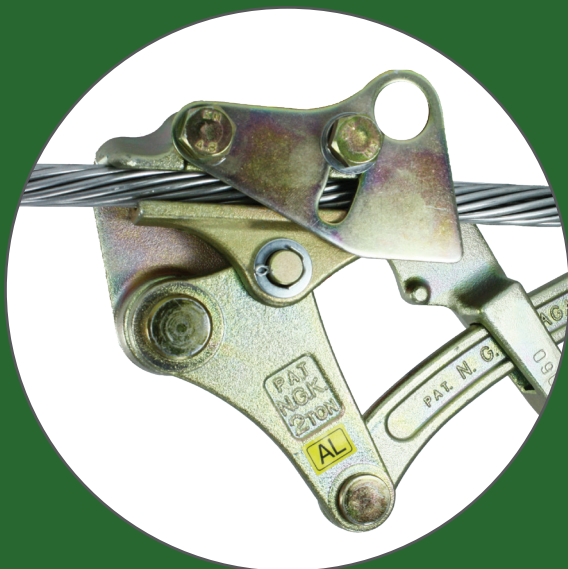


NAGAKI

EQUIPMENT CATALOGUE



GRIPPING
THE GLOBE
NAGAKI





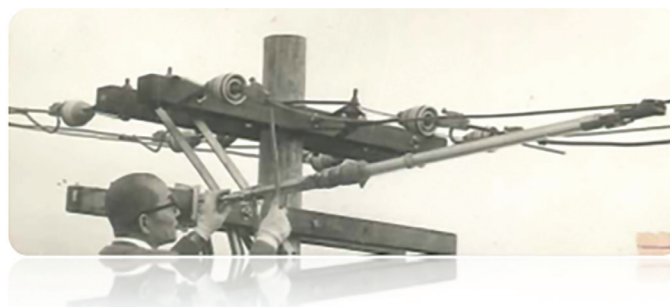
Quality Tools, Equipment & Line Materials for the Energy Industry.

NAGAKI

ABOUT NAGAKI - NGK



NAGAKI SEIKI CO. LTD was established in April 1946. Designated by Osaka Gas Co., they began to manufacture pipe cutters while simultaneously establishing the engineering section to improve the quality of tools as well as the design, research and trial manufacturing of various tools.



NAGAKI

Since 1946 We can do it!



The N.G.K. brand has been in use for over 70 years and has since gained trust as a leader in tool manufacturing globally. Nagaki Japan manufactures superior quality wire rope grips, ratchet pullers, ratchet wrenches and tension meters/ dynamometers under the N.G.K. brand.

These products are manufactured to the highest standards to suit a range of industry applications around the world.

'Our tools are enabling linemen to work with the 3S of Safety, Strength and Speed, to connect vital utilities such as power, rail and communication lines'



No.0558-ISO9001 No.E554-ISO14001

Hiroshima Office
Since 1979

Kyusyu Office & Factory
Since 1993

Rokkasho mura
35000m2 Factory
Since 1990

Sendai Office
Since 2007

Tokyo Office
Since 1973

Osaka Head Office & Factory
Since 1946

**TRUST ONLY
THE ORIGINAL**



GRIPPING THE GLOBE

NGK Tool Range

Wire Grips



Locking Grip



ABC Grip



NAGAKI's high-quality wire grips combine strength and durability. Light and compact, they are widely used in power, railway and telecommunication fields for pulling application on various wires and cables.

Ratchet Pullers



Web Strap Hoist



Chain Hoist



Wire Rope Hoist

NAGAKI's ratchet pullers are used for pulling application for distribution, transmission and train's electrical lines. It uses a ratcheting mechanism in order to reach high pulling loads during construction with minimum time and effort. There are wide range of models you can choose according to your needs.

Dynamometers



Annalog

Used together with wire grips and ratchet pullers, the NAGAKI Tension meters measures quickly the mechanical tension applied on the cable. This allows you to control the pulling load and safe stringing applications.

Ratchet Spanner



4 Way Spanner

The 4 sizes in 1 ratchet wrenches are handy tools for any electrician. They are light and versatile with easy swap between sizes of the wrench and rotational direction.



GRIPPING THE GLOBE

NGK Grips & Selection Guide (* see selection chart for more detail)

Grips - Conductor/Wire

Used to grip **Conductors AL, Cu, ACSR, Wire Rope, Steel Wire, ABC and CCT** during tensioning

NAGAKI's high-quality wire grips combine strength and durability. Light and compact, they are widely used in power, railway and telecommunication fields for pulling application on various wires and cables. Our wire grip design is well-known for easy one-handed operation and for its minimum damage on the cable. Made in Japan from Quality Japanese materials

- Manufactured from high tensile alloy steel, hot forged, heat-treated, precision machined and zinc-plated
- Safety latch on all models
- Locking nut option available on some models
- Special shaped pulling eyes suit all brands of pullers

IMPORTANT

The **"SAFETY"** of your personnel and the longevity of your equipment depends on the **Correct use, Inspection, Cleaning and Maintenance.**

Correct use

- Operators should be trained in the relevant job at hand
- Read and understand the Instruction/Operators Manual
- Ensure you have selected the correct grip for the conductor type, size and tension, as well as the ancillary equipment. (e.g. max tension of hoist).



For more information on the care and maintenance of your Grips, CLICK or SCAN the QR-Code

Contact TEN for cleaning equipment

Part No. **MINI-GRIP**
(Steel-Barbed-Catenary*)



Wire OD		WLL	Jaw Length	Eye Width	Wt
Min.	Max.				
1mm	10mm	5kN	-	16mm	0.3kg

Part No. **SD-L-GRIP/W**
(Steel-CU-Wire rope-Catenary*)



Wire OD		WLL	Jaw Length	Eye Width	Wt
Min.	Max.				
2.6mm	15mm	10kN	34mm	26mm	0.6kg

Part No. **MESSEN-L-GRIP-L**
(CU-Catenary*)



Locking Grip

Wire OD		WLL	Jaw Length	Eye Width	Wt
Min.	Max.				
4.0mm	12mm	10kN	50mm	26mm	0.7kg

Part No. **SS-GRIP**
(Telephone)



Wire OD		WLL	Jaw Length	Eye Width	Wt
Min.	Max.				
5.0mm	12mm	10kN	160mm	26mm	1.6kg



NAGAKI

NGK Grip Image Guide (* see selection chart for more detail)

Part No. 1TON-L-GRIP
(CU-Catenary*)



Wire OD		WLL	Jaw Length	Eye Width	Wt
Min.	Max.				
4mm	22mm	10kN	60mm	32mm	1.4kg

Part No. 2TON-L-GRIP
(CU-Catenary*)



Wire OD		WLL	Jaw Length	Eye Width	Wt
Min.	Max.				
4mm	22mm	20kN	60mm	32mm	1.4kg

Part No. MIDDLE-L-GRIP
(CU-Covered-Catenary*)



Wire OD		WLL	Jaw Length	Eye Width	Wt
Min.	Max.				
5mm	25mm	20kN	110mm	32mm	1.8kg

Part No. 2TON-W-GRIP
(CU-Wire Rope-Catenary-Contact*)



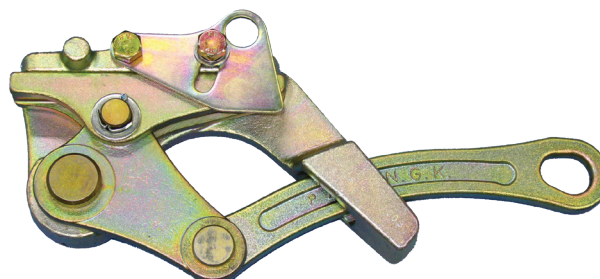
Wire OD		WLL	Jaw Length	Eye Width	Wt
Min.	Max.				
5mm	16mm	20kN	100mm	32mm	1.8kg

Part No. 3TON-GRIP
(CU-Wire Rope-Catenary-Contact*)



Wire OD		WLL	Jaw Length	Eye Width	Wt
Min.	Max.				
8mm	22mm	30kN	120mm	34mm	3kg

Part No. 4TON-GRIP
(CU-Wire Rope-Catenary-Contact*)



Wire OD		WLL	Jaw Length	Eye Width	Wt
Min.	Max.				
13mm	28mm	40kN	150mm	25mm	5kg



GRIPPING THE GLOBE

NGK Grip Image Guide (* see selection chart for more detail)

Part No. 6TON-GRIP
(CU-Wire Rope-Catenary-Contact*)



Wire OD		WLL	Jaw Length	Eye Width	Wt
Min.	Max.				
13mm	28mm	60kN	150mm	25mm	5.2kg

Part No. 10TON-GRIP
(Stay-CU-Wire Rope-Catenary-Contact*)



Wire OD		WLL	Jaw Length	Eye Width	Wt
Min.	Max.				
18mm	32mm	100kN	180mm	60mm	10.0kg

Part No. AL-L-GRIP
(ACSR-AL*)



Wire OD		WLL	Jaw Length	Eye Width	Wt
Min.	Max.				
5mm	20mm	20kN	100mm	32mm	1.5kg

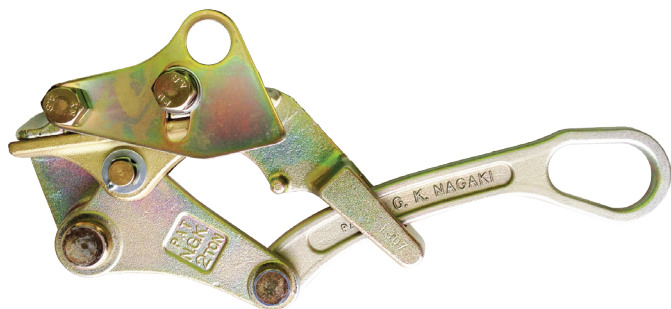
Part No. AL-2TON-GRIP-L
(ACSR-AL*)



Locking Grip

Wire OD		WLL	Jaw Length	Eye Width	Wt
Min.	Max.				
5mm	22mm	10kN	60mm	32mm	1.1kg

Part No. AL-MIDDLE-GRIP
(ACSR-AL*)



Wire OD		WLL	Jaw Length	Eye Width	Wt
Min.	Max.				
5mm	25mm	20kN	110mm	32mm	1.8kg

Part No. AL-MIDDLE-GRIP-L
(ACSR-AL*)



Locking Grip

Wire OD		WLL	Jaw Length	Eye Width	Wt
Min.	Max.				
5mm	25mm	20kN	110mm	32mm	2.9kg



NAGAKI

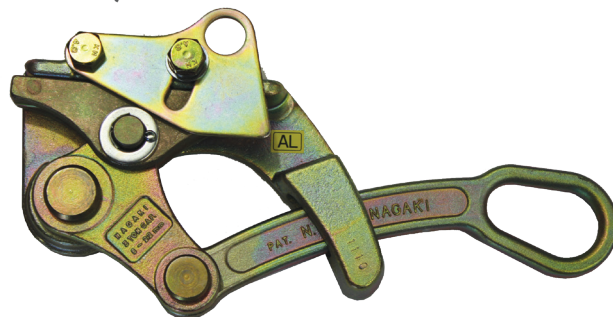
NGK Grip Image Guide (* see selection chart for more detail)

**Part No. AL-LARGE-GRIP
(ACSR-AL*)**



Wire OD		WLL	Jaw Length	Eye Width	Wt
Min.	Max.				
16mm	32mm	20kN	110mm	32mm	2kg

**Part No. AL-3TON-GRIP
(ACSR-AL*)**



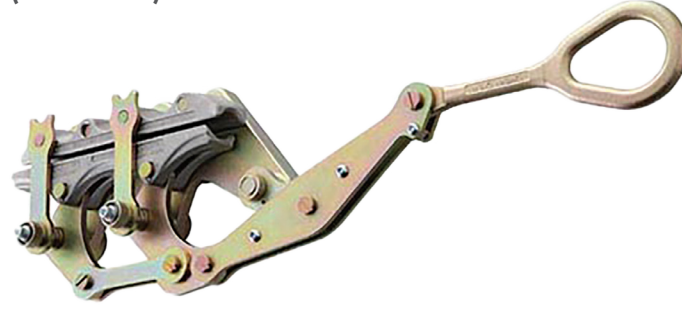
Wire OD		WLL	Jaw Length	Eye Width	Wt
Min.	Max.				
8mm	22mm	30kN	120mm	34mm	3kg

**Part No. AL-4TON-GRIP
(ACSR-AL*)**



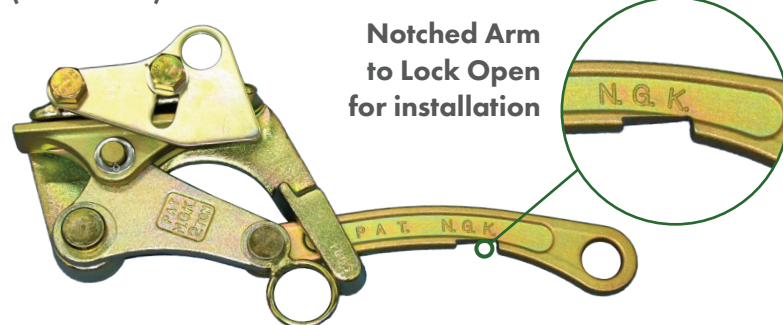
Wire OD		WLL	Jaw Length	Eye Width	Wt
Min.	Max.				
20mm	35mm	40kN	140mm	34mm	3.7kg

**Part No. AL-10TON-GRIP
(ACSR-AL*)**



Wire OD		WLL	Jaw Length	Eye Width	Wt
Min.	Max.				
32mm	46mm	100kN	300mm	63mm	14.0kg

**Part No. HOT-M-GRIP
(ACSR-AL*)**



Wire OD		WLL	Jaw Length	Eye Width	Wt
Min.	Max.				
5mm	25mm	20kN	110mm	32mm	2.0kg

**Part No. HOT-L-GRIP
(ACSR-AL*)**



Hot Line Rings

Wire OD		WLL	Jaw Length	Eye Width	Wt
Min.	Max.				
16mm	32mm	20kN	110mm	32mm	2.0kg



GRIPPING THE GLOBE

NGK Grip Image Guide (* see selection chart for more detail)

Part No. CCT-GRIP
(CCT-Coverd Conductor Thick*)



IDEAL for 80 &
180mm² CCT

Wire OD		WLL	Jaw Length	Eye Width	Wt
Min.	Max.				
5mm	25mm	20kN	110mm	32mm	1.8kg

Part No. TROLLEY-GRIP1L-S
(CU-Wire Rope-Catenary-Guy-Contact*)



Locking Grip

Wire OD		WLL	Jaw Length	Eye Width	Wt
Min.	Max.				
5mm	16mm	20kN	100mm	32mm	1.5kg

Part No. TROLLEY-GRIP-2-L
(CU-Wire Rope-Catenary-Guy-Contact*)



Locking Grip

Wire OD		WLL	Jaw Length	Eye Width	Wt
Min.	Max.				
8mm	20mm	20kN	150mm	25mm	2.8kg

Part No. TROLLEY-GRIP-4-L
(CU-Wire Rope-Catenary-Guy-Contact*)



Locking Grip

Wire OD		WLL	Jaw Length	Eye Width	Wt
Min.	Max.				
8mm	20mm	20kN	150mm	25mm	2.8kg

Part No. ABC-GRIP-S (ABC*)



Part No. ABC-GRIP (ABC*)



Part No. ABC-GRIP-L (ABC*)



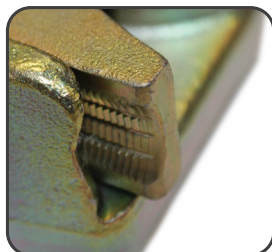
Part No.	Wire OD		WLL	Jaw Length	Wt
	Min.	Max.			
ABC-GRIP-S	2 x 16mm ²	4 x 35mm ²	6.0kN	130mm	1.8kg
ABC-GRIP	4 x 35mm ²	4 x 95mm ²	8.5kN	190mm	3.3kg
ABC-GRIP-L	4 x 95mm ²	4 x 150mm ²	20kN	190mm	3.3kg



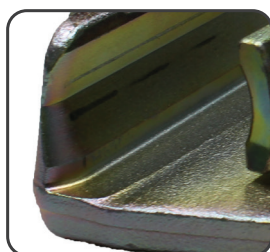
Part No.	Min - Max Dia. (mm)	WLL (kN)	Jaw Length (mm)	Jaw Type	Wt (kg)	Safety Latch	Suitable for Wire/Cable	Eye Width (mm)	Notes
MINI-GRIP	1 - 10	5	NA	Serrated	0.3	No	Steel Rod, Barbed & Catenary Wire	16	Curved Jaw
SD-L-GRIP/L/W	2.6 - 15	10	34	Serrated	0.6	Yes	Steel Rod/Wire, Bare Cu & Catenary Wire	26	Large Eye
MESSEN-L-GRIP-L	4 - 12	10	50	Serrated	0.7	Yes	Bare Cu & Catenary Wire	26	Double Lock Nut
1TON-L-GRIP	4 - 22	10	60	Serrated	1.4	Yes	Bare Cu, Covered Conductor & Catenary Wire	32	Large Eye
2TON-L-GRIP	4 - 22	20	60	Serrated	1.4	Yes		32	Large Eye
MIDDLE-L-GRIP	5 - 25	20	110	Serrated	1.8	Yes		32	Large Eye
CCT-GRIP	5 - 25	20	110	Serrated	1.8	Yes	CCT Up to 180mm ² (11kV) Up to 80mm ² (22kV)	32	Large Eye
2TON-W-GRIP	5 - 16	20	100	Serrated	1.8	Yes	Bare Cu, Wire Rope, Catenary Wire & Rail Contact Wire	32	Large Eye
3TON-GRIP	8 - 22	30	120	Serrated	3.1	Yes		34	-
4TON-GRIP	13 - 28	40	150	Serrated	5.0	Yes		50	-
6TON-GRIP	13 - 28	60	150	Serrated	5.2	Yes		25	-
10TON-GRIP	18 - 32	100	180	Serrated	10.0	Yes	Wire rope, Catenary Wire	60	-
AL-L-GRIP	5 - 22	10	60	Smooth	1.1	Yes	ACSR & Bare AL	32	Fine smooth jaw, less chance of conductor damage
AL-2TON-GRIP-L	5 - 20	20	100	Smooth	1.7	Yes		32	
AL-MIDDLE-GRIP*	5 - 25	20	110	Smooth	1.8	Yes		32	
AL-MIDDLE-GRIP-L	5 - 25	20	110	Smooth	2.9	Yes		32	
AL-LARGE-GRIP*	16 - 32	20	110	Smooth	2.0	Yes		32	
AL-3TON-GRIP	8 - 22	30	120	Smooth	3.0	Yes		34	
AL-4TON-GRIP	20 - 35	40	140	Smooth	3.7	Yes		34	
HOT-M-GRIP	5 - 25	20	110	Smooth	2.0	Yes	ACSR & Bare AL	32	Hot Stick Rings
HOT-L-GRIP	16 - 32	20	110	Smooth	2.0	Yes		32	
AL-10TON-GRIP	32-46	100	300	Smooth	14	Yes		63	Smooth jaw
TROLLEY-GRIP1L-S	5 - 16	20	100	Serrated	1.5	Yes	Rail Contact Wire, Bare Cu, Catenary Wire, Guy & Wire Rope	32	Large Eye
TROLLEY-GRIP-2-L	8 - 20	20	150	Serrated	2.8	Yes		25	Large Eye
TROLLEY-GRIP-4-L	13 - 28	40	150	Serrated	5.2	Yes		32	Large Eye
ABC-GRIP-S	2x16 & 4x35mm ²	6.0	130	Serrated	1.8	Yes	ABC - 2 x 16mm ² to 4 x 35mm ²	32	Large Eye
ABC-GRIP	4x35 & 4x95mm ²	8.5	190	Serrated	3.3	Yes	ABC - 4 x 35mm ² to 4 x 95mm ²	35	Large Eye
ABC-GRIP-L	4x95 & 4x150mm ²	20	190	Serrated	3.3	Yes	ABC - 4 x 95mm ² to 4 x 150mm ²	35	Large Eye

"L" Suffix denotes Locking - * Add "TB" Suffix for Bent Eye Option

Serrated Jaw



Smooth Jaw



ABC Jaw





**GRIPPING
THE GLOBE**

Cable/Wire x Part No. Cross Reference - Nagaki (NGK)

Select your grip based on Cable/Wire type

NGK - GRIP PART No.	FEATURES				WLL		WIRE DIA		CORRESPONDING CABLE												SIZE	
	LARGE EYE	SAFETY LATCH	LOCKING	HOT RING	kN	TONNE	MIN (mm)	MAX (mm)	STEEL ROD	STEEL WIRE	BARBED WIRE	BARE COPPER	BARE AL & ASCR	COVERED CON-DUCTOR	WIRE ROPE	CATENARY WIRE	GUY (EHSC)	RAIL CONTACT WIRE	ABC	TELEPHONE CABLE	EYE SIZE (mm)	WEIGHT (kg)
MINI-GRIP					5	0.5	1	10	X		X					X					16	0.3
SD-L-GRIP/W	X	X			10	1.0	2.6	15		X		X			X	X					26	0.7
MESSEN-L-GRIP-L	X	X	X		10	1.0	4	12				X				X					26	0.7
1TON-L-GRIP	X	X			10	1.0	4	22				X				X					32	1.4
2TON-L-GRIP	X	X			20	2.0	4	22				X				X					32	1.5
MIDDLE-L-GRIP	X	X			20	2.0	5	25				X		X		X					32	1.8
CCT-GRIP	X	X			20	2.0	5	25						CCT	See above chart						32	1.8
2TON-W-GRIP	X	X			20	2.0	5	16				X			X	X		X			32	1.8
3TON-GRIP	X	X			30	3.0	8	22				X			X	X		X			34	3.1
4TON-GRIP		X			40	4.0	13	28				X			X	X		X			50	5.0
6TON-GRIP		X			60	6.0	13	28				X			X	X		X			25	5.2
10TON-GRIP	X	X			100	10	18	32							X	X					60	10
AL-L-GRIP	X	X			100	1.0	5	22					X								32	1.4
AL-2TON-GRIP-L	X	X	X		20	2.0	5	20					X								32	2.3
AL-MIDDLE-GRIP*	X	X			20	2.0	5	25					X								32	2.3
AL-MIDDLE-GRIP-L	X	X	X		20	2.0	5	25					X								32	2.8
AL-LARGE-GRIP*	X	X			20	2.0	16	32					X								32	2.3
AL-3TON-GRIP	X	X			30	3.0	8	22					X								34	3.0
AL-4TON-GRIP	X	X			40	4.0	20	35					X								34	3.7
AL-10TON-GRIP	X	X			100	10	32	46					X								63	14
HOT-M-GRIP	X	X		X	20	2.0	5	25					X								32	2.1
HOT-L-GRIP	X	X		X	20	2.0	16	32					X								32	2.1
ABC-GRIP-S	X	X			6	0.6	2x16	4x35											X		32	1.8
ABC-GRIP	X	X			8.5	0.85	4x35	4x95											X		35	3.3
ABC-GRIP-L	X	X			20	2.0	4x95	4x150											X		35	3.3
TROLLEY-GRIP1LS	X	X	X		20	2.0	5	16				X			X	X	X	X			32	2.3
TROLLEY-GRIP-2-L		X	X		20	2.0	8	20				X			X	X	X	X			20	3.4
TROLLEY-GRIP-4-L		X	X		40	4.0	13	28				X			X	X	X	X			50	5.2

"L" Suffix denotes Locking
* Add "TB" Suffix for Bent Eye Option



NAGAKI

Hoists - Nagaki (NGK)

Web Strap Ratchet Hoists - Nagaki NGK

Part No. Various

Web strap hoists feature insulated super-strength 32mm wide web straps, insulated Fibreglass handles & a special handle neck that will bend if the unit is overloaded to prevent damage to the hoist & injury to the operator.

- Convertible series with 3 hooks
- Lightweight
- Insulated handles rotate 360°
- Controlled smoother release of load
- Made in Japan from Japanese components - BEWARE OF IMITATIONS!

**Favoured by
line crews
for its compact
size and weight**

Part No.	WLL (T)	Min Pull (mm)	Max Pull (mm)	Handle Length (mm)	Wt (kg)
N-1000P	1.0	440	1940	400	3.3
N-1500P	1.5	470	1970	460	4.6
N-1500P-EX	0.75 Single 1.5 Double	500	2000 Double 3500 Single	460	5.0
N-1500P-EX-L	Pulling: 0.75 Single 1.5 Double	500	2000 Double 3500 Single	460	5.0
	Lifting: 200kg Single 400kg Double				

Rated for lifting. Requires annual inspection/service.

Wire Rope Hoists - Nagaki NGK

Part No. Various

- Steel handle rotates 360°
- Made in Japan from Japanese components
- Convertible and Standard Configuration available



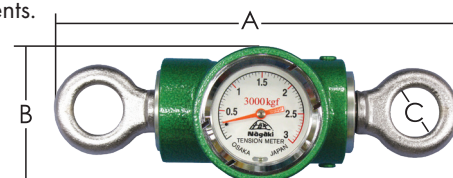
Part No.	WLL (T)	Min Pull (mm)	Max Pull (mm)	Handle Length (mm)	Wt (kg)
P-1500-C (Convertible)	0.75 Single 1.5 Double	460	1870 Double 3280 Single	430	4.1
P-1500-EX	0.75 Single 1.5 Double	500	3500 Double 6500 Single	430	5.0

Mechanical Dynamometers - Nagaki (NGK)

NGK Dynamometers are lightweight, compact and plated to resist corrosion.

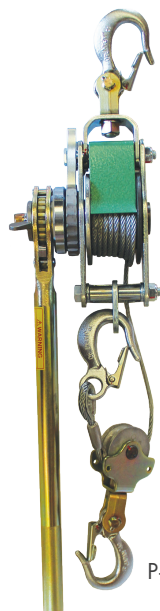
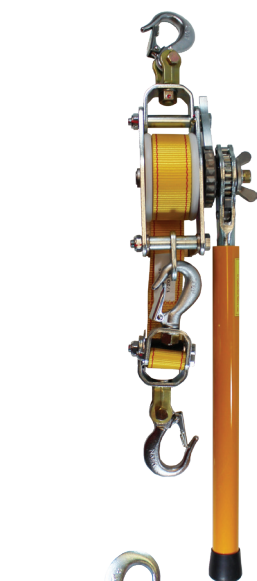
All models feature a large face dial for easy reading of measurements.

- Made in Japan from Japanese components
- Precise measurement of tension and loads
- Kilogram/force (kN) dial display
- Accuracy ±3%



Part No.	Capacity (kN/T)	Graduation (Gauge Increments) (N)	Attachments	Dimensions (mm)			Wt (kg)
				A	B	C	
AS-3	3/0.3	50	Eye-Clevis	110	65	16	0.7
AS-10L	10/1	200	Eye-Eye **	135	65	28	1.2
AS-20L	20/2	500	Eye-Eye **	135	65	28	1.6
AS-30	30/3	500	Eye-Eye	150	80	28	2.0
AS-50	50/5	1000	Eye-Eye	260	95	28	3.0
AS-100	100/10	2000	Eye-Eye	360	100	38	7.2

** 1 & 2 Tonne versions also available with Eye-Clevis attachments. Use Part No's AS-10 & AS-20



P-1500-EX



Leather Case
(Included)



GRIPPING THE GLOBE

Hoists - Nagaki (NGK)

Chain Hoists 0.75 and 1.5T - Nagaki (NGK)

Part No. RICKY-2 & RICKY-3

- Lightweight aluminium housing with 5mm OD alloy chain link & forged hooks
- 1.5m pull
- 360° rotating handle of 230mm length
- Safety hook attachment
- All models manufactured under ISO9001 and ISO 14001 standards

Part No.	Style	WLL (T)	Chain length (m)	Min Pull (mm)	Max Pull (mm)	Handle Length (mm)	Wt (kg)
RICKY-2	Safety Hook	0.75	1.5	300	1800	230	4
RICKY-3	Safety Hook	1.5		350	1850	230	5

Chain Hoists 3, 4 and 6T - Nagaki (NGK)

Part No. Various

- Lightweight aluminium housing with 5mm OD alloy chain link & forged hooks
- 360° rotating handle of 430mm length
- Safety hook attachment
- Special length chains available on request
- Model2000C with Torque Handle

Part No.	Style	WLL (T)	Chain length (m)	Min Pull (mm)	Max Pull (mm)	Handle Length (mm)	Wt (kg)
MODEL2000C-1.5	Safety Hook	2	1.5	480	2000	430	6.6
MODEL3000-1.5	Safety Hook	3		480	2000	430	8
MODEL4000H-1.5	Safety Hook	4		580	2180	430	12
MODEL6000-1.5	Clevis	6		650	2250	430	19

Other chain lengths available - Contact TEN for further information



RICKY-2

Suitable
for
Pulling/
Tensioning



MODEL3000

Model 4000H lightweight & ideal for Transmission tensioning

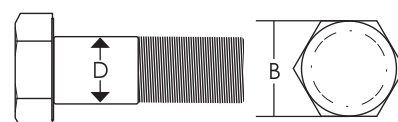
Ratchet Spanner - Nagaki NGK



The 4 sizes in 1 Insulated ratchet wrenches are handy tools for any electrical worker. Light and versatile with easy swap between sizes of the wrench and rotational direction.

Part No. BY-3

- Four sizes in one
- Plastic ergonomic non-slip handle with grips
- 1000v Insulated



D	10mm	12mm	16mm	20mm
B	17mm	19mm	24mm	30mm

FOUR sizes in ONE