

PIPING SOLUTIONS

REX

2016 / 2017
PRODUCT LINE UP



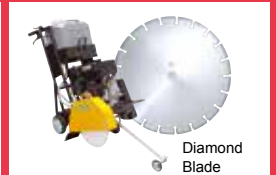
Professional Piping Tools

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

Originality – the key to outstanding cutting performance

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

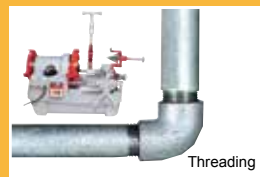
Cutting



Safe, secure connections

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

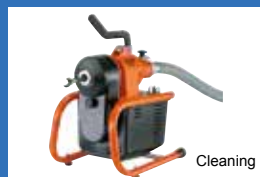
Connecting



Maintenance and care wherever you work

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

Maintenance



PIPE CUTTERS



10

BAND SAW MANTIS Series

HYPER SAW



XS150S

SABER SAW



SABER SAW 300

RB TUBE CUTTER



16

PIPE THREADING MACHINE Series



20

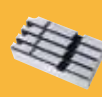
Optional Accessories



CUTTING OIL



Compatibility Tables



Dies

ROLL THREAD HEADS



SRH-20A

SRH-50A

32

PIPE VICES



CV-6

V1

CVX6

PIPE THREADERS



2R4

40

GROOVING TOOLS



RG150 (Hand Pump)

RG150A (Automatic Pump)

PORTABLE GROOVER M

PORTABLE GROOVER H

44

COPPER TUBE TOOLS

CORDLESS FLARE



RF20S

FLEXIBLE TUBE TOOLS

CORDLESS FLANGE



RT20S

48

DIAGNOSTIC INSPECTION CAMERA



GLS2820

GLS3030

50

OZONE GENERATORS



MC OZONIZER

HIGH-PRESSURE WASHERS



RZ2

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Corporate Profile

REX INDUSTRIES CO., LTD.

The Core of REX Industries

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

CUSTOMER RELATIONS

Corporate Philosophy

"The Three Benefits"

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

Our goals:

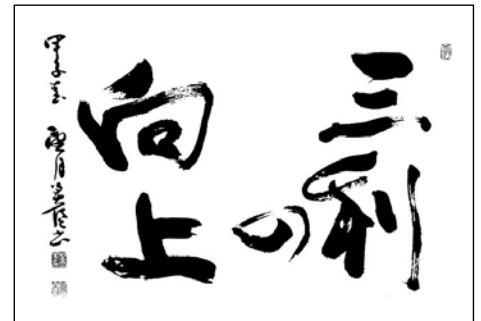
1. To create great work facilities through the development of original technology and services, and thereby to enrich our society.
2. To create, among our customers in the plumbing industry and elsewhere, a highly trustworthy and dependable company with impressive products and service.
3. To create a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

Manufacturing Policy

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

Our starting point is embedded in three simple principles:

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



"The Three Benefits"



AN OUTLINE OF REX

Established	August, 1925
Capital	¥90,000,000 (REX Group Total : ¥1,050,000,000)
Chairman	John K. Miyagawa
President	Junichi Miyagawa
Registered address & Finance Dept.	1-4-5 Nishi Shinsaibashi, Chuo-ku, Osaka, Japan
Head Office & Main Factory	1-9-3 Hishiya-Higashi, Higashi-Osaka, Japan
Tottori Factory	1124-7 Takata, Daisen-cho, Saihaku-gun, Tottori Japan
Branch Offices	Tokyo and Osaka
Sales Offices (Domestic)	Sapporo, Sendai, Tokyo, Maebashi, Kanagawa, Nagoya, Osaka, Hiroshima and Kyushu
No. of Employees	180 (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 Europe S. r. l. REX Industries India Pvt. Ltd.



Head Office, Factory / Osaka Sales Dept.



Head Office, Factory



Head Office, Factory / Museum

Quality Improvement and Environmental Preservation

ISO9001 and 14001 certified

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

ISO 9001

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



Quality Policy

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

ISO 14001

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



Environmental Policy

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



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

RoHS

Testing Equipment

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

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



Material analyser

ISO 9001 / 14001

For the planet we live on

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



THE HISTORY OF REX

- 1925 : Miyagawa Tool Works established.
- 1935 : Factory moved to newly constructed facility in Higashi-Osaka City (present location).
- 1938 : Policy initiated of hiring the disabled.
- 1959 : Tokyo branch office opened, marking the first step toward the creation of a domestic network.
- 1960 : Mass production of pipe machines started.
- 1961 : Second factory completed at Head Office.
- 1964 : Sales department becomes an independent concern, REX Tool Co., Ltd.
- 1965 : REX Industries Co., Ltd. established.
- 1974 : European market links opened.
New reconstruction work on Head Office factory completed.
- 1976 : American market links opened.
- 1979 : Head Office moved to Minamishimizu-cho, Minami Ward, Osaka.
- 1988 : Wheeler Mfg. established as a division of REX International U.S.A., Inc.
2D computer-aided design (CAD) introduced.
- 1989 : REX Industries Co., Ltd. merges with REX Tool Co., Ltd.
Service division becomes an independent company (REX Techno Service Co., Ltd.)
- 1990 : Construction of training facilities at Misaki Hall completed.
- 1991 : REX International Asia Co., Ltd. established.
Construction of new building in Higashi-Osaka completed.
- 1992 : "ENSYS" production control system and "RIMSS" sales control system implemented.
- 1993 : Corporate Identity (CI) activities initiated.
H.A. Division (Horse & Equestrian Supplies) established.
SPARKEL series awarded first prize by Osaka Design Center.
- 1994 : MANTIS 180 (Band Saw) and REX Star 25 (pipe threading machine) awarded Good Design Award by the Ministry of International Trade and Industry.
MANTIS 180 awarded Good Design Prize for Products, Architecture or Interiors by Small and Medium Enterprises Agency.
- 1995 : Support team organized to help with reconstruction following the Great Hanshin-Awaji Earthquake of January 1995; team dispatched to reconstruction sites.
Research into diamond tools and equipment begins.
- 1996 : Suzhou REX Electro-Machinery Co., Ltd. established.
Tottori Factory established.
3D computer-aided design (CAD) introduced. In-house network completed.
- 1997 : REX Museum completed.
Roll Threading machine receives Grand Meritorious Prize for Japanese Inventions.
- 1998 : Trade with Central & South America begins.
ISO 9001 certification acquired.
- 2000 : Participated in ENF exhibition, Mexico.
- 2001 : RB Tube Cutter wins Good Design Award, and Small and Medium Enterprise Agency Director's Award.
REX exhibits products in Eastern Europe for the first time (Prague, Czech Republic) .
REX International Asia Co., Ltd. moves to new offices.
- 2002 : REX Industries Europe S.r.l. established. Participated in Mostra Convegno, Italy.
- 2003 : ISO 14001 Certification acquired.
- 2004 : Construction of Suzhou REX No.2 Plant completed.
First participation in Japan D.I.Y. Home Center Show.
- 2005 : Celebration of 80th Anniversary of the founding of the company.
- 2006 : Awarded Higashi-Osaka Gold Prize for Craftsmanship.
- 2007 : Mantis 180WA/180WS Band Saw launched.
Official supplier of International Skills Festival for All Japan 2007.
- 2008 : Winner of the 33rd Nikkan Industrial Newspaper Grand Prize for Inventions
Recipient of the Osaka Environmental Agency Incentive Award for Business Activities.
Selected as one of the "300 Vibrant Manufacturing SMEs" (METI 2008).
- 2010 : According to a revision of the Standard Specifications for Public Construction Works issued by the Ministry of Land, Infrastructure and Transport, 2010, roll threads and powdered polyethylene lined steel pipe up to 50A can be used.
- 2011 : Tottori Factory Receives JSCTA's Environment Award.
- 2012 : RG-150A 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.
Tottori factory awarded the "2013 Special Award for Contributions to the Environment" by the Japan Solid Cutting Tools' Association.
- 2015 : REX 90th Founding Anniversary.
Miyagawa Tool Works merging into REX.
Recipient of the Osaka Institute of Invention and Innovation Chairman's Award for the REX Digital Test Recorder for Water Pressure and Level.



Miyagawa Tool Works (circa 1935)



Company premises and founder



Factory



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

* 2 : Winner of Osaka Design Center Good Design Prize



苏州力克士机电工业有限公司

SUZHOU REX ELECTRO MACHINERY CO., LTD.

Established March 1996

中国江苏省苏州市苏州新区塔园路89号

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

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

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



2nd Factory



Processing line



Sand Recovery System



Casting line



REX INDUSTRIES EUROPE S.r.l.

Established September 2002

Via Delle Rose 48,
40136 Bologna, Italy



REX INDUSTRIES INDIA PVT.LTD.

Established June 2013

Plot No.730, Udyog Vihar, Phase-5,
Gurgaon (Haryana), 122016 India
Tel. & Fax +91 (0)124 401 8157
<http://www.rexindia.co.in>



REX INTERNATIONAL ASIA CO., LTD.

Established April 1991

No.29/10, Village No.7, Soi
Pooncharoen, Bangna-Trad Road,
Bangchalong Sub-district,
Bangphlee District, Samutprakan
Province 10540 Thailand
Tel. +66-(0)2-103-4496
Fax. +66-(0)2-103-4497
<http://www.rexasia.co.th>





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 リッキ工業株式会社 **REX INDUSTRIES CO., LTD.**

Head Office, Factory & Overseas Sales Dept.

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

578-0948 Japan

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

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

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

E-mail: overseas@rexind.co.jp



Registered address & Finance Dept.

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

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

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



Tottori Factory

Established December 1996

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

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

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



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

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



MANTIS Series

Greatly improved operability, safety and transportability.

For
4"
PIPE



475140

Chain Vice



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



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

Flat Vice



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



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

For
6"
PIPE

Lightest in its class! Two actions in one machine!

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



4751S1

Chain Vice



CHAIN VICE UNIT
475190

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



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

Flat Vice



FLAT VICE UNIT
475192

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



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

4751A1

MANTIS 270A

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

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

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

Features (Letters A to F refer to diagram below)

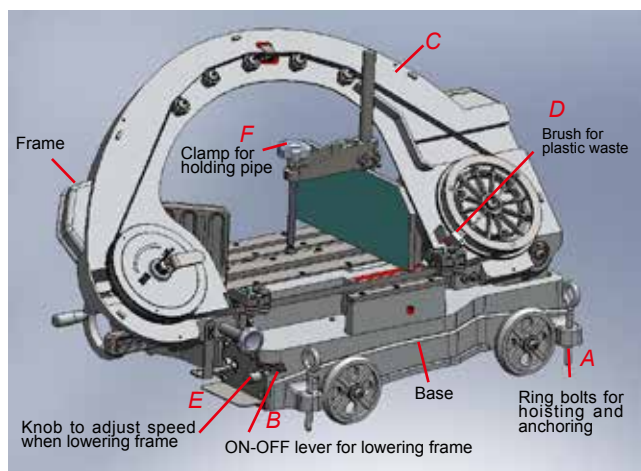
- Handles up to 10" pipe
- 4 wheels built in for great portability - **A**
- Lightest in its class
- Oil-free cutting
- Hydraulic damper and spring allows smooth adjustment of cutting speed - **B**
- Cuts at angles from 0° to 45°
- Lets you replace the blade from the front (same as Mantis 180W) - **C**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

For
10"
PIPE



4751C1

Flat Vice Only



MANTIS 270A



Code No.	4751C1
Model	MANTIS XB270A
Cutting capacity	90° ROUND PIPE Φ 270/SQUARE PIPE 250/ ROUND BAR (MILD STEEL) Φ 40 45° ROUND PIPE Φ 170/SQUARE PIPE 150
Motor	Single phase 220 V (50/60 Hz), Split-phase Induction motor 250W (Output), 380/350W (50/60Hz : Input) with overload protection
Pulley speed (rpm)	70 (50 Hz), 84 (60 Hz)
Dimensions (mm)	L990 x W510 x H600
Weight (kg)	80
Standard accessories	14-tooth HSS blade (x1)(475270) Spanner for adjustment of vice angle, Wrench (19 mm) Hex key wrench 8 mm
Optional accessories	Cutting-length guide (475196), Pipe support for 270A (4751Z9), 18-tooth HSS blade(475275)



Cutting-length guide



Pipe support for 270A

Use: Cutting Steel & Stainless Steel materials



Square pipe



Round pipe



H - beam



Angled bar



Round bar



Angled cutting



Contour cutting

MANTIS Series

Features

Safety

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

Easy operation

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

XB125

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

XB125 / XB120A / XB180WS / XB180WA

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

XB120A / XB180WA

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



Fig.1 All cutting operations located at the front



Fig. 2 Easy replacement of spare saw blade



Fig. 3 Large wheels make it easy to move



Fig. 4 Contour cutting



Fig.5 Contour cutting for small steel material

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

Fig. 7 Bundle cutting (Chain Vice)

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

Fig. 9 Auto-winding chain (XB125)

Fig. 10 Angled cutting (XB120A, XB180WA)

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. 12)
- Different blades available for a variety of materials from steel and stainless steel to plastic, cast iron and mortar lined pipe. (Pg. 12)
- You can do bundle cutting (Fig.7), angled cutting (Fig. 10), and contour cutting. (Figs. 4-5)

Cut thin stainless steel pipe using a very light load.

XB180WS/XB180WA
Two machines in one!

For **6"** PIPE

Blade easily changed



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

Frame

Self angle adjustment



Fig.12 Larger bearings provide greater durability.

Brush for plastic waste



Fig.6

Just three bolts needed to change the vice.

Base

Flat Vice Unit

475192

Flat Vice

XB180WA 4751A1



Fig.13

Grind Saws

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



Fig.14

Band Saws

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

CE version available.



Fig.15



CE version is available for XB180WS / WA

MANTIS Series

Mantis Saw Blades (Optional extras)

Be sure to use only recommended blades.

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

* Standard accessory



475312



475211



475270



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.

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

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

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

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

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

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

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

Material		Nominal size	High-speed steel Blade	
			14	18
Steel pipe	Nominal size	20A - 50A (3/4"-2")	1-2	1-3
		65A - 250A (2 1/2"-10")	2-4	2-4
Stainless steel	Schedule 40	20A - 50A (3/4"-2")	1-2	1-3
		65A - 250A (2 1/2"-10")	2-4	2-4
	Thin wall stainless steel (SU pipe)	20 - 25Su		0.5
		30Su - 75Su		0.5-1
		80Su - 125Su		1-2
Resin 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
	Round bar	>= 4 mm	2-4	2-4
		<= 15 mm	1-2	1-3
		16 - 40 mm	2-4	

Saw blade essentials

Two types available

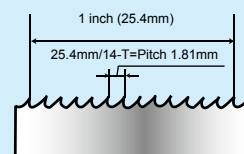
Alloy blade for steel pipe
HSS blade for stainless steel pipe

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).



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

CM Series CUTTER

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

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



CM50
130500

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



CM50RB
131500

Applicable Pipes: Steel Pipe

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



13P730
For CM 50RB

C Series CUTTER

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

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



13P105
For C1 / C2



C2
1301P2



C2 3-Wheel Cutter
1301PA



C4
1301P4

Applicable Pipes: Steel Pipe

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

LINK CUTTER

80A-200A (3"-10")

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



No. 10
1302P2



13P605
For No. 2



13P670
For No. 10

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

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

PE RB CUTTER

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

Applicable Pipes: Polyethylene Pipe

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



PE RB100-II
311672



PE RB150
311671

HYPER SAW

Perfect for replacing pipes and demolition work!

Lightweight, Great Strength and Durability

HYPER SAW XS150S

up to 200A (8")



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.

Standard Accessories:

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

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

* Standard accessory for XS150S

HYPER SAW XS130S

up to 125A (5")

Formidable power in cutting stainless steel pipe

220V Coming Soon



Standard Accessories:

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

XS130S

Cobra Blades Cutting speed 1.4 times faster*

* REX internal data

Code No.	380131
Model	Hyper Saw XS130S
Cutting capacity	Steel pipe : up to O. D of 130 mm (125A)** PVC pipe : up to O. D of 130 mm (125A : 5") Mild steel materials : up to 19 mm
Voltage (V)	100
Motor	Single phase series motor (50/60 Hz) Input 1200 W
No. of Strokes (1/min)	1000 - 2800 (stroke 27 mm)
Main unit weight (kg)	4.0

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

For cutting underground pipes!

SABER SAW 300

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

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



SABER SAW 300
380310
for steel pipe

Code No.	380310	380317*
Model	SABER SAW 300	
Cutting capacity	50A-350A (2"-14")	
Voltage (V)	100	220
Motor	Single-phase condenser motor. Output 750 W	
Strokes (mm)	60	
No. of Strokes (1/min)	308 (50 Hz) , 370 (60 Hz)	
Weight (kg)	Body: 9.5 Vice: 12 Motor case: 23	Flexible shaft (3.5 m): 7.5
Standard accessories	HSS saw blades: For 150A, 200A, 300A – 1 each Tool Box Lever weights (8 kg) – 2 Complete set of tools (in tool box), Weight axis, Flooding device set	

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

* discontinued

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

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

RB TUBE CUTTERS

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

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

RB TUBE CUTTER

Φ3–Φ67

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

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

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



Rollers with radial ball bearings (Model N42S)



RB22
425122
Φ3 - 22
For copper tube

N28S
427228

N30S
427630

N42S
427642

N67S
427667



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

*grooving tool

SPARE CUTTER WHEELS and ROLLER (with ball bearings)



N42P



N30P



N28



N28S



N67S

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

Functions

Designed to produce the finest cut possible!

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

Use less energy than ever!

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

Five sizes, 12 models to suit practically any job

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

Performance

High-performance bearings

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

Ideal for copper or thin wall stainless steel pipes

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

Improved cutting performance

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

Design

Reflecting REX' commitment to top performance

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

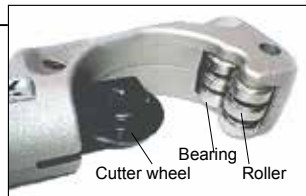
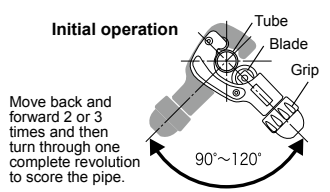
Ease of use

Universal design makes them easy for anyone to use

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

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

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



Bearings



Ergonomic design



Cutting a short pipe

Supplied in blister packs



N30P
427830



N30S
427630



N67P
427867



N67S
427667



Cutter Wheel
for copper tube
424292



Cutter Wheel
for SUS pipe
424284

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

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

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

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



Model 42 (top)
Model 30 (bottom)

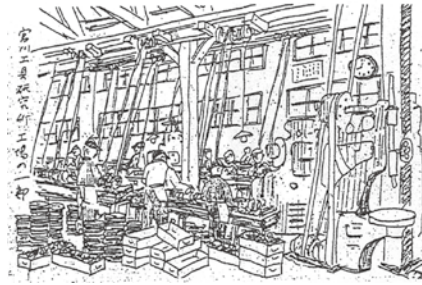
A History of REX Threading Machines

Products in the early days

Rex was originally established as "Miyagawa Tool Laboratory" 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.



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



Hand grinder



Cobra brand gasoline
blow torch



Oster-type hand threader

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



40A

1975-1984
Mini40A



1983-2005
N40A



2005-
S40A



50A

1960
No.2



1971-1983
Boya 50ADX



1979-2001
60AⅢ



1983-1999
N50A



1999-2011
P50A



2011-
NP50A



R50A



NR50A



80A

1967
No.3



1972-1988
Ushiwaka 80ADX



1980-
90AⅢ



1988-2002
N80A



2002-2011
S80A



2011-
NP80A



100A

1962
Apollo 100A



1974-1985
Apollo 100ADX

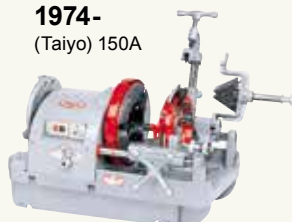


1985-
N100A



150A

1974-
(Taiyo) 150A



Special features of REX pipe threading machines

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

EASY MAINTENANCE

Easy to change the Dies



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

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

Easy to change the Chuck Jaw Inserts

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



Easy to check and inspect the Oil Pump, too

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



Easy to change the Carbon Brushes

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



To access and replace the brushes, remove the side and bottom covers with a screwdriver.

The brushes can be changed easily, even if they wear out while working at a construction site.



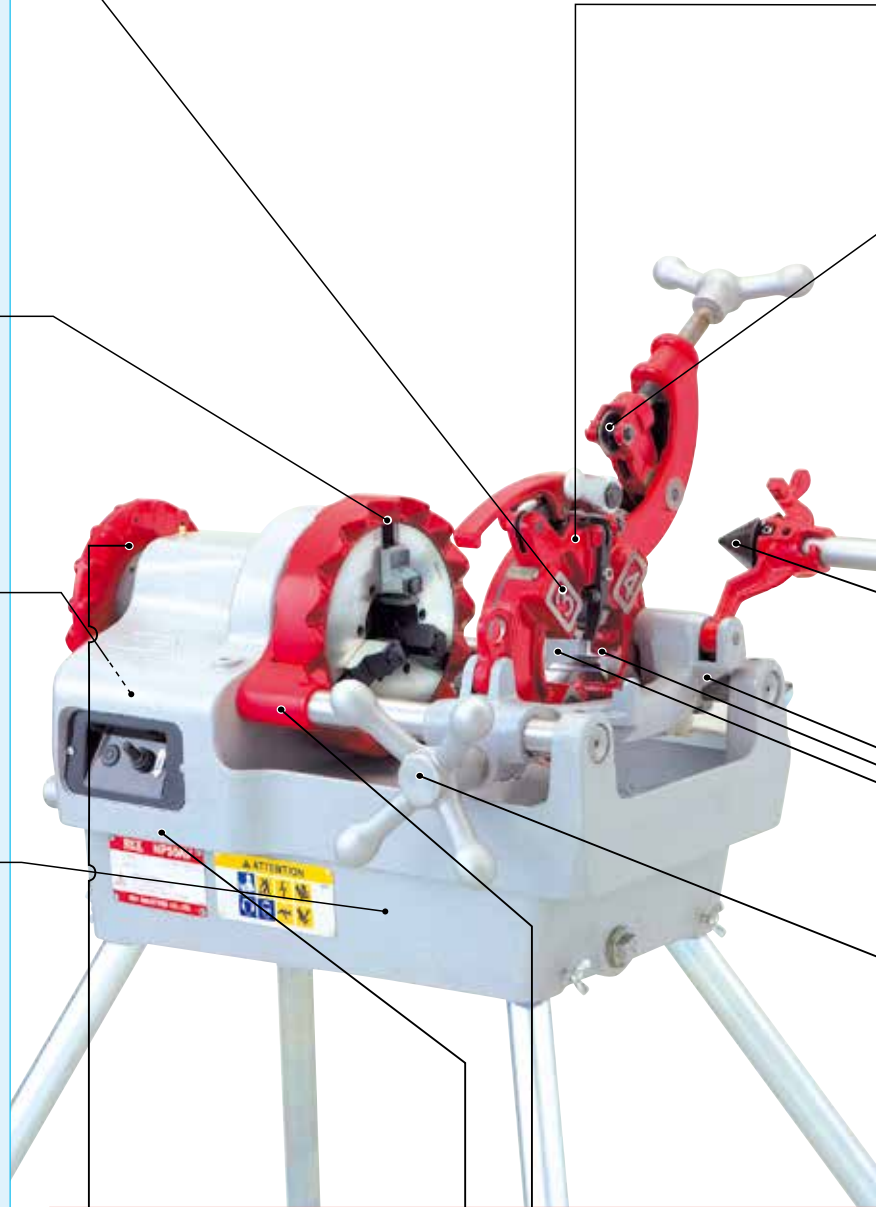
Side cover : Closed (A)
Open (B)



Bottom



Side



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

• Safety collar protects operator's fingers.

• Easy to carry



COMPATIBILITY

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

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



Portable Groover M



Portable Groover H



16K030



Manual DH

Uni-auto DH

NV-auto DH



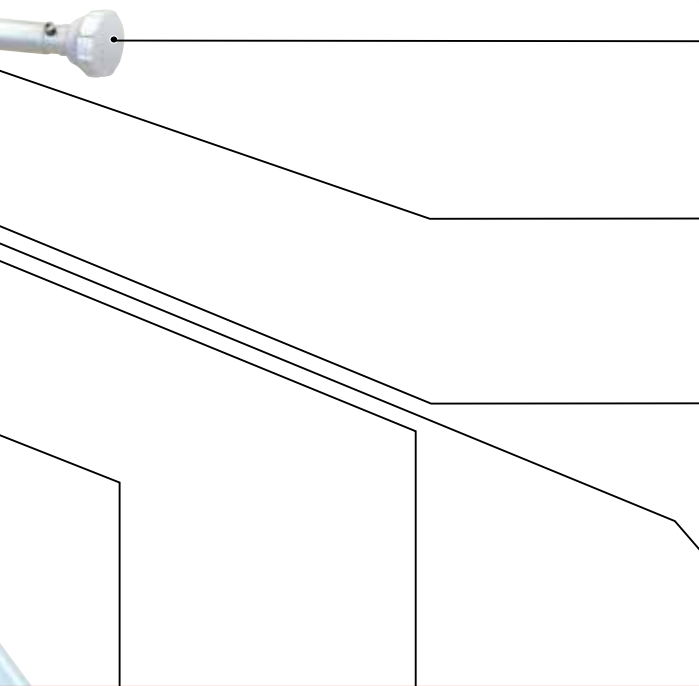
50A



80A



100A



- The reamer shaft has a long enough stroke to reach the pipe wherever it is, so reaming is very easy.



- Round cone stabilises reaming. (2 blades)



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



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



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



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










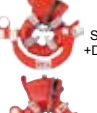
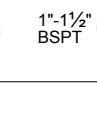




































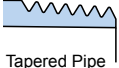
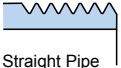

USER FRIENDLY

PIPE THREADING MACHINES
















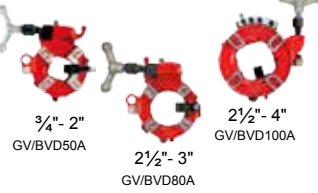









Optional Equipment Chart

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

* Die head holder required. (see page 32)

	Capacity (in.)	Motor	Weight (kg) w/o DH	Manual Die Head**	Uni-auto** Die Head	NV-auto** Die Head	Self-opening** Die Head
	1/4 - 1	110 V, 120 V 220/230 V Series 400 W	19.8	1/4"-1" BSPT NPT 3/8"-3/4" BSW  MD25A	—	—	1/4"-3/8" 1/2"-1" BSPT NPT  SOD10A/25A
	1/4 - 1 1/2	110 V, 120 V Series 400 W	36.8	1/4"-3/8" BSPT NPT 5/16"-7/8" BSW  MD10A 1/2"-1 1/2" BSPT NPT Metric UNC PF C  MD40A	 UAD40A 1/2"-1 1/2" BSPT NPT	 SOD10A/25A* +Die head holder  SOD20A 1"-1 1/2" BSPT  SOD40A	
	1/4 - 2	110 V, 120 V 220/230 V Series 600 W	46	 MD10A 1/2"-2" BSPT NPT BSW Metric UNC NPSM BSPP PF C  MD40A  MD50A	 UAD50A 1/2"-2" BSPT NPT	 NVAD50A 1/2"-2" BSPT NPT	 SOD10A/25A* +Die head holder  SOD20A/40A 1"-2" BSPT NPT  SOD50A
	1/4 - 2	110 V, 120 V 220/230 V Series 600 W	46	1/8"-2" BSPT NPT  MD50A-R	 UAD50A-R*** 1/2"-2" BSPT NPT	 NVAD50A-R 1/2"-2" BSPT NPT	—
	1/4 - 3	110 V 220/230 V Series 700 W	67	 MD10A 2 1/2"-3" BSPT NPT BSPP PF C  MD80A  MD40A  MD50A	 UAD50A 1/2"-2" BSPT NPT	 NVAD50A 1/2"-2" BSPT NPT	 SOD10A/25A* +Die head holder  SOD20A/40A SOD50A 2 1/2"-3" BSPT  SOD80A
	1/4 - 4	110 V, 120 V 220/230 V Condenser Series 1000 W	123	 MD10A  MD50A 3 1/2"-4" PF  MD100A***  MD40A  MD80A	 UAD50A 1/2"-2" BSPT NPT	 NVAD50A 1/2"-2" BSPT NPT	 SOD20A/40A SOD50A 2 1/2"-3" BSPT  SOD80A
	2 1/2 - 6	110 V, 120 V 220/230 V Condenser Series 750 W	170	—	—	—	—
Example of setting							
Cutaway view				BSPT NPT  Tapered Pipe	BSPP PF C NPSM  Straight Pipe	Metric BSW UNC  Straight Bolt	
Features				· Die head and dies for steel pipes and bars.			

*** discontinued

Profiling** Die Head	Roll Thread Head <i>For sale in Japan only</i>	Grooving / Beveling** Die Head	Portable Groover	Threader cart / Caster	CE Foot Switch Version
—	—	—	—	—	—
—	$\frac{3}{8}$ " $\frac{1}{2}$ " $\frac{3}{4}$ " BSPT  SRH-10A SRH-15A SRH-20A	—	—	—	—
—	$\frac{3}{8}$ " $\frac{1}{2}$ " $\frac{3}{4}$ " 1" BSPT  SRH-10A SRH-15A SRH-20A SRH-25A	 $\frac{3}{4}$ "- 2" GV/BVD50A	 RG-R0 with respective mount base M-R series	 Threader Cart* with respective adapter * discontinued	 Available
$2\frac{1}{2}$ "-3" BSPT (Self- Profiling)  SPD80A	$\frac{3}{8}$ " $\frac{1}{2}$ " $\frac{3}{4}$ " 1" $1\frac{1}{4}$ " $1\frac{1}{2}$ " 2" BSPT  SRH-10A SRH-15A SRH-20A SRH-25A SRH-32A SRH-40A SRH-50A	 $\frac{3}{4}$ "- 2" $2\frac{1}{2}$ "- 3" GV/BVD50A GV/BVD80A	 RG-RH with respective mounting kit M-HR series	 Wheel set	 Available
 SPD80A $2\frac{1}{2}$ "-4" BSPT NPT  PD100A	 SRH-10A SRH-15A SRH-20A SRH-25A SRH-32A SRH-40A SRH-50A	 $\frac{3}{4}$ "- 2" $2\frac{1}{2}$ "- 3" $2\frac{1}{2}$ "- 4" GV/BVD50A GV/BVD80A GV/BVD100A	 Wheel set	 Available	
$2\frac{1}{2}$ "-4" BSPT NPT  PD100A-6" 5 "-6" BSPT NPT  PD150A	—	 $2\frac{1}{2}$ "- 4" 5 "- 6" GV/BVD100A GV/BVD150A	—	 Wheel set	—
	 Roll Thread	 Cut Grooving Beveling	 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. Beveling dies for reaming welded pipes.	Plasticity processing increases strength. For coupling joints.		

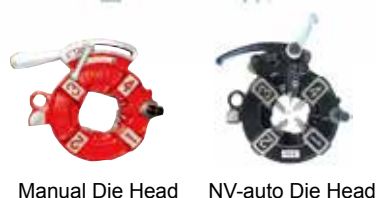
NP50A / NR50A Series

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

Standard Model 1/2"-2"

A best seller among compact machines!

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



Standard Accessories:

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



5075 Roller Blade for PLP (option)

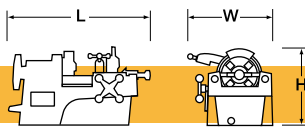
	Code No.	Model	Voltage	Rotation	Dies type	Die Head	Remarks
NP50A	218620	NP50A	220 V	R only	BSPT	Manual 1/2" - 2"	
	218621	NP50A	110 V	R only	BSPT	Manual 1/2" - 2"	no legs
	218231	NP50AV	220 V	R only	BSPT	NV-auto 1/2" - 2"	
NP50AV	218235	NP50AV	220 V	R only	NPT	NV-auto 1/2" - 2"	
	218232	NP50AV CE	230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



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

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

* without DH



NP80A Series

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

Standard Model 1/2"-3"

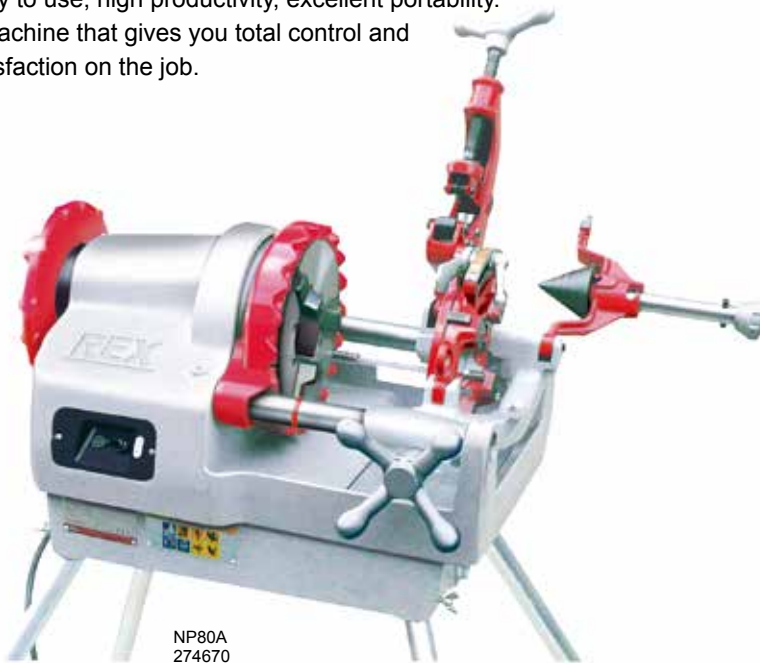
A machine that gives you the best finish you've ever seen!

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



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

Makes a smooth, beautifully finished tapered thread with ease.



NP80A
274670



NP80A CE
274672

Standard Accessories:

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



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



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



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



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



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

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

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

* without DH

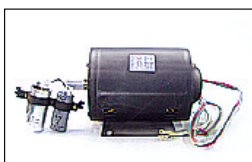
N100A

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

Standard Model 1/2"-4"

Efficient 3-speed transmission speeds up your work.

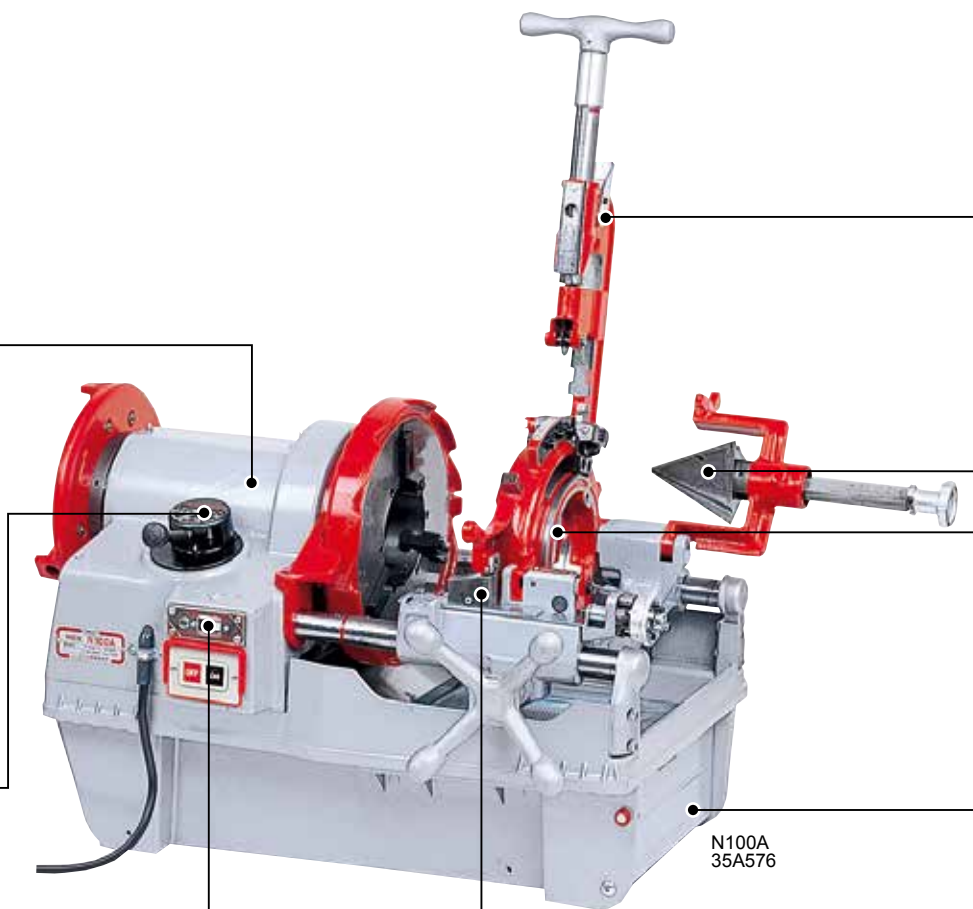
- Less than 100 sec to make a perfect 4" pipe taper thread. Less than 20 sec for a 1" pipe taper thread.
- Uni-auto Die Head for 1/2 - 2" pipe. Dies are compatible with NP50A/NP80A Manual Die Heads and Uni-auto Die Heads.
- Profiling Die Head for 2 1/2 - 4" pipe. REX original profiling system enables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



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



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

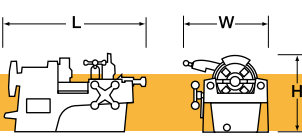


N100A
35A576

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



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



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



Round cone based reamer (2 blades)



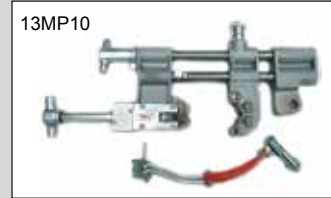
With 20 mm-wide profiling dies, the load is reduced, which makes it easy on the motor.



Built-in tool box

BLADE-TYPE CUTTER (Option)

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



Blade-type cutter on N100A



Blade 13E846



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



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



N100A CE 35A513

Standard Accessories:

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

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

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

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

* without DH

NS25A

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

Standard Model 1/2"-1"

The mighty lightweight - weighing only 19.8 kg! Built-in safety features, too!

- Motor employs a brake to enhance the safety of the machine.
- Powerful motor completes a thread in only 16 seconds.
- Special bearing used for the main shaft bearing.
- Excellent durability provides improved machine service life and precision.
- Can easily be carried with just one hand!
- New self-opening die head for greater precision.
(notch type NS25A III only)



Standard Accessories:

- Carbon Brushes 1 pair, Cutting Oil (246-R) 0.5 L x 4
- Hex Key-wrench 3-5 mm, Dies 1/2"-3/4", 1" 1 set each
- Die Head 1/2"-1"

	Code No.	Die Head	Voltage	Dies type
NS25A	205051	Manual 1/2" - 1"	220 V	BSPT
	205053	Manual 1/2" - 1"	220 V	NPT
NS25AW	205052	Manual 1/2" - 1"	220 V	BSW
NS25A III	205050	Self-opening 1/2" - 1"	110 V	BSPT / HSS
	205061	Self-opening 1/2" - 1"	220 V	BSPT
	205062	Self-opening 1/2" - 1"	220 V	NPT
	205063	Self-opening 1/2" - 1"	120 V	NPT



Switch protects die head from touching hand wheel



Cord pocket functions as hand grip, too.



Easy to carry

Threading Capacity (in.)	Voltage (50/60 Hz) AC (V)	Motor Single-Phase (Series)	Rotation Speed (Unloaded) (rpm)	Weight* (kg)	Dimensions L x W x H (mm)
1/4 - 1	110-120 or 220	400 W	55	19.8	450 x 320 x 350

* without DH

S40A

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

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

The lighter touch!

- Small but powerful 500 W series motor.
- Easy to use, high productivity, excellent portability - only 36.8 kg.
- Both Manual Opening (S40A) and Uni-auto (S40AV) Die Heads available.
- Pipe size can be adjusted simply by turning the lever nut.
- Thread length can be adjusted just by changing the lever contact.
(Uni-auto Die Head)
- Die-cast body allows high precision and stable threading.
- A machine backed by a history of perfection.

Standard Accessories:

- Carbon Brushes 1 pair, Cutting Oil (246-R or 50W-R) 2L
- Hex Key-wrench 3-5mm, Dies 1/2"-3/4", 1"-1 1/2" 1 set each
- Die Head 1/2"-1 1/2"

	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



S40A 207402

Stand base: option

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

* without DH

150A

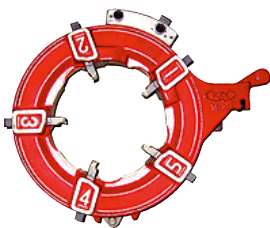
65A - 150A (2½" - 6")

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 Die Head
(for 2½"-4" pipe)



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



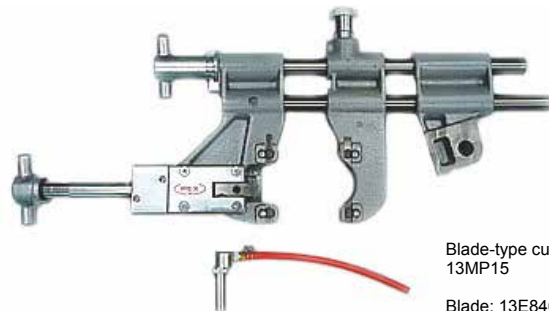
150A
366500

Standard Accessories:

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

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

- Die head: Profiling 2½" - 4" + Profiling 5" - 6"



Blade-type cutter (Option)
13MP15

Blade: 13E846

Threading Capacity (in.)	Voltage (50 or 60 Hz) AC (V)	Motor Single-Phase (Condenser)	Rotation Speed (Unloaded) (rpm)	Weight* (kg)	Dimensions L x W x H (mm)
2½ - 6	120 or 220	750 W	2½" - 3" : 18 (50Hz) , 22 (60Hz)	170	930 x 688 x 590
			3½" - 6" : 6 (50Hz) , 7 (60Hz)		

* without DH

Optional Accessories

CASTER, THREADER CART



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

* discontinued



CUTTER WHEELS for threading machines



Code No.	Type (Product name)	Use
135076	Cutter wheels for threading machines (40A-150A)	Steel pipe
135070	Cutter wheels for threading machines (20A-25A)	
135077	Cutter wheels for stainless steel pipe (40A-150A)	Stainless steel pipe
135071	Cutter wheels for stainless steel pipe (20A-25A)	

MAGNETER

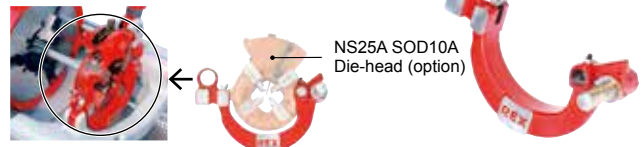


The most suitable tool for removing scrap from the machine oil tank (Magneter).

Code No.	Type (Product name)	Dimensions (mm)	Weight (g)
17027A	Magneter	Φ60 x Φ98 x 198	270

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

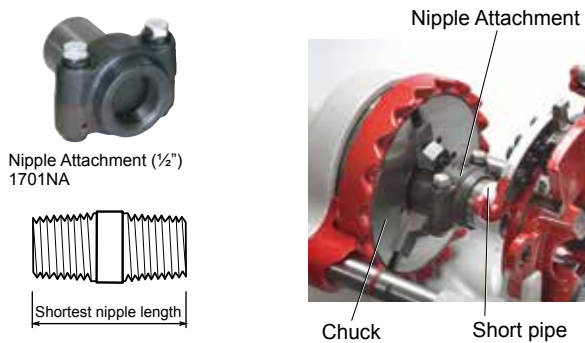
Enables 1/4" - 3/8" self-opening die heads to be used on your existing 40A-100A machines.



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

NIPPLE ATTACHMENT

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



Saves wasting short pipes. Suitable for internally coated pipes.

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

THREAD GAUGES

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



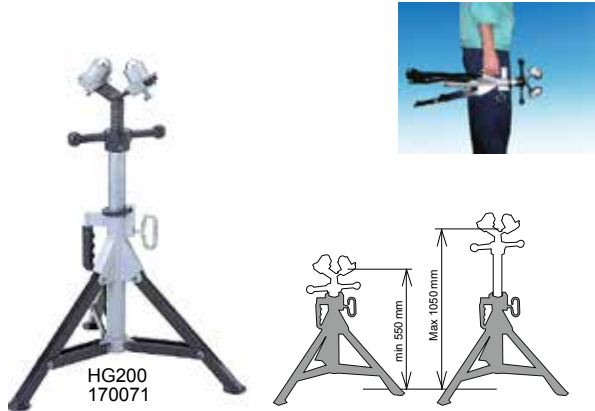
For checking male taper threads BSPT.

Code No.	Type (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

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

PIPE SUPPORT HG200 25A - 200A (1" - 8")



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

PIPE SUPPORT LG150 / LG300 25A - 300A (1" - 12")

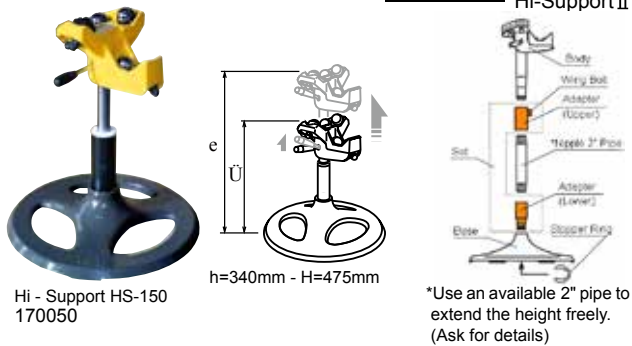


Code No.	Type (Product name)	Height (mm)	Applicable Pipe (in.)
341109	Pipe Support LG150	629.5 - 794.5	1 - 6
341110	Pipe Support LG300	471 - 668	8 - 12

Hi-SUPPORT HS-150 25A - 150A (1" - 6")

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

Option ADAPTER for Hi-Support II



Code No.	Type (Product name)	Height (mm)	Applicable Pipe (in.)
170050	Hi - Support HS-150	340 - 475	1 - 6
170056	ADAPTER II	-	-

NS25A SUPPORT 8A - 25A (1/4" - 1")



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

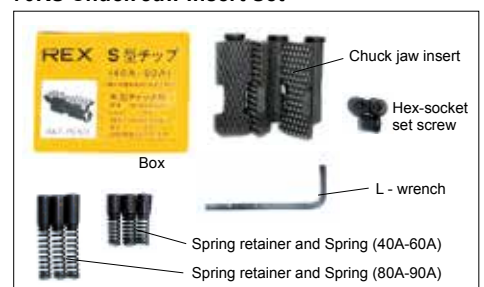
Chuck Jaw Insert Table

Chuck Type	Chuck jaw insert type	Image	Current Machine	Old Machine
RT-type	RT50A-80A (70RT)		-	32A mini 40A 50ADX 80ADX N50A Non-CE N80A Non-CE S80A Non-CE
	RT100A-150A (A0RT)		N100A Non-CE 150A	90A III 100ADX
	NS type (G0NS)		NS25A	N40A CE
	RS type 100A-150A (A0RS)		N100A CE	-
K-type	S type 40A-90A (70KS)		NP50A NR50A NP80A	N50A CE P50A(V) R50A(V) N80A CE 90A III EU mini 40A after Jun 1983 S80A CE, TW

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

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

70KS Chuck Jaw Insert Set



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-R

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



186610



181613

246-R

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

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

Compatibility table

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

Die Head and Dies Table R50A / NR50A

Die Head Table

Thread Type	DH 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

Dies Table

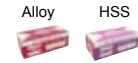


ISO 7-1 (JIS B0203) <R> British Standard Pipe thread:Tapered

BSPT	Tpi	Angle	Width	#300	REX	#300	REX	REX	Wheeler	Wheeler	DH
				RH.Alloy	Alloy	RH.HSS	HSS	"ARK"	"ARK"WH	HSSWH	
1/8"	28	55	27 mm	66655	-	66770	-	-	-	-	-
1/4"-3/8"	19	55	27 mm	66660	-	66775	-	-	-	-	-
1/2"-3/4"	14	55	27 mm	66665	161353	47785	161357	166360*	-	-	295680 290802* 292804
1"-2"	11	55	27 mm	66670	161354	18985	161358	166358*	-	-	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	"ARK"	"ARK"WH	HSSWH	DH
1/8"	27	60	27 mm	47735	-	47775	-	-	167101	167109	295680
1/4"-3/8"	18	60	27 mm	47740	-	47780	-	-	167102	167110	295680
1/2"-3/4"	14	60	27 mm	47745	161351	47785	161355	-	167103	167111	295680 292800* 292802
1"-2"	11.5	60	27 mm	47750	161352	47790	161356	-	167104	167112	295680 292800* 292802

* discontinued

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

NPSM	Tpi	Angle	Width	RH.Alloy	Alloy	RH.HSS	HSS	"ARK"	"ARK"WH	HSSWH	DH
1/8"	27	60	27 mm	-	-	47845	-	-	167105	-	-
1/4"-3/8"	18	60	27 mm	47830*	-	47850	-	-	167106	-	-
1/2"-3/4"	14	60	27 mm	-	-	47855	-	-	167107	-	-
1"-2"	11.5	60	27 mm	-	-	47860	-	-	167108	-	-

ISO 263 (ANSI B 1.1, JIS B 0206) <UNC> Unified National Coarse thread for bolt: parallel

UNC	Tpi	Angle	Width	RH.Alloy	Alloy	RH.HSS	HSS	"ARK"	"ARK"WH	HSSWH	DH
1/4"	20	60	27 mm	47985*	-	48215	-	-	167113	-	295680
5/16"	18	60	27 mm	47990*	-	48220	-	-	167114	-	295680
3/8"	16	60	27 mm	47995*	-	48225	-	-	167115	-	295680
7/16"	14	60	27 mm	48000*	-	48230	-	-	167116	-	295680
1/2"	13	60	27 mm	48005*	-	48235	-	-	167117	-	295680
9/16"	12	60	27 mm	48010*	-	48240	-	-	167118	-	295680
5/8"	11	60	27 mm	48015*	-	48245	-	-	167119	-	295680
3/4"	10	60	27 mm	48020*	-	48250	-	-	167120	-	295680
7/8"	9	60	27 mm	48025*	-	48255	-	-	167121	-	295680
1"	8	60	27 mm	48030*	-	48260	-	-	167122	-	295680
1 1/8"	7	60	27 mm	48035*	-	48265	-	-	167123	-	295680
1 1/4"	7	60	27 mm	48040*	-	48270	-	-	167124	-	295680
1 3/8"	6	60	27 mm	48045*	-	48275	-	-	167125	-	295680
1 1/2"	6	60	27 mm	48050*	-	48280	-	-	167126	-	295680
1 3/4"	5	60	27 mm	48055*	-	48285	-	-	167127	-	295680
2"	4.5	60	27 mm	48060*	-	48290	-	-	167128	-	295680

* discontinued

Dies

Width						
27mm (NS25A)	23mm	27mm	27mm (R50A)	38mm	20mm (2 1/2" - 4")	20mm (5 - 6")
160025	160003	16K030	161354	16B430	162460	162470



HSS dies marking



Alloy dies marking

Compatibility Tables

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

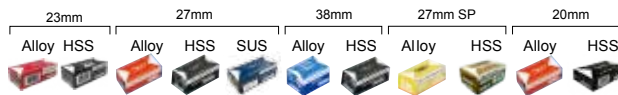
Colour shows compatibility with various machines.

40A-100A (Except R50A / NR50A)

Dies Table

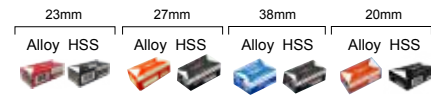
ISO 7-1 (JIS B 0203) <R> British Standard Pipe thread: Tapered

BSPT	Tpi	Angle	Width	Alloy	HSS	"SUS"	DH				
1/4" - 3/8"	19	55	23 mm	160003	166003	-	290000				
1/2" - 3/4"	14	55	27 mm	161907 *1	166007	166351	290820	295633	292820	292850	295643 295649 295652 292810 292814
1" - 1 1/2"	11	55	27 mm	161910	166010	166352	290820	295633	292820	29A870	295643 290020
1 1/2" - 2"	11	55	27 mm	161930	166030	166353	295643	290020			
1" - 2"	11	55	27 mm	16K030 *1	16K230	166357	295649	295652	292810	292814	
1" - 2"	11	55	38 mm	16B430	16E030	-	292020				
2 1/2" - 3"	11	55	27 mm	161950 *2	166050	166354	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				



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

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



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

Metric	Pitch	Angle	Width	Alloy	HSS	DH	
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	DH	
W 1/4"	18	55	23 mm	160502	160521	290000	
W 1/2"	14	55	23 mm	160504	160530	290000	
W 3/8"	16	55	23 mm	160503	160522	290000	
W 1/2"	12	55	23 mm	160505	160523	290000	
W 5/8"	11	55	23 mm	160506	160524	290000	
W 3/4"	10	55	23 mm	160507	160525	290000	
W 7/8"	9	55	23 mm	160508	160526	290000	
W 1"	8	55	27 mm	160509	160527	290820	295643
W 1 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	HSS	DH	
3/8"	18	60	27 mm	167502	29562U	29001B	
1/2"	14	60	27 mm	167504	29562U	29001B	
3/4"	12	60	27 mm	167505	29562U	29001B	
1"	11	60	27 mm	167506	29562U	29001B	
1 1/4"	10	60	27 mm	167507	29562U	29001B	
1 1/2"	9	60	27 mm	167508	29562U	29001B	
2"	8	60	27 mm	167509	29562U	29001B	
2 1/2"	7	60	27 mm	167510	29562U	29001B	
3"	6	60	27 mm	167520	29562U	29001B	
4"	4.5	60	27 mm	167530		29001B	



JIS C 8305 appendix <CTC>, former JIS JIS B 0204
Conduit, thin steel pipe thread (parallel) for electrical wiring

Conduit	Tpi	Angle	Width	Alloy	HSS	DH	
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		



Dies

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

ISO 228-1 (JIS B 0202) <G> British Standard Pipe thread: Parallel
JIS C 8305 appendix <CTG>, former JIS JIS B 0204
Conduit, thick steel pipe thread (parallel) for electrical wiring

BSPP	Tpi	Angle	Width	Alloy	DH	
G 1/2" - 3/4"	14	55	27 mm	162083	295652	292810
G 1" - 2"	11	55	27 mm	16K040	295652	292810
G 2 1/2" - 3"	11	55	27 mm	162084	295660	



PF	Tpi	Angle	Width	Alloy	DH	
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.

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

NPSM	Tpi	Angle	Width	Alloy	DH	
1/4" - 3/8"	18	60	23 mm	161360	(290000)	
1/2" - 3/4"	14	60	27 mm	161362	295656	
1" - 1 1/2"	11.5	60	27 mm	161364	295656	
1 1/2" - 2"	11.5	60	27 mm	161366	295656	
2 1/2" - 4"	8	60	20 mm	162360	293050**	

**Optional profiling board is required.

Grooving	Gv.W.	Angle	Width	Alloy	DH	
3/4"	8	90	20 mm	16G607	292026	
1" - 2"	8	90	20 mm	16G630	292026	
2 1/2" - 3"	8	90	20 mm	16G650	292036	
2 1/2" - 3 1/2"	9.5	90	20 mm	162650	293047	
4"	9.5	90	20 mm	162660	293047	



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

* discontinued



Compatibility Tables

Die Head Table

Thread Type	DH Type	Capacity	Code No.	Plate	Width	
BSPT	Manual	1/4" - 3/8"	290000 *1	B238	23 mm	
		290820 *2	L290	27 mm		
		1/2" - 1 1/2"	295633 *3	G891	27 mm	
		295649 **32	2904	27 mm		
		295643 *5	L291	27 mm		
		295652 *6	G892	27 mm		
		1" - 2"	290020	L292	27 mm	
		290030 **38	L293	27 mm		
		295660 *4	L181	27 mm		
		292820	G830	27 mm		
	Uni-Auto	1/2" - 1 1/2"	292810 *31	N731	27 mm	
		1/2" - 2"	292814 *40	NR56	27 mm	
	NV-Auto	1/2" - 3/4"	292850 *20	7747	27 mm	
		1" - 1 1/2"	29A870	G831	27 mm	
	Self-Open	1" - 2"	292020 *21	L189	38 mm	
		2 1/2" - 3"	292030 **33	7744	38 mm	
		2 1/2" - 3"	29A901	7744	27 mm SP	
	Self-Prof.	2 1/2" - 4"	293040 **34	J079	20 mm	
	NPT	Manual	1/4" - 3/8"	290000 *1	B238	23 mm
			1/4" - 1 1/2"	295630	9203	27 mm
1/4" - 2"			295655	N740	27 mm	
1/2" - 1 1/2"			295633 *3	G891	27 mm	
295652 *6			G892	27 mm		
1/2" - 2"			295643 *5	L291	27 mm	
2 1/2" - 3"			295660 *4	L181	27 mm	
292812 **36			N731	27 mm		
292810 *31			N731	27 mm		
292816 **41			NR56	27 mm		
Uni-Auto		1/2" - 2"	292850 *20	7747	27 mm	
		1" - 2"	292020 *21	L189	38 mm	
NV-Auto		1/2" - 3/4"	292020 *21	L189	38 mm	
		1" - 2"	292020 *21	L189	38 mm	
Self-Open		1" - 2"	292020 *21	L189	38 mm	
		2 1/2" - 4"	293050 **37	J102	20 mm	
Profiling		2 1/2" - 4"	293050 **37	J102	20 mm	
		1/2" - 2"	295656	L182	27 mm	
NPSM		Manual	W 3/8" - 1/2"	290000 *1	B238	23 mm
			290820 *2	L290	27 mm	
BSW	Manual	W 1" - 1 1/4"	295643 *5	L291	27 mm	
		29562U	G841	27 mm		
UNC	Manual	5/16" - 1 1/2"	29001B	9204	27 mm	
		M8 - 45	29082A	G842	27 mm	
Metric	Manual	M8 - 52	29002A	2903	27 mm	
		M20 - 32 P1.5	29003A	L281	27 mm	
		G 1/2" - 2"	295652 *6	G892	27 mm	
BSPP	Manual	G 2 1/2" - 3"	295660 *4	L181	27 mm	
		G 1/2" - 2"	292810 *31	N731	27 mm	
PF	Manual	PF 16 - 42	290823 *10	G843	27 mm	
		PF 16 - 54	290023 *11	G848	27 mm	
		PF 70 - 82	290033 *12	3330	27 mm	
		PF 92 - 104	293041 (discontinued)	J605	38 mm	
		C15 - 39	290823 *10	G843	27 mm	
Conduit	Manual	C15 - 51	290023 *11	G848	27 mm	
		C63 - 75	290033 *12	3330	27 mm	
		3/4" - 2"	292026	L187	20 mm	
Grooving/Bevelling	Handle	2 1/2" - 3"	292036	7744	20 mm	
		2 1/2" - 4"	293047	J088/J086	20 mm	

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

Die Heads

- **32: Standard Equipment with NP50A, NP80A BSPT version
- *31: Standard Equipment with NP50AV, NP80AV, NP80AV III, N100A BSPT version
- **38: Standard Equipment with NP80A, NP80AV BSPT version
- **33: Standard Equipment with NP80AV III BSPT version
- **34: Standard Equipment with N100A BSPT version
- *6: Standard Equipment with NP80A NPT version
- **36: Standard Equipment with NP80AV, N100A NPT version
- *4: Standard Equipment with NP80AV NPT version
- **37: Standard Equipment with N100A NPT version
- **40: Standard Equipment with NP50AV BSPT version
- **41: Standard Equipment with NP50AV NPT version

150A

Die Head Table

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

Dies Table

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

BSPT	Tpi	Angle	Width	Alloy	HSS	DH
2 1/2" - 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	DH
2 1/2" - 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	DH
2 1/2" - 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 is required

NS25A

Die Head Table

Thread Type	DH type	Capacity	Code No.	Plate	Width
BSPT	Manual	1/4" - 1"	295250 *1	KY22	27 mm
		1/2" - 1"	295254 *3	KY30	27 mm
	Self-Open	1/4" - 3/8"	290129 *5	MY63	27 mm
		1/2" - 1"	290130 **6	MY81	27 mm
NPT	Manual	1/4" - 1"	295252 *2	KY26	27 mm
		1/2" - 1"	295250 *1	KY22	27 mm
	Self-Open	1/4" - 3/8"	290129 *5	MY63	27 mm
		1/2" - 1"	290128 **7	MY81	27 mm
NPSM	Manual	1/2" - 1"	295252 *2	KY26	27 mm
BSW	Manual	W 3/8" - 1/2"	295254 *3	KY30	27 mm
Conduit	Manual	C19 - 39	295250 *1	KY22	27 mm
Metric	Manual				27 mm

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

- *1: Standard Equipment with NS25A, NS25AIII BSPT version
- *2: Standard Equipment with NS25A, NS25AIII NPT version
- *3: Standard Equipment with NS25AW
- **6: Standard Equipment with NS25AIII BSPT version
- **7: Standard Equipment with NS25AIII NPT version

Dies Table

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

BSPT	Tpi	Angle	Width	Alloy	HSS	DH
1/4" - 3/8"	19	55	27 mm	16P000	160030	295250 295252 295254 290129
1/2" - 3/4"	14	55	27 mm	16P407 *1	166P07	295250 295252 295254 290130
1"	11	55	27 mm	160025 *1	166025	295250 295252 295254 290130

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

NPT	Tpi	Angle	Width	Alloy	HSS	DH
1/4" - 3/8"	18	60	27 mm	16P100	166292	295252 295250 290129
1/2" - 3/4"	14	60	27 mm	161305 *2	166294	295252 295250 290128
1"	11.5	60	27 mm	161610 *2	166296	295252 295250 290128

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

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

BS84 British Standard Whitworth for bolt: parallel

BSW	Tpi	Angle	Width	Alloy	HSS	DH
W 3/8"	16	55	27 mm	166720 *3	166730	295254
W 1/2"	12	55	27 mm	166721 *3	166731	295254
W 3/4"	11	55	27 mm	166722 *3	166732	295254
W 1"	10	55	27 mm	166723 *3	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	DH
C19 - 25	16	80	27 mm	161612	-	295250
C31 - 39	16	80	27 mm	161613	-	295250

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

NPSM	Tpi	Angle	Width	Alloy	HSS	DH
1/2" - 3/4"	14	60	27 mm	161372	-	295252
1"	11.5	60	27 mm	161374	-	295252

- *1: Standard Equipment with NS25A, NS25AIII BSPT version
- *2: Standard Equipment with NS25A, NS25AIII NPT version
- *3: Standard Equipment with NS25AW

Old Model Profiling Dies

50A-II/80A-II/100ADXII

Dies Table

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

BSPT	Tpi	Angle	Width	Alloy	HSS	DH
1/2" - 3/4"	14	55	20 mm	16A407*	16D007*	297020** / 291020**
1" - 2"	11	55	20 mm	16A430*	16D030*	297020** / 291020**
2 1/2" - 3"	11	55	20 mm	16A450*	16D050*	297030** / -
2 1/2" - 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	DH
1/2" - 3/4"	14	60	20 mm	162307*	16D307*	297624** / 296624**
1" - 2"	11.5	60	20 mm	162330*	16D330*	297624** / 296624**
2 1/2" - 3"	8	60	20 mm	16A350*	16D350*	PD-NPT** / -
2 1/2" - 4"	8	60	20 mm	162360	16C360	- / 293055

*subject to stock **discontinued

Grooving	Gv.W.	Angle	Width	Alloy	HSS	DH
2 1/2" - 3 1/2"	9.5	90	20 mm	162650	-	293048
4"	9.5	90	20 mm	162660	-	293048
5" - 6"	9.5	90	20 mm	162670	-	293049

Bevelling	Angle	Width	Alloy	HSS	DH	
2 1/2" - 4"	-	30	20 mm	162760	-	293048
2 1/2" - 4"	-	37.5	20 mm	162860	-	293048
2 1/2" - 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

ROLL THREAD HEADS

ROLL THREAD HEADS

For sale in Japan only

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

Can be mounted on REX pipe machine series.



SRH-15A

Cutter Guide for Roll Thread Head

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

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

Compatibility Table

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

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

Roll Thread Sealant ZT



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

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

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

Lining Blades

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

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



Lining Blade



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

Examples of Roll Threads



Fire Sprinkler Systems



Water Supply



Gas Supply



Air Conditioning



Five great features of roll threads

1. Environmentally friendly

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

Comparison of amount of chips (internal data)

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

Table 1

2. Savings in cost

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

3. Difficult to break

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

4. Rust resistant

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

5. Leak resistant

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



Fig. 1 Chips from cut threads



Fig. 2 Chips from roll threads

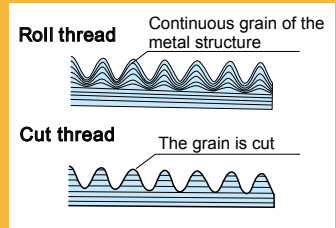


Fig. 3 Grain flow

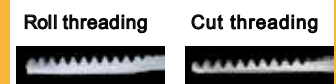


Fig. 4 Cross section

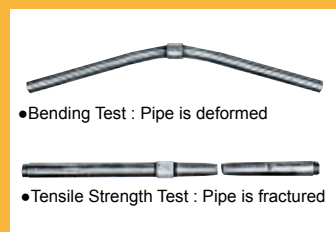


Fig. 5 In strength tests, there was no effect on the thread. The pipe itself became deformed or fractured.

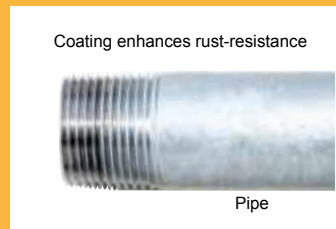


Fig. 6 Thread is left with a layer of pipe coating (20-30 μm).

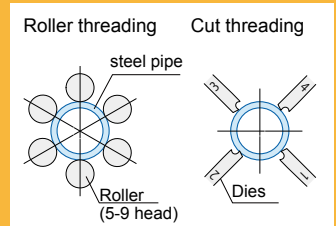


Fig. 7 Roller threading and Cut threading.



Hydraulic Piping



Air Piping



Steam Piping



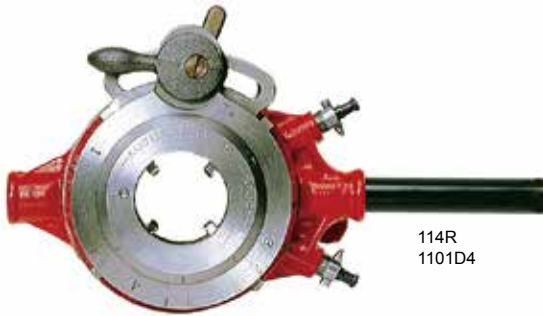
PIPE THREADERS

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



112R Dies 15A-20A
150007

114R Dies 15A-20A
151007

112R Dies 8A-10A
150003

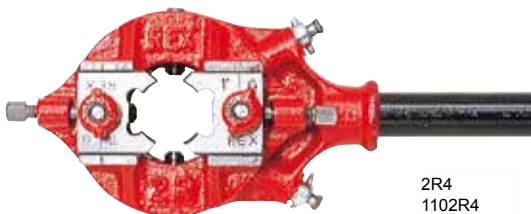
Spare Dies

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

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
1102R4

Code No.	Model	Capacity (in.)
1102R3	2R3	1/2 - 1
1102R4	2R4	1/2 - 1 1/4
1102RE	2RC	C19 - 39



2RG Dies 25A
154009

2RC Dies 25
154209

2RG Dies 10A
154003

Spare Dies

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

DROP THREADER 12R TYPE

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

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



With 1/2" Drop Head

12R BSPT
112051

MANUAL RATCHET THREADER SETS

Model and Code No.		Threading Capacity (in.) and standard dies set
12R BSPT	12R NPT	
112051*	112041*	1/8, 1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2
112055*	112045*	1/2, 3/4, 1, 1 1/4
112052*	112042*	1/2, 3/4, 1, 1 1/4, 1 1/2, 2
112053*	112043*	1, 1 1/4, 1 1/2, 2
112162*	112160*	Ratchet with handle, case only

* discontinued

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

Nominal Pipe Size	12R Type Dies-BSPT		12R Type Dies-NPT		12R Type Dies-NPSM		12R Type Drop Head with Dies-BSPT		12R Type Drop Head with Dies-NPT	
	Code No.	Name	Code No.	Name	Code No.	Name	Code No.	Name	Code No.	Name
1/8"	112121	DIES 12R 1/8 PT	112101	DIES 12R 1/8 NPT	112111	DIES 12R 1/8 NPSM	112021	DH 12R 1/8 PT	112011*	DH 12R 1/8 NPT
1/4"	112122	DIES 12R 1/4 PT	112102	DIES 12R 1/4 NPT	112112	DIES 12R 1/4 NPSM	112022	DH 12R 1/4 PT	112012*	DH 12R 1/4 NPT
3/8"	112123	DIES 12R 3/8 PT	112103	DIES 12R 3/8 NPT	112113	DIES 12R 3/8 NPSM	112023	DH 12R 3/8 PT	112013*	DH 12R 3/8 NPT
1/2"	112124	DIES 12R 1/2 PT	112104	DIES 12R 1/2 NPT	112114	DIES 12R 1/2 NPSM	112024	DH 12R 1/2 PT	112014*	DH 12R 1/2 NPT
3/4"	112125	DIES 12R 3/4 PT	112105	DIES 12R 3/4 NPT	112115	DIES 12R 3/4 NPSM	112025	DH 12R 3/4 PT	112015*	DH 12R 3/4 NPT
1"	112126	DIES 12R 1 PT	112106	DIES 12R 1 NPT	112116	DIES 12R 1 NPSM	112026	DH 12R 1 PT	112016*	DH 12R 1 NPT
1 1/4"	112127	DIES 12R 1 1/4 PT	112107	DIES 12R 1 1/4 NPT	112117	DIES 12R 1 1/4 NPSM	112027	DH 12R 1 1/4 PT	112017*	DH 12R 1 1/4 NPT
1 1/2"	112128	DIES 12R 1 1/2 PT	112108	DIES 12R 1 1/2 NPT	112118	DIES 12R 1 1/2 NPSM	112028	DH 12R 1 1/2 PT	112018*	DH 12R 1 1/2 NPT
2"	112129	DIES 12R 2 PT	112109	DIES 12R 2 NPT	112119	DIES 12R 2 NPSM	112029	DH 12R 2 PT	112019*	DH 12R 2 NPT

* discontinued

MINI POWER DRIVE

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

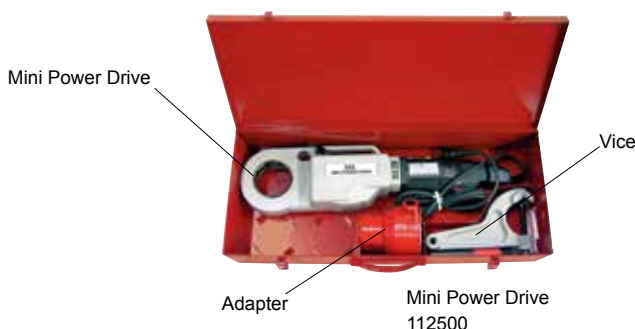


Full view with REX Chain Vice Stand CVX6

Lightweight and portable, the Rex Mini Power Drive can thread up to 2" diameter pipe or conduit and 1" bolt or rod in just seconds. Accepts 12R die heads with adapter. Requires only 1 3/4" clearance for working in trenches, overhead and in tight quarters. Mechanical high speed reverse speeds up removal after threading.



Mini Power Drive in action



Mini Power Drive

Vice

Adapter

Mini Power Drive
112500

Code No.	112500*
Model	Mini Power Drive
Threading capacity (in)	1/8 - 2
Type of thread	BSPT/ NPT
Threading speed	25 to 15 rpm
Fast reverse speed	58 rpm
Voltage	230 V, 50/60 Hz
Power consumption	1010 W
Switch	ON/OFF Dead man (Non-locking)
Machine weight	6.5 kg
Machine dimensions	580 (L) x 95 (W) x 140 (H) mm
Clamp weight	2.7 kg
Gross weight	16 kg
Carrying case dimensions	640 (L) x 263 (W) x 114 (H) mm

* discontinued

CHAIN VICE STAND CVX6

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

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

All-in-one Chain Vice Stand

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

Sturdy aluminium die cast base

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

Safe and reliable operation

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

Ceiling Brace Screw

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



Tray Support

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



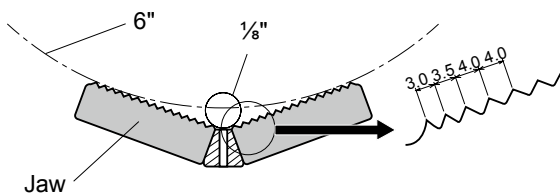
Bender

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



Grip on pipes 1/8"-6"

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



CVX6



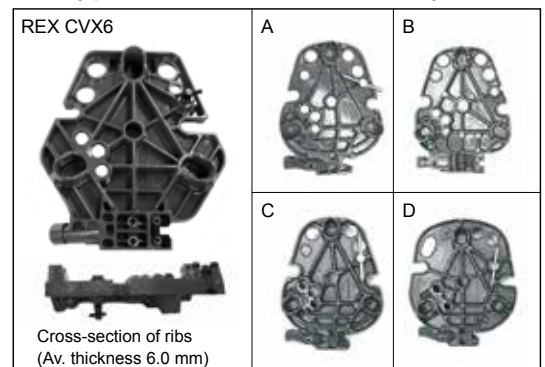
The CVX6 in actual use



Folded for storage, etc.

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

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



PIPE VICES

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

Ensure high durability and long life.

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

Chain vice

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



CV-6
120CV6



Vice Stand
120CVL



VL1
1201VL



V0
1201V0



V1
1201V1



V2
1201V2

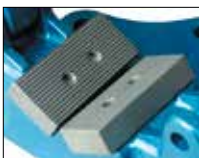


V3
1201V3



V4
1201V4

Comparison of jaws



V0-L



V0

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

ROLL GROOVING MACHINES

No more worries about obtaining the perfect groove!

LIGHT GROOVE 150DX

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

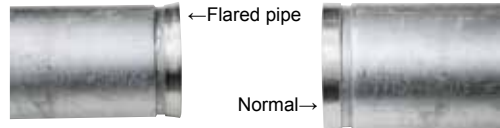
For on-site and workshop grooving of 1" - 16" Schedule 10 and, 1" - 12" Schedule 40 steel pipe.

Standard Model: 2" - 6"

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.

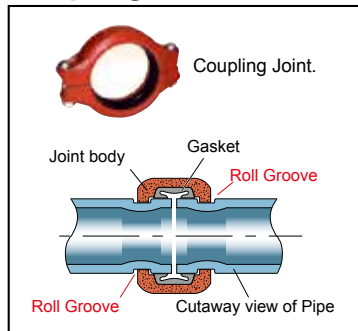
Flared pipe ends mean the gasket can't be placed on the coupling, so the job needs to be done all over again. Furthermore, to avoid producing such defects needs great skill in aligning the pipe perfectly. REX' self-centering function means just about anyone can process pipes in a stable manner and with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



Automatic Pump

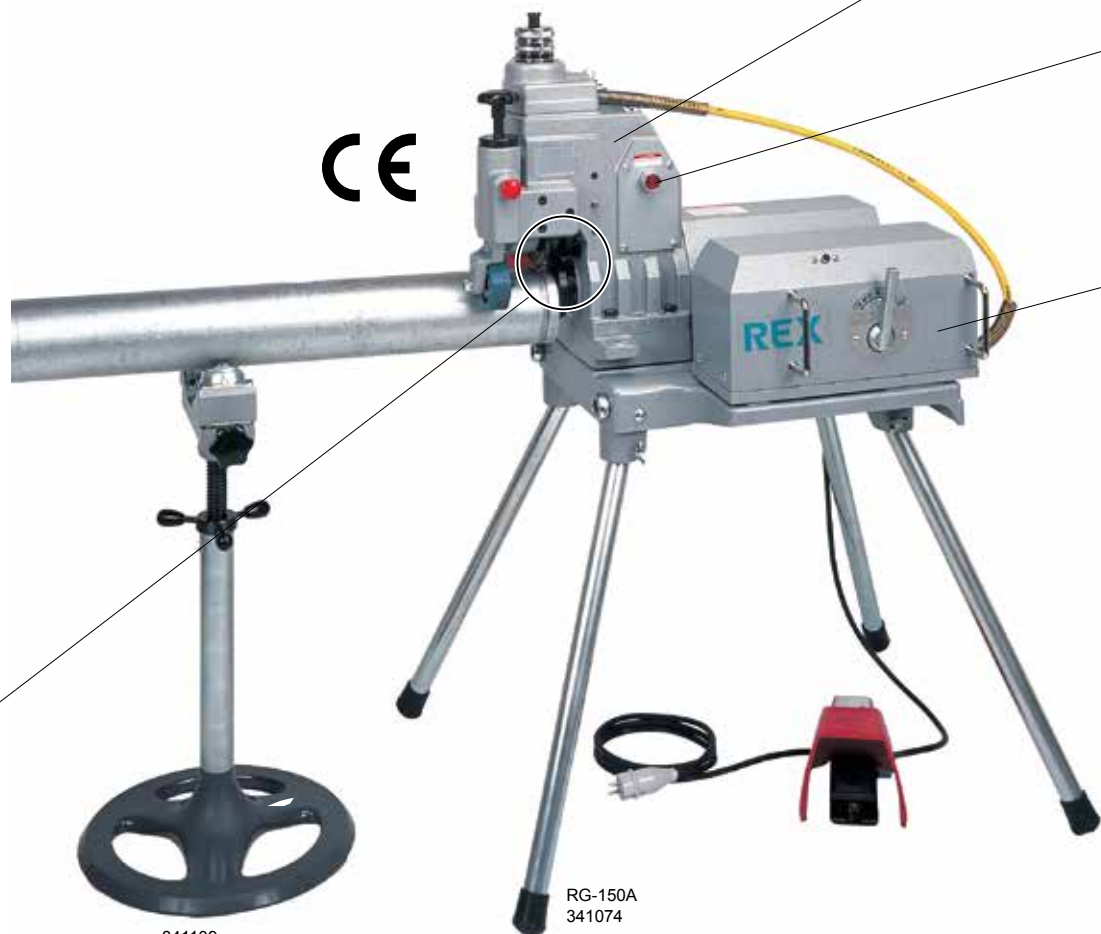
RG 150A

Coupling Joint



Roller

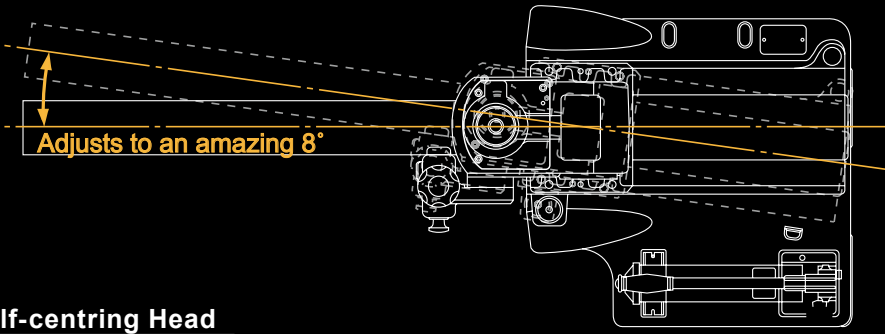
Roll grooving is different to cut grooving. Roll grooving is a process by which the pipe is deformed under pressure, which maintains its strength. Numerous reports indicate that roll grooving prevented damage to pipelines during the 1995 Kobe Earthquake, Japan.



Code No.	341080	341071, 341074 (CE)
Model	RG-150 (Hand Pump)	RG-150A (Auto Pump)
Pipe Capacity (in.)	1 - 16 Sch. 10 steel pipe 1 - 12 Sch. 40 steel pipe (Standard Model: 2 - 6 roller Sch. 10 - 40 : 341133)	
Motor	700 W Series motor	
Voltage (V)	100-110 V 50/60Hz 210-230 V 50/60Hz	100-110 V 50Hz 220-230 V 50Hz
Rotation Speed (rpm)	49 (Unloaded)	
Dimensions (mm)	D685 × W490 × H625	
Weight (kg)	75	85

Standard Accessories	Tool box, Spirit level, Spanner, T-wrench, Grease 341133: Roller Set 2"- 6" (Sch. 10 - 40), 341125 Spacer 1"- 6"
Optional Accessories	341112: Main Shaft For Roller 1"- 1½" (150DX) 341113: Roller Set 1"- 1½" (Sch. 10 - 40) 341111: Roller Set 8"- 12" (8": Sch. 10 - 40, 10"- 12": Sch. 10) 341137: Roller Set 10"- 12" (Sch. 40) 341136: Roller Set 14"- 16" (Sch. 10) For Thin-wall Stainless Steel Pipe (Schedule 5S -10S) 341112: Main Shaft For Roller 1"- 1½" 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)

Accessories for Groovers



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

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.

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.

Spacer (Groove Depth Gauge)



Roller Set

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

Hand Pump

RG 150



Accessories for Groovers

Code No	Description	Light Groove	Portable Groover H	Portable Groover M
341111	Roller Set 8"-12" (8": Sch. 10 - 40, 10"-12": Sch. 10)	●	●	
341112	Main Shaft For Roller 1"-1 1/2" (150DX)	●		
341141	Main Shaft For Roller 1"-1 1/2" (RG-RH)		●	
341113	Roller Set 1"-1 1/2" (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" - 1 1/2": 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"			●
341552	Roller Set 1 1/2"			●
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"			●*
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		●	
341124	Spacer 8" - 12"	●		
341125	Spacer 1" - 6"	●*	●*	●
341121	GV Gauge 1"	●	●	●
341122	GV Gauge 1 1/4"	●	●	●
341123	GV Gauge 1 1/2"	●	●	●
341126	GV Gauge 2"	●	●	●
341127	GV Gauge 2 1/2"	●	●	●
341128	GV Gauge 3"	●	●	●
341129	GV Gauge 4"	●	●	●
341130	GV Gauge 5"	●	●	●
341131	GV Gauge 6"	●	●	●
341132	Circumference GV Gauge	●	●	●
341206	GV Gauge 8"	●	●	
341207	GV Gauge 10"	●	●	
341208	GV Gauge 12"	●	●	

* Standard Equipment

GROOVERS

Easy grooving with a threading machine.

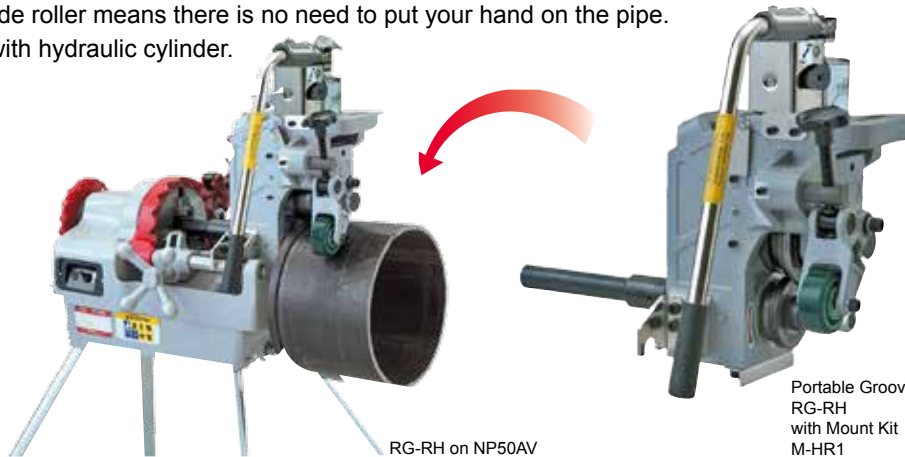
PORTABLE GROOVER H

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

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

Standard Model: 2" - 6"

- 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.



RG-RH on NP50AV

Portable Groover H
RG-RH
with Mount Kit
M-HR1



No need to remove carriage, reamer or die head



Hydraulic Cylinder

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

* Excluding connecting shaft and pump handle



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



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



Optional Accessories

Code No.	Model
341560	Mount Kit M-HR1 REX 50A Machine
341561	Mount Kit M-HR2 REX 80A Machine
341562	Mount Kit M-HR3 REX100A Machine
341563	Mount Kit M-HE1 #300
341111	Roller Set 8" (8": Sch. 10 - 40, 10"-12": Sch. 10)
341141	Main Shaft For Roller 1"-1½" RG-RH
341113	Roller Set 1"-1½" (Sch. 10-40)
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)
341124	Spacer 8"-12"
341137	Roller Set 10"-12" (Sch. 40)
341138	Roller Set 14"-16" (Sch. 10)

Combined Motor and Groover Set NPG150M

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

Rex provides a great combination!

Standard Model: 2" - 6"

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



NPG150M
341323



RG-RH on NPG150M

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

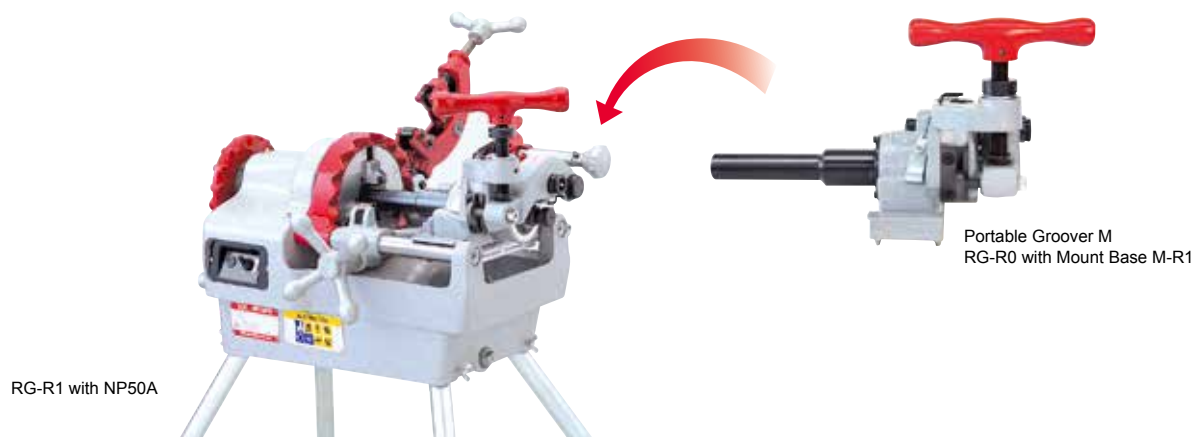
PORTABLE GROOVER M/S

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.



For Steel Pipe Portable Groover M

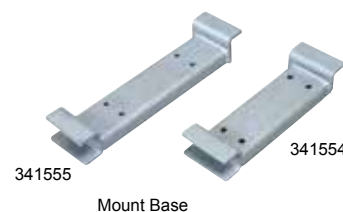
For Stainless Steel Pipe Portable Groover S



Precise grooving with special rollers

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

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



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

Optional Accessories

Code No.	Model
341551	Roller set 1" (Sch. 10 - 40)
341552	Roller set 1¼"-1½" (Sch. 10 - 40)
341554	Mount Base R1 REX 50A Machine
341555	Mount Base R2 REX 80A Machine
341559	Mount Base R3 REX 100A Machine
341556	Mount Base E1 #300
341557	Mount Base E2 #300 Compact

CORDLESS FLARE

RF20S

1/4" - 3/4"

Attractive new lightweight design! Ease of use greatly improved!



Air-conditioning tubing work

RF20S
424936

Standard Accessories



Carrying Case

Recharger
for Li-ion battery
(10.8 V)

Space for
Spare Battery
and/or Cutter**,
Scraper**,
Spanner (2.5mm)

Clamps
with Liner

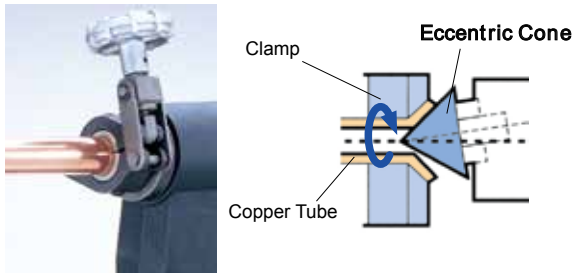
- 1/4"
- 3/8"
- 1/2"
- 5/8" *
- 3/4"

RF20S
with Battery
424936

Power cord

* Depends on specification
** Option

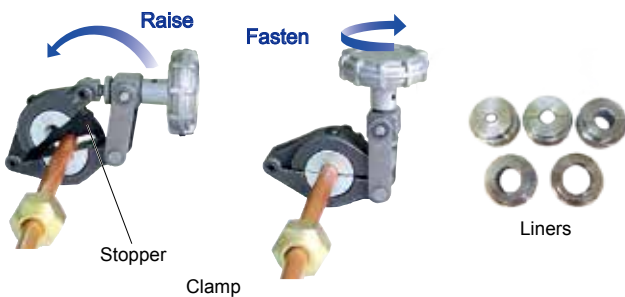
Eccentric Cone



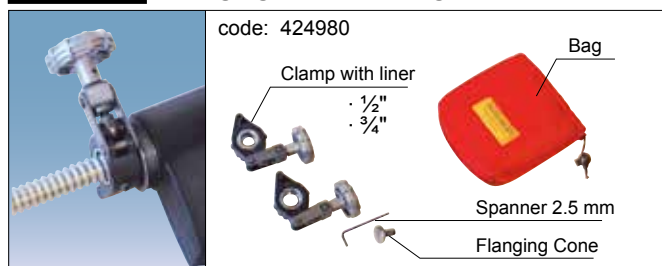
The eccentric cone moves forward with a rotary motion to gradually push and expand the inner diameter of the copper tube. The forward movement of the cone is then stopped by the clutch, which activates at a predetermined pressure. The flared surface of the copper tube is given a clean finish by the cone's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

One-Action Mechanism

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



Option Flanging tool set changes RF20S to RT20S



code: 424980

Clamp with liner
• 1/2"
• 3/4"



Spanner 2.5 mm

Flanging Cone

Specifications

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

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

Optional Accessories

Code No.	Model
424982	10.8 V Li-ion Battery
424961	Lithium-ion recharger AC 100-240V A-plug
424981	Lithium-ion recharger AC 100-240V C-plug
424950	Clamp without Liner for RF20S
424850	Liner 1/4" (6.35 mm)
424852	Liner 3/8" (9.52 mm)
424853	Liner 1/2" (12.70 mm)
424854	Liner 5/8" (15.88 mm)
424855	Liner 3/4" (19.05 mm)
424980	Flanging Tool Set
471991	Scraper
471992	Blade for Scraper 10 pcs Set
424954	9.6V NiCd Battery for RF20N (Old Model)
424956	Recharger 100V for 9.6V NiCd Battery (for RF20N)
424960	Recharger 220-230V for 9.6V NiCd Battery (for RF20N)

Battery Specifications

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

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

Recharger Specifications

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

Code No.	Battery Type	Input Power Supply	Weight (g)
424981	Li-ion Battery 10.8 V	AC220 V (50/60 Hz) 60 VA	335

CORDLESS FLANGE / REAMERS

RT20S

1/2" - 3/4"

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



Carrying Case

RT20S
424977

Specifications

Applicable tube : M -13 (1/2") (16.8 mm), M -15 (3/4") (20.0 mm)
 Number of flanges : 2 or 3 ridges
 Time for flanging : About 5 seconds
 Flanging method : Revolving eccentric cone under stable pressure
 Revolution speed : 280 rpm
 Motor : DC motor
 Battery : 10.8 V Li-ion (424982)
 Standard accessories : Recharger (424981), Clamps with Liner (1/2", 3/4"),
 Spanner (2.5 mm), Carrying Case

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

Optional Accessories

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

STAINLESS FLEXIBLE TUBE

M-13, M-15

Made of stainless steel SUS316L: strong and corrosion resistant.



Nut & Gasket

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

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

FLEXIBLE TUBE CUTTER

8A - 32A



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

Click 25
1703F5

Stripper
1702FS

- 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.
- The body is light and smooth textured, made of aluminium die-cast.
- Spare blade included as standard.

Code No.	Model	Applicable sizes (A)	Weight (g)
1703F2	Flexible Tube Cutter	20	8 - 20
1703F3		25	8 - 25
1703F4		32	25 - 32
1703F5	CLICK 25	8 - 25	340
424200	Cutter Wheel for 1703F2	8 - 20	23
1703F7	Cutter Wheel for 1703F3/4/5	8 - 25, 25 - 32	30
1702FS	Stripper	8 - 32	80
170205	Blade for Stripper	8 - 32	5

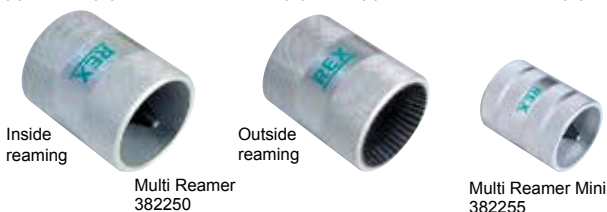
MULTI REAMER

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.



Inside reaming

Outside reaming

Multi Reamer
382250

Multi Reamer Mini
382255

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

G-LINE SCOPE 3030

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

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

Special Features

- Wide angle lens provides a 160° field of view (96° under water).
- Automatic horizontal adjustment function keeps the top of the picture the right way up.
- Built-in recording function
Records video or still pictures on SD and SDHS cards.
- Light control
Automatically selects exposure time according to brightness of the subject to produce the most suitable picture image.
- White balance
Automatically adjusts white balance according to the subject's white area
- Displays length of cable extended (can be confirmed on the monitor)
- Can move through two 90° elbows (greater than $\Phi 40\text{mm}$).
(Depending on conditions inside pipe.)
- Camera head is waterproof up to a depth of 30m.
- Low-energy, long-life, super-bright LEDs
- Optional special lithium-ion Battery allows normal operation where no power source is available.

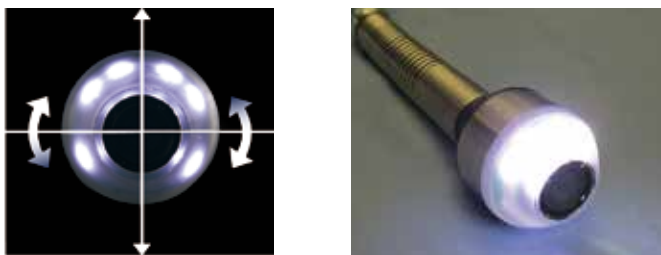


GLS3030
440390

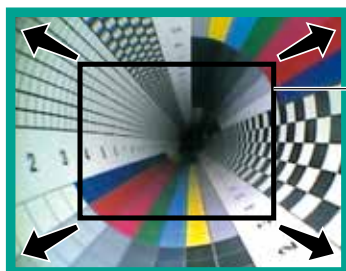


Lithium-ion battery installed

Automatic horizontal adjustment function keeps the lights in position



Automatic horizontal adjustment function always keeps the best balance between the position of the LEDs and their brightness.



View with conventional model

Angle of view 160° GLS3030

GLS3030

Code number	440390	
Product / Model	G Line Scope 3030 / GLS3030	
Dimensions	350(W) × 432(D) × 153(H)mm	
Weight	6 kg	
Power supply	AC100-240V 50/60Hz(with the AC adapter)	
Current consumption	0.5A(with the AC adapter)	
Operating temperature	0° - 40° C	
Camera Head	Size; Applicable pipe diameter	$\Phi 30$ / $\Phi 32$ - $\Phi 110$
	Flexibility	Capable of passing through two 90° elbows ($\Phi 40\text{mm}$ -)*
	Waterproofing	Waterproof structure conforms to JIS-IP68 Depth 30m
Camera Cable	Waterproofing	Depth 30m
	Illumination	White LEDs (6)
Camera Cable	Diameter / Length	$\Phi 6.6$ / 30m (usable length 28m)
	Minimum bend radius	R100 (at normal temperatures)
Lens	Focal length	F2.8 f = 2mm (Focal range 10mm - ∞)
	Angle of view	In water: Approx. 96° In air: Approx. 160°
Camera	TV System	Conforms to NTSC
	Imaging device	300,000 pixels C-MOS Colour sensor
Monitor	Distance display	In units of 0.1m
	LCD Monitor	5.7" TFT LCD colour monitor
Data storage format	Still picture format: JPEG Video: H.264 Hi Profile	
Data storage medium	SD(1GB/2GB)/SDHC(4-32GB)	
Standard Accessories	SD Card (4GB) Focus adjustment tool Carrying case, AC adapter	

Note: Changes in specifications may be made without prior notification.



Menu Key provides improved operation



5.7" TFT LCD



Folding Monitor and Cover

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

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



Reporting, data management



Example Recording Times

		Full size 720×480				
Picture Resolution	SD CARD		SDHC CARD			
	1GB	2GB	4GB	8GB	16GB	32GB
High resolution	26min	52min	1hr 46min	3hr 33min	7hr 11min	14hr 22min
Standard	44min	1hr 28min	2hr 57min	5hr 55min	11hr 58min	23hr 50min
Low resolution	1hr 28min	2hr 57min	3hr 55min	11hr 51min	23hr 44min	47hr 29min

		Small size 360×240				
Picture Resolution	SD CARD		SDHC CARD			
	1GB	2GB	4GB	8GB	16GB	32GB
High resolution	1hr 28min	2hr 57min	5hr 55min	11hr 51min	23hr 42min	47hr 25min
Standard	2hr 21min	4hr 42min	9hr 25min	18hr 51min	37hr 42min	75hr 24min
Low resolution	5hr 1min	10hr 5min	20hr 10min	40hr 20min	80hr 41min	161hr 23min

Option



Lithium-ion Battery
424982



Lithium-ion Recharger
AC 100-240V
424981

G Line Scope 3030 Option

	Code number	Voltage	mAh Capacity	Number of charges and discharges	Charging time	(LxWxH)mm Dimensions	Weight(g)
Lithium-ion Battery	424982	10.8	1,500	500	-	60 × 53 × 85	185
Lithium-ion Recharger AC 100-120V	424961	-	-	-	60	115 × 109 × 85	420
Lithium-ion Recharger AC 220-240V	424981	-	-	-	60	115 × 109 × 85	420
Carrying Case	440395				-		

G-Line Scope 2820

Built-in ϕ 28 camera head. Super-clear images!

Special Features

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

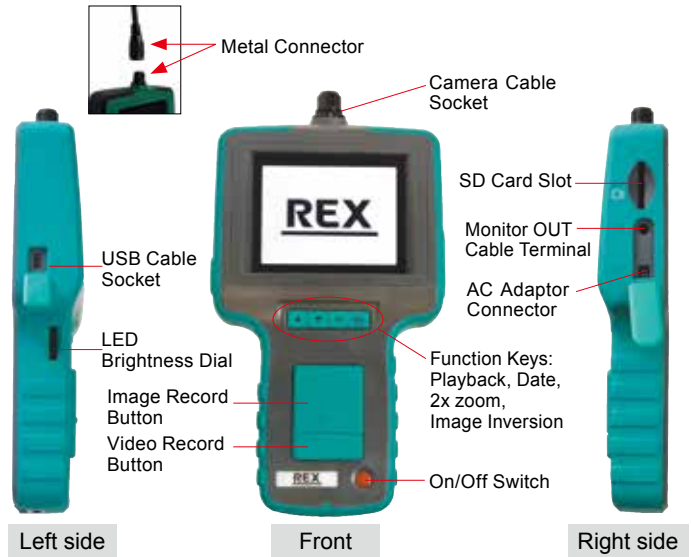


GLS2820
440316

GLS2820

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

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



Monitor



Monitor

Code No.	Model
440311	Monitor for GLS2820/2220

Standard Accessories: AC Adaptor, SD Card (4GB), Video Cable, USB Cable



Option

Code No.	Model
440317	GLS2820 Cable Set (20m)
440312	GLS2220 Cable Set (20m)
440313	GLS2820/2220 Cable Drum
440314	GLS2820/2220 Carrying Case
440315	GLS2820/2220 Carrying Case for Monitor
440371	GLS2820/2220 Skid 75

Highly accurate examination - even of small flaws

Special Features

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



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

Monitor



Monitor

Code No.	Model
440311	Monitor for GLS2820/2220

Standard Accessories: AC Adaptor, SD Card (4GB), Video Cable, USB Cable

Cable



Flexi-tip Cable

Soft-Metal Cable

Semi-rigid Cable

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

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

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

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

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

Code No.	Model	Picture direction	Outside diameter	Cable length
440337	Φ3.9 Semi-rigid Cable FV1M	FV Front	3.9mm	1m
440339	Φ3.9 Semi-rigid Cable FV3M			3m
440340	Φ3.9 Semi-rigid Cable SV1M	SV Side	3.9mm	1m
440342	Φ3.9 Semi-rigid Cable SV3M	3m		
440346	Φ4.9 Semi-rigid Cable FW1M	FW Front, Side	4.9mm	1m
440331	Φ5.5 Semi-rigid Cable FV1M	FV Front	5.5mm	1m
440332	Φ5.5 Semi-rigid Cable FV2M			2m
440333	Φ5.5 Semi-rigid Cable FV3M			3m
440346	Φ4.9 Semi-rigid Cable SW1M	SW Front, Side	4.9mm	1m
440386	Φ4.9 Semi-rigid Cable SW2M			2m



Soft Carrying Case

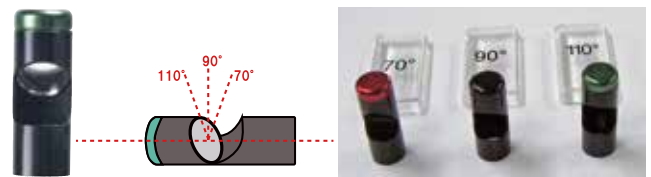


AC Adapter

Soft case and adapter

Code No.	Model
440376	Soft Case for Monitor
440377	AC Adapter

Cable options



Side Mirrors attach to the tip for lateral view. Angles: 70°, 90°, 110°
Attaching Side Mirrors increases diameter of the camera by approx. 1mm.

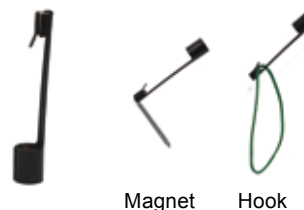
Φ5.5 Side mirror

Code No.	Model
440347	Φ5.5 Side Mirror/70°
440348	Φ5.5 Side Mirror/90°
440349	Φ5.5 Side Mirror/110°

Aluminium Ball



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



Magnet

Hook

Hook & Magnet

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

Φ5.5 Aluminium ball, hook, magnet

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



Actual example

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



Tube sleeve

Code No.	Model
440375	6.0MM Cable Sleeve

High-pressure washer. Connects directly to the mains

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

Designed for 100V Amazing power!

WASHKING RZ2

For sale in Japan only

100 V

Flow rate

5.5 L/min

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

Special Features

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



RZ2
440061

Performance and Equipment

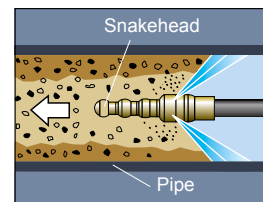
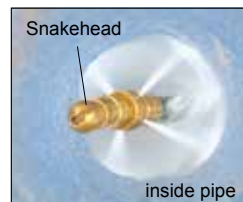
Power : 100V 1350W Series Motor
 Dimensions (mm) : L333 × W256 × H800
 Standard Accessories : Gun, Lance, High-pressure hose, In-take hose, In-take coupler, Hose band, Nozzle cleaner

Code No.	Model	Frequency (Hz)	Pump Flow Pressure (MPa)	Flow rate (L/min)	Weight (kg)
440061	RZ2	50/60	7.3	5.5	7.9

Optional Accessories

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

Optional Snakehead Cleaning Kits are designed for cleaning drains.



Automatic water-intake engine High-pressure washer

For sale in Japan only

Engine type

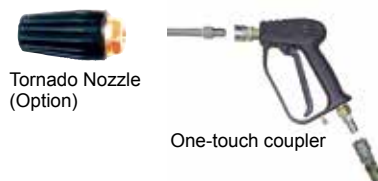
Flow rate

10.5 - 12 L/min

Light weight. Perfect for when working alone

Special features

- High-pressure hose or gun easily attach to the main unit with one-touch coupler.
- FA Nozzle for adjustment of water spray fitted as standard.
- With an output flow pressure of 16MPa, it only weighs 30kg (JA160G-f).
- For forestry industry: Use the optional Tornado nozzle to tear off bark of trees. (JA160G-f).



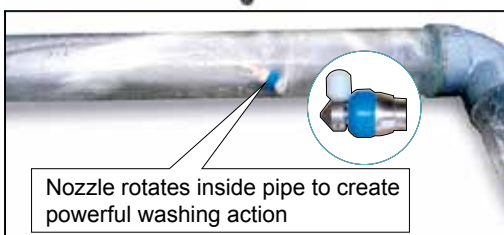
FA Nozzle



JA160G-f
440156



JQ820GN-R
440161



Nozzle rotates inside pipe to create powerful washing action

Code No.	440156	440161
Model	JA160G-f	JQ820GN-R
Pump Flow pressure (Mpa)	16	8
Flow rate (L/min)	12	20
Pipe cleaning capacity	-Φ150	-Φ200
Weight (kg)	28	24
Dimensions (L×W×H)mm	650 × 440 × 695	470 × 360 × 470
Rated output (Ps)	4.7	4.0
Tank capacity (L)	3.6	3.0
Continuous operation	Approx. 2.4 hrs	Approx. 3 hrs
Standard accessories	Gun, Hose 9M × 10m, Strainer suction hose 3m, Recycling hose 3m	Hose 9M × 10m with Coupler, Suction/recycling hose (3/4 × 12) × 3m, Gun and Lance LC-7, F/VB nozzle

Mini-Ozone Generator for Cleaning Coolants

Removes foul smells from water-soluble cutting oil and prolongs coolant life!

985S

Code No	Model	Rate of discharge		Flow rate (L/min)	Power supply	Power consumption	Dimensions (LxWxH) mm	Weight (kg)
		High	Low					
405220	ROZMC-985S	60	20	10	AC100V 50/60Hz	19/18	155 × 201 × 260	3.2

Special Features

- Reduces degradation of water-soluble cutting oil.
- Can be used with tanks from 200 to 900 litres in size.
- Only running cost is electricity - no chemicals used.
- Setting up is easy - just place the diffuser horizontally in the tank.

Effect of degraded cutting oil

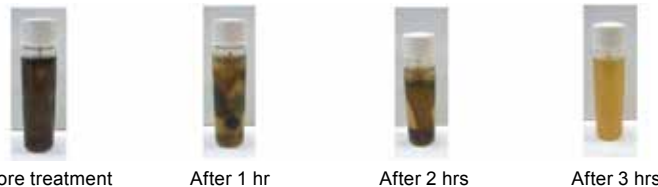
Degraded water-soluble cutting oil affects all aspects of performance.

1. Reduced lubrication results in reduced precision and tool life.
2. Increased odours create an unpleasant working environment.
3. Mould starts to proliferate resulting in the production of slime which, in turn, blocks nozzles and pipes

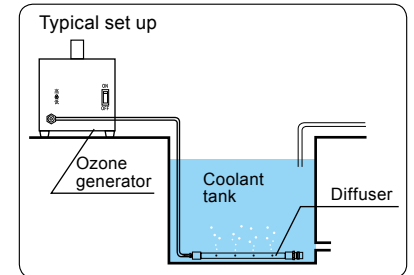
MC Ozoniser test results

Cutting oil from a tank was aerated with ozone gas. Pictures show the change in sulphidogenic bacteria that are the cause of foul odours.

Note: The lighter the colour the greater the reduction in contamination



Note: Depending on the type of cutting oil, it is possible that there may be no apparent effect and that the oil itself may be affected. Discontinue immediately in such cases.



Various specifications available (built to order)

- Large 1000L tank
 - Concentrated coolant tank
 - Central control for multiple units
 - Timer control etc.
- (Contact REX or your local dealer for a quote)

Micro air-bubble generation equipment

Disinfects, deodorises ponds, swimming pools and waste water treatment systems etc. and supplements oxygen levels

Micro-Bubbler, Tornado Nozzle

Micro-Bubbler

Produces large quantities of minute air bubbles (micro-bubbles) in liquids. Generates large volumes of micro bubbles and solves a variety of problems that arise when generating bubbles using diffusion tubes or a nozzle.

Model	ROZMB-150	ROZMB-400	ROZMB-750
Volume of air supply L/mm	0.5 - 2.0	1 - 4	1 - 7

Micro-Bubbler + Ozone Generator + [Oxygen Generator]*

*Oxygen generators are needed according to the amount of ozone required.

Volumes of air consumed are guidelines for mains water.

Tornado Nozzle

Connects to the tip of the water circulation pump, etc. and generates micro-bubbles in a current of water. Made of resin, can even be used in sea water without problem. (Stainless steel model also available.)

Tornado Nozzle + Water Circulation Pump + Ozone Generator + [Oxygen Generator]*

*Requires oxygen generator depending on the volume of ozone needed. (Pumps with a capacity of 35 to 50L/min, should be self-sufficient in oxygen.)

Micro-Bubbler + Ozone Generator + Tornado Nozzle + Oxygen Generator

Micro-bubble generators do not work without being combined with an ozone or oxygen generator. Ask for details.



Oxygen Generator PSA

Extracts and concentrates oxygen from the surrounding air.

Can be used for a wide variety of purposes from producing oxygen for use in ozone generators to promoting growth, efficiency and improvement in levels of dissolved oxygen in the aquaculture industry, in the plant and bio-related fields, as well as various uses in factories.

RO2-6PSA Oxygen Generator Specifications

Oxygen concentration	Greater than 90%	Flow rate	Max. 6 L/min
Power supply	100V (50/60Hz)	Operating temperature	10.35°C 10.85%RH
Weight	Approx. 36kg	Power consumption	Approx. 420/480VA
Rate of discharge	0.1±0.01MPa	Size (mm)	W360 × H650 × D430
Other features	Alarms for abnormalities in power supply, pressure, oxygen concentration Built-in bacteria filter		

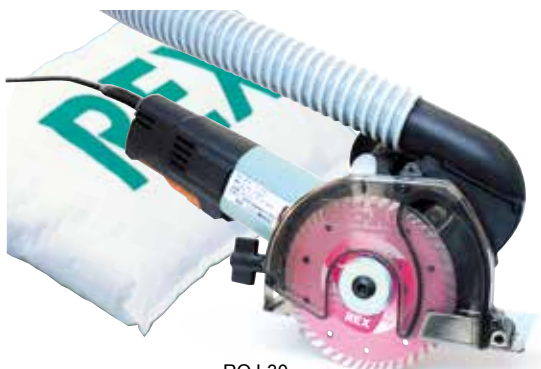


DIAMOND TOOLS

Dust Suction Diamond Cutter Series DUST MASTER RQJ-30

For sale in Japan only

5" (Φ128)



RQJ-30
460505

Sucks up the dust - perfect for working indoors.

- Lets you work in a more comfortable and efficient environment.
- Dust is sucked up by the rotation of the motor, preventing it from escaping into the air.
- Advanced operating method - all models cut in a forward direction; you just push the cutter forward - it's straight and simple!
- The cutters are supplied with one Blade Master "HANA".
- These blades can be used on third party cutters but, as you will see for yourself, are best used with the "DUST MASTER".



Dust Collection Performance



Ordinary Concrete Cutter



DUST MASTER

Road Cutter Series ROAD MASTER 305R / 355R

For sale in Japan only

12" / 14"

New concepts in Safety, Ease of Operation and Workability.

Use for: Cutting asphalt and concrete



305R / RDM12R
460603



355R / RDM14R
460610

Engine specifications

Model	Robin EX17	Robin EX27
Gross displacement (ml)	169	265
Maximum output power	4.2 kw (5.5 ps) /4000 rpm	6.6 kw (9.0 ps) /4000 rpm
Fuel	Unleaded gasoline (for automobiles)	Unleaded gasoline (for automobiles)
Fuel tank capacity (l)	3.6	3.6
Starter	Recoil	Recoil

Code No.	460603	460610
Model	RDM12R / Road master 305R	RDM14R / Road master 355R
Size (W×D×H) mm	866 x 473 x 858	1038 x 520 x 892
Blades /Hole diameter	10" (254 mm) / 27 mm 12" (305 mm) / 27 mm	10" (254 mm) / 27 mm 12" (305 mm) / 27 mm 14" (355 mm) / 27 mm
Maximum cutting depth	100 mm with 12" blade	120 mm with 14" blade
Cutting depth adjustment	Gas spring with hydraulic locking function	Gas spring with hydraulic locking function
Blade coolant	Gravity spray watering	Gravity spray watering
Tank capacity (l)	16	16
Weight (kg)	57	72

Electric pipe and tube bender REB32

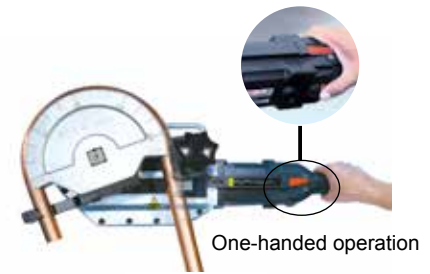
For sale in Japan only

7/8" - 1 1/4"



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

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



REB32
424130

Tripod stand

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

TORCH-AN

For sale in Japan only



Flame temperature: 1600°C
424501



Flame temperature: 1500°C
424510



Gas Cartridge
424506



Gas Cartridge (for cold weather regions)
424505



Adjustable flame



Adjustable air volume

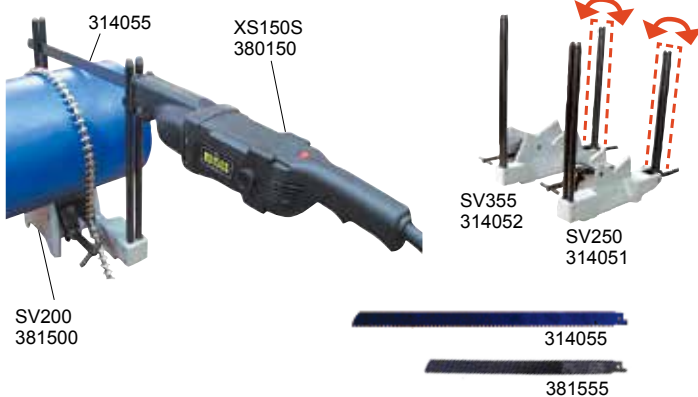


Can be used in inverted position

PLASTIC PIPE TOOLS

Plastic Pipe Cutter Hyper Saw XS150S / Cutter Guide

Double insulation **89 mm - 355 mm**

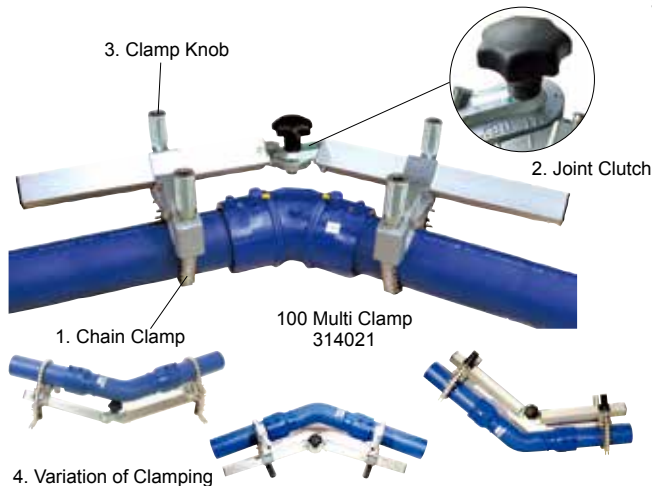
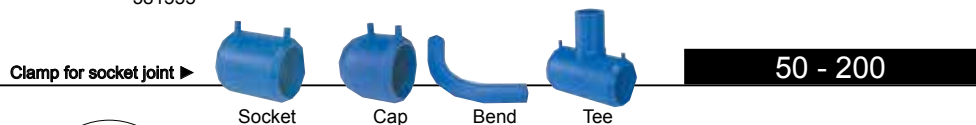


Code No.	Model	Applicable pipe (mm)	Weight (kg)
380150	Hyper Saw XS150S	89 - 216	3.9
381500	Plastic Pipe Cutter Guide SV200		5.0
314051	Plastic Pipe Cutter Guide SV250	89 - 250	7.0
314052	Plastic Pipe Cutter Guide SV355	89 - 355	8.5

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



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

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

SHUT-OFF TOOL 50, 75, 100

For sale in Japan only

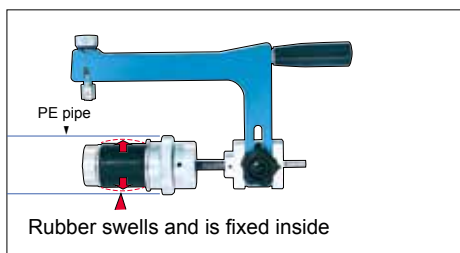
25 - 100



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

SOCKET SCRAPER 100 USS100W for Water Mains

50 - 100

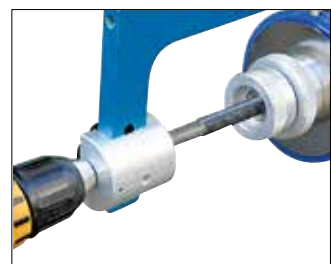


Easy, precise scraping

- Scrapes plastic pipe end for socket joints.
- The rubber swells and is fixed tightly inside the pipe.
- The built-in spring allows the blade to move smoothly around the pipe.



Easily operated by hand



Used with a power drill

Code No.	Model	Applicable Size (Nominal)
314105	USS100W	50 - 100

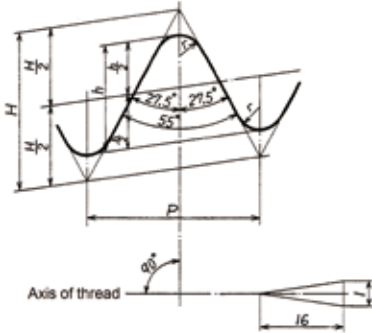
Taper Pipe Thread JIS B 0203:1999* (BSPT)

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

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

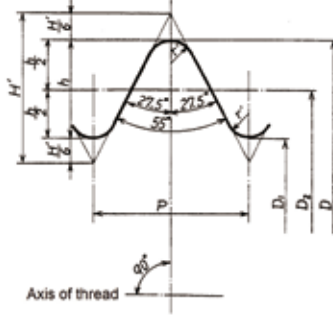
$$P = \frac{25.4}{n}$$

$$H = 0.960\ 237\ P$$

$$h = 0.640\ 327\ P$$

$$r = 0.137\ 278\ P$$

Basic profile applied for parallel internal threads



Thick solid line shows the basic thread profile

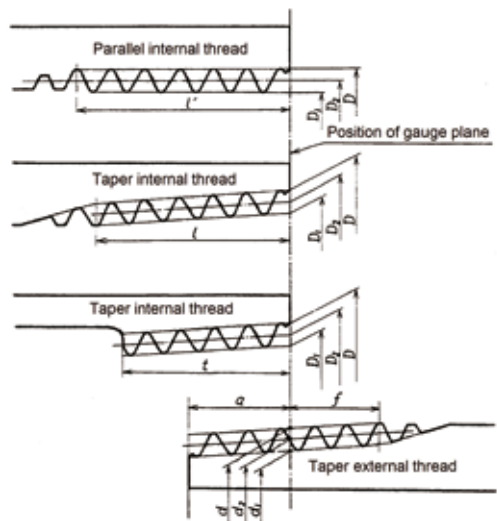
$$P = \frac{25.4}{n}$$

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

$$h = 0.640\ 327\ P$$

$$r = 0.137\ 329\ P$$

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

Notes ⁽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.


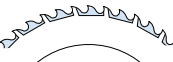

Type	Blade	Appropriate REX Products	Steel Pipe	Stainless Steel Pipe
Band saw cutting machine	 Band saw	Mantis 125/120A/180WS/180WA/270A	OK	OK
Circular saw cutting machine	 Circular saw	Carbide cutter TC-20 -150	OK	✗
Pipe cutter	 Cutter wheel	Cutter on pipe machine (standard equipment)	OK	OK*

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)

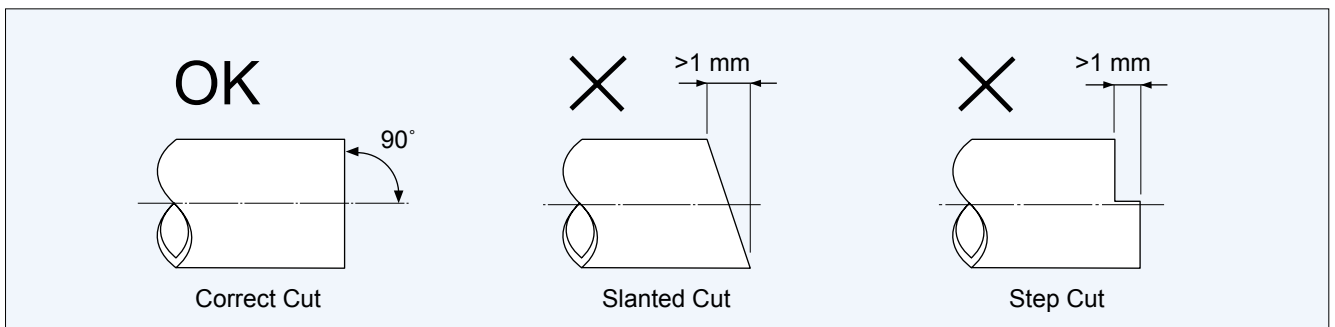


Fig. 1 Acceptable and unacceptable pipe ends

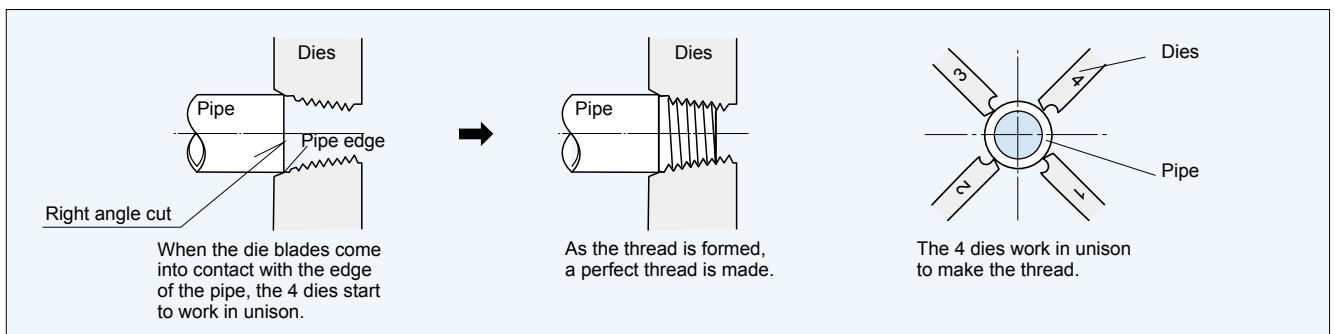


Fig. 2 Principle of cutting threads with a set of dies

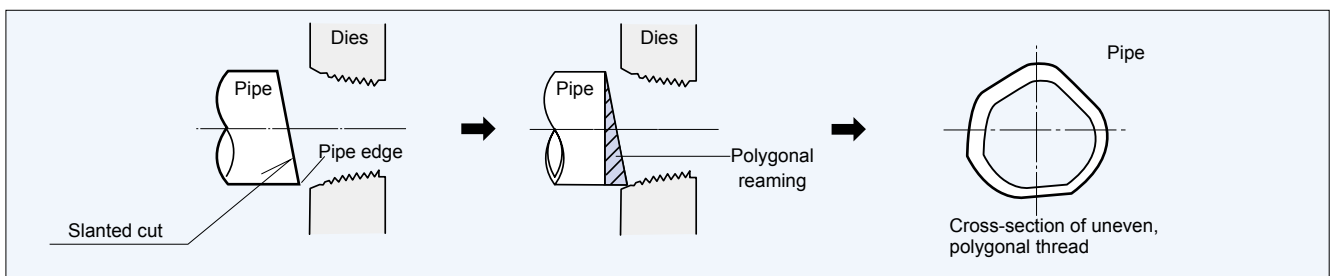


Fig. 3 Principle of polygonal threads

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-R	×	OK	×

Table 2. Appropriate cutting oil

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

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

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

3) Amount of cutting oil

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

Inspecting the Thread

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

Inspection with a tapered thread ring gauge

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

a: standard distance from pipe edge

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

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

Gauge: see page 32.

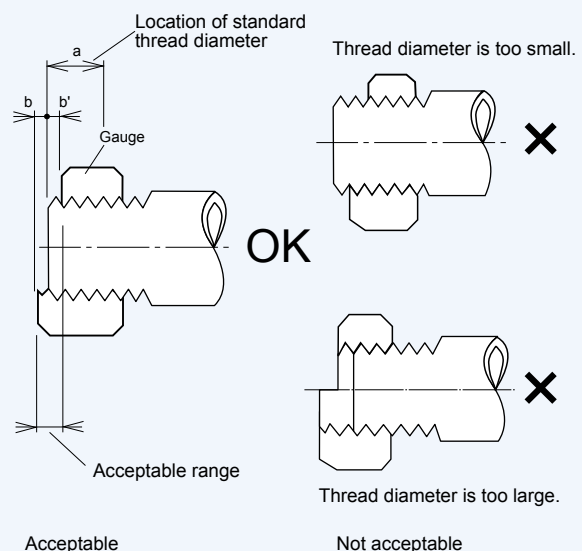


Fig. 4 Inspecting the Thread

Technical Information

Steel pipes:

Carbon steel pipes for ordinary piping : SGP

Carbon steel pipes for pressure service : STPG

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

Stainless steel pipes (JIS G3459)

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

Rigid steel conduit (JIS C8305)

Thicker conduit

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

Thinner conduit

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

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

*Thread PF: former JIS B 0202

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

Light gauge stainless tube for ordinary piping (JIS G3448)

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

Stainless steel sanitary pipes (JIS G3447)

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

Copper tube for construction piping (JIS H3300)

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

Copper tube for refrigerant piping (JIS H3300)

Nominal size	Outside diameter (mm)	Thickness (mm)
1/4"	6.35	0.8
3/8"	9.52	0.8
1/2"	12.70	0.8
3/4"	15.88	1.0
1"	19.05	1.0
1 1/4"	22.22	1.0
1 1/2"	25.40	1.0
1 3/4"	28.58	1.0
2"	31.75	1.1
2 1/4"	34.92	1.1
2 1/2"	38.10	1.15
2 3/4"	41.28	1.2
3"	44.45	1.25
3 1/2"	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	⅝"	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		
6	½"	10.3	0.405	-	-	1.24	0.049	1.73	0.068	2.41	0.095
8	¾"	13.7	0.540	-	-	1.65	0.065	2.24	0.088	3.02	0.119
10	⅝"	17.1	0.675	-	-	1.65	0.065	2.31	0.091	3.20	0.126
15	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	1¼"	42.2	1.660	1.65	0.065	2.77	0.109	3.56	0.140	4.85	0.191
40	1½"	48.3	1.900	1.65	0.065	2.77	0.109	3.68	0.145	5.08	0.200
50	2"	60.3	2.375	1.65	0.065	2.77	0.109	3.91	0.154	5.54	0.218
65	2½"	73.0	2.875	2.11	0.083	3.05	0.120	5.16	0.203	7.01	0.276
80	3"	88.9	3.500	2.11	0.083	3.05	0.120	5.49	0.216	7.62	0.300
90	3½"	101.6	4.000	2.11	0.083	3.05	0.120	5.74	0.226	8.08	0.318
100	4"	114.3	4.500	2.11	0.083	3.05	0.120	6.02	0.237	8.56	0.337
125	5"	141.3	5.563	2.77	0.109	3.40	0.134	6.55	0.258	9.53	0.375
150	6"	168.3	6.625	2.77	0.109	3.40	0.134	7.11	0.280	10.97	0.432
200	8"	219.1	8.625	2.77	0.109	3.76	0.148	8.18	0.322	12.70	0.500
250	10"	273.1	10.750	3.40	0.134	4.19	0.165	9.27	0.365	12.70	0.500
300	12"	323.9	12.750	3.96	0.156	4.57	0.180	9.53	0.375	12.70	0.500
350	14"	355.6	14.000	3.96	0.156	4.78	0.188	-	-	-	-
400	16"	406.4	16.000	4.19	0.165	4.78	0.188	-	-	-	-
450	18"	457.2	18.000	4.19	0.165	4.78	0.188	-	-	-	-
500	20"	508.0	20.000	4.78	0.188	5.54	0.218	-	-	-	-
550	22"	559.0	22.000	4.78	0.188	5.54	0.218	-	-	-	-
600	24"	610.0	24.000	5.54	0.218	6.35	0.250	-	-	-	-

 : Size differs from steel pipe

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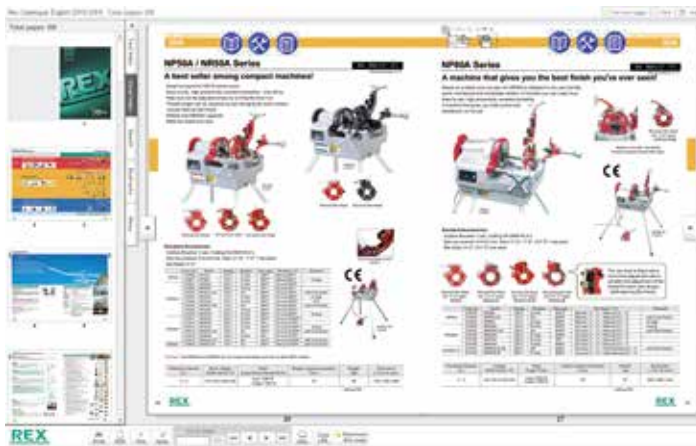
Code No.	Model	Page	Code No.	Model	Page	Code No.	Model	Page	Code No.	Model	Page
1101D2	112R	40	130500	CM 50	15	161907	Dies ½-¾ BSPT	36	167505	Dies ½ UNC	36
1101D4	114R	40	131500	CM 50RB	15	161910	Dies 1-1½ BSPT	36	167506	Dies ¾ UNC	36
1102R3	2R3	40	135070	Cutter Wheel NS25	32	161930	Dies 1½-2 BSPT	36	167507	Dies ¾ UNC	36
1102R4	2R4	40	135071	C. Wheel NS25 SUS	32	161950	Dies 2¼-3 BSPT	36	167508	Dies ¾ UNC	36
1102RE	2RC	40	135076	Cutter Wheel	32	162083	Dies ¾-¾ BSPP	36	167509	Dies 1 UNC	36
112011	DH 12R ¼ NPT	41	135077	Cutter Wheel SUS	32	162084	Dies 2½-3 BSPP	36	167510	Dies 1½ UNC	36
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112013	DH 12R ¾ NPT	41	13MP10	Blade Cutter N100A	29	162330	Dies 1-2 20mm NPT	37	167530	Dies 2 UNC	36
112014	DH 12R 1 NPT	41	13MP15	Blade Cutter 150A	31	162360	Dies 2¼-4 NPT	37	167702	Dies M8	36
112015	DH 12R ¾ NPT	41	13P105	Cutter Wheel C1/C2	15	162370	Dies 5-6 150A NPT	36, 37	167703	Dies M10	36
112016	DH 12R 1 NPT	41	13P305	Cutter Wheel C3	15	162460	Dies 2¼-4 BSPT	36, 37	167705	Dies M12	36
112017	DH 12R 1½ NPT	41	13P405	Cutter Wheel C4	15	162470	Dies 5-6 150A BSPT	37	167706	Dies M14-16	36
112018	DH 12R 1½ NPT	41	13P605	Cutter Wheel No.2	15	162650	Dies 2¼-3½GV	37	167707	Dies M18-22	36
112019	DH 12R 2 NPT	41	13P670	Cutter Wheel No.10	15	162660	Dies 4 GV	36, 37	167709	Dies M24-27	36
112021	DH 12R ¾ BSPT	41	13P700	Cutter Wheel CM40	15	162670	Dies 5-6 150A GV	37	16770A	Dies M30-33	36
112022	DH 12R ¼ BSPT	41	13P710	Cutter Wheel CM 50	15	162760	Dies 2¼-4 30° BEV	36, 37	16770B	Dies M36-39	36
112023	DH 12R ¾ BSPT	41	13P730	Cutter Wheel CM 50RB	15	162770	Dies 5-6 30° 150A BEV	37	16770C	Dies M42-45	36
112024	DH 12R ½ BSPT	41	150003	112R Dies ¼-¾"	40	162860	Dies 2¼-4 37.5° BEV	36, 37	16770D	Dies M48-52	36
112025	DH 12R ¾ BSPT	41	150007	112R Dies ½-¾"	40	162862	Dies 2¼-4 45° BEV	36, 37	16770E	Dies M20 P1.5	36
112026	DH 12R 1 BSPT	41	150010	112R Dies 1-1½"	40	162870	Dies 5-6 37.5° 150A BEV	37	16770F	Dies M25 P1.5	36
112027	DH 12R 1½ BSPT	41	151007	114R Dies ½-¾"	40	162872	Dies 5-6 45° 150A BEV	37	16770G	Dies M32 P1.5	36
112028	DH 12R 1½ BSPT	41	151010	114R Dies 1-1½"	40	163160	Dies PF92-104 BSPT 38mm	36	167710	Dies M20 P1.5 NS25	36, 37
112029	DH 12R 2 BSPT	41	151030	114R Dies 1½-2"	40	166003	Dies ¾-¾ HSS BSPT	36	167722	Dies M8 HSS	36
112041	12R NPT ½-2"	41	154001	2RG Dies ¼"	40	166007	Dies ¾-¾ HSS BSPT	36	167723	Dies M10 HSS	36
112042	12R NPT ½-2"	41	154003	2RG Dies ¾"	40	166010	Dies 1-1½ HSS BSPT	36	167725	Dies M12 HSS	36
112043	12R NPT 1¼-2"	41	154005	2RG Dies ½"	40	166025	Dies 1 NS25 HSS BSPT	37	167726	Dies M14-16 HSS	36
112045	12R NPT ½-1¼"	41	154007	2RG Dies ¾"	40	166030	Dies 1½-2 HSS BSPT	36	167727	Dies M18-22 HSS	36
112051	12R BSPT ¾-2"	41	154009	2RG Dies 1"	40	166050	Dies 2½-3 HSS BSPT	36	167729	Dies M24-27 HSS	36
112052	12R BSPT ½-2"	41	154010	2RG Dies 1¼"	40	166292	Dies ¾-¾ NS25 HSS NPT	37	16772A	Dies M30-33 HSS	36
112053	12R BSPT 1¼-2"	41	154207	2RC Dies C19	40	166294	Dies ¾-¾ NS25 HSS NPT	37	16772B	Dies M36-39 HSS	36
112055	12R BSPT ½-1¼"	41	154209	2RC Dies C25	40	166296	Dies 1 NS25 HSS NPT	37	16772C	Dies M42-45 HSS	36
112101	Dies 12R ¼ NPT	41	154210	2RC Dies C31	40	166303	Dies ¾-¾ HSS NPT	36	16772D	Dies M48-52 HSS	36
112102	Dies 12R ½ NPT	41	154220	2RC Dies C39	40	166307	Dies ¾-¾ HSS NPT	36	16A350	Dies 2¼-3 20mm NPT	37
112103	Dies 12R ¾ NPT	41	160003	Dies ¼-¾ BSPT	36	166310	Dies 1-1½ HSS NPT	36	16A407	Dies ½-¾ 20mm BSPT	37
112104	Dies 12R ½ NPT	41	160025	Dies 1 NS25 BSPT	37	166330	Dies 1½-2 HSS NPT	36	16A430	Dies 1-2 20mm BSPT	37
112105	Dies 12R ¾ NPT	41	160030	Dies ¼-¾ NS25 HSS BSPT	37	166350	Dies 2¼-3 HSS NPT	36	16A450	Dies 2¼-3 20mm BSPT	37
112106	Dies 12R 1 NPT	41	160303	Dies ¾-¾ NPT	36	166351	Dies ¾-¾ SUS BSPT	36	16A501	Dies 2¼-3 BSPT	36
112107	Dies 12R 1½ NPT	41	160502	Dies W5/16	36	166352	Dies 1-1½ SUS BSPT	36	16A511	Dies 2¼-3 HSS BSPT SPDH	36
112108	Dies 12R 1½ NPT	41	160503	Dies W¾	36	166353	Dies 1½-2 SUS BSPT	36	16B030	Dies 1-2 NPT 38mm	36
112109	Dies 12R 2 NPT	41	160504	Dies W7/16	36	166354	Dies 2¼-3 SUS BSPT	36	16B430	Dies 1-2 BSPT 38mm	36
112111	Dies 12R ¾ NPSM	41	160505	Dies W½	36	166355	Dies ¾-¾ ARK BSPT	35	16B450	Dies 2¼-3 BSPT 38mm	36
112112	Dies 12R ¼ NPSM	41	160506	Dies W¾	36	166356	Dies 1-2 ARK BSPT	35	16C060	Dies 2¼-4 HSS BSPT	36, 37
112113	Dies 12R ¾ NPSM	41	160507	Dies W¾	36	166357	Dies 1-2 SUS BSPT	35	16C070	Dies 5-6 150A HSS BSPT	37
112114	Dies 12R ½ NPSM	41	160508	Dies W¾	36	166358	Dies 1-2 ARK BSPT	35	16C360	Dies 2¼-4 HSS NPT	37
112115	Dies 12R ¾ NPSM	41	160509	Dies W1	36	166360	Dies ¾-¾ ARK BSPT	35	16C370	Dies 5-6 150A HSS NPT	37
112116	Dies 12R 1 NPSM	41	160510	Dies W1¼	36	166720	Dies W¾ NS25	37	16D007	Dies ½-¾ 20mm HSS BSPT	37
112117	Dies 12R 1¼ NPSM	41	160521	Dies W5/16 HSS	36	166721	Dies W½ NS25	37	16D030	Dies 1-2 20mm HSS BSPT	37
112118	Dies 12R 1½ NPSM	41	160522	Dies W¾ HSS	36	166722	Dies W¾ NS25	37	16D050	Dies 2¼-3 20mm HSS BSPT	37
112119	Dies 12R 2 NPSM	41	160523	Dies W¾ HSS	36	166723	Dies W¾ NS25	37	16D307	Dies ½-¾ 20mm HSS NPT	37
112121	Dies 12R ¼ BSPT	41	160524	Dies W¾ HSS	36	166730	Dies W¾ NS25 HSS	37	16D330	Dies 1-2 20mm HSS NPT	37
112122	Dies 12R ½ BSPT	41	160525	Dies W¾ HSS	36	166731	Dies W¾ NS25 HSS	37	16D350	Dies 2¼-3 20mm HSS NPT	37
112123	Dies 12R ¾ BSPT	41	160526	Dies W¾ HSS	36	166732	Dies W¾ NS25 HSS	37	16E030	Dies 1-2 HSS BSPT 38mm	36
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475196	Cut-length Guide	11	7M10	Carbon Brush 80ADX 100V	33	GM10	Carbon Brush N40A	33	RH03	Plate	35
4751A1	XB180WA	10, 13	70RT	Chuck Jaw Insert	33	J079	Plate	37	S395	Saw Blade Support	17
4751A2	XB180WA (CE)	10	7744	Plate	37	J086	Plate	37	TYM2	Carbon Brush N25A	33
4751C1	XB 270A 220V	11	7747	Plate	37	J088	Plate	37			
4751S1	XB180WS	10, 12	9203	Plate	37	J102	Plate	37			
4751S2	XB180WS (CE)	10	9204	Plate	37	J605	Plate	37			
475200	Saw Blade XB180 8T Alloy	14	A0RS	Chuck Jaw Insert	33	KY22	Plate	37			
475201	Saw Blade XB180 10T Alloy	14	A0RT	Chuck Jaw Insert	33	KY26	Plate	37			
475202	Saw Blade XB180 14T Alloy	14	A712	Plate	37	KY30	Plate	37			
475203	Saw Blade XB180 18T Alloy	14	A731	Plate	37	L181	Plate	37			
475204	Saw Blade XB180 24T Alloy	14	E606	Plate	37	L182	Plate	37			
475210	Saw Blade XB180 10T HSS	14	E607	Plate	37	L187	Plate	37			
475211	Saw Blade XB180 14T HSS	10, 14	E609	Plate	37	L189	Plate	37			
475212	Saw Blade XB180 18T HSS	14	E610	Plate	37	L281	Plate	37			

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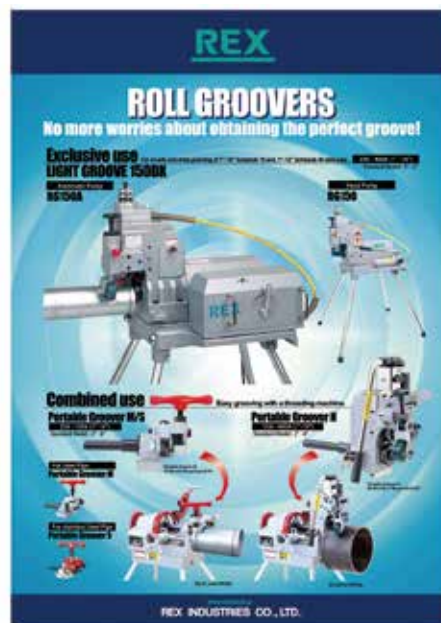
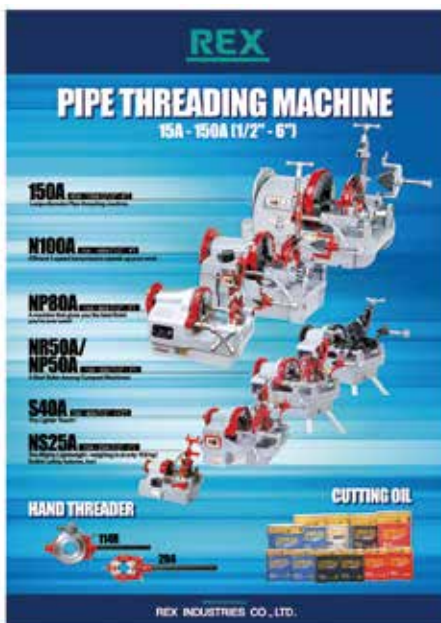
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REX PROFESSIONAL STAFF - bringing you innovative, technological breakthroughs.

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.



USA Job Skills Olympics

REX pipe threading machines were used in the finals of both the Sprinkler Competition and the Electrical Construction Work Competition at the US Job Skills Olympics.



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.



REX

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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.

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