

WIREFTEKNIK ROLLER SWAGING MACHINES



PRORIG[®]

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OUR SMALLEST MACHINE.

A100



Hand pump P19L is standard equipment.



*Without Handpump, 13 kg (29 lbs)
with Handpump P19L.*

Dimensions:

L=440 mm (17 1/2")

W=300 mm (11 3/4")

H=135 mm (5 1/4")

Weight: 11 kg (24 lbs)

The Bantam Machine.

A perfect machine for swaging on-site. Low weight and small outer dimensions makes it extremely portable.

Swaging Range: 1,6-5 mm wire. (1/16"-3/16")

Typical applications:

- Architectural, like balustrades and railing.
- Scenographic use at theaters for hanging and supporting set pieces.
- Onboard joining of towing lines for NATO's aviation practice targets.
- Shop fitters use it to make spectacular product displays for their customers.
- Standing rigging for sailing dinghies and lifelines on yachts.
- Structural rigging for hang-gliders and ultra-light airplanes.



OUR MOST SOLD MACHINE.

A200



Powerful Portability.

A perfect machine for swaging on-site. Low weight and small outer dimensions makes it extremely portable.

Swaging Range: 1,6-8 mm wire. (1/16"-5/16")

Typical applications:

- Standing rigging and lifelines for sailboats.
The Swedish Navy uses it for making railing.
- Architectural, like balustrades and railing.
- Scenographic use at theaters for hanging and supporting set pieces.
- Extensively used for on-site swaging of wire fall protection systems on roofs and buildings.
- Structural rigging for hang gliders and ultra-light airplanes.
- Anchoring of weather balloons.
- Oceanographers uses it for swaging winch wire ropes for their surveying instruments.
- Lifting strops for fuel rods at nuclear power plants.
- Structural rigging for sail-roofs and sail-shades.



An example of A200 fitted with Hydraulic pump unit PHU1.

Dimensions:

L=500 mm (19 3/4")

W=300 mm (11 3/4")

H=140 mm (5 1/2")

Weight: 19,5 kg (42 lbs)



BIG JOB. SMALL MACHINE.

A 270



Big Job. Small Machine.

A perfect machine for swaging on-site. Low weight and small outer dimensions makes it extremely portable. Rigging screws can be swaged assembled.

Swaging Range: 2,5-12 mm wire. (3/32" - 1/2")

Typical applications:

- Standing rigging and lifelines for sailboats.
- Architectural, like balustrades and railing.
- Often used to build support structures for membrane roofs and tents.
- Structural rigging for sail-roofs and sail-shades.

Dimensions:
L: 750 mm
W: 420 mm
H: 177 mm

Weight: 51 kg



PRO RIG

A350

THE PRODUCTION LINE MACHINE.



*An example of A350 fitted with
Hydraulic pump unit PHU1.*



Dimensions:
L= 1117 mm (44")
W=370 mm (14 3/4")
H=210 mm (8 1/4")
Weight: 66 kg (146 lbs)

Production Line Machine.

A perfect machine for line production, the low weight and small outer dimensions still makes it extremely portable.

Rigging screws can be swaged assembled.

Swaging Range: 2,5-16 mm wire. (3/32" - 5/8")

Typical applications:

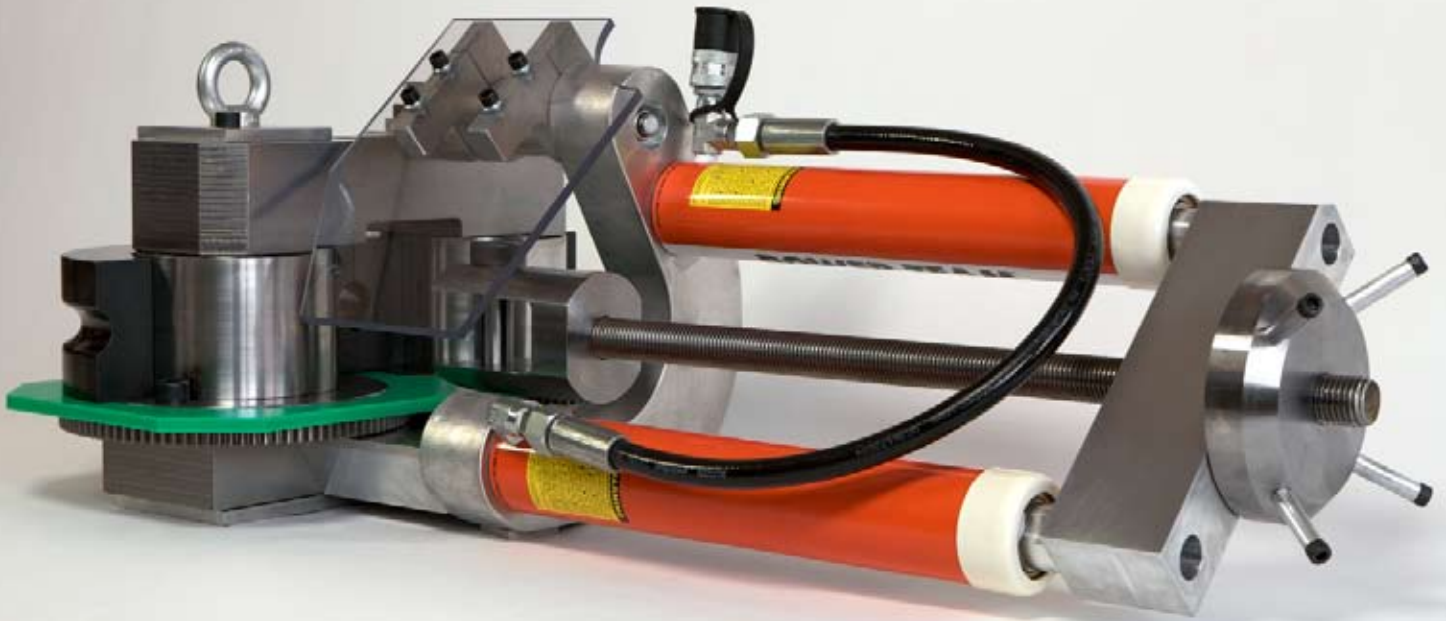
- Standing rigging and lifelines for sailboats.
- Architectural, like balustrades and railing.
- Good for medium size glass facade projects.
- Often used to build support structures for membrane roofs and tents.
- Structural rigging for sail-roofs and sail-shades.



PRO RIG®

THE ULTRA COMPACT MACHINE.

A400



Dimensions:
L=990 mm (39")
W=530 mm (20 7/8")
H=370 mm (14 1/2")
Weight: 142 kg (313 lbs)

The Ultra Compact Machine.

The Ultra Compact Machine for up to 28 mm Wire Rope.

A perfect machine for swaging on-site. Low weight and small outer dimensions makes it extremely portable. Rigging screws can be swaged assembled.

Swaging Range: 8-28 mm wire. (5/16"-1 1/8")

Typical applications:

- Standing rigging and lifelines for larger sailboats and yachts.
- Used for on-site production of road safety barrier systems.
- Architectural, like balustrades, railing and hanging bridges.
- Good for big size glass facade projects.
- Often used to build support structures for membrane roofs and tents.
- Structural rigging for sail-roofs and sail-shades.





A500

"THE BRONTO" OUR LARGEST MACHINE.

Extremely Powerful.

The A500 is a compact yet very powerful machine ready for the biggest projects.

Swaging Range: 16-40 mm wire. (5/8"-1 1/2")

Typical applications:

- Architectural, like balustrades, railing and hanging brid ges.
- Often used to build support structures for membrane roofs and tents.
- Good for big size glass facade projects.
- Structural rigging for sail-roofs and sail-shades.
- Standing rigging and lifelines for larger sailboats and yachts.



Dimensions:
 L=1380 mm (54 1/4")
 W=780 mm (30 3/4")
 H=490 mm (19 1/4")
 Weight: 392 kg (864 lbs)





1 Choose the pair of roller dies that corresponds to the cable diameter, and slip them onto the cogwheel synchronizing pins. The arrows on the dies should always be in the swaging direction.



2 Attach the terminal to the attachment fixture on the drawbar, and adjust the length so the roller dies meet the terminal shank at desired position.



3 Apply just enough hydraulic pressure so that the roller dies holds the terminal firmly. Then mark and insert the cable into the bottom of the terminal throat.



4 Move the transparent protective shield into position. Apply hydraulic pressure to draw the terminal between the roller dies.



5 When the roller dies rotate, they will press the terminal shank onto the wire rope.



6 Measure the diameter of the terminal after swaging, and compare with the swage dimensions list.

Note

The swager is designed to reduce the terminal shank to required diameter in one pass. However dimension variations of terminals, cables or material hardness could make it necessary to pass the terminal twice.

Note: When swaging solid rods, a special swaging compound must be used. After swaging wipe off the roller dies and swaging machine, and apply a corrosion preventative.





mm		
WIRESIZE BEFORE SWAGING	DIAMETER	DIAMETER AFTER SWAGING
1.6	4.06/3.94	3.50/3.40
2.5	5.53/5.41	4.82/4.7
3	6.35/6.22	5.56/5.44
4	7.54/7.42	6.35/6.23
5	9.12/9.00	7.95/7.83
5.5	10.84/10.72	9.50/9.35
6	12.54/12.42	11.12/10.95
7	14.30/14.18	12.70/12.50
8	16.13/16.01	14.30/14.07
9-10	17.85/17.73	15.90/15.70
11	19.83/19.63	17.47/17.27
12	21.44/21.32	19.05/18.82
12E	20.08/20.00	17.80/17.60
14	25.00/24.88	22.23/22.00
16	28.17/28.05	25.40/25.15
19	34.52/34.40	31.75/31.44
22	40.46/40.21	36.50/36.20
25	46.02/45.77	41.28/40.97
28	50.0	44/44.5
32	58.0	51.0/51.5
36	65.0	57.0/57.8
38~40	72.0	63.2/64.0

inch		
WIRESIZE BEFORE SWAGING	DIAMETER	DIAMETER AFTER SWAGING
1/16	.160/.155	.138/.133
3/32	.218/.213	.190/.185
1/8	.250/.245	.219/.214
5/32	.297/.292	.250/.245
3/16	.359/.354	.313/.308
7/32	.427/.422	.375/.368
1/4	.494/.489	.438/.431
9/32	.563/.558	.500/.492
5/16	.635/.630	.563/.554
3/8	.703/.698	.625/.618
7/16	.781/.773	.688/.680
1/2	.844/.839	.750/.741
9/16	.984/.979	.875/.866
5/8	1.109/1.104	1.000/.990
3/4	1.359/1.354	1.250/1.238
7/8	1.593/1.583	1.437/1.425
1	1.812/1.802	1.625/1.613
1 1/8	1.968	1.732/1.751
1 1/4	2.284	2.007/2.028
1 3/8	2.559	2.244/2.275
1 1/2	2.835	2.488/2.519
1 3/4	2.952	2.598/2.640

Note

The swager is designed to reduce the terminal shank to required diameter in one pass. However dimension variations of terminals, cables or material hardness could make it necessary to pass the terminal twice.

Note: When swaging solid rods, a special swaging compound must be used. After swaging wipe off the roller dies and swaging machine, and apply a corrosion preventative.

