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BETRIEBSANLEITUNG UND SICHERHEITSVORSCHRIFTEN
OPERATING AND SAFETY INSTRUCTIONS
MODE D'EMPLOI ET DE SÉCURITÉ
ISTRUZIONI PER L'USO E DI SICUREZZA

# CR 208 P

Ab Serie-Nr. 1743

From serie no 1743

A partir du no de série 1743

A partire dal no. di serie 1743

Spannapparat zum Umreifen mit Stahlband

Tensioner for steel strapping

Tendeur pour le cerclage par feuillard d'acier

Tenditore per reggiare con reggetta d'acciaio



Vor dem Gebrauch des Gerätes die Betriebsanleitung aufmerksam lesen.

Before using the tool, read the operating instructions carefully.

Avant l'utilisation de l'appareil, consultez soigneusement le mode d'emploi.

Prima d'utilizzare l'apparecchio, leggere attentamente le istruzioni per l'uso.



CE

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## 1

## TECHNICAL DATA

Weight	4,1 kg (9.25 lbs.)
Dimensions	L = 340 mm (13.5") W = 110 mm (4.35") H = 110 mm (4.35")
Tensioning force	8400 N
Tensioning speed	90 mm/s (3.5"/s)
Air pressure	max. 6 bar static
Air consumption for tensioning	6,4 NI/s (29 gal./s)
Air connection	G 1/4" (1/4" NPT)
Connection coupling	Part no 1940.306.732
Emission sound pressure levels, measurement type A (EN ISO 11202)	$L_{pA}$ 76 dB (A)
Vibrations at handle (EN ISO 8662-1)	$a_{h,w}$ < 2,5 ms <sup>-2</sup>

## STEEL STRAP

Strap width	19, 25 or 32 mm (3/4", 1" or 1 1/4")
Strap thickness	0.6–1.00 mm (.023"–.039")
Tensile strength	Up to approx. 1100 N/mm <sup>2</sup>

## ORGAPACK-SEALERS

- OR-V 40 P (single notch)
- OR-V 41 P (double notches)

## ORGAPACK-SEALS

Strap width 19 mm (3/4")	CSP 617
Strap width 25 mm (1")	CSP 717
Strap width 32 mm (1 1/4")	CSP 817

## DECLARATION OF AGREEMENT

We take sole responsibility for declaring that the tool CR 208 P, to which this declaration refers, is in full compliance with the current requirements of the guidelines laid down by the council on 22th June 1998 (98/37/EEC), "Machine Guidelines".

According to norm:  
EN 292-1, EN 292-2, EN 349, EN 983, EN 1050  
prEN 792-2

CH-8953 Dietikon, April 2001

Manager  
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M. Binder

# 2

## GENERAL INFORMATION

These operating instructions are intended to simplify familiarisation with the strapping tool and the possibilities of application for the intended purpose. The operating instructions contain important information concerning the safe, proper and efficient use of the strapping tool. Observation of the information will help to avoid danger, reduce repairs and stoppages and increase the reliability and service life of the strapping tool.

The operating instructions must always be available at the place of operation of the strapping tool. They must be read and observed by all persons concerned with work on the strapping tool. This work specifically includes operation, refilling of operating material, fault elimination and maintenance.

In addition to the operating instructions and the regulations for accident prevention effective in the country of use and place of application, the recognised technical regulations for safety and proper working must also be observed.



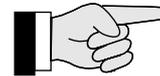
### CAUTION!

Used where there is danger to life and health.



### WARNING!

Used for danger which can cause material damage.



### NOTE!

Used for general information and information which if not followed can cause faults in the operating sequence.

### 2.1 INFORMATION ON ENVIRONMENTAL PROTECTION

This tool is manufactured without any physical or chemical substances which could be dangerous to health. For disposal of all the parts, the governmental instructions must be observed.

### 2.2 COMPRESSED-AIR CONNECTION

The air motor is lubricated by oil mist of the compressed air. Properly prepared compressed air is therefore essential for trouble-free operation of the tool. This can only be ensured by a reliably functioning maintenance unit, consisting of water separator, pressure reducing valve with pressure gauge and oil mist lubricator.

The oil mist lubricator should supply sufficient oil. The length of the hose between the CR 208 P and the maintenance unit should not exceed 5 m (15 ft). The internal diameter of the pipe should be at least 10 mm ( $\frac{3}{8}$ "). It must be ensured that the hose does not form loops, where oil can collect.

# 3

## SAFETY INSTRUCTIONS



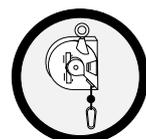
**Inform yourself!**  
Read the operating instructions carefully.



**Do not use a bottled air or gas source!**  
Do not operate this tool by using a bottled air or gas source



**Protect yourself!**  
When operating the tool, wear eye, face and hand protection (cut-proof gloves).



**Caution:**  
If work is carried out using a spring balancer, only a spring balancer that complies with the safety regulations may be used.



**Warning:**  
**Strap will snap forward!**  
When cutting the strap, hold the upper portion and stand safely away from the strap.  
**Caution:**  
The lower strap will snap forward.



**Original ORGAPACK seals must be used exclusively.**



**Warning:**  
**Strap could break!**  
Do not stand in line with the strap while it is tensioned. The strap could break!



**Original ORGAPACK spare parts must be used exclusively!**  
Not using original spare parts will dissolve the warranty and the liability.



**Caution:**  
**Danger of squeezing!**  
Do not put your fingers into the tension wheel area.

**Use for the intended purpose**

The tool is intended for strapping heavy round packages, bundles of sectional steel, pipes etc. (together with sealer).



**Caution:**  
**Only strap packed goods!**  
Do not put hands or other parts of the body between the strap and the package during the strapping process.

This tool was designed and manufactured for safe handling during the strapping operation.

The tool processes steel straps only.

**Possible misuse**

The use of plastic straps is not possible.



**Do not exceed the air pressure!**  
Do not exceed the recommended air pressure



**Use safety coupling!**  
For connecting the air hose to the tool, use only a safety coupling

# 4

## OPERATING INSTUCTIONS

### 4.1 OPERATING THE TOOL

- Draw the strap from the dispenser, slide the strap through the seal (4/1) and wind strap around the package.
- Push the strap start a second time through the seal.

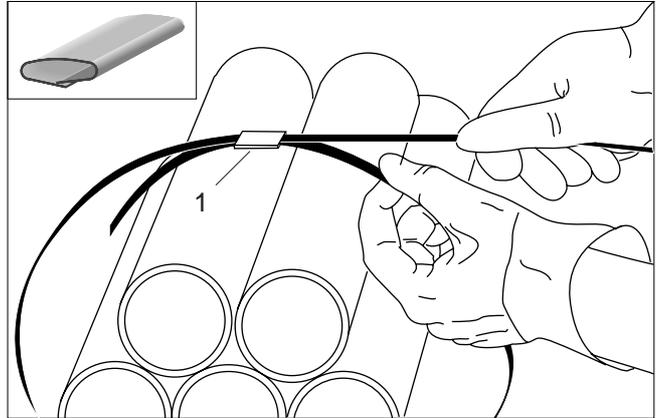


Fig. 1

- Bend the strap start below the seal 3–4 cm (1–2“).
- Pull the strap tightly by hand and take a portion of the strap leading to the dispenser with the left hand approx. 20 cm (8“) away from the seal.

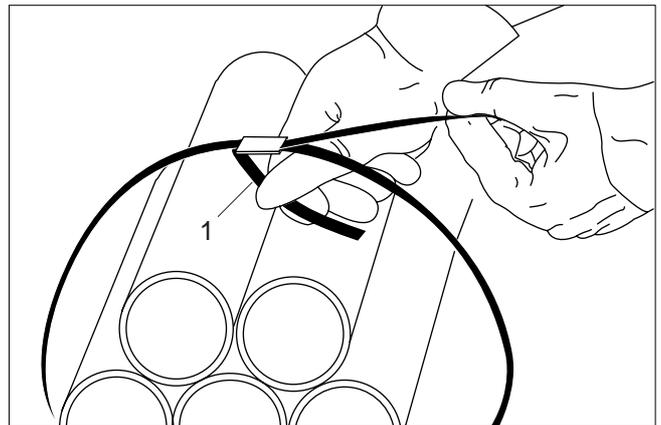


Fig. 2

- Hold the tool with the right hand and pull the motor against lever.
- Insert the strap below the feed wheel, at the same time push the tool forward against the seal.
- Release the lever.

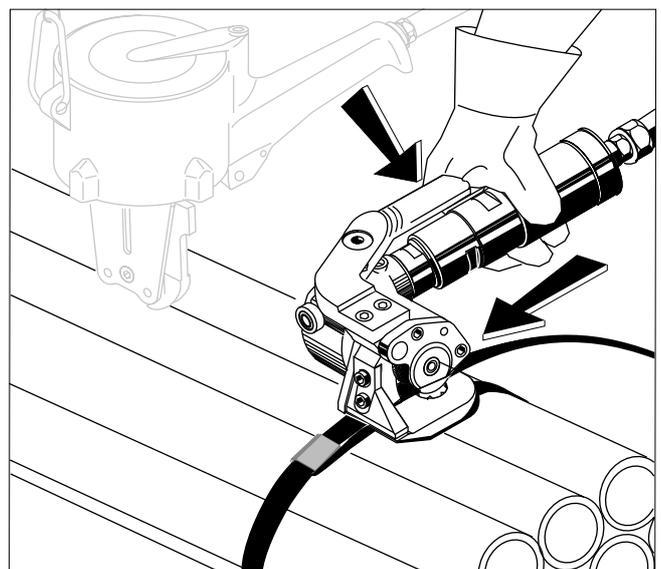


Fig. 3

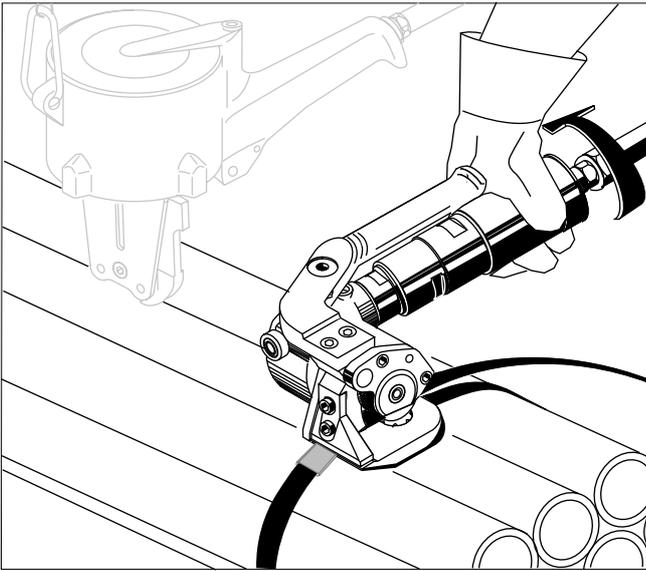


Fig. 4

### Tensioning

- Turn the knurled wheel at the rear of the air motor clockwise, the strap is tensioned. **Do not turn off the motor.**



For adjustment of strap tension (by pressure regulator on maintenance unit), see chapter 5.1.

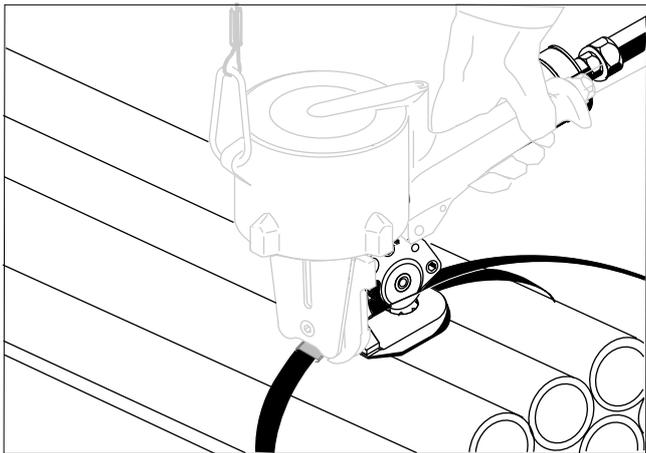


Fig. 5

### Sealing

- Seal the straps using sealer (see operating instruction OR-V 40 P/OR-V 41 P).

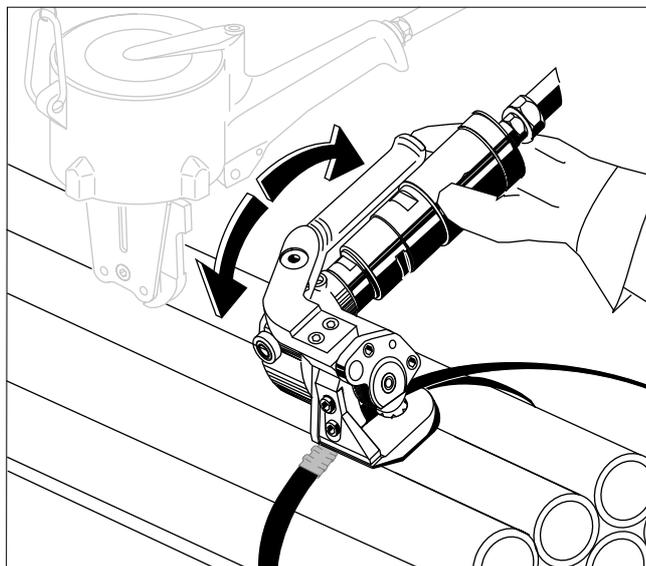


Fig. 6

### Cut off strap

- Swivel the tool CR 208 P up and down until the strap is cut off. Switch off the air motor by turning the knurled wheel counterclockwise.

# 5

## PREVENTIVE AND CORRECTIVE MAINTENANCE



The tool always has to be disconnected from the air supply, before maintenance- or repair work is performed.

### 5.1 ADJUSTING THE STRAP TENSION

The air pressure is regulated by the pressure regulator on the maintenance unit. With running air motor, the pressure should be minimum 4 bar (60 psi) and maximum 6 bar (90 psi).

### 5.3 SETTING THE CLEARANCE BETWEEN TENSIONING WHEEL AND TENSION PLUG

Space between tensioning wheel (7/2) and tension plug (7/3) must have 0,1–0,25 mm (.0039"–.0098").

- Disconnect the tool from the air supply.
- Loosen set screw (7/1).
- The space can be adjusted by turning the tension plug (7/3), with a screwdriver. For less space turn clockwise, for more space turn counterclockwise.
- Tighten set screw (7/1). The pointed head of the set screw must be located in one of the notches of the toothed plate.

### 5.2 CLEANING THE TOOL

- The tool should be regularly cleaned. The easiest way to do this, is to use compressed air and to blow out the dust (wear eye protection).

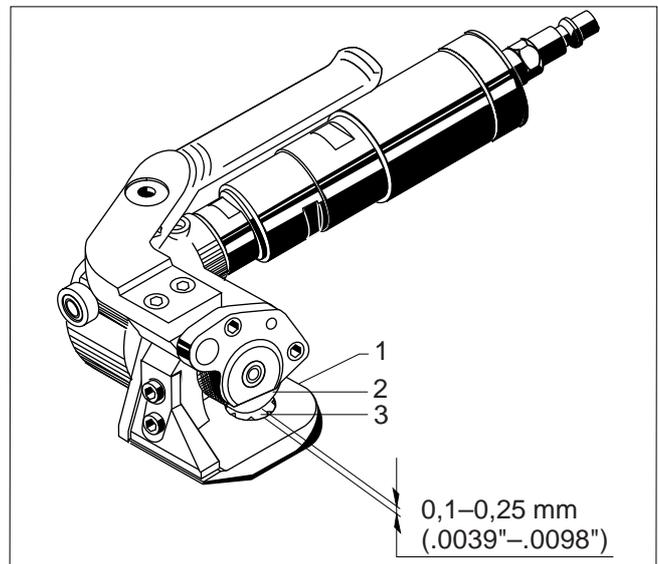


Fig. 7

### 5.4 CLEANING/REPLACING THE TENSIONING WHEEL

#### Remove

- Disconnect the tool from the air supply.
- Loosen two cylinder screw (8/1).
- Carefully remove the bearing plate (8/2) from tension shaft.
- Take off the counter washer (8/3) and the tensioning wheel (8/4). Check the tensioning wheel, clean or replace if necessary.

#### Install

- Install the parts in reverse order.

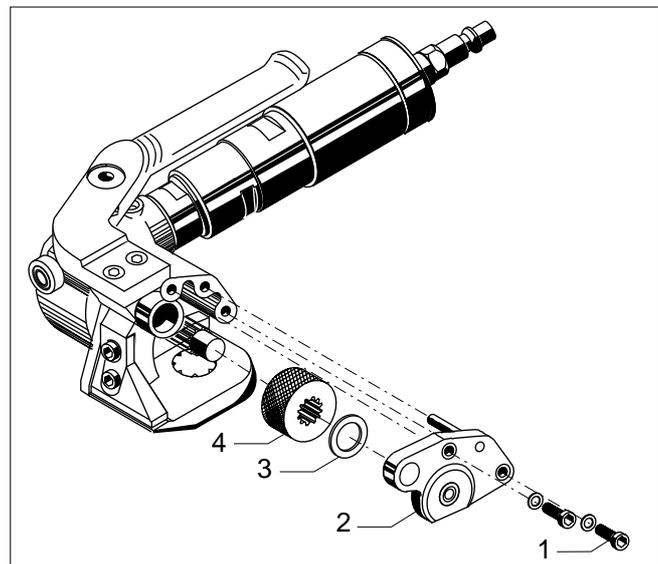


Fig. 8





## 7

## PARTS LIST AIR MOTOR 1894.425.000/1

When ordering please indicate part number and quantity

Explosion drawing see page 22

Pos.	Part no	Part name	Quantity
1	1894.425.002	Valve housing	1
2	1894.425.011	Gear housing (Rear side)	1
3	1894.432.026	Silencer	1
4	1894.432.027	Mesh screen	1
5	1894.432.005	Ball bearing	1
6	1894.432.004	Bearing plate rear	1
7	1894.432.006	Pin	1
8	1894.432.003	Cylinder	1
9	1894.422.001	Rotor	1
10	1894.422.002	Blade	5
11	1894.432.002	Pin	1
12	1894.432.009	Bearing plate front	1
13	1894.432.001	Ball bearing	1
14	1894.432.013	Disc	1
15	1894.432.021	Ball bearing	4
16	1894.332.015	Shaft	2
17	1894.332.016	Needle cage	2
18	1894.422.003	Planetary wheel	2
19	1894.422.004	Planetary cage	1
20	1894.432.025	Threaded bushing	1
21	1894.432.024	Saucer spring	2
22	1894.432.017	Shaft	2
23	1894.332.024	Bearing needle	32
24	1894.432.016	Planetary wheel	2
25	1894.432.018	Planetary cage	1
26	1894.432.023	Gear housing (Front side)	1
27	1894.432.020	Gasket	1
28	1894.432.022	Front part	1
29	1894.324.005	Air connection	1
30	1894.425.005	O-Ring	2
31	1894.425.006	Spacer ring	1
32	1894.425.008	Operating ring	1
33	1894.425.007	Spring washer	1
34	1894.425.004	Pin	1
35	1894.324.008	O-Ring	1
36	1894.425.009	O-Ring	1
37	1894.425.003	Valve	1
38	1894.324.003	Compression spring	1
39	1894.324.001	O-Ring	1
40	1894.324.002	Locking screw	1

