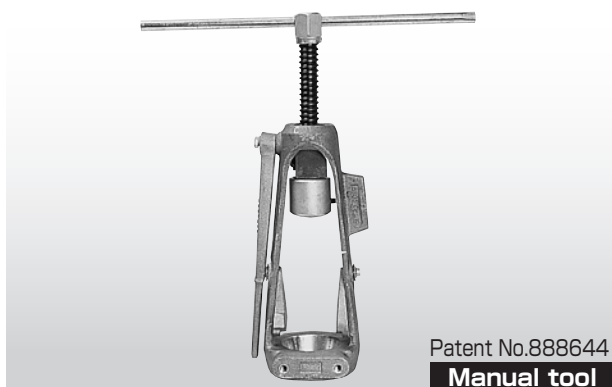


Hose assembly machine and tool,

Hose assembly tools

Although Nitta plastic hoses and couplings are produced under thorough quality control, they should be correctly assembled to maximize the full potential. Please read the instructions for the use of assembling machines, tools, pushers, and dies, and assemble the hose parts with care. For details, please see the product instruction manual.

Assembling tool Mark 10



Features

- Light and easy to carry
- Anywhere, anyplace, for assembling operation

Specification

Weight : 4kg
Size : W118 × L118 × H330mm
Material : aluminum die casting

Mark 10 can be used in the following three ways :

- (1) Fixed on a vice
- (2) Laid on the floor (with rear cushion arm and ratchet wrench HEX32)

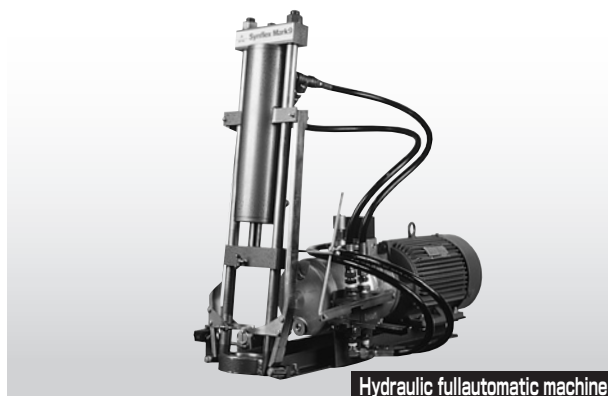
Assembling method

▶▶▶ p.59

⚠ CAUTION

Since it is aluminum die casting, strong impact incurred when dropped Will cause damage to the body. Please handle with care.

Assembling machine Mark 9



Features

- Significant reduction of the operation time
- Beneficial for assembling a large quantities

Specification

Motor power : 200V, three-phase, 2.2 kw (3 horse power)
Hydraulic pump : Max pressure 14.3 MPa
Working pressure 11.2 Mpa
(relief pressure already set)
Working oil : turbine oil VG46 or the equivalent
Hydraulic cylinder : double-acting special cylinder
stroke 150 mm
Weight : 90kg
Size : W520 × L820 × H800mm

Assembling method

▶▶▶ p.61

special jigs and tools

Hose assembly jigs and tools

The followings are assembly jigs and tools for Mark 9 and 10.

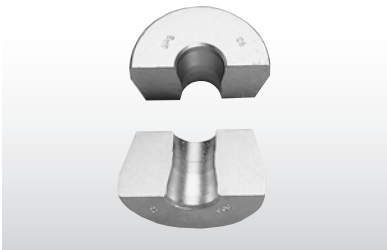
Pusher



This is a jig to fix the sleeve of the hose coupling when assembling.

List of suitable part numbers
▶▶▶ p.63

Die



This is a jig to swage the socket of the hose coupling when assembling.

List of suitable part numbers
▶▶▶ p.63

Hand hose cutter



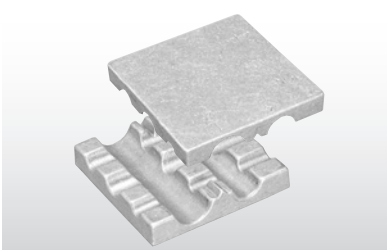
Part number: HC03
This can cut hoses from sizes O2 to O8.

Hose cutter



Part number : HC01
This can cut all hose sizes. There are bolt holes in the base to fix the cutter to a work surface.

Holding die (vice block)



Part number : HD01 (for O3, O4, O5, O6, O8)
HD02 (for O8, 12, 16)
This is used to fix hoses in place.
🔧 Use Size O2 at the position of 3/16 of HD01.

Assembly lubricant



Part number :
For assembling steel connectors : PG3740 (Nihon Kohsakyu) (lubricant color : green)
For assembling stainless connectors : CFH68 (Nisseki Mitsubishi) (lubricant color : yellow)
Content: 500 ml

This is used when you insert a hose into a hose connector or swage connectors with assembling tools.

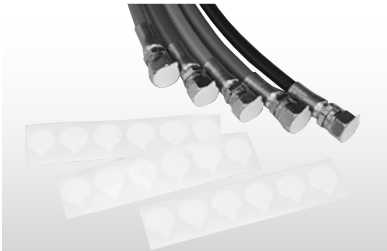
CAUTION
If the recommended lubricant is not applied, coating damage and/or socket buckling may occur.

Campucka coupling detachable jig



Part number : TRL

Hose coupling cap seal



🔧 Contact us for details.

HC01 Handling Instructions

1. Fix the HC01 to a stable work surface.
2. Remove the blade fixing spring to open the cutter.
3. Set the hose into the U-shaped support.
 - CAUTION** Do not use with any resin hoses other than the ones manufactured by Nitta.
 - WARNING** Do not touch the cutting edge of the cutter. Also, do not place your hand near the cutting edge of the cutter. Doing so is dangerous because it may cause injury.
 - CAUTION** Cut the hose so that the cut surface is at right angles. If the hose is cut diagonally, there is a risk of causing malfunction due to insufficient hose insertion.
 - CAUTION** Avoid cutting a wire braid hose such as an 1100 series hose. It may cause nicks in the blade.
4. Push down the cutter handle to press-cut the hose.
 - CAUTION** Do not use with any resin hoses other than the ones manufactured by Nitta.
 - WARNING** Do not touch the cutting edge of the cutter. Also, do not place your hand near the cutting edge of the cutter. Doing so is dangerous because it may cause injury.
5. When not using the cutter or when temporarily stopping work, fix the blade in closed position with the blade fixing spring so that the blade is not exposed.
 - WARNING** Leaving the cutter with the blade exposed or not closed with the fixing spring is very dangerous.

Use a commercially available wire cutter to cut a wire braid hose.