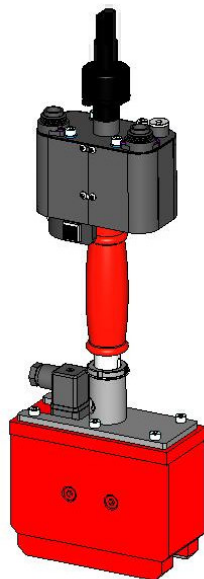


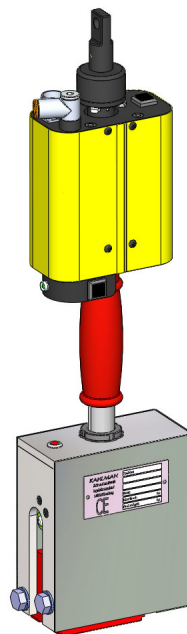
Magnetic gripper 1

Pneumatic switchable permanent magnet. A customized gripper designed to handle large objects in/out of press break/laser cutting machines. Sheet metal thickness from 8 mm. Max. temp on lifting object 50 °C.



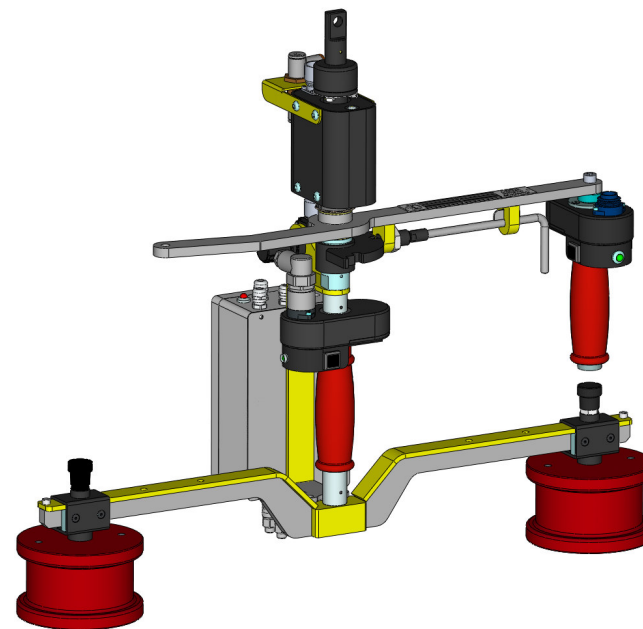
Magnetic gripper 2

Electric switchable permanent magnet. Sheet metal thickness from 6 mm. Available with an extra handle as on magnetic gripper 4. Max. temp on lifting object 50 °C.



Magnetic gripper 3

Pneumatic switchable lever magnet. Sheet metal thickness from 15 mm. Max. temp on lifting object 50 °C.



Magnetic gripper 4

For handling of sheet metal plates in/out of press break/ laser cutting machines. Sheet metal thickness 3 mm without magnetism under the first plate. Load up to 55 kg. Are available with/or without extra handle. Max. temp on lifting object 55 °C.



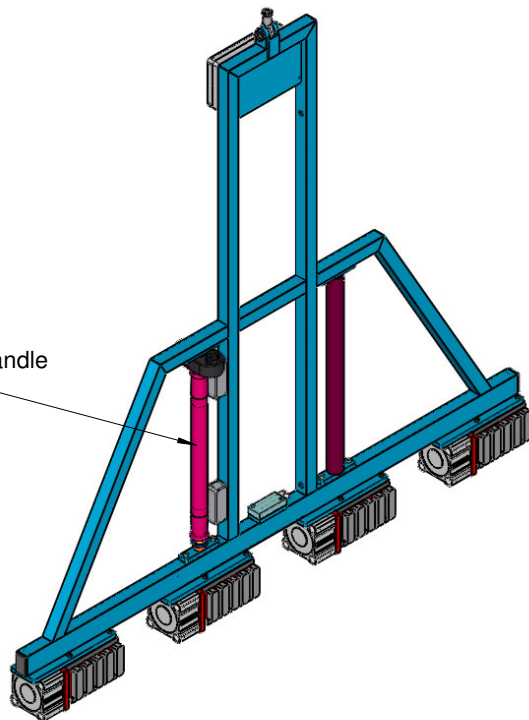
GEN.TOL
SS-ISO 2768-mK
Ra 6.3
Circuit diagram No.

Replace dwg No.

Replaced by dwg No.

Date 2008-04-17	Assembly dwg No.	Project 800	Art.grp. 260	Format A3	Rev.
Creator AA	Check	Surface treatment	Scale 1:1	Sheet 1/1	Drawing No. Magnetic grippers

Manoeuvre handle up/down



Plates can be gripped at vertical or horizontal surface.

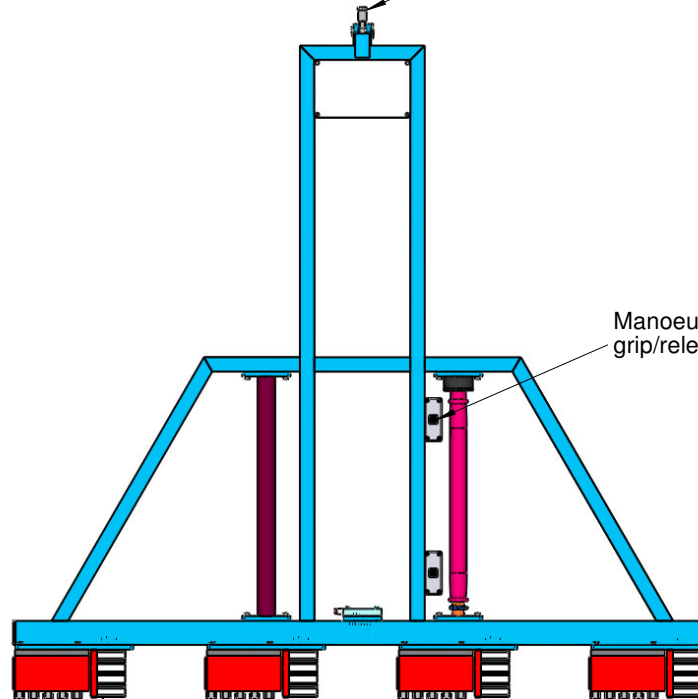
Handles objects up to 200 kg. Thickness minimum 8 mm.

Custom fitted magnetic gripper. Designed for lifting large sheet metal plates in and out of folding presses and U-shaped channels.

Maximum metal temperature 50°C.

Built-in security
Releasing the load is only possible when the gripper is unloaded. This to prevent release by accident.

Wire attachment



Manoeuvre button grip/release

Pneumatic switchable magnets.

Weight of gripper: 64 kg

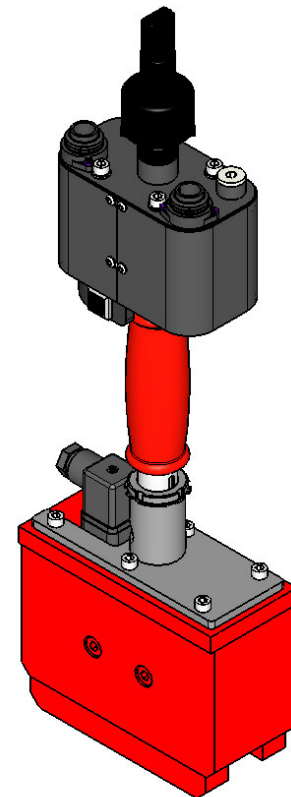
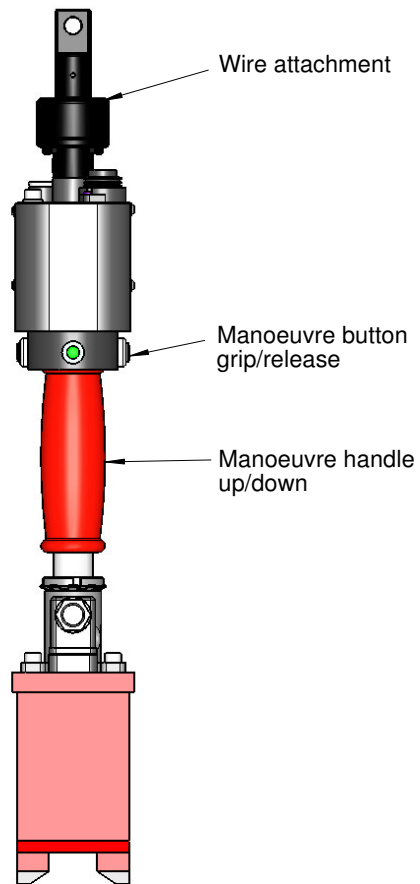
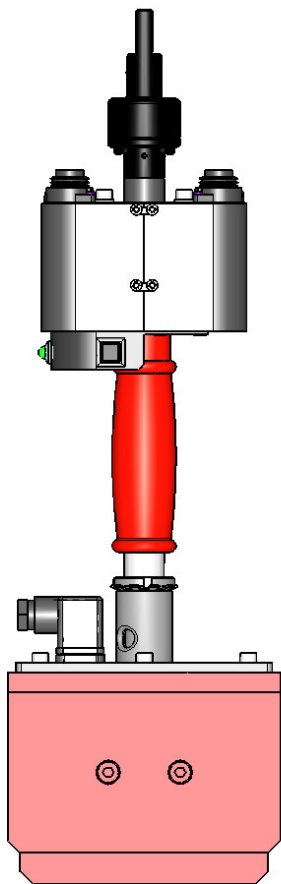


GEN.TOL
SS-ISO 2768-mk
Ra 6.3
Circuit diagram No.

Replace dwg No.

Replaced by dwg No.

Date 2008-04-24	Assembly dwg No.	Project 800	Art.grp. 260	Format A3	Drawing No. 010281
Creator JC	Check	Surface treatment	Scale 1:10	Sheet 1/1	Rev.

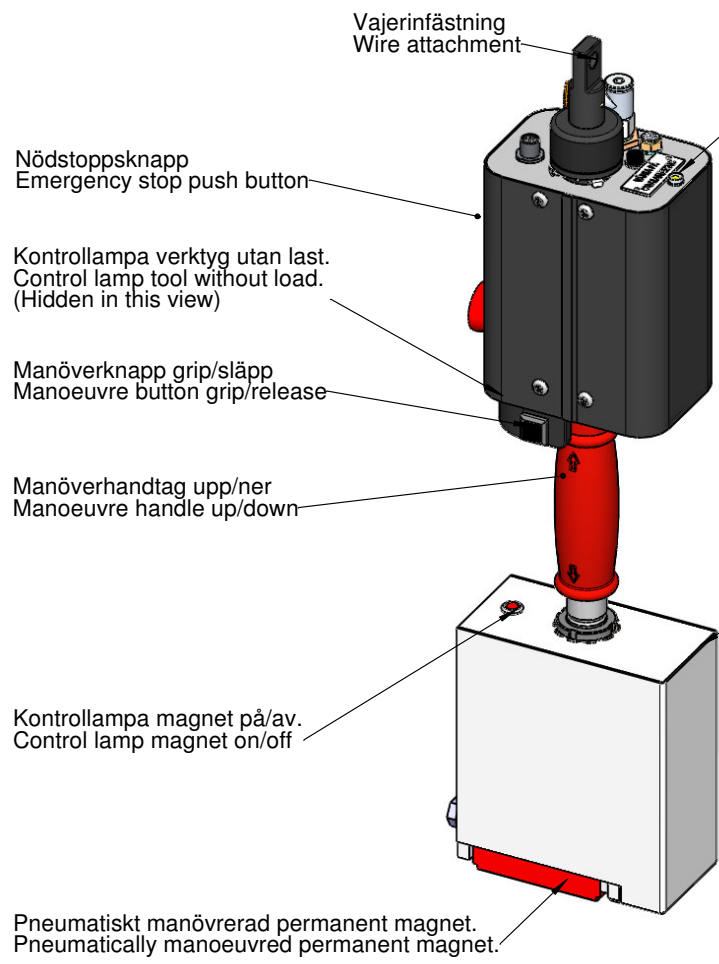


Magnet size has to be adapted in each case. Maximum metal temperature 50 °C. Minimum thickness 6 mm.

Weight of gripper: 16 kg

Built-in security
Releasing the load is only possible when the gripper is unloaded. This to prevent release by accident.

 BINAR USA A KUNDEL-BINAR PARTNERSHIP						GEN.TOL SS-ISO 2768-mK Ra 6.3			
						Circuit diagram No.			
Date						Replace dwg No.			
2008-04-17						Replaced by dwg No.			
Creator		Check		Surface treatment		Scale	Sheet	Rev.	Drawing No.
JC						1:3	1/1		005661



Vajerinfästning
Wire attachment

Nödstoppsknapp
Emergency stop push button

Kontrollampa verktyg utan last.
Control lamp tool without load.
(Hidden in this view)

Manöverknapp grip/släpp
Manoeuvre button grip/release

Manöverhandtag upp/ner
Manoeuvre handle up/down

Kontrollampa magnet på/av.
Control lamp magnet on/off

Pneumatiskt manövrerad permanent magnet.
Pneumatically manoeuvred permanent magnet.

Kontrollampa: last utbalanserad.
Lyften kan ställas in i ett utbalanserat läge, där operatör flyttar lasten genom att med liten kraft föra lyftobjekt upp/ner. Olika vikt på lyftobjekt har ingen betydelse då lastcellen känner av och utbalanserar aktuell vikt.

Control lamp: Load balanced.
The lift can be set to "balance mode", the operator can hold onto the object itself and with a minimum force lift the object up and down. Different mass of lifting objects is no problem as the load cell read and balance the current weight.

Skyddshölje i rostfritt stål
Cover in stainless steel.

Inbyggd säkerhet.
Släppfunktion endast möjlig då verktyget är avlastat. Detta förebygger oavsiktlig lösgörning av lasten.

Built-in security
Releasing the load is only possible when the gripper is unloaded. This to prevent release by accident.

En magnets lyftförmåga är i hög grad beroende av lyftobjektets egenskaper, t ex tjocklek, luftspalt mellan magneten och lyftobjekt såsom ytjämnhet, damm, svetsprut etc.
OBS! Grepp ska tas i objektets tyngdpunkt, en enda magnet är dålig på att ta upp moment.

Före användning:
Varje lyftobjekt skall testas, så att magneten lyfter vikten med 3 gånger säkerhet.

Siffrorna som följer ska ses som riktvärden.
Maximal lyftkapacitet vid grepp i lyftobjektets tyngdpunkt:

Stålblåt: 15 mm 100 kg
Stålblåt: 10 mm 90 kg
Stålblåt: 8 mm 80 kg
Stålblåt: 5 mm 50 kg.
(tjocklek <15 mm, magnetism uppstår under stålblatta).

Rundstång: Ø 50-150 mm 45 kg
Rundstång: Ø 35 mm 40 kg
Denna magnet är inte lämplig för Ø <35 mm.
Max längd på rundstång 1000 mm

Högsta temperatur på lyftobjekt 50 ° C.

The lifting capacity of a magnet is very dependent on the objects properties, such as thickness, air gap between magnet and object (surface roughness, dust, welding spatter) etc.
Note: A single magnet is poor at taking up torque.

Before use:
Each lifting object must be tested so the magnet lifts its weight with 3 times safety.



The figures as follows are to be seen as indications.
Maximum lifting capacity when gripping in centre of gravity:

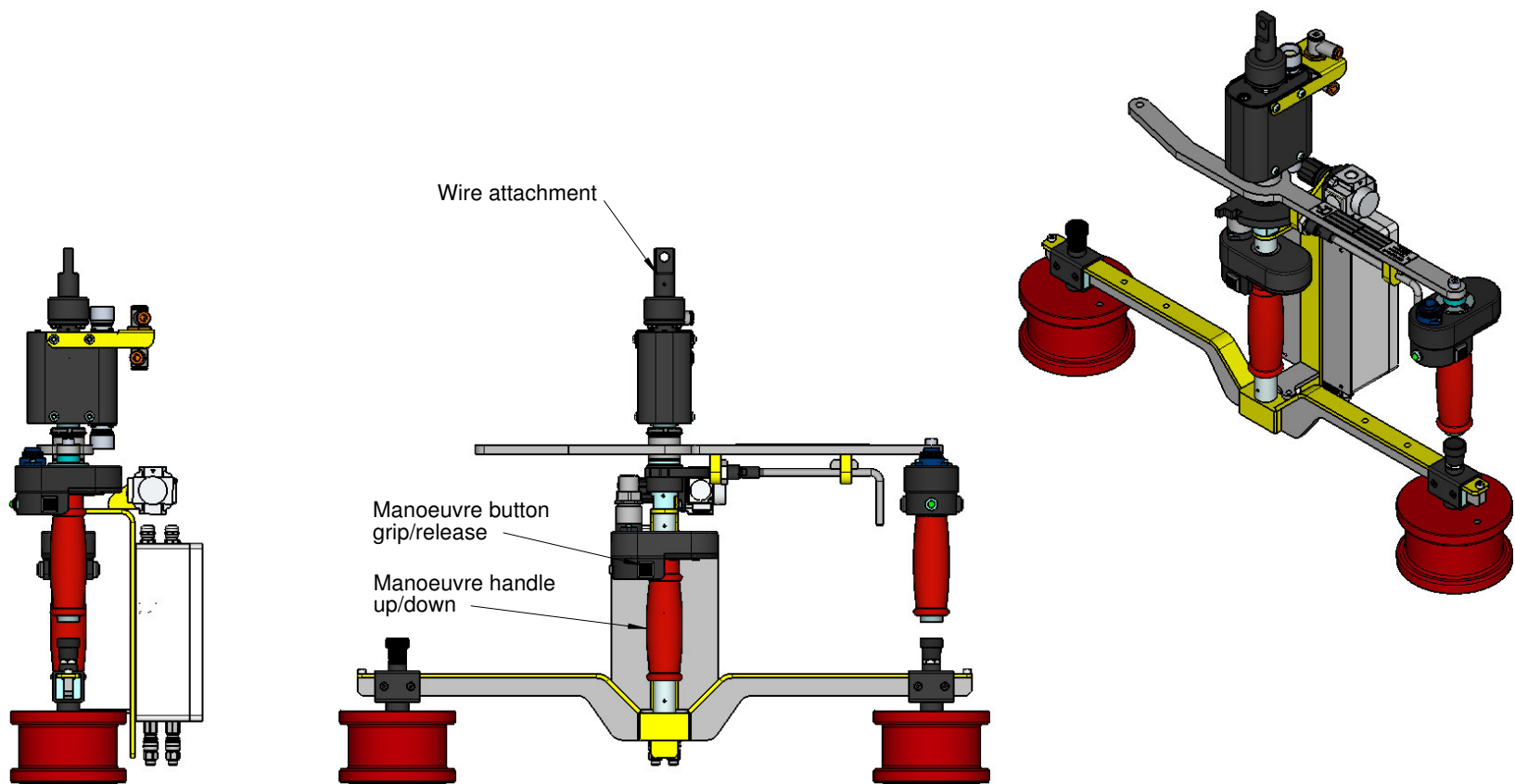
Steel plate: 15 mm 100 Kg
Steel plate: 10 mm 90 Kg
Steel plate: 8 mm 80 Kg
Steel plate: 5 mm 50 Kg.
(thickness < 15 mm, magnetism underneath the steel plate will occur).

Round steel: Ø 50-150 mm 45 Kg
Round steel: Ø 35 mm 40 kg
This magnet is not suitable for Ø <35 mm
Max length on round steel 1000 mm

Maximum temperature on lifting object 50 ° C.

Verktygsvikt:
Weight of tool: 12 Kg

		GEN.TOL. SS-ISO 2768-mK Ra 6.3				
		Circuit diagram No.				
		Replace dwg No.				
Date 2009-08-18		Assembly dwg No.	Project	Art.grp.	Format A3	Replaced by dwg No.
Creator POG	Check	Surface treatment	Scale 1:3	Sheet 1/1	Rev. 0	Drawing No. 012291 smst



Pneumatic switchable magnet.
 For handling of sheet metal plates in/out
 of press break/ laser cutting machines.
 Metal thickness 3 mm without magnetism
 under the first plate. Load up to 55 kg.
 Are available with/or without extra handle.
 Maximum metal temperature 55 °C.

Weight of gripper: 26 kg

Built-in security
 Releasing the load is only possible when the gripper is unloaded. This to prevent release by accident.

 BINAR USA A KUNDEL-BINAR PARTNERSHIP					GEN.TOL SS-ISO 2768-mk Ra 6.3	
					Circuit diagram No.	
Replace dwg No.						
Replaced by dwg No.						
Date 2008-04-24	Assembly dwg No.	Project 800	Art.grp. 260	Format A3	Drawing No. 011199	
Creator FJ	Check	Surface treatment	Scale 1:5	Sheet 1/1	Rev.	