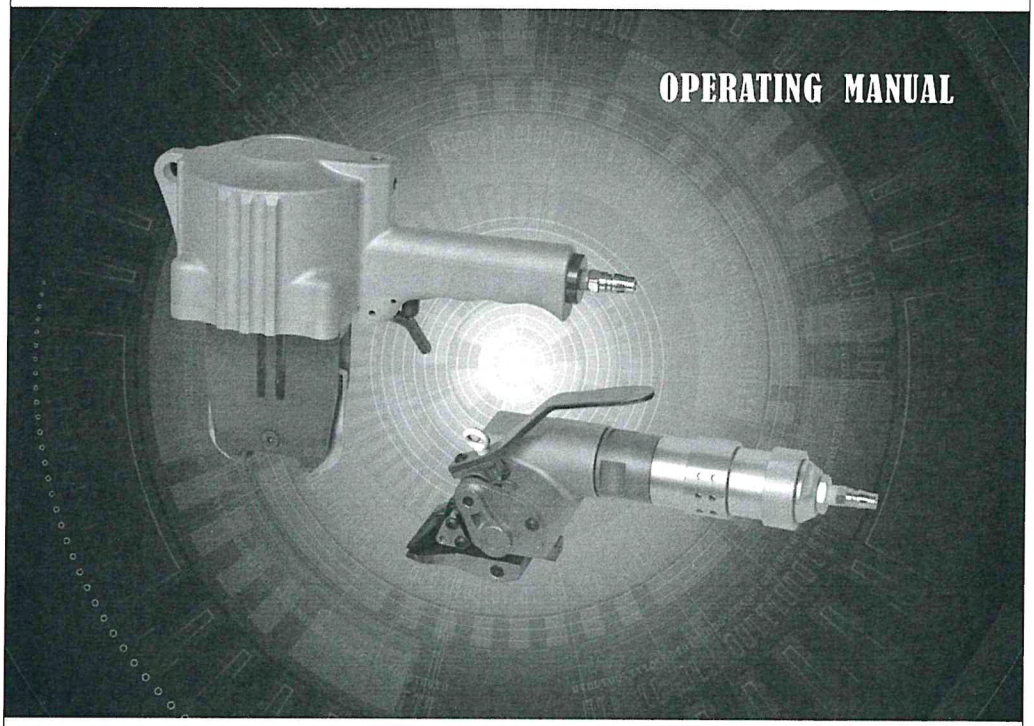
SEPARATE PNEUMATIC STRAPPING TOOLS



Model EP-1680 Pneumatic Tensioning Tool

Model EP-1980 Pneumatic Sealing Tool

CONTENTS

1. THE MACHINE USES AND CHARACTERISTICS

The Model EP-1680 Pneumatic tensioner tool and model EP-1980 Pneumatic Sealer tool are the latest designs for the use of Packing, All operations are air ponered, The packing operations as a whole consists of tensioner and breaking, In Order to Perform this operation, the EP-1680 must be used together with EP-1980 .

They combine the advantages of light weight simplicity of operation, quickly pack safety, easy to move, They can be used for packing different kinds of material, such as crate, tubular product, shape steel, rebar. ingot and large article, They are ideal tools for standardized package.

2. SPECIFICATION

Model EP-1680 Pneumatic tensioner tool

Air Pressures	0.49~0.63Mpa
Tensioning speed (with no load)	85mm/sec
Strap tension	8.5KN
Weight	4.1Kg
Steel starp to be used	32 × (0.8~1.2)mm

Model EP-1980 Pneumatic sealer tool

Air Pressures	0.49~0.63Mpa
Weight	3.1Kg
Double clip endurance	15KW
Steel starp to be used	32 × (0.8~1.2)mm

3. OPERATION INSTRUCTION

Fig 1

1: The strap is through a seal, around the package to be strapped and then through the seal again, bend strap away from seal at about 50mm. Fig 1

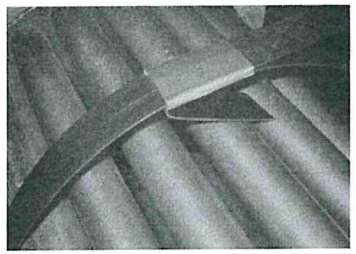


Fig 2

2: Hold the motor body, press handle with thumb, insert the top strap (which in the seal) into tighten wheel and idler wheel, and then release the handle. Fig 2

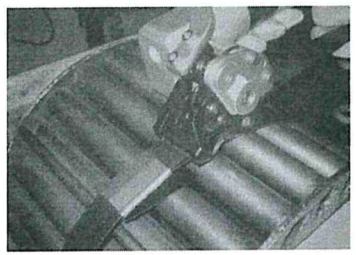


Fig 3

3: The end of motor, rotating ring, with three grades (stop, semi- operate, operate). Turn the rotation ring clockwise, rotating tighten wheel make strap tension, when strap tightened enough, tighten wheel stop rotating, but rotation ring still at operate grade. Fig 3

Fig 4

4: Place EP-1980 pneumatic sealer on the seal, press switch handle to form the joint. Fig 4

Fig 5

5: When the joint is completed, by tilting pneumatic sealer up vertical position until the strap to break. Then turn rotation ring to stop grade. Fig 5

4. MATTERS NEEDING ATTENTION

1. Fill the lubricator with 22# steam turbine oil to keep a quantity of lubricating oil in the motor and the cylinder when the motor is running. The oil must drop through the lubricator at a rate of 40 drops to 60 drops per minute anymore, if some drops 20g can be filled into the tool directly before daily operation, the operation will be successful. Clean the lubricator and the filter with kerosene at least one time in six months during operation.

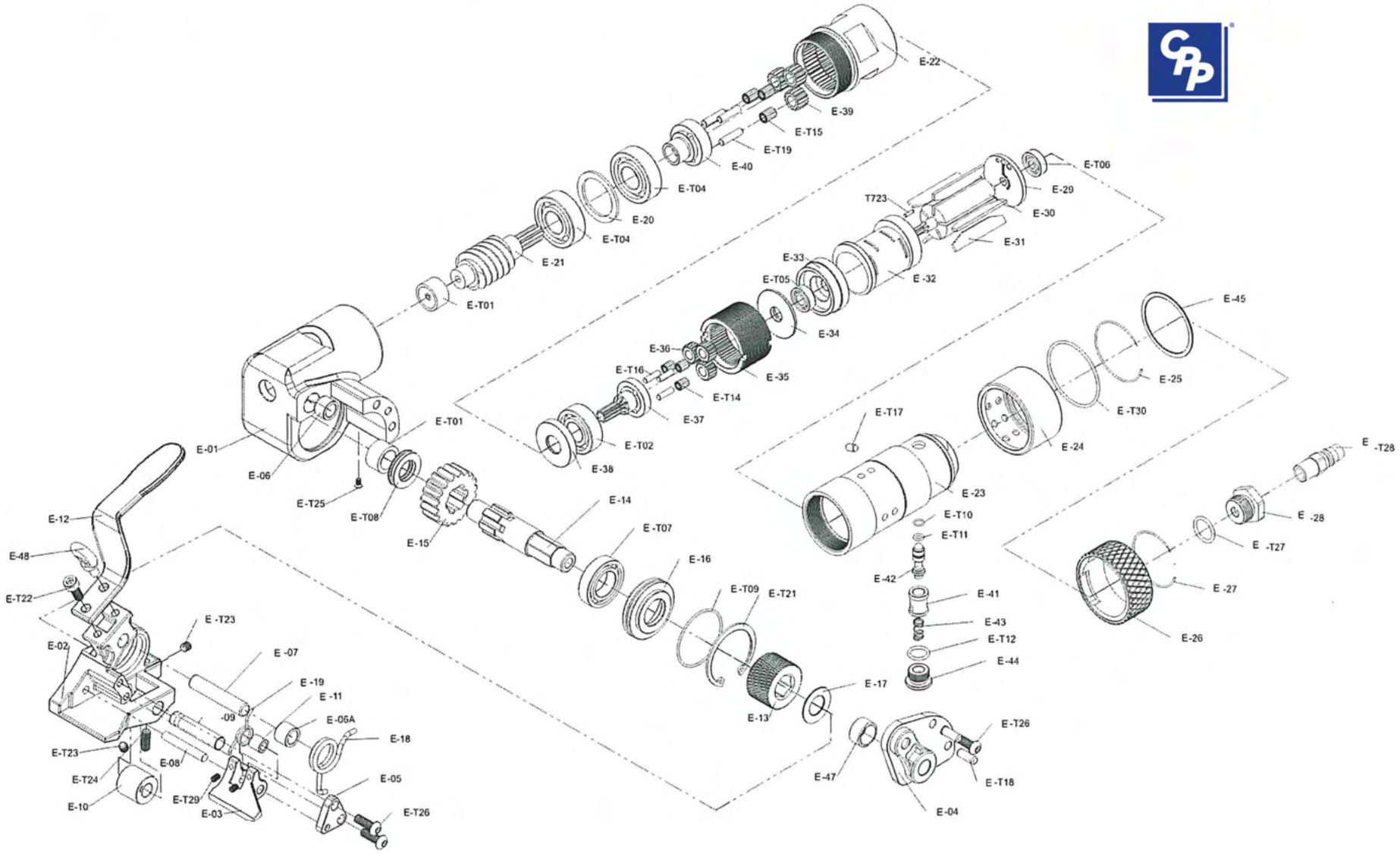
2. Adjusting the air pressure within the range of 0.49Mpa to 0.63Mpa to obtain enough air pressure, otherwise, the bundling quality will be affected.

3. Be careful of the interval which is from 0.1mm to 0.3mm between the tension wheel and the idler wheel, otherwise, it should be adjusted.

4. During the operation, keep a quantity of lubricating oil in turning or rolling parts. Eliminate the iron filings on the feedwheel in time.

5. Check the filter and the regulating valve regularly. Drain the water from the filter daily.

5. MODEL EP-1680 PARTS ASSEMBLY



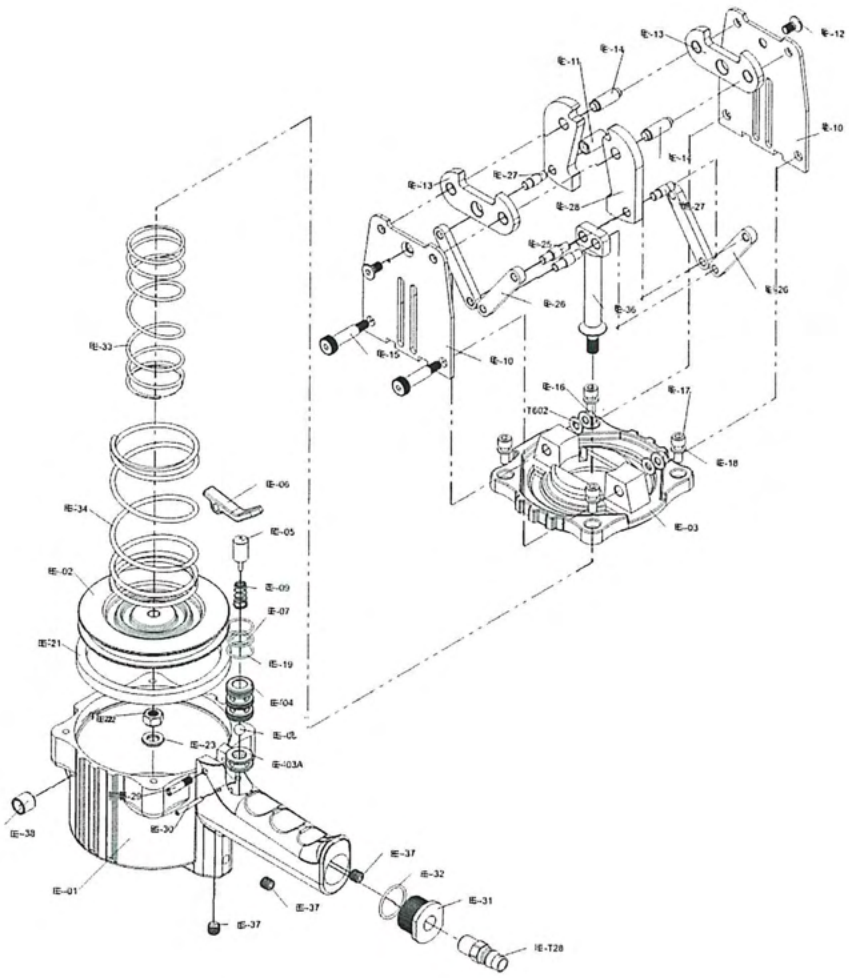
6. MODEL EP-1680 PNEUMATIC TENSIONER TOOL PARTS LIST

Item No.	Drawing No.	Description	Ratio
E1680-01	E-01	Decelerator	1
E1680-02	E-02	Base	1
E1680-03	E-03	Cutter body	1
E1680-04	E-04	Front side panel	1
E1680-05	E-05	Blade clamp	1
E1680-06	E-06	Bush-1	1
E1680-06A	E-06A	Bush-2	1
E1680-07	E-07	Pin-1	1
E1680-08	E-08	Pin-2	1
E1680-09	E-09	Pin-3	1
E1680-10	E-10	Idler wheel	1
E1680-11	E-11	Spring bushing-1	1
E1680-12	E-12	Handle	1
E1680-13	E-13	Tighten wheel	1
E1680-14	E-14	Drive shaft	1
E1680-15	E-15	Worm wheel	1
E1680-16	E-16	Bearing base	1
E1680-17	FTL-17	Washer-1	1
E1680-18	E-18	Torsional spring	1
E1680-19	E-19	Torsional spring	1
E1680-20	E-20	Washer-2	1
E1680-21	E-21	Worm	1
E1680-22	FTL-22	Inner wheel-1	1
E1680-23	E-23	Motor	1
E1680-24	E-24	Exhaust ring	1
E1680-25	E-25	65mn clamp spring-1	1
E1680-26	E-26	Rotating ring	1
E1680-27	E-27	65mn clamp spring-2	1
E1680-28	E-28	Bushing-1	1
E1680-29	E-29	Large back cover	1
E1680-30	E-30	Trochanter	1
E1680-31	E-31	Blade	5
E1680-32	E-32	Cylinder	1
E1680-33	E-33	Large front cover	1
E1680-34	E-34	Bearing base washer-1	1
E1680-35	E-35	Inner wheel 2	1
E1680-36	E-36	Planet wheel-1	3

Continued

Item No.	Drawing No.	Description	Ratio
E1680-37	E-37	Planet carrier-1	1
E1680-38	E-38	Bearing washer-2	1
E1680-39	E-39	Planet wheel-2	3
E1680-40	E-40	Planet carrier-2	1
E1680-41	E-41	Valve	1
E1680-42	E-42	Valve element	1
E1680-43	E-43	Pressure spring	1
E1680-44	E-44	Pressure button	1
E1680-45	E-45	Plain washer	1
E1680-47	E-47	Bush-3	1
E1680-48	E-48	Rings	1
E1680-T01	E-T01	Stamping cylindrical roller bearings bk1512	2
E1680-T02	E-T02	Bearing6202-2Z	1
E1680-T04	E-T04	Bearing6203-2Z	2
E1680-T05	E-T05	Import bearing689RS(R-1980HH)	1
E1680-T06	E-T06	Import bearing626-2z	1
E1680-T07	E-T07	Bearing6904-2Z	1
E1680-T08	E-T08	Cylindrical thrust roller bearings	1
E1680-T09	E-T09	T09 O type ring	1
E1680-T10	E-T10	T10 O type ring	1
E1680-T11	E-T11	T11 O type ring	1
E1680-T12	E-T12	T12 O type ring	1
E1680-T14	E-T14	T14 needle-1	33
E1680-T15	E-T15	T15 needle-2	39
E1680-T16	E-T16	Planet pin-1	3
E1680-T17	E-T17	Spacer pin	1
E1680-T18	E-T18	Pin-4	2
E1680-T19	E-T19	Planet pin-2	3
E1680-T20	E-T20	Pin-5	1
E1680-T21	E-T21	Nternal circlip	1
E1680-T22	E-T22	Black coating socket head cap screw 10.9 grade	3
E1680-T23	E-T23	Black hexagon socket set screw 10.9 grade	2
E1680-T24	E-T24	Black hexagon socket set screw 10.9 grade	1
E1680-T25	E-T25	Black hexagon socket countersunk flat cap head screw 10.9 grade	1
E1680-T26	E-T26	Black coating allen cup head screws 12.9 grade	3
E1680-T27	E-T27	O type ring	1
E1680-T28	E-T28	Air inflow contactor	1
E1680-T29	E-T29	Black coating set screw 10.9 grade m5*8	2
E1680-T30	E-T30	O type ring	1

7. MODEL EP-1980 PARTS ASSEMBLY



8. MODEL EP-1980 PNEUMATIC SEALER TOOL PARTS LIST

Item No.	Drawing No.	Description	Ratio
E1980-01	E-01	Cylinder body	1
E1980-02	E-02	Piston	1
E1980-03	E-03	Cylinder cover	1
E1980-03A	E-03A	Valve-1	1
E1980-04	E-04	Valve-2	1
E1980-05	E-05	Valve element	1
E1980-06	E-06	Button	1
E1980-07	E-07	O type ring-1	1
E1980-08	E-08	Steel ball	1
E1980-09	E-09	65mn valve element spring	1
E1980-10	E-10	Panel	2
E1980-11	E-11	Screw barrel	1
E1980-12	E-12	Hexagon socket countersunk flat cap head screw 10.9 grade	2
E1980-13	E-13	Fixed jaw	2
E1980-14	E-14	Locating pin	2
E1980-15	E-15	Contour screw	2
E1980-16	E-16	Flange retaining nut (white)	2
E1980-17	E-17	Black cylinder head hex socket 12.9 grade	4
E1980-18	E-18	Spring washer	4
E1980-19	E-19	O type ring-2	3
E1980-21	E-21	Y type oil seal	1
E1980-22	E-22	Flange retaining nut (white)	1
E1980-23	E-23	Flower pattern washer	1
E1980-25	E-25	Connecting rod pin-2	2
E1980-26	E-26	Connecting rod	4
E1980-27	E-27	Connecting rod pin-1	2
E1980-28	E-28	Movable jaw	2
E1980-29	E-29	"a" cylindrical pin screw-shaped groove	1
E1980-30	E-30	Spring pin 3x25	1
E1980-31	E-31	Bushing	1
E1980-32	E-32	O type ring	1
E1980-33	E-33	65mn pressure inner spring	1
E1980-34	E-34	65mn pressure outer spring	1
E1980-36	E-36	Pull rod	1
E1980-T28	E-T28	Air inflow contactor	3
E1980-37	E-37	Black hexagon socket et screw 10.9 grade	1
E1980-602	T602	Plain washer	2
E1980-38	E-38	Steel bushing	1