

pinza e tenditore pneumatici / pneumatic tensioner and sealer



libretto d'istruzione - uso /

instruction manual - use

modelli / models : TTP / PP SGT

CE

joint system

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1 Technical Data TTP

Weight:	5,0 kg
Dimensions:	l = 320 mm w = 120 mm h = 140 mm
Max. air pressure:	6 bar
Tensioning force:	8000 N
Air consumption:	0,6 m ³ /min

Steel strap

Strap widths:	19, 25, 32 mm
Strap thickness:	0,8 – 1,0 mm
Sealing sleeves:	overlap

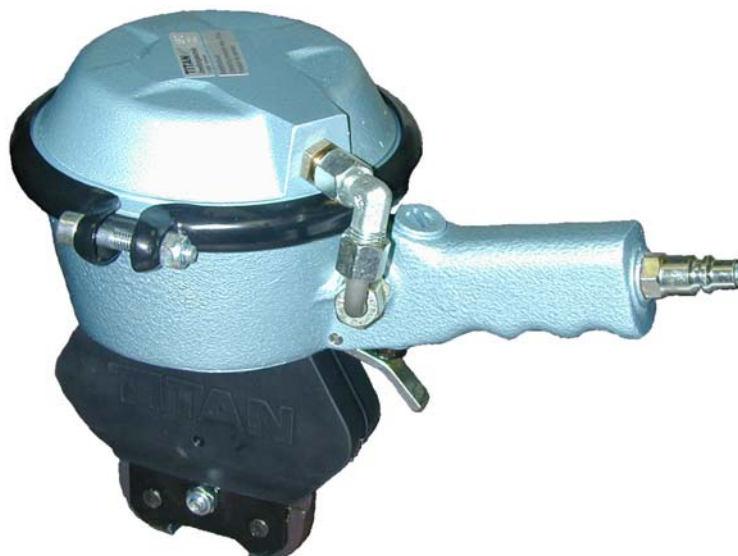


2 Technical Data PPSGT

Weight:	3,3 kg
Dimensions:	l = 300 mm w = 210 mm h = 240 mm
Max. air pressure:	6 bar
Seal:	overlap
Sealing sleeves:	overlap

Steel strap

Strap widths:	19, 25, 32 mm
Standard quality	
Strap thickness:	0,8 – 1,0 mm
Tensile strenght:	to approx. 900 N/mm ²
High strenght quality	
Strap thickness:	0,8 mm
Tensile strenght:	to approx. 1100 N/mm ²



3 GENERAL

These operating instructions are meant to facilitate becoming familiar with the units and their intended use. These operating instructions include important notes on how the units can be exploited safely, in a technically-competent way and economically. Meeting instructions helps avoid risks, reduce repairs and downtimes and increase the reliability and life of the units.

These operating instructions must be available at the location of the units. They must be read and used by all persons working with the units. Those works especially include operation, troubleshooting and maintenance.

Apart from the operating instructions and the regulations for the prevention of accidents applicable in the user's country and at the place of location the acknowledged rules for safety-related and technically competent working have to be observed.



Caution!

Is used in case of risks of life and health.



Attention!

Is used in case of risks which might cause damage to objects.



Note!

Is used for general notes as well as such whose disregard might occur in the operational process.

3.1 NOTE ON ENVIRONMENTAL PROTECTION

No substances detrimental to health, physical or chemical substances are used for the manufacture of the units. Waste disposal is subject to the applicable legal regulations.

4 Safety regulations

Intended use

These units are meant for the strapping of packages and loads on pallets. The units were developed and constructed for safe handling during strapping operations. The units are meant for strapping operations with steel strap for packing.

Potential abuse

Strapping operations with plastic strap is not allowed with these units.

Applied standards and specifications:

"Machine safety" DIN EN ISO 12100-1, DIN EN ISO 12100-2
pr DIN EN 1010 "Safety-related requirements to be met for the design and construction of printing and paper processing machinery" (7.93)



Inform yourself!

Carefully read the operating instructions before the use of the unit.



Caution:

Risk of squeezing!

Do not let your fingers get in the area of the tensioning wheel.



Protect yourself!

Wear eye, face and hand protection (cut-resisting gloves) during working.



Attention: Only strap packing items!

During strapping operations no hands and other parts of the body may get between the strap and the packing item.



Attention:

Strap may tear!

Strap may tear during tensioning! Do not stand in the line of the strap.



Attention!

Never let your fingers get into the sealing area!

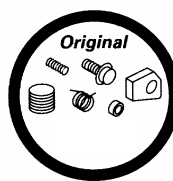


Strap snaps open!

When cutting the strap hold the upper part and stand aside.

Attention:

The lower part of the strap will snap upwards.



Only use original Joint System-spare parts!

The use of spare parts not made by js excludes guaranteed performances and liability.

5 Operation

5.1 Checking machines and tools before commissioning:

Before any new application it is required that the units and their attachments are checked for damage and completeness. (Hoses – air supply) for firm seat. Exclusively use original Joint System spare parts (also see section 4).

5.2 Commissioning

Connect hand-held units TTP and PPSGT to the compressed air network (max. air pressure 6.5 bar).

Motor and compressed air cylinders are lubricated by the oil mist of the compressed air. Faultlessly prepared compressed air is therefore a prerequisite for a problem-free operation of the units. This can only be met by a functionally safe 3/8" maintenance unit comprising water separator, pressure reducing valve including pressure gauge and oiler.

The oiler must discharge sufficient oil, approx. 1 drop per strapping. The length of the hose should not exceed 5 m. The inner diameter of the hose should – as a minimum – be 8 mm. Attention should be paid that the hose does not form loops in which oil could be collected.

Choice of the lubricating oil: resin- and acid-free lubricating oil whose viscosity is 2-4° E at 50°.

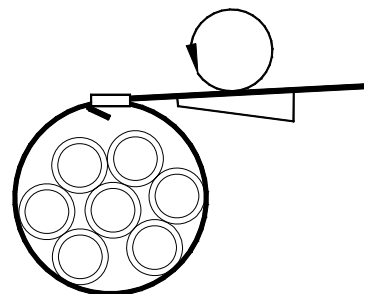


Attention! max. operating pressure 6,5 bar

Attention! Risk of tearing strap!

The strap can tear when the operating pressure of 6.5 bar is exceeded. Tearing strap can result in injuries to the operator.

SKETCH: Course of strap



5.3 Handling TTP and PPSGT

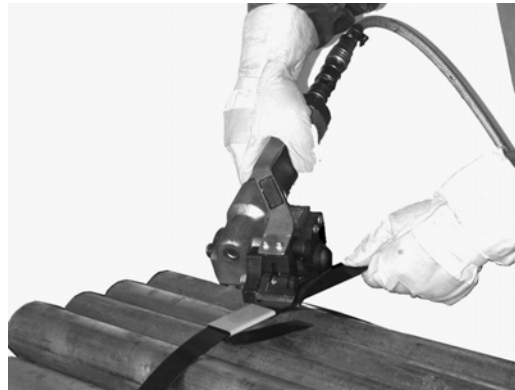
1.

Pull steel strap out of the dispenser through the sealing sleeve and put it around the packing item. Again slip the beginning of the strap through the the sealing sleeve and bend it.



2.

Take the jack (TTP) in your right hand and open it by pressing the lever. Then slip it on the steel strap from the right to the left acc. to the photo. Release the lever and tension the steel strap by turning the turning valve to the left. The tension of the strap desired (max. 6.5 bar) is achieved by the control of the air pressure on the pressure gauge of the maintenance unit.



3.

Pneumatic sealing tongs Position (PPSGT) on the sealing sleeve (as shown in the photo) and notch the sealing sleeve by the actuation of the locking lever. Repeat this operation at least once. During the sealing operation the air feed at the tensioning jack must not be stopped (tensioning jack is without self-locking device).



4.

Upon completion of the seal deposit the locking device and tilt the jack, as shown in the photo, upwards until the steel strap breaks before the sealing sleeve. Again, the air supply must not be stopped. Then, turn off the air feed and separate the tension jack from the steel strap again by pressing the lever.



6 Maintenance Instructions

6.1 Compressed air port

The maximum distance between the compressed air port and the location of the strapping unit should not exceed 5 m. Operation without oiler is possible, but the use is reasonable for the life of the units.

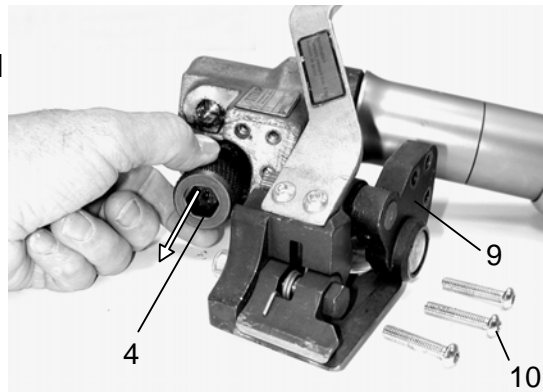
It is recommended that the maintenance unit comprising 2 air outputs and made by Joint System company is used.

6.2 Cleaning and maintenance

Dirt and abrasion impair the function of the units. Therefore, all units should be air-cleaned with compressed air in the area of the strap guidance, notching cutters, tensioning wheel and joints after being used and, following that, be wetted with resin-free thin **spray oil**.

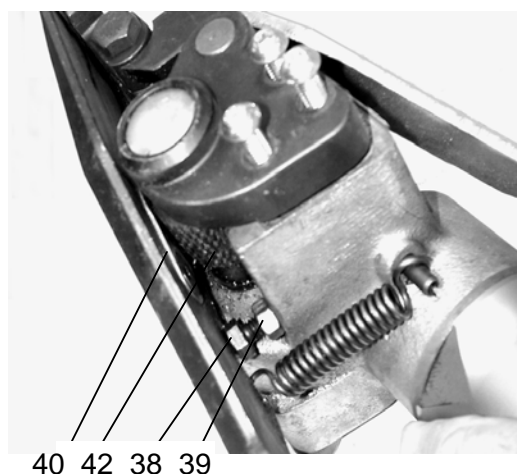
6.3 Change of the tensioning wheel

Loosen the 3 fastening screws (10) and remove the bearing plate (9). The tensioning wheel (42) can be accessed and removed from the transport shaft. Mounting in reverse order.



6.4 Setting the clearance

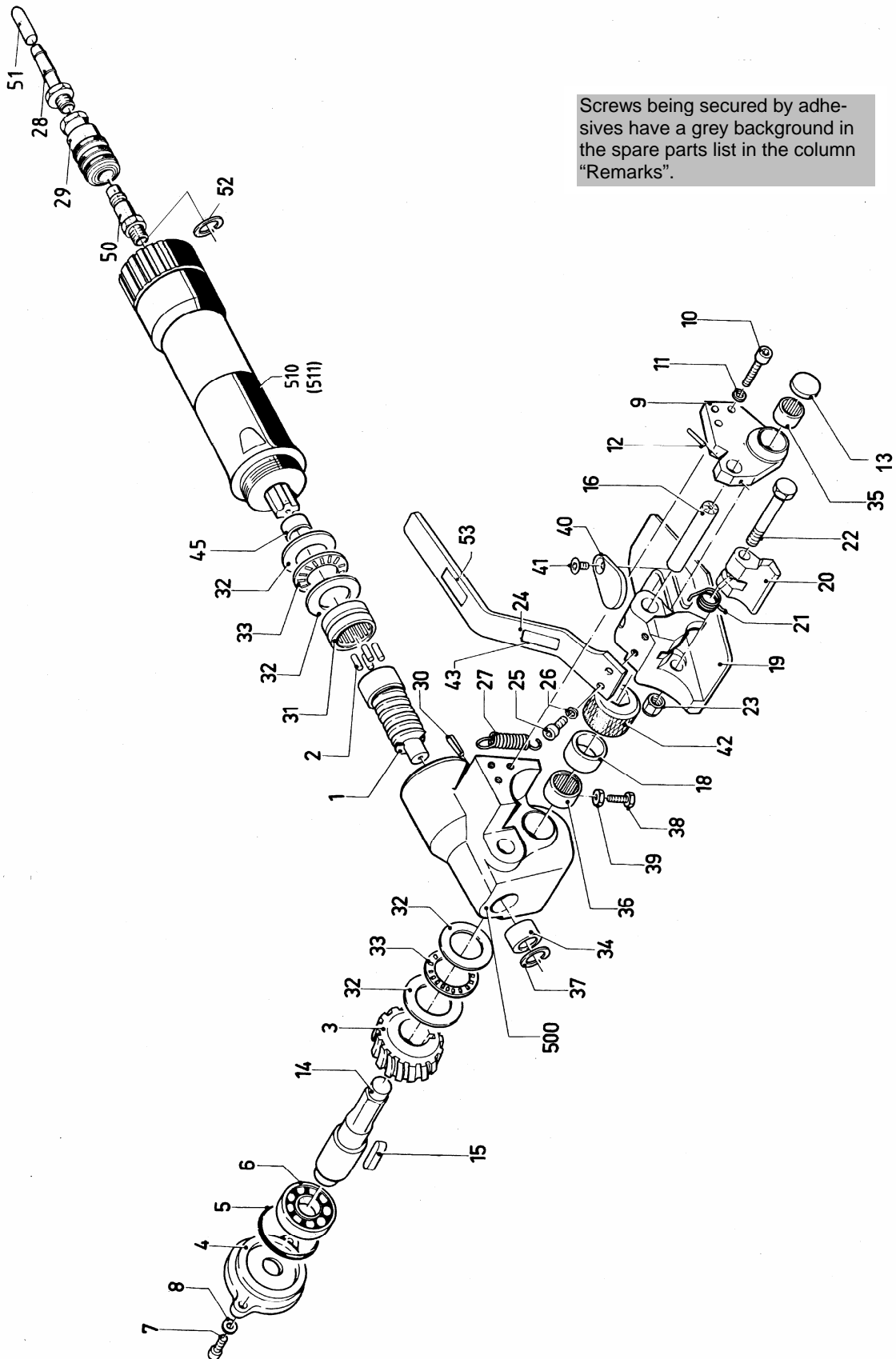
After the installation of the new tensioning wheel (42) the clearance between wheel and guide plate (40) must be checked and, if required, readjusted. Setting is performed by means of the setting screw (38). For that purpose, loosen the counter nut (39). The clearance between the tensioning wheel and the guide plate should be 0,2 mm.



7 Spare parts list TTP

Item no.	Order no.	Name	Dimensions	DIN	Pcs.	Remarks
1	4548001 - 1	Worm			1	
2	4548001 - 2	Dowel pin	4m6 x 12	6325	4	
3	4548001 - 3	Worm wheel			1	
4	4548001 - 4	Gear cover			1	
5	4548001 - 5	O-ring seal	45 x 1,5 B	3770	1	
6	4548001 - 6	Deep-groove ball bearing	16003	625	1	
7	4548001 - 7	Cheese-head screw	M6 x 16	6912	3	Loctite 242
8	4548001 - 8	Tension washer	S6	Schnorr	3	
9	4548001 - 9	Bearing plate			1	
10	4548001 - 10	Cheese-head screw	M6 x 25		3	Loctite 242
11	4548001 - 11	Tension washer	S6	Schnorr	3	
12	4548001 - 12	Clamp sleeve	3 x 20	1481	1	
13	4548001 - 13	Sealing washer	20	470	1	
14	4548001 - 14	Conveyance shaft			1	
15	4548001 - 15	Key	A6 x 6 x 20	6885	1	
16	4548001 - 16	Pintle			1	
18	4548001 - 18	Distance sleeve			1	
19	4548001 - 19	Tension element			1	
20	4548001 - 20	Articulated rail			1	
21	4548001 - 21	Leg spring			1	
22	4548001 - 22	Fitted bolt	M8 x 55	609	1	
23	4548001 - 23	Nut	M8	985	1	
24	4548001 - 24	Sprue			1	
25	4548001 - 25	Cheese-head screw	M6 x 12	912	2	Loctite 242
26	4548001 - 26	Tension washer	S6	Schnorr	2	
27	4548001 - 27	Tension spring			1	
28	4548001 - 28	Beak	G 3/8" PK 9		1	Loctite 242
29	4548001 - 29	Quick-acting coupling	ARO	G 3/8"	1	
30	4548001 - 30	Clamp sleeve	5 x 24	1481	1	
31	4548001 - 31	Needle bearings	NK 2616		1	
32	4548001 - 32	Wave washer	WS 81104		4	
33	4548001 - 33	Axial needle collar	AXK 2035		2	
34	4548001 - 34	Needle bush	DLF 1212		1	
35	4548001 - 35	Needle bush	DL 1312		1	
36	4548001 - 36	Needle bush	DLH 1816		1	
37	4548001 - 37	Circlip	18 x 1	472	1	
38	4548001 - 38	Hexagon bolt	M6 x 20	933	1	
39	4548001 - 39	Nut	M6	934	1	
40	4548001 - 40	Guide plate			1	
41	4548001 - 41	Counter sunk screw	M6 x 10	7991	1	
42	4548001 - 42	Idler			1	
44	4548001 - 44	Groove pin			2	
45	4548001 - 45	Centering bush			1	
46	4548001 - 46	Turning sleeve	444392		1	
50	4548001 - 50	Coupling plug	ARO	G 1/4"	1	Loctite 242
51	4548001 - 51	Cap	D-11 x 20	PVC	1	
52	4548001 - 52	Distance washer			1	
53	4548001 - 53	Operating pressure plate			1	
500	4548001 - 500	Gearbox			1	
510	4548001 - 510	Compressed air motor	520G5 RDS		1	
511	4548001 - 511	Compressed air motor	520G5 RDS		1	Austausch

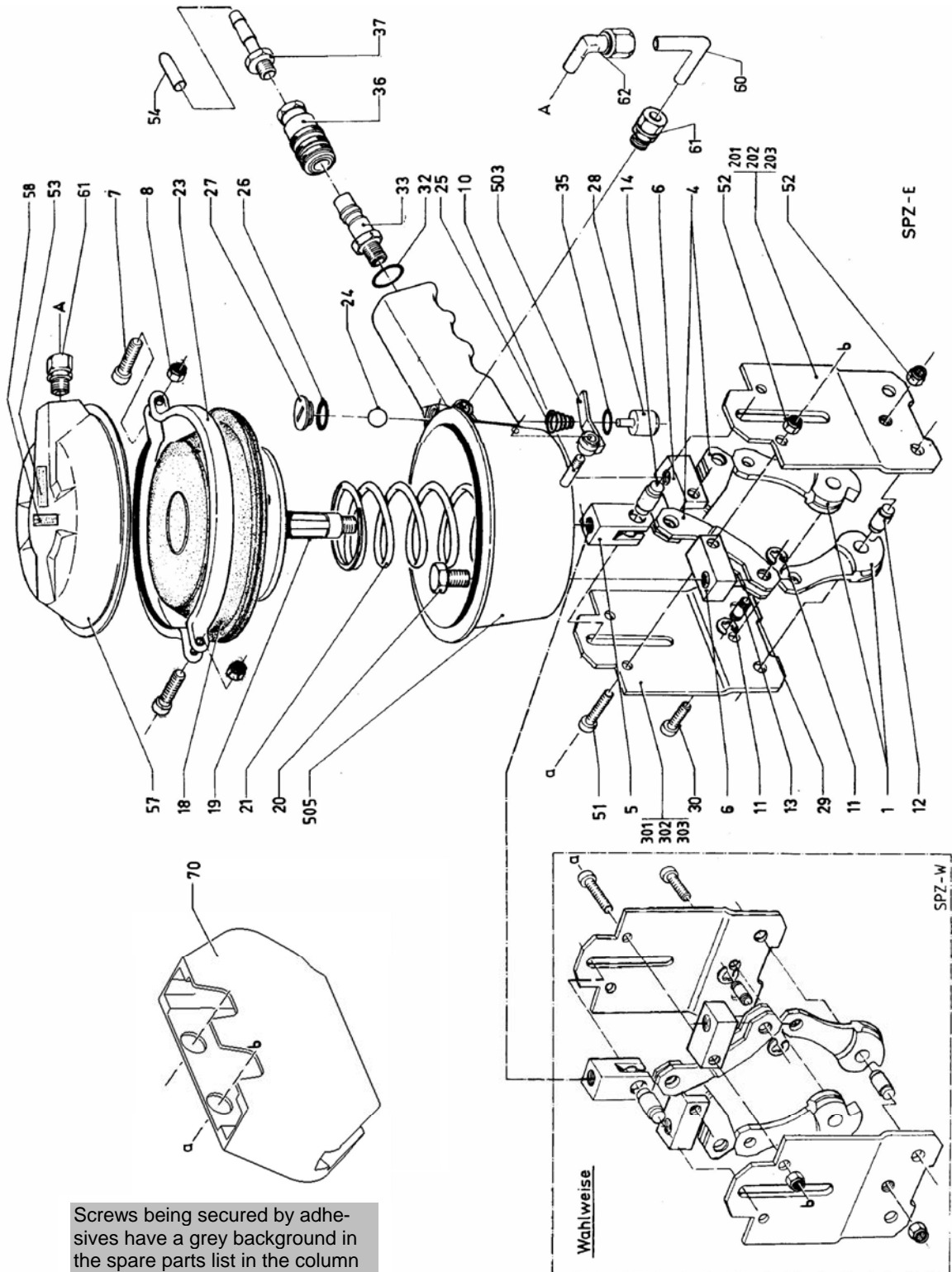
7.1 Exploded view TTP



8 Spare parts list PPSGT

Item no.	Order no.	Name	Dimensions	DIN	Pcs.	Remarks
1	3638002 - 1	Screw die			2	
4	3638002 - 4	Articulated lever			2	
5	3638002 - 5	Swivel head			1	
6	3638002 - 6	Plate fastening			2	
7	3638002 - 7	Cheese-head screw	M8 x 45	912	2	
8	3638002 - 8	Nut	M8	985	2	
10	3638002 - 10	Headless screw	M6 x 30	427	1	Loctite 242
11	3638002 - 11	Plate	7	6799	4	
12	3638002 - 12	Tong head pivot			2	
13	3638002 - 13	Swivel head pivot			2	
14	3638002 - 14	Swivel head pivot			1	
18	3638002 - 18	Diaphragm	GMB 156,4		1	
19	3638002 - 19	Piston			1	Loctite 242
20	3638002 - 20	Hexagon bolt	M12 x 30	933	2	
21	3638002 - 21	Pressure spring			1	
23	3638002 - 23	Strap half			2	
24	3638002 - 24	Ball	13		1	
25	3638002 - 25	Pressure spring			1	
26	3638002 - 26	O-ring seal	OR 14 x 2		1	
27	3638002 - 27	Seal	V - 105.1		1	
28	3638002 - 28	Valve pivot			1	
30	3638002 - 30	Cheese-head screw	M8 x 30	912	1	
32	3638002 - 32	Gasket	14 x 20 x 1,5		1	
33	3638002 - 33	Coupling plug	1/4"		1	Loctite 242
35	3638002 - 35	O-ring seal	OR 16 x 1,5		1	
36	3638002 - 36	Quick acting coupling	3/8"		1	
37	3638002 - 37	Beak	R 3/8" PK9		1	Loctite 242
51	3638002 - 51	Cheese-head screw	M8 x 40	912	2	
52	3638002 - 52	Nut	M8	985	3	
53	3638002 - 53	Operating pressure plate			1	
54	3638002 - 54	Cap	11 x 20		1	
57	3638002 - 57	Cylinder cover			1	
60	3638002 - 60	Elbow			1	
61	3638002 - 61	Straight male stud coupling	GE 8 LR 1/4"		2	Loctite 242
62	3638002 - 62	Adjustable angle	EVW 8-L		1	
70	3638002 - 70	Guard rubber			1	
201	3638002 - 201	End plate with thread			1	32 mm Band
202	3638002 - 202	End plate with thread			1	25 mm Band
203	3638002 - 203	End plate with thread			1	19 mm Band
301	3638002 - 301	End plate without thread			1	32 mm Band
302	3638002 - 302	End plate without thread			1	25 mm Band
303	3638002 - 303	End plate without thread			1	19 mm Band
503	3638002 - 503	Angled lever			1	
505	3638002 - 505	Lower part of casing, cpl.			1	

8.1 Exploded view PPSGT



Dichiarazione di conformità

Déclaration de conformité / Declaración de conformidad / Konformitätserklärung / Declaration of Conformity / Conformiteitsverklaring / Försäkran om överensstämmelse / Declaração de conformidade

la sottoscritta / le soussigné / el que subscribe / der Unterzeichnete / the undersigned / ondergetekende / untertecknad / os que se subscrevem:

sossella sas joint system via volvera , 123 - 10090 bruino (to) – italia

certifica che il prodotto qui sotto indicato, nel modello da noi commercializzato, è conforme alle direttive CE nonchè agli standard di sicurezza e agli standard relativi ai singoli prodotti.

declare que la machine designée ci-dessous est conforme aux dispositions de la directive "machines mudiées et aux législations nationales la transposant. / declara bajo su propia responsabilidad que la presente mercancía, objeto de la presente declaración, cumple con todas las exigencias de las normas de la Comunidad Europea, en lo que a normas técnicas, de homologación y de seguridad se refiere. / bestätigt, daß das nachfolgend bezeichnete Gerät in der von uns in Verkehr gebrachten Ausführung die Anforderungen EG-Richtlinien, EGSicherheitsstandards und produktspezifischen EG-Standards erfüllt. / hereby certifies that, when leaving our factory, the product indicated below is in accordance with the EEC guidelines, EEC standards of safety and product-specific EEC standards. / bevestigt, dat het volgende genoemde apparaat in de door ons in de handel gebrachte uitvoering voldoet aan de eis van, en in overeenstemming zijn met de EG-richtlijnen, de EG-veiligheids-standaard en de voor het produkt specifieke EG-standaard. / försäkras härmed att nedan nämnda produkter överensstämmer med EEC:s riktlinjer, ECC:s säkerhetsstandard och EEC:s produktspecifikation. / por este meio certifacamos que ao saírem da fábrica, o aparelho abaixo mencionado cumprem tanto ne execução com as exigências das directrizes harmonizadas da CEE, com os parâmetros de segurança standard da CEE e, com os parâmetros específicos de produção por nós.

Descrizione del prodotto

Description of the product
Description du produit
Descripción de la mercancía
Bezeichnung der Gerät
Omschrijving van het apparaat/de apparaten
Produkt
Descrição do aparelho

tenditore pneumatico

pneumatic tensioner pneumatic sealer

Modello:

Model:
Modèle:
Modelo:
Modell:
Model:
Modell:
Modelo:

TTP PPSGT

Numero di matricola:

Serial Number:
Numéro de matricule:
Número de matrícula:
Matrikel Nummer:
Serie nummer:
Serie nummer:
Numero de matrícula:

.....

direttive CE:

EEC guidelines:
directives europeennes:
normas CE:
EG-Richtlinien:
EG-richtlijnen:
directrizes da CEE:

2006/42/CE
2002/96/CE-2003/108/CE
2004/108/CE

Norme armonizzate :

Harmonized Standards:
Normes harmonisé :
Normas armonizadas :
Harmonisierte Normen :
Geharmoniseerde Normen :
Normas armonizadas

UNI EN ISO 12100-1 UNI EN ISO 14121-1
UNI EN ISO 12100-2 CEI EN 60204-1
UNI EN ISO 13857 UNI EN 415-8 – Appendix A
UNI EN ISO 13850
UNI EN ISO 13849-1
UNI EN ISO 13849-2

accessori di supporto alla reggiatura

migliorano la produttività e l'efficienza

Attrezzatura ed accessori per supportare ed agevolare le attività di reggiatura. I prodotti joint system garantiscono alte prestazioni in termini di qualità e durata nel tempo.

gruppi trattamento aria

Tutti gli attrezzi pneumatici della joint system vengono forniti con l'innesto rapido. Un filtro-regolatore e lubrificatore è indispensabile per tutte le reggiatrici pneumatiche. Gruppi filtro, tubo spiralato e connettori d'aria sono disponibili per l'ottimizzazione delle vostre operazioni.



bilanciatori

Il bilanciatore rende più facile ed efficiente l'utilizzo degli apparecchi manuali, soprattutto quelli più pesanti. Può essere utilizzato su gru a mensola, a colonna e su carrelli dispensatori con supporto a bandiera, agevolando le operazioni di reggiatura.



dispensatori per reggetta in acciaio o plastica

joint system è in grado di offrire il dispensatore ideale per ogni tipologia di reggetta e per ogni fabbisogno particolare dell'operatore. La costruzione robusta ne garantisce una lunga durata anche in condizioni estreme. Il design ergonomico agevola la posizione durante il lavoro e facilita il cambio della bobina.



cesoie

La reggetta tensionata, in plastica o in acciaio, è facilmente rimovibile tramite l'utilizzo delle cesoie di sicurezza joint system. La gamma comprende anche cesoie con leve lunghe per facilitare il taglio della reggetta anche in situazioni estreme.



La gamma di prodotti jointsystem®

Reggiatrici
per reggetta d'acciaio e plastica

Reggiatrici automatiche e teste
Per reggetta d'acciaio e plastica

Sistema per balle
Reggetta acciaio e plastica

Crimp system (rizzaggio)

Reggetta
d'acciaio e plastica

Sigilli

Accessori per la reggiatura

The jointssystem® range of products

Strapping tools
for steel and plastic strap

Strapping machines and heads
for steel and plastic strap

Baling systems
steel and plastic strap

Crimp systems

Strap
Steel and plastic

Seals

Accessories

La gamme de produits jointssystem®

Appareils de cerclage
pour feuillard d'acier et plastique

Machines et têtes de cerclage pour
feuillard d'acier et plastique

Systèmes de cerclage de balles
feuillard d'acier et plastique

Systèmes crimp

Feuillard d'emballage
acier et plastique

Chapes

Accessoir

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