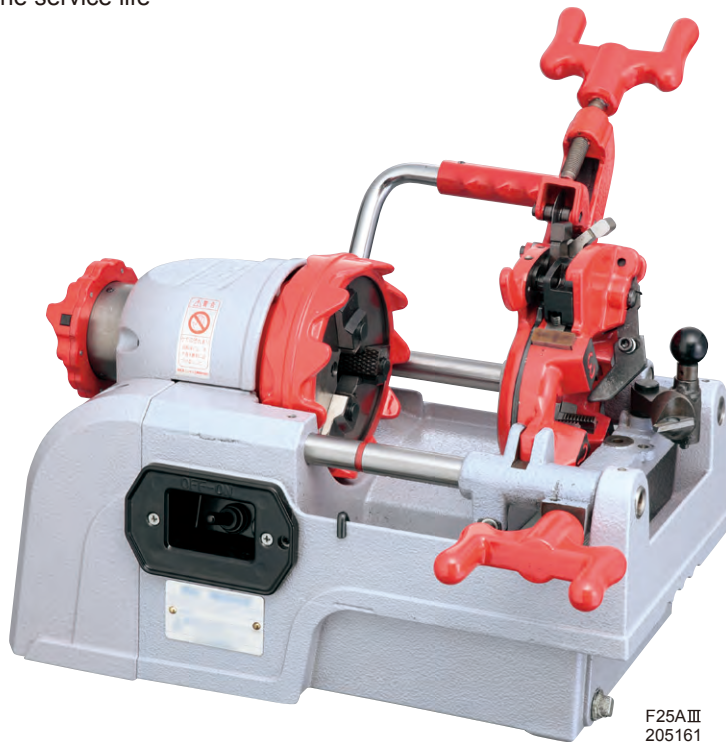
- Motor has a built-in brake designed to prevent entangling.
- Switch mechanism protects Die-head from colliding with the hand wheel when threading short pipes.
- Double insulation motor
- Motor equipped with auto-stop carbon brushes
- Low centre of gravity designed for safety



Self-opening
Die-head for F/NS25A



Manual-opening
Die-head for F/NS25A



F25AIII
205161

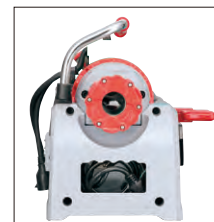
Standard Accessories:

- Cutting Oil (50W-R 1L x 2 or 100SW-RN 0.5L x 4)
- Hex Key 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



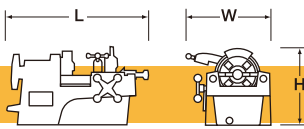
Cord storage pocket functions as hand grip, too



Easy to carry

Threading Capacity (in.)	Voltage (50/60 Hz) AC (V)	Universal motor Single-Phase	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")

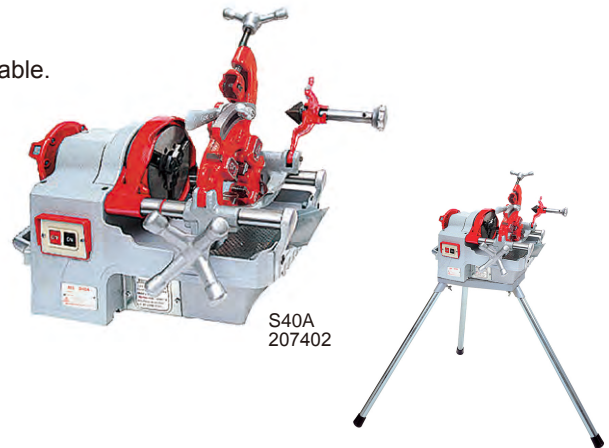
Standard Model 1/2"-1 1/2"

The lighter touch!

- Small but powerful 500 W Universal 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:

- Cutting Oil (50W-R) 2L · Die-head 1/2"-1 1/2"
- Hex Key 3, 5 mm, 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)	Universal motor Single-Phase	Rotation Speed (Unloaded) (rpm)	Weight* (kg)	Dimensions L x W x H (mm)
1/4 - 1 1/2	110V only	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.

Profiling board
for NPSM (Option)
A129



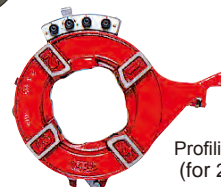
150A
366500

Standard Accessories:

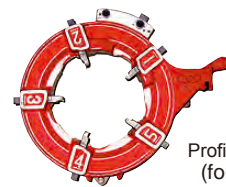
- Cutting Oil (246-R or 50W-R) 4 L
- Hex key 3, 4, 5, 6, 8 mm, Dies 2 1/2"-4", 5"-6" 1 set each
- Die-head 2 1/2"-4", 5"-6" one each
- 4 legs

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

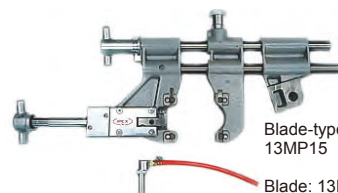
· Die-head: Profiling 2 1/2" - 4" + Profiling 5" - 6"



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



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



Blade-type cutter (Option)
13MP15

Blade: 13E846



150A Caster (Option)
1702AU

Threading Capacity (in.)	Voltage (50 or 60 Hz) AC (V)	Condenser motor Single-Phase	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

CUTTER WHEELS for threading machines

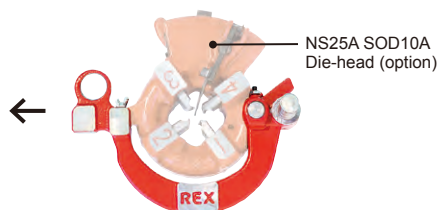


Code No.	Model	Use
135076	Cutter Wheel for threading machines 40A-150A	Steel pipe
135070	Cutter Wheel for threading machines 20A-25A	
135077	Cutter Wheel for stainless steel pipes 40A-150A	Stainless steel pipe
135071	Cutter Wheel for stainless steel pipes 20A-25A	

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



MAGNETER



Magner
17027A



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

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

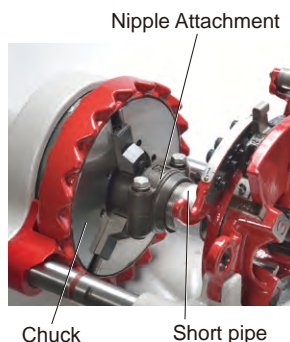
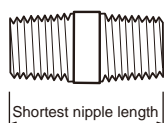
NIPPLE ATTACHMENTS

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

Saves wasting short pipes. Suitable for internally coated pipes.



Nipple Attachment (1/2")
1701NA



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	M10×17	—	—

THREAD GAUGES

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

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

- Refer to Pg. 61(Thread Inspection) for how to use the thread gauge

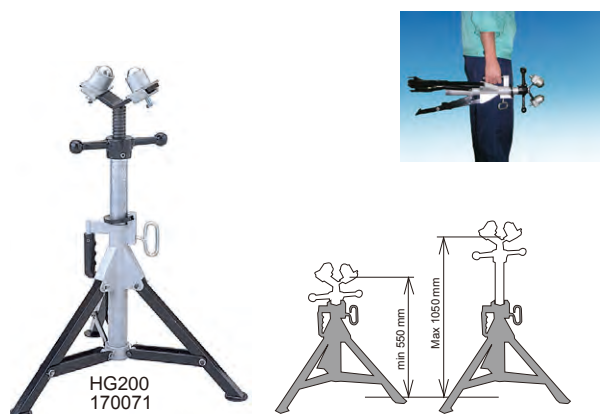
For checking male taper threads BSPT.

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

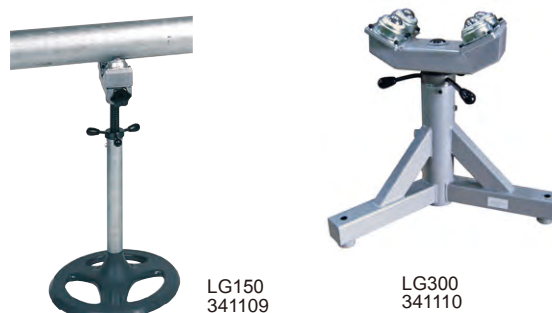
25A - 200A (1" - 8")



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

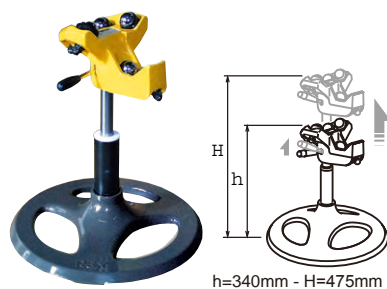
Hi-SUPPORT III HS-150

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

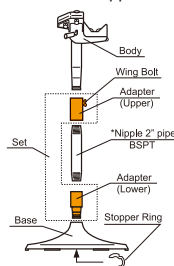
Height can easily be adjusted with strangle lever thanks to a special gas spring.

Option

ADAPTER III for Hi-Support III

Hi - Support III HS-150
170051

h=340mm - H=475mm



*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

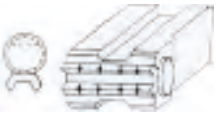









8A - 25A (1/4" - 1")

NS25A Support
170030

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

Optional Accessories

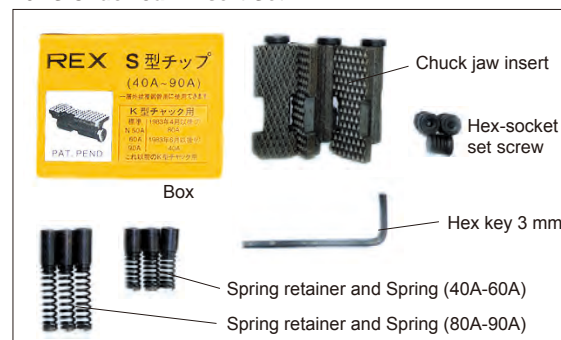
Chuck Jaw Insert Table

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

Current Machine	Brush Code
NS25A, S40A	MYM2
FP/FR50A, FPG150	PQEE
NP80A	PMM10
RG150	FM10

Old Machine	Brush Code
N25A	TYM2
N40A	GM10
N50A, P50A, R50A	NM10
NP/NR50A, NPG150	PMM10
N80A, S80A	FM10
80ADX (100V)	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).



(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-RN

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	
183001	50W-R	4 L	Water washable
183003	50W-R	16 L	
183004	50W-R	200 L	
183014	100SW-RN	4 L	For Stainless Steel Pipe only
183015	100SW-RN	16 L	
183016	100SW-RN	200 L	

Compatibility table

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

Compatibility Tables

40A-100A (Except R50A / NR50A / FR50A)

Die-head Table

	Compatibility	(Old model)
S40A		(N40A)
FP50A		(N50A, P50A, NP50A)
NP80A		(N80A, S80A)
N100A		

Colour shows compatibility with various machines.

Thread Type	Die-head Type	Capacity	Code No.	Plate	Width
BSPT	Manual	¼" - ¾"	290000 *1	B238	23 mm
		½" - 1½"	290820 *2	L290	27 mm
			295633 *3	G891	27 mm
		½" - 2"	295649 **32	2904	27 mm
			295643 *5	L291	27 mm
			295652 *6	G892	27 mm
		1" - 2"	290020	L292	27 mm
		2½" - 3"	290030 **38	L293	27 mm
			295660 *4	L181	27 mm
	Uni-Auto	½" - 1½"	292820	G830	27 mm
		½" - 2"	292810 *31	N731	27 mm
	NV-Auto	½" - 2"	292814 *40	NR56	27 mm
	Self-Open	½" - ¾"	292850 *20	7747	27 mm
		1" - 1½"	29A870	G831	27 mm
		1" - 2"	292020 *21	L189	38 mm
		2½" - 3"	292030 **33	7744	38 mm
	Self-Profiling	2½" - 3"	29A901	7744	27 mm SP
	Profiling	2½" - 4"	293040 **34	J079	20 mm
NPT	Manual	¼" - ¾"	290000 *1	B238	23 mm
		¼" - 1½"	295630	9203	27 mm
		¼" - 2"	295655	N740	27 mm
		½" - 1½"	295633 *3	G891	27 mm
		½" - 2"	295652 *6	G892	27 mm
			295643 *5	L291	27 mm
		2½" - 3"	295660 *4	L181	27 mm
	Uni-Auto	½" - 2"	292812 **36	N731	27 mm
			292810 *31	N731	27 mm
	NV-Auto	½" - 2"	292816 **41	NR56	27 mm
	Self-Open	½" - ¾"	292850 *20	7747	27 mm
		1" - 2"	292020 *21	L189	38 mm
	Profiling	2½" - 4"	293050 **37	J102	20 mm

Compatibility Tables

Thread Type	Die-head Type	Capacity	Code No.	Plate	Width
NPSM	Manual	½" - 2"	295656 -	L182	27 mm
BSW	Manual	W ⅝" - ⅞"	290000 *1	B238	23 mm
		W1" - 1¼"	290820 *2	L290	27 mm
			295643 *5	L291	27 mm
UNC	Manual	⅝" - 1½"	29562U	G841	27 mm
		⅝" - 2"	29001B	9204	27 mm
Metric	Manual	M8 - 48	29082A	G842	27 mm
		M8 - 52	29002A	2903	27 mm
		M20 - 32 P1.5	29003A	L281	27 mm
BSPP	Manual	G½" - 2"	295652 *6	G892	27 mm
		G2½" - 3"	295660 *4	L181	27 mm
	Uni-Auto	G½" - 2"	292810 *31	N731	27 mm
PF	Manual	PF16 - 42	290823 *10	G843	27 mm
		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	¾" - 2"	292026	L187	20 mm
		2½" - 3"	292036	7744	20 mm
		2½" - 4"	293047	J088/J086	20 mm

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

Die-head

**32: Standard Equipment with FP50A, NP80A BSPT version

*31: Standard Equipment with FP50AV, 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 FP50AV, BSPT version

**41: Standard Equipment with FP50AV, NPT version

Compatibility Tables

Compatibility	(Old model)
S40A	(N40A)
FP50A	(N50A, P50A, NP50A)
NP80A	(N80A, S80A)
N100A	

Colour shows compatibility with various machines.

40A-100A (Except R50A / FR50A)

Dies Table

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

BSPT	Tpi	Angle	Width	Alloy	HSS	"SUS"	Die Head
1/4" - 3/8"	19	55	23 mm	160003	166003	-	290000
1/2" - 3/4"	14	55	27 mm	161907 *1	166007	166351 *5	290820 295633
							292820 292850
							295643 295649
							295652
1" - 1 1/2"	11	55	27 mm	161910	166010	166352 *5	292810 292814
							290820 295633
							292820 29A870
1 1/2" - 2"	11	55	27 mm	161930	166030	166353 *5	295643 290020
							295649 295652
1" - 2"	11	55	27 mm	16K030 *1	16K230	166357 *5	292810 292814
1" - 2"	11	55	38 mm	16B430	16E030	-	292020
2 1/2" - 3"	11	55	27 mm	161950 *2	166050	166354 *5	290030 295660
2 1/2" - 3"	11	55	38 mm	16B450 *3	16E050	-	292030
2 1/2" - 3"	11	55	27 mm SP	16A501	16A511	-	29A901
2 1/2" - 4"	11	55	20 mm	162460 *4	16C060	-	293040



Dies

*1: Standard Equipment with FP50A series, NP50A series, NP80A series, N100A BSPT version

*2: Standard Equipment with NP80A, NP80AV BSPT version

*3: Standard Equipment with NP80AVIII BSPT version

*4: Standard Equipment with N100A BSPT version

*5: Available Only in Selected Countries

40A-100A (Except R50A / FR50A)

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

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



Dies

*6: Standard Equipment with FP50A series, NP50A series, NP80A series, N100A NPT version

*7: Standard Equipment with NP80A, NP80AV NPT version

*8: Standard Equipment with N100A NPT version

Compatibility Tables

40A-100A (Except R50A / NR50A / FR50A)

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

BSPP	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.

Compatibility

(Old model)

S40A					(N40A)
FP50A					(N50A, P50A, NP50A)
NP80A					(N80A, S80A)
N100A					

Colour shows compatibility with various machines.

BSPP (Alloy)

27mm



PF (Alloy)

27mm



38mm



Conduit (Alloy)

27mm



NPSM (Alloy)

27mm



40A-100A (Except R50A / NR50A / FR50A)

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
W $\frac{5}{16}$ "	18	55	23 mm	160502	160521	290000
W $\frac{3}{8}$ "	16	55	23 mm	160503	160522	290000
W $\frac{1}{2}$ "	14	55	23 mm	160504	160530	290000
W $\frac{5}{8}$ "	12	55	23 mm	160505	160523	290000
W $\frac{3}{4}$ "	11	55	23 mm	160506	160524	290000
W $\frac{7}{8}$ "	10	55	23 mm	160507	160525	290000
W $\frac{15}{16}$ "	9	55	23 mm	160508	160526	290000
W1"	8	55	27 mm	160509	160527	290820 295643
W1 $\frac{1}{4}$ "	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
$\frac{5}{16}$ "	18	60	27 mm	167502	29562U 29001B
$\frac{3}{8}$ "	16	60	27 mm	167503	29562U 29001B
$\frac{1}{2}$ "	14	60	27 mm	167504	29562U 29001B
$\frac{5}{8}$ "	13	60	27 mm	167505	29562U 29001B
$\frac{3}{4}$ "	11	60	27 mm	167506	29562U 29001B
$\frac{7}{8}$ "	10	60	27 mm	167507	29562U 29001B
$\frac{15}{16}$ "	9	60	27 mm	167508	29562U 29001B
1"	8	60	27 mm	167509	29562U 29001B
1 $\frac{1}{8}$ - 1 $\frac{1}{4}$ "	7	60	27 mm	167510	29562U 29001B
1 $\frac{3}{8}$ - 1 $\frac{1}{2}$ "*	6	60	27 mm	167520	29562U 29001B
2"	4.5	60	27 mm	167530	29001B

*No size indication on DH.

Metric/ BSW / UNC
(Alloy / HSS)



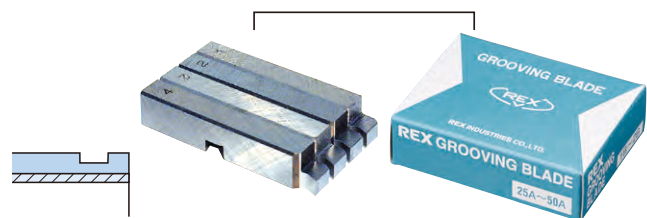
Bevelling (Alloy)



Bevelling	Angle	Width	Alloy	Die Head
$\frac{3}{4}$ "	-	30	16H707	292026
$\frac{3}{4}$ "	-	37.5	16H807	292026
1" - 2"	-	30	16H730	292026
1" - 2"	-	37.5	16H830	292026
2 $\frac{1}{2}$ " - 3"	-	30	16H750	292036
2 $\frac{1}{2}$ " - 3"	-	37.5	16H850	292036
2 $\frac{1}{2}$ " - 4"	-	30	162760	293047
2 $\frac{1}{2}$ " - 4"	-	37.5	162860	293047
2 $\frac{1}{2}$ " - 4"	-	45	162862*	293047

* discontinued

Grooving (Alloy)



Grooving	Gv.W.	Width	Alloy	Die Head
$\frac{3}{4}$ "	8	20 mm	16G607	292026
1" - 2"	8	20 mm	16G630	292026
2 $\frac{1}{2}$ " - 3"	8	20 mm	16G650	292036
2 $\frac{1}{2}$ " - 3 $\frac{1}{2}$ "	9.5	20 mm	162650	293047
4"	9.5	20 mm	162660	293047

Compatibility Tables

F25A / NS25A / N25A

Die-head Table

*1: Standard Equipment with F25A C version

*3: Standard Equipment with F25A BSPT version

**6: Standard Equipment with F25AⅢ BSPT version

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

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



Self-opening Die Head for F/NS25A



Manual-opening Die Head for F/NS25A

Dies Table

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

BSPT	Tpi	Angle	Width	Alloy	HSS	Die Head
¼" - ¾"	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" - ¾"	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

BS84 British Standard Whitworth for bolt: parallel

BSW	Tpi	Angle	Width	Alloy	HSS	Die Head
W¾"	16	55	27 mm	166720	166730	295254
W½"	12	55	27 mm	166721	166731	295254
W¾"	11	55	27 mm	166722	166732	295254
W¾"	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

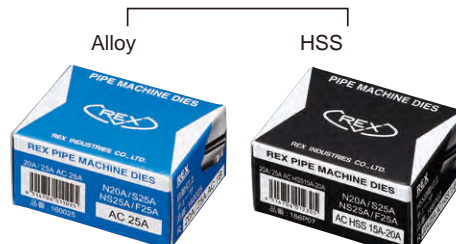
Conduit	Tpi	Angle	Width	Alloy	HSS	Die Head
C19 - 25	16	80	27 mm	161612 *3	-	295250
C31 - 39	16	80	27 mm	161613 *3	-	295250

*3: Standard Equipment with F25A C version

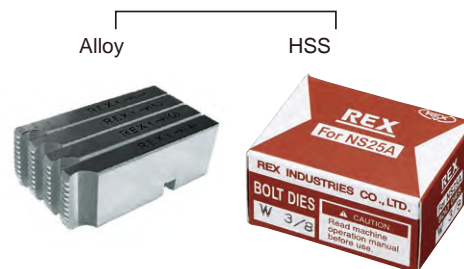
ANSI / ASME B 1.20.1 (American) National Pipe thread: Straight Mechanical

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

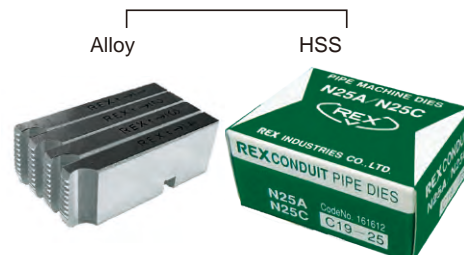
27mm BSPT / NPT



27mm BSW



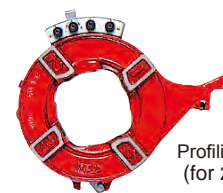
27mm Conduit



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

Profiling Die Head
(for 2½"-4" pipe)Profiling Die Head
(for 5"-6" pipe)

Dies Table

ISO 7-1 (JIS B 0203) <R> 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

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

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

*1: Standard Equipment with 150A BSPT version

*2: Standard Equipment with 150A NPT version

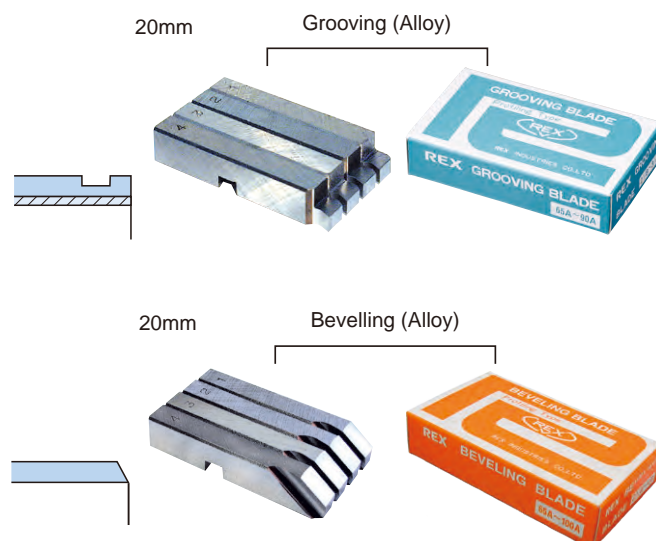
*3: Optional profiling board A129 is required



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

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

N100A adaptable



Compatibility Tables

Old Model Profiling Dies (50A-II/80A-II/80ADX(Old type)100ADXII)

Dies Table

ISO 7-1 (JIS B 0203) <R> 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

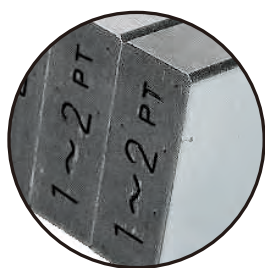
NPT	Tpi	Angle	Width	Alloy	HSS	Die Head
½" - ¾"	14	60	20 mm	162307*	16D307*	297624** / 296624**
1" - 2"	11.5	60	20 mm	162330*	16D330*	297624** / 296624**
2½" - 3"	8	60	20 mm	16A350**	16D350*	PD-NPT** / -
2½" - 4"	8	60	20 mm	162360	16C360	- / 293055

*subject to stock **discontinued



Dies Marking

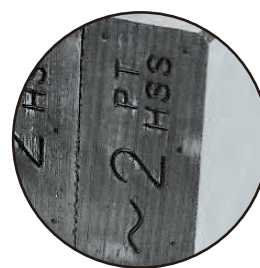
Identify Correct One ; Check the Markings to Ensure



Alloy Dies marking



HSS Dies marking



FR50A / 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

* discontinued



FR50AV

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

* discontinued



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

ROLL THREAD HEADS

ROLL THREAD HEADS

For sale in Japan only

10A - 50A ($\frac{3}{8}$ " - 2")

Can be mounted on REX pipe machine series.



50A

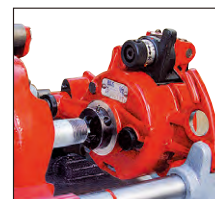


20A

Cutter Guide for Roll Thread Head

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

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



SRH-15A

Compatibility Table

Model	Size BSPT	Size			
		S40A	F50A	F80A	N100A
SRH-10A	10A ($\frac{3}{8}$ "	●	●	●	◎
SRH-15A	15A ($\frac{1}{2}$ "	●	●	●	◎
SRH-20A	20A ($\frac{3}{4}$ "	●	●	●	◎
SRH-25A	25A (1"	-	●*	●	●
SRH-32A	32A (1 $\frac{1}{4}$ "	-	-	●	●
SRH-40A	40A (1 $\frac{1}{2}$ "	-	-	●	●
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 ($\frac{1}{2}$ " - 2")

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



Lining Blade

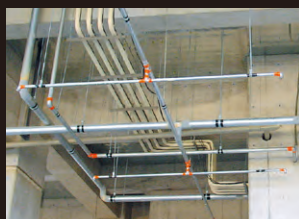


Model	Size	Appropriate head
Lining Blade 15A	15A ($\frac{1}{2}$ "	SRH-15A
Lining Blade 20A	20A ($\frac{3}{4}$ "	SRH-20A
Lining Blade 25A	25A (1"	SRH-25A
Lining Blade 32A	32A (1 $\frac{1}{4}$ "	SRH-32A
Lining Blade 40A	40A (1 $\frac{1}{2}$ "	SRH-40A
Lining Blade 50A	50A (2"	SRH-50A

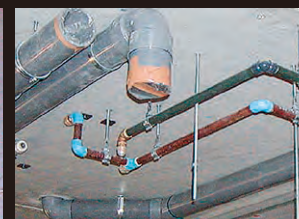
Examples of Roll Threads



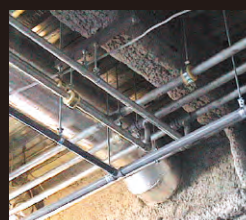
Fire Sprinkler Systems



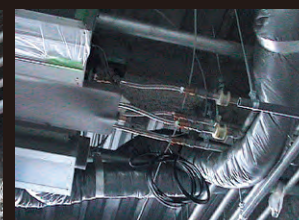
Water Supply



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

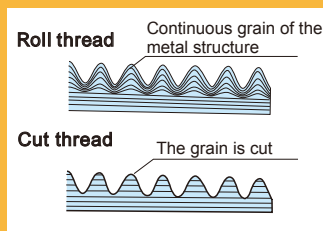


Fig. 3 Grain flow

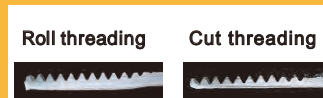


Fig. 4 Cross section

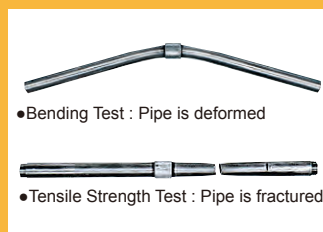


Fig. 5 In strength tests, there was no effect on the thread. The pipe itself became deformed or fractured.

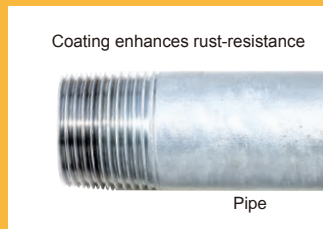


Fig. 6 Thread is left with a layer of pipe coating (20-30 μm).

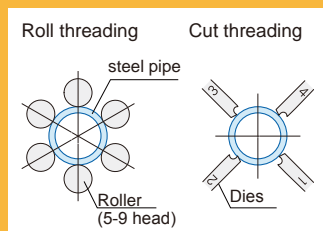


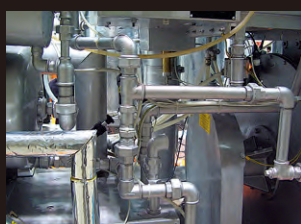
Fig. 7 Roll threading and Cut threading.



Hydraulic Piping



Air Piping



Steam Piping



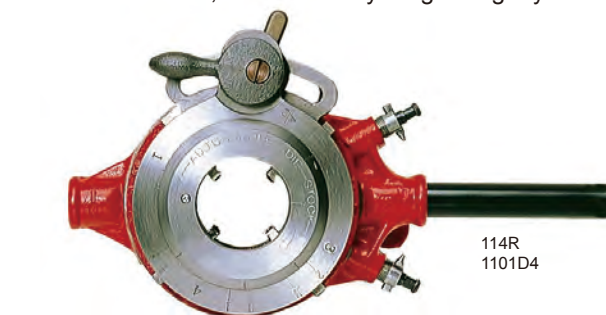
PIPE THREADERS

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.



114R
1101D4

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

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

* standard equipment with 112R

** standard equipment with 114R



112R Dies 15A-20A
150007



114R Dies 15A-20A
151007



112R Dies 8A-10A
150003

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)
1102RN	2RG NPT	1/2 - 1 1/4 (4)

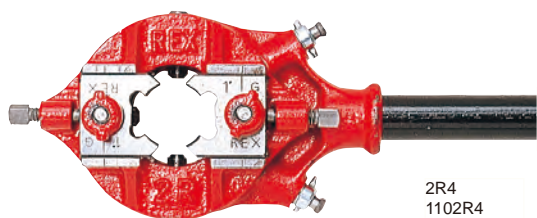
Spare Dies

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
154305***	2RG Dies NPT 15A	1/2
154307***	2RG Dies NPT 20A	3/4
154309***	2RG Dies NPT 25A	1
154310***	2RG Dies NPT 32A	1 1/4
154207**	2RC Dies 19	C19
154209**	2RC Dies 25	C25
154210**	2RC Dies 31	C31
154220**	2RC Dies 39	C39

* standard equipment with 2R4

** standard equipment with 2RC

*** standard equipment with 2RG NPT



2R4
1102R4



2RG Dies 25A
154009



2RC Dies 25
154209



2RG Dies 10A
154003

CHAIN VICE STAND CVX6

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

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



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

Bender

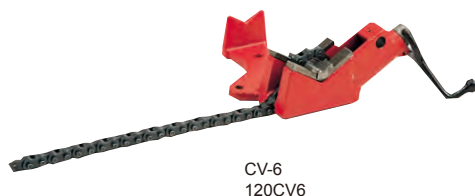
Effortlessly bends thin-walled tubes up to 3/4".



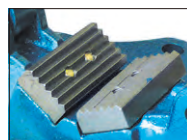
PIPE VICES

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

Ensure high durability and long life.



Comparison of jaws



V0 - V4, CV-6 attachable*



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	Steel Pipe
120LV4	V4-L Vice with legs	1/8 - 2 1/2	
120CV6	CV-6 Chain Vice	1/8 - 6	

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

* The following nuts and bolts (70 - 80 mm in length) are required to attach a vice to the vice stand.
M10 x 80 mm (3 sets) for the V0 vice, and M12 x 80 mm (3 sets) for vices V1 - V4.

ROLL GROOVING MACHINES

No more worries about obtaining the perfect groove!

LIGHT GROOVE 150DX

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

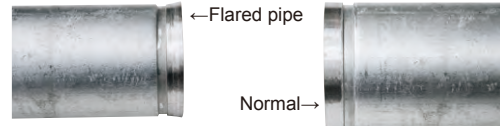
Standard Model: 2" - 6"

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.

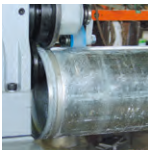
High precision machining avoids unwanted flared pipe ends.

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.



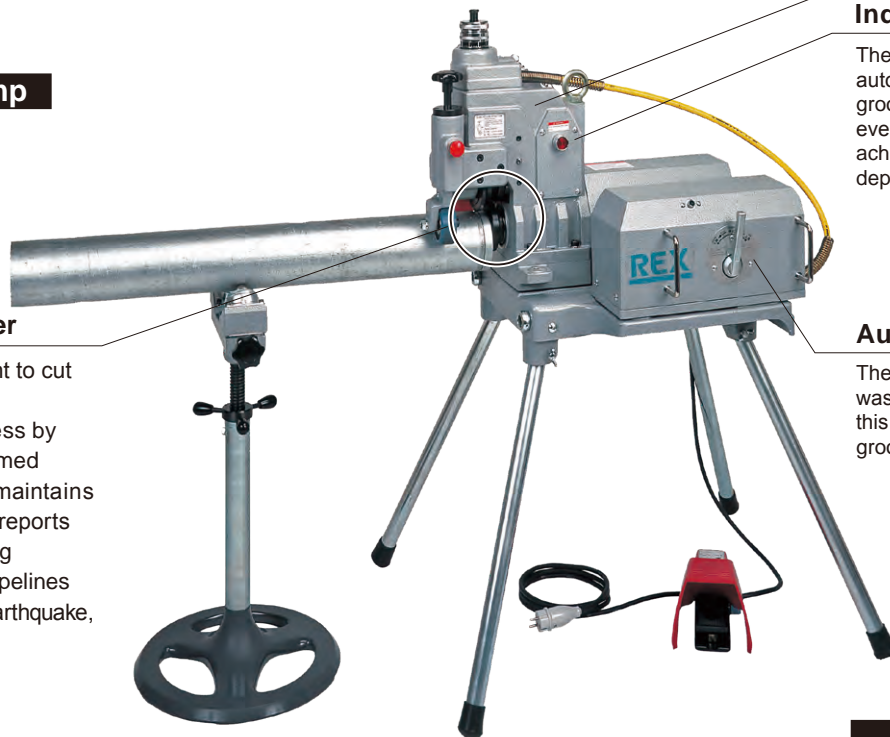
Automatic Pump

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



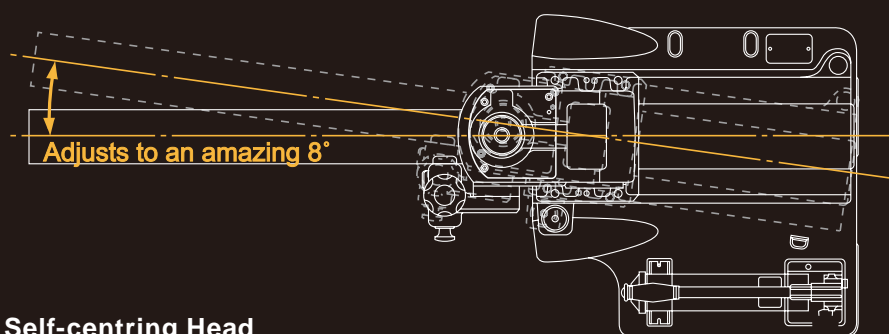
Standard Accessories:

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



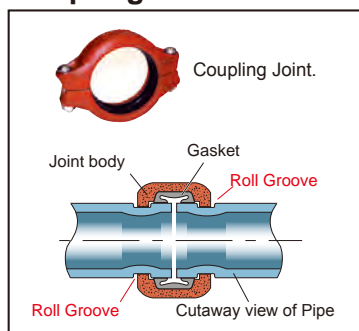
Self-centring Head

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.



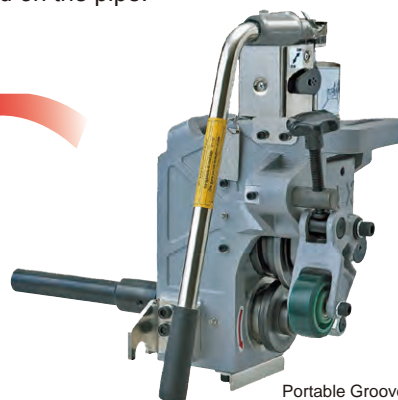
No need to remove carriage, reamer or Die-head



Hydraulic Cylinder



RG-RH on NP50AV



Portable Groover H
RG-RH
with Mount Kit
M-HR1 (Option)

Standard Accessories:

341133 Roller Set 2" - 6" (Sch. 10 - 40)

341125 Spacer 1" - 6"

(Mount Kit not included)



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



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")

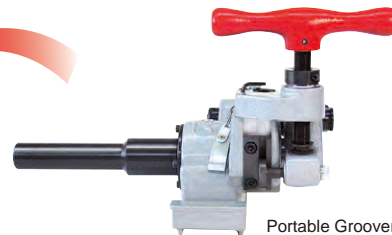
Standard Model: 2" - 6"

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

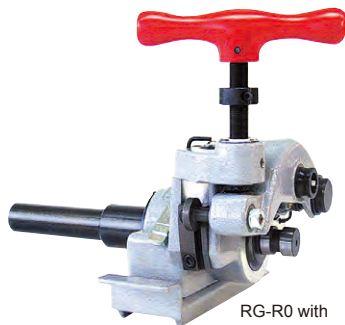
- Anti-slipping device enables safe, efficient processing.
- Groove depth easily adjusted.
- Special power booster facilitates light and easy operation.



RG-R1 with FP50A

Portable Groover M
RG-R0 with Mount Base R1

For Steel Pipe Portable Groover M

RG-R0 with
Mount Base R1

- Makes grooves on 1" to 6" Schedule 10 and 1" to 3" Schedule 40 steel pipes.
- Easily attached to REX N50A, R50A, P50A, NP50A, FP50A, FR50A, 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).

Standard accessories :

Mount base (Except RG-R0) 1 pc,
Connecting shaft 1 pc,
Socket head cap screw (M8×25) 4 pcs,
Spring washer (8mm) 4 pcs, Hex key 3, 4, 5, 6 mm,
Grease, Tool box

For Stainless Steel Pipe Portable Groover S

RG-S1 with
Mount Base R1

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



Rollers for SUS

Precise grooving with special
rollers

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, FP50A, FR50A		14.5
341502	RG-R2	N80A, S80A, NP80A		
-	RG-R3	N100A		
341503	RG-E1	#300		
341504	RG-E2	300 Compact	Stainless Steel Pipe 30 - 150Su, 1" - 6" : Sch. 5S Standard Model S1- 30 - 50Su, 1" - 1½" : Sch. 5S (Roller set 341635) S2- 60 - 150Su, 2" - 6" : Sch. 5S (Roller set 341636)	10.0
341631	RG-S1	No Mount Base		
341632	RG-S2	No Mount Base		

Combined Motor and Groover Set FPG150M

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

Standard Model: 2" - 6"

Rex provides a great combination!

- FPG150M is a combined motor unit and Portable Groover M (RG-R0+M-R1).

FPG150M
341327

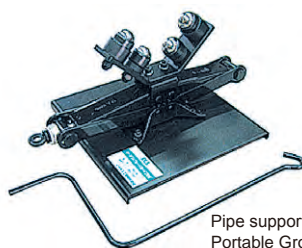
Code No.	Model	Voltage	Groover	Weight (kg)
341327	FPG150M CE 230V	230 V	RG-R1	55.0

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

Mount Kit M-HR1
341560Mount Base
341555 341554Pipe support for
Portable Groover
341618

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 1¼ - 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		●		
341618	Pipe support for Portable Groover			●	●
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

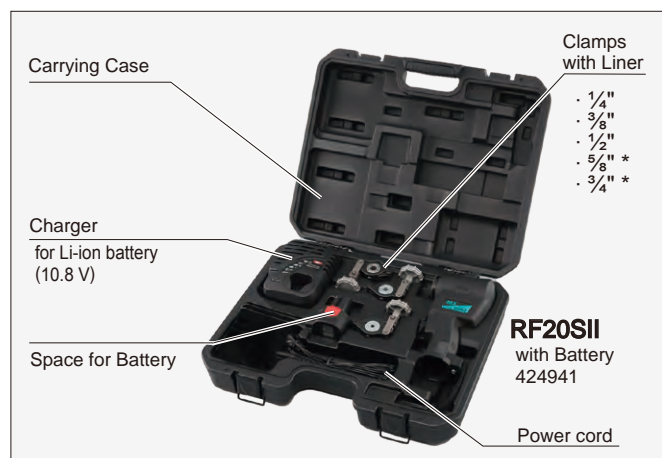
RF20SII

 $\frac{1}{4}'' - \frac{3}{4}''$

Improved Performance and Ease of Handling!

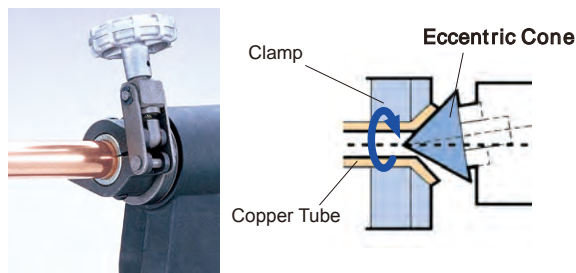


Standard Accessories



* Depends on specification

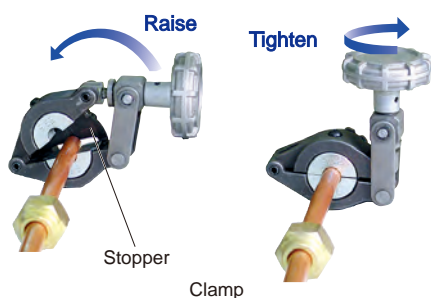
Eccentric Cone



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.

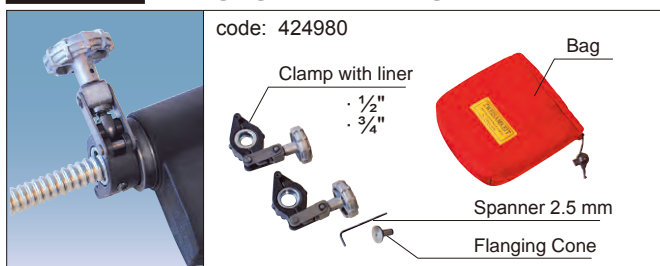
One-Action Mechanism

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 C1220T
Applicable Tube Size	: $\frac{1}{4}''$, $\frac{3}{8}''$, $\frac{1}{2}''$, $\frac{5}{8}''$, $\frac{3}{4}''$ *
Flare Type	: Supports Class 2 refrigerant (Supports R-410A)
Dimensions (LxWxH) mm	: 108 x 72 x 225 (108 x 72 x 261 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
424911	RF20SII	100	1.135	1.320
424941	RF20SII	220		

Accessories

Code No.	Model
424981	RF20SC Lithium-ion Charger AC 100-240V KC
424961	RF20SC Lithium-ion Charger AC 100-240V A-plug
424985	RF20SC Lithium-ion Charger AC 100-240V C-plug
424950	Clamp without Liner for RF20S
424850	Liner $\frac{1}{4}''$ (6.35 mm)
424852	Liner $\frac{3}{8}''$ (9.52 mm)
424853	Liner $\frac{1}{2}''$ (12.70 mm)
424854	Liner $\frac{5}{8}''$ (15.88 mm)
424855	Liner $\frac{3}{4}''$ (19.05 mm)
424980	Flanging Tool Set
471991	Scraper
471992	Blade for Scraper 10 pcs Set
424956	Charger 100V for 9.6V NiCd Battery (for RF20N)
424960	Charger 220-230V for 9.6V NiCd Battery (for RF20N)
424894	Clamp with Flaring Bar ($\frac{1}{4}''$, $\frac{3}{8}''$, $\frac{1}{2}''$)
424890	Hook

Battery Specifications

Capacity (mAh)	: 2,000
Charging time (min)	: 60 (approx)
Charges/Discharges	: 500 times
Dimensions (mm)	: L60 x W54 x H85

Code No.	Type	Output Voltage (V)	Weight (g)
424987	RF20SB 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	RF20SC Lithium-ion Charger	AC 100-240 V C-plug	335

CORDLESS FLANGE

RT20SII

 $\frac{1}{2}$ " - $\frac{3}{4}$ "Auto-flanging in 5 seconds! ($\frac{1}{2}$ " - $\frac{3}{4}$ " stainless flexible tube)

Carrying Case

RT20SII
424978

Specifications

Applicable tube	: M -13 ($\frac{1}{2}$ " (16.8 mm), M -15 ($\frac{3}{4}$ " (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 ($\frac{1}{2}$ ", $\frac{3}{4}$ "), Hex key (2.5 mm), Carrying Case

Code No.	Model	Voltage (V)	Weight (kg)	
			Body	with Battery
424978	RT20SII	220	1.135	1.320

Optional Accessories

Code No.	Model
424975	Clamp without Liner for RT20S
424777	Liner $\frac{1}{2}$ " (16.8 mm)
424778	Liner $\frac{3}{4}$ " (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
1713F5Easy screw feeding blade - each click of the knob provides a $\frac{1}{8}$ rotation.

Stripper for plastic coat

1702FS



25N

1713F3

8A-25A

MINI 32N

1713F4

8A-32A



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 R2820



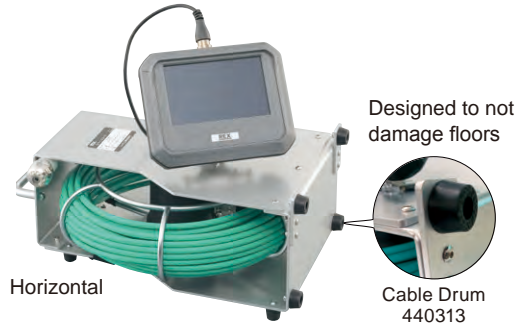
Introducing the new $\phi 28$ camera head camera with an amazing 2 million pixels!

Special Features

- Resolution 1920x1080 approximately 2 million pixels (Full HD)
- Adopts a large touch panel 5-inch monitor
- Swing monitor (up and down, left and right)
Added the ability to rotate from side to side instead of just raising it up and down.
- Built-in lithium ion battery
Can be used for 3.5 hours with 2.5H charging (standard value)
- Digital 3x tool
- Screen flip function
- Can be placed vertically or horizontally
- With distance display function
- Cable trimming can be corrected



5" inch Big Monitor



Designed to not damage floors

Cable Drum 440313



$\phi 28$

Vertical

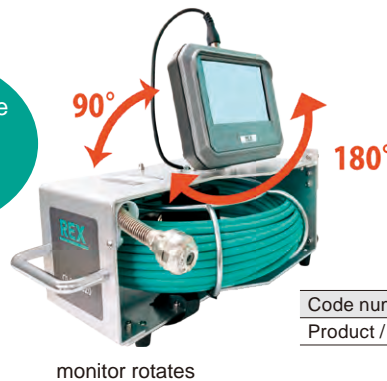
GLS-R2820



GLS-R2820
44R010

Applicable pipe diameter
 $\Phi 30\text{mm}$ to $\Phi 110\text{mm}$

Cable length
20m



monitor rotates



Carrying Case
440314



Easy to carry

Option

Code No.	Model
440371	Skid 75 for GLS-R2820



Skid 75
440371

Pixel count comparison

GLS2820 300,000 pixels GLS-R2820 2 million pixels

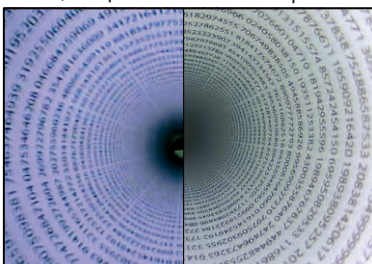
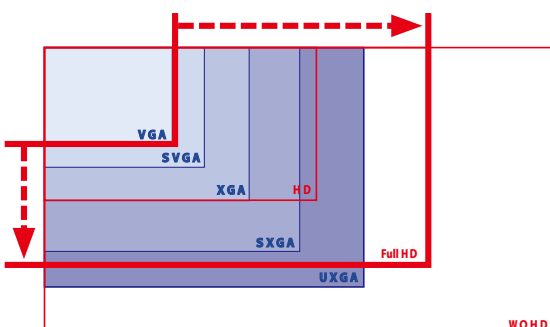


Image size comparison

The size became so large when I imported it to my computer.

GLS2820 VGA:640x480 pixel

GLS-R2820 Full HD:1920x1080 pixel



Code number	44R010	
Product / Model	G-Line Scope R2820	
Camera Head	Applicable pipe diameter	$\Phi 30\text{mm}$ - $\Phi 110\text{mm}$
	Flexibility	Capable of passing through two 90° elbows (> $\Phi 40\text{mm}$)
	External Dimensions	$\Phi 28\text{mm} \times 39\text{mm}$
	Waterproofing	Waterproof structure conforms to JIS-IP68 Waterproof to 20m
	Illumination	White LEDs (10)
Lens	Angle of view (air angle of view)	150°
	Diameter / Length	$\Phi 6.6\text{mm}$ / 20m
Camera Cable	Sheath	HDPE
	Elastic body	$\Phi 2.5\text{mm}$ FRP rod
	Minimum bend radius	R100 (at normal temperatures)
Camera	Imaging device	2,000,000 pixels C-MOS
	Weight	4.9kg $\pm 0.2\text{kg}$
Body	Dimensions	W: 280mm D: 195mm (with monitor folded) H: 355mm (including handle)
	Display device	5" TFT LCD colour monitor
LCD Monitor	Number of display dots	800 x 480 (WVGA)
	Still image recording / playback	Still images can be recorded and played back using JPEG format.
Data storage format	File format	Video : mp4
	Data storage medium	micro SD Card (CLASS10 or higher)
	Distance meter	Cable pull-out length can be displayed in the range of 0 to 20m (distance can be reset) error approximately $\pm 5\%$
	Detection method	Detected by cable drum rotation speed
	Screen display	Display each status on screen (date and time, distance display, battery status)
Video output	TV System	NTSC
	White balance	Fixed
	Video output	HDMI
Power supply	Input	USB TYPE-C connector DC5V3.0A
Built-in battery	Type	Lithium-ion battery AC 100V-240V 50/60 Hz
	Performance guarantee	Temperature : 0°C to +40°C Humidity : 30-90%Rh (non-condensing)
	Guaranteed operation	Temperature : -10°C to +45°C Humidity : 30-90%Rh (non-condensing)
Carrying case	Dimensions	440(W) x 300(D) x 315(H) mm
	Weight	Approx. 3.5kg

*A microSD card adapter is included.

PLASTIC PIPE TOOLS

Plastic Pipe Cutter Hyper Saw XS150S / Cutter Guide

Double insulation

89 mm - 355 mm



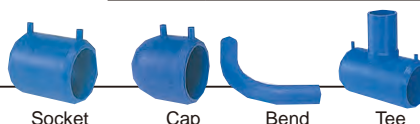
Code No.	Model	Applicable pipe (mm)	Weight (kg)
380160	Hyper Saw XS150S 220V	89 - 216	3.9
381500	Plastic Pipe Cutter Guide SV200		5.0
314051	Plastic Pipe Cutter Guide SV250	89 - 250	7.0
314052	Plastic Pipe Cutter Guide SV355	89 - 355	8.5

Saw Blade for Plastic Pipe

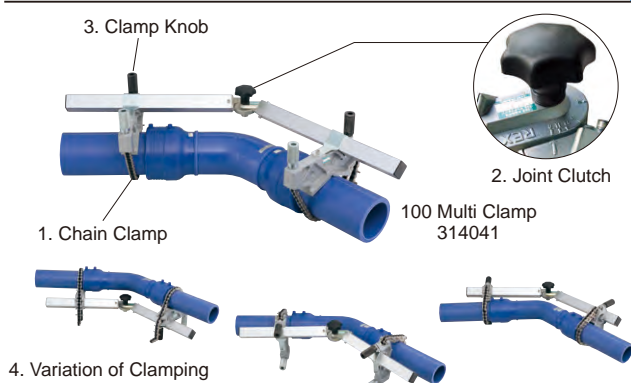
Code No.	Model	Applicable pipe (mm)
381555	Saw Blade for Rex Hyper Saw No. 25	89 - 216
314055	Saw Blade 450 for Plastic Pipe	89 - 250
314056	Saw Blade 480 for Plastic Pipe	89 - 355

Plastic Pipe tool Multi-clamp

Clamp for socket joint ▶



50 - 200



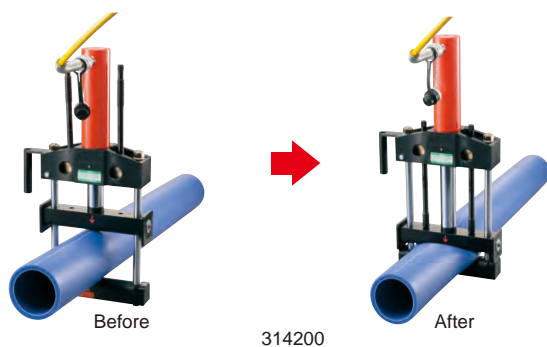
- Chain clamp allows for wide range of applicable sizes.
100: nominal size 50, 75, 100 200: nominal size 100, 150, 200
- Easy angle adjustment: 32 teeth on clutch for angle adjustment.
- Clamp knob for easy fastening.
Large clamp knob and built-in screw improves maintenance.
- 4-way clamp setting.
4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

Code No.	Model	Applicable Size (Nominal)	Applicable joint
314041	100-II Multi Clamp	50 - 65 - 75 - 100	Socket, Bend, T-type, Single socket (S.S.) straight, S.S. bend, S.S. Tee
314042	200-II Multi Clamp	100 - 125 - 150 - 200	

SHUT-OFF TOOL 50, 75, 100

For sale in Japan only

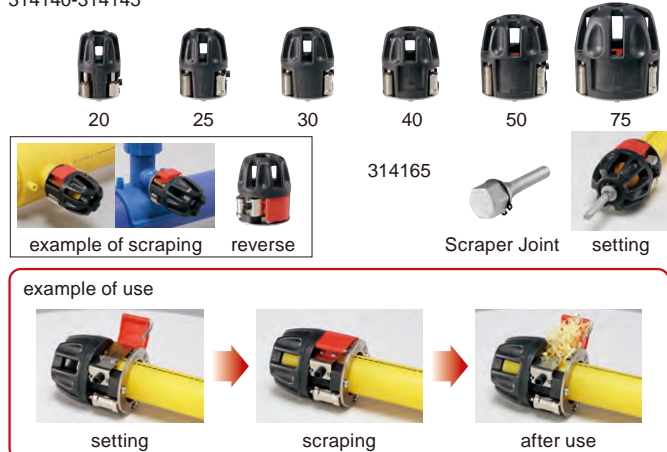
25 - 100



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

High-efficiency Oxygen Solution System

High-efficiency Oxygen Solution System

O₂max

RS-10/20/30/50

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

The ultimate solution for improving water quality in aquaculture farms

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
403506 / 403507



Code	403502 (403503)	403504 (403505)	403506 (403507)	403508 (403509)
Model	RS-10	RS-20	RS-30	RS-50
Recommended discharge rate (L/min)	120	400	700	900
Power consumption (W/kw)	905 (0.75)	2760 (2.2)	4580 (3.7)	7000 (5.5)
Rated current (A)	3.7	10.2	17.2	25.3
Motor	3-phase AC 200V 50Hz (60Hz)			
Dimensions (mm)	W740 x D740 x H1853	W915 x D915 x H2114	W915 x D915 x H1989	W1120 x D1190 x H1885
Weight (kg)	190	258	285	340

Oxygen generator RSN-15L



Control system equipped with warning lamp for safe operation

Oxygen generator RSN-15L
403010 / 403015

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

* O₂ flow rate is adjustable.

Micro-bubbler RV-007

Clogging indication tube safeguards a steady water flow



Micro-bubbler RV-007
403500

Code No.	403501 (403500)
Dimensions (mm)	W460 x D850 x H540
Weight (kg)	28
Motor	3-phase AC 200V 50Hz(60Hz)
Power consumption	1500W
Rated current	7.1A (7.3A)

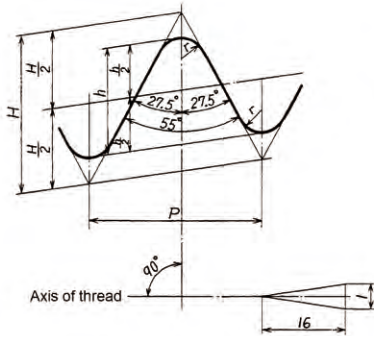
Taper Pipe Thread JIS B 0203:1999* (BSPT)

Extracted and partly modified from JIS B 0203:1999. For further information, please refer to JSA, Japanese Standards Association, <https://www.jsa.or.jp/en/>

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

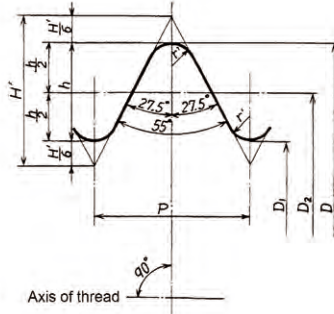
$$P = \frac{25.4}{n}$$

$$H = 0.960\,237\,P$$

$$h = 0.640\,327\,P$$

$$r = 0.137\,278\,P$$

Basic profile applied for parallel internal threads



Thick solid line shows the basic thread profile

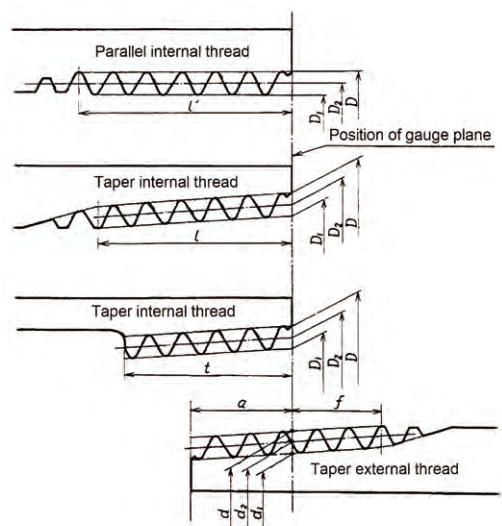
$$P = \frac{25.4}{n}$$

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

$$h = 0.640\,327\,P$$

$$r' = 0.137\,329\,P$$

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 ⁽³⁾	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		From position of gauge plane to larger diameter end	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			
								Gauge length	Axial tolerance	Axial tolerance							Taper internal thread
					Internal thread								From position of gauge plane to smaller diameter end	From end of pipe or coupler			
					Major dia.	Pitch dia.	Minor dia.										
	n	P	h	r or r'	D	D_2	D_1	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 $\frac{1}{4}$	19	1.336 8	0.856	0.18	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 $\frac{3}{8}$	14	1.814 3	1.162	0.25	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 $\frac{1}{2}$	11	2.309 1	1.479	0.32	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 $\frac{3}{4}$	9	2.309 1	1.479	0.32	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	7	2.309 1	1.479	0.32	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 $\frac{1}{4}$	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 $\frac{1}{2}$	9	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
R2	7	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 $\frac{1}{2}$	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
R3	9	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
R4	7	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
R5	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
R6	9	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
R7	7	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 ⁽³⁾: 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.

⁽⁴⁾: 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.


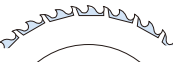

Type	Blade	Appropriate REX Products	Steel Pipe	Stainless Steel Pipe
Band saw cutting machine	 Band saw	Mantis 125/120A/180WS/180WA/270A	OK	OK
Circular saw cutting machine	 Circular saw	Carbide cutter TC-20 -150	OK	×
Pipe cutter	 Cutter wheel	Cutter on pipe machine (standard equipment)	OK	OK*

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)

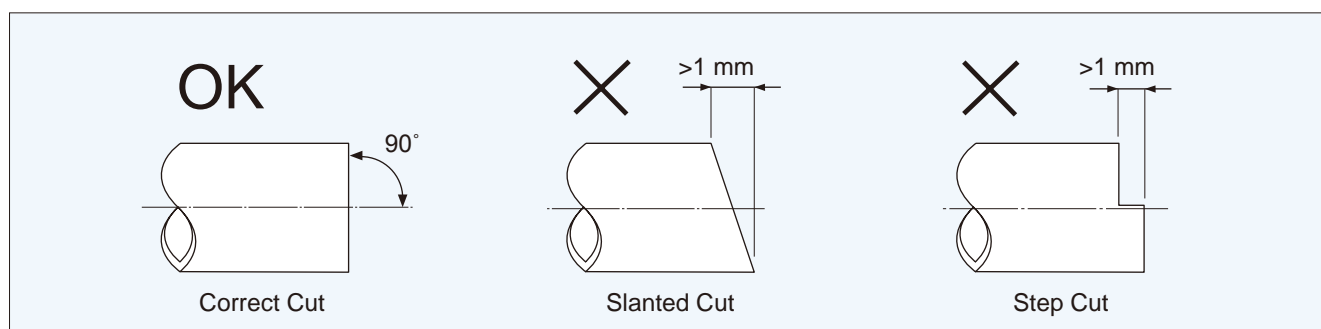


Fig. 1 Acceptable and unacceptable pipe ends

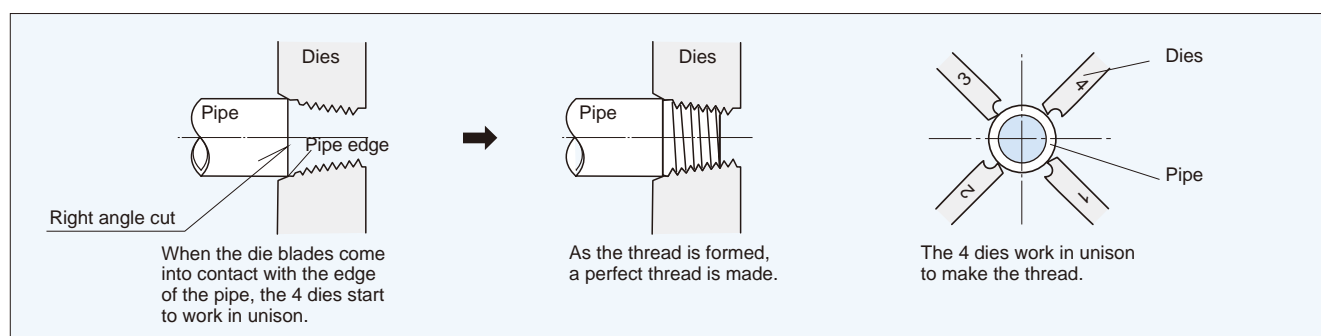


Fig. 2 Principle of cutting threads with a set of dies

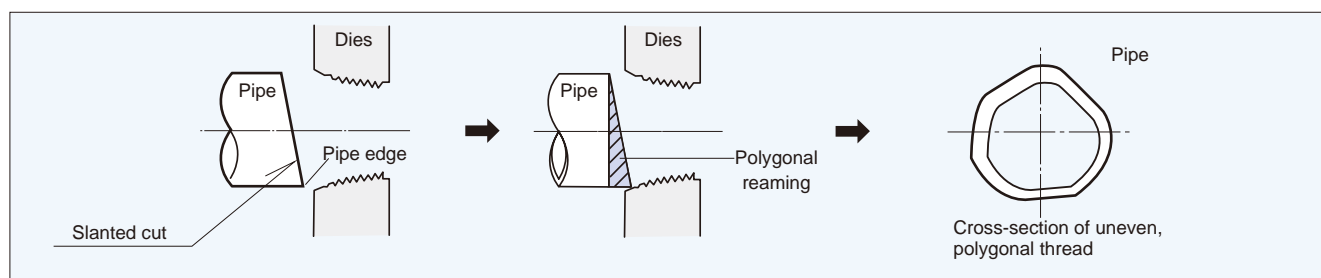


Fig. 3 Principle of polygonal threads

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)

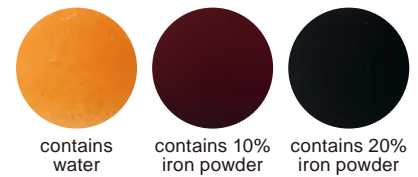
Note: Using cutting oil for stainless steel on steel pipes will result in imperfect threads and leakages.

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-RN	×	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.



Problem	Cause
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' caused by metal powder	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

f: Necessary effective thread portion (minimum)

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.

When the male thread is screwed into the tapered thread ring gauge by hand, if the end face of the male thread is between the notches -b and +b as shown in Figure 5, it is passed, and if it is out of place, it is rejected.

To pass, the full thread length (L) must have three or more threads from the large diameter end face of the gauge, and if the thread length is less than three threads, it is too short and fails.

Gauge: see page 33.

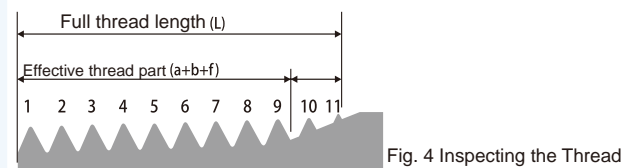


Fig. 4 Inspecting the Thread

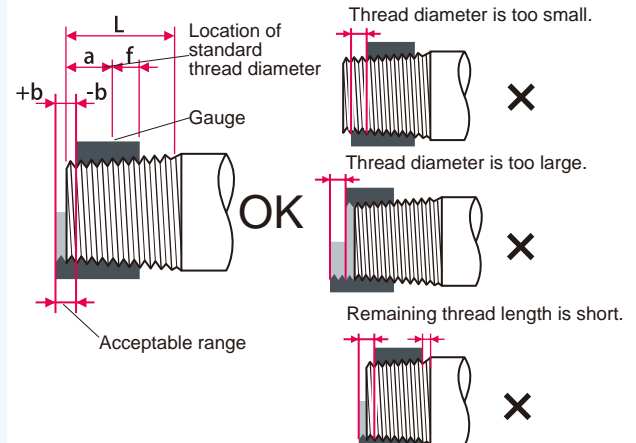


Fig. 5 Acceptable

Fig. 6 Not acceptable

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					
				Sch10	Sch20	Sch30	Sch40	Sch60	Sch80
A	B		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
			Wall thickness (mm)				
6	½"	10.5	1.0	1.2	1.5	1.7	2.4
8	¾"	13.8	1.2	1.65	2.0	2.2	3.0
10	¾"	17.3	1.2	1.65	2.0	2.3	3.2
15	½"	21.7	1.65	2.1	2.5	2.8	3.7
20	¾"	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	1¼"	42.7	1.65	2.8	3.0	3.6	4.9
40	1½"	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	2½"	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	3½"	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*)		
½" (16)	21.0	2.3
¾" (22)	26.5	2.3
1" (28)	33.3	2.5
1¼" (36)	41.9	2.5
1½" (42)	47.8	2.5
2" (54)	59.6	2.8
2½" (70)	75.2	2.8
3" (82)	87.9	2.8
3½" (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.		
6	⅝"	-	-	-	9.8	10.6	2.0	2.6
8	¾"	13.2	13.6	1.8	13.2	14.0	2.3	2.9
10	⅞"	16.7	17.1	1.8	16.7	17.5	2.3	2.9
15	½"	21.0	21.4	2.0	21.0	21.8	2.6	3.2
20	¾"	26.4	26.9	2.3	26.5	27.3	2.6	3.2
25	1"	33.2	33.8	2.6	33.3	34.2	3.2	4.0
32	1¼"	41.9	42.5	2.6	42.0	42.9	3.2	4.0
40	1½"	47.8	48.4	2.9	47.9	48.8	3.2	4.0
50	2"	59.6	60.2	2.9	59.7	60.8	3.6	4.5
65	2½"	75.2	76.0	3.2	75.3	76.6	3.6	4.5
80	3"	87.9	88.7	3.2	88.0	89.5	4.0	5.0
100	4"	113.0	113.9	3.6	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

not in BS1387

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	¾"	9.52	-	0.76
10	¾"	12.70	0.64	0.89
15	½"	15.88	0.71	1.02
-	¾"	19.05	-	1.07
20	¾"	22.22	0.81	1.14
25	1"	28.58	0.89	1.27
32	1¼"	34.92	1.07	1.40
40	1½"	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)
¼"	6.35	0.8
¾"	9.52	0.8
½"	12.70	0.8
¾"	15.88	1.0
¾"	19.05	1.0
¾"	22.22	1.0
1"	25.40	1.0
1½"	28.58	1.0
1¼"	31.75	1.1
1½"	34.92	1.1
1½"	38.10	1.15
1½"	41.28	1.2
1¾"	44.45	1.25
2"	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	¾"	17.1	0.675	-	-	-	-	-	-	2.31	0.091	2.31	0.091	3.20	0.126	-	-	3.20	0.126
15	½"	21.3	0.840	-	-	-	-	-	-	2.77	0.109	2.77	0.109	3.73	0.147	-	-	3.73	0.147
20	¾"	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	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	¾"	17.1	0.675	-	-	1.65	0.065	2.31	0.091	3.20	0.126
15	½"	21.3	0.840	1.65	0.065	2.11	0.083	2.77	0.109	3.75	0.147
20	¾"	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	1½"	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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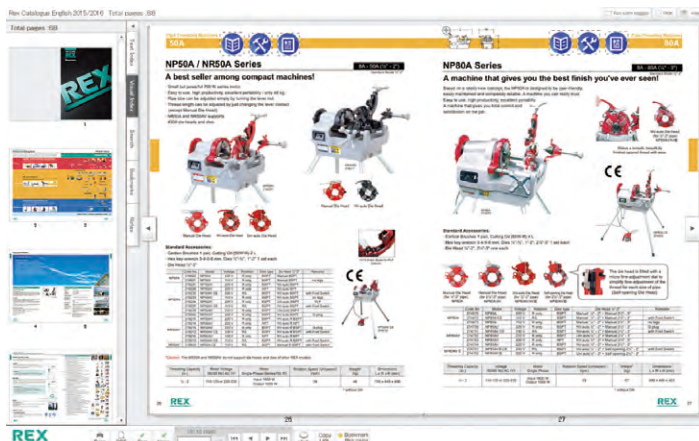
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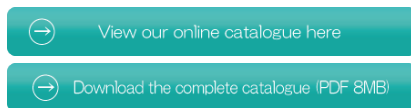
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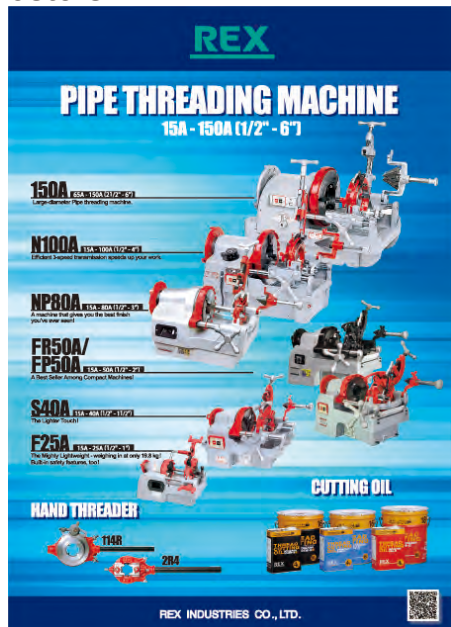
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REX PROFESSIONAL STAFF - bringing you innovative, technological breakthroughs.

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 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

URL : <https://www.rexind.co.jp>

E-mail : overseas@rexind.co.jp



Registered address & Finance Dept.

Midосуji Building, 1-4-5, Nishi-Shinsaibashi, Chuo-ku, Osaka 542-0086 Japan

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