



NEW P380
for round and
small products

FROMM | PACKAGING
SYSTEMS



FROMM P380 PET tool for round object with friction weld seal





Technical Data P380

- **Strap width:** 13 – 19mm / ½" – ¾"
- **Strap thickness:** 0,4 – 1,35mm / .016" - .053"
- **Tension force:** 600 – 2000N / 135 – 450lbs with 6bar/ 87psi
- **Tension speed:** 120 – 200mm/s / 4,7" – 10,2"/s with 6bar/ 87psi
- **Strap Quality:** PP or PET
- **Weight:** 6,8kg / 15lbs including suspension bracket
- **Air consumption:**

Tensioning:	4,9NI / 0,18cu.ft. per second
Sealing:	8,6NI / 0,30cu.ft. per second

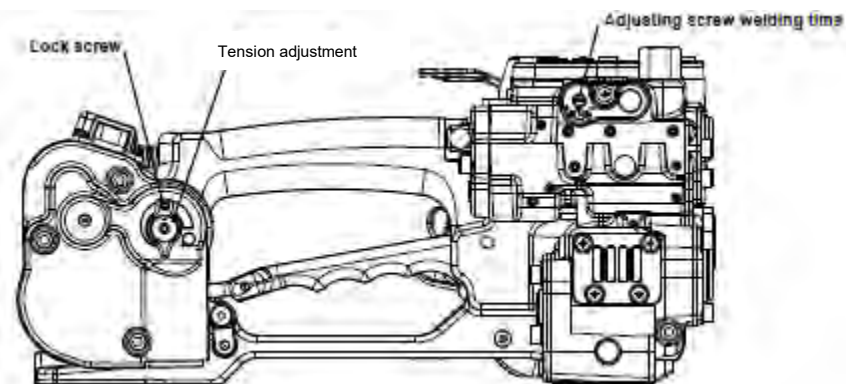
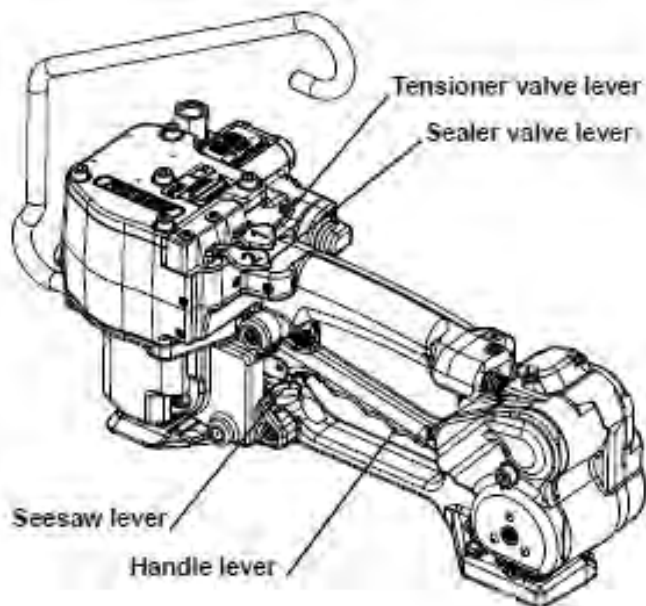


Available tool models

Item No.	Model	Strap width	Strap thickness
49.3801	P380/13/0.40-0.64	13 mm / 1/2"	0.40-0.64 mm / .016 - .025"
49.3802	P380/13/0.65-1.05	13 mm / 1/2"	0.65-1.05 mm / .026 - .041"
49.3811	P380/15/0.40-0.64	15 mm	0.40-0.64 mm / .016 - .025"
49.3812	P380/15/0.65-1.05	15 mm	0.65-1.05 mm / .026 - .041"
49.3821	P380/16/0.40-0.64	16 mm / 5/8"	0.40-0.64 mm / .016 - .025"
49.3822	P380/16/0.65-1.05	16 mm / 5/8"	0.65-1.05 mm / .026 - .041"
49.3831	P380/19/0.40-0.64	19 mm / 3/4"	0.40-0.64 mm / .016 - .025"
49.3832	P380/19/0.65-1.05	19 mm / 3/4"	0.65-1.05 mm / .026 - .041"
49.3833	P380/19/1.06-1.35	19 mm / 3/4"	1.06-1.35 mm / .042 - .053"



Operating elements

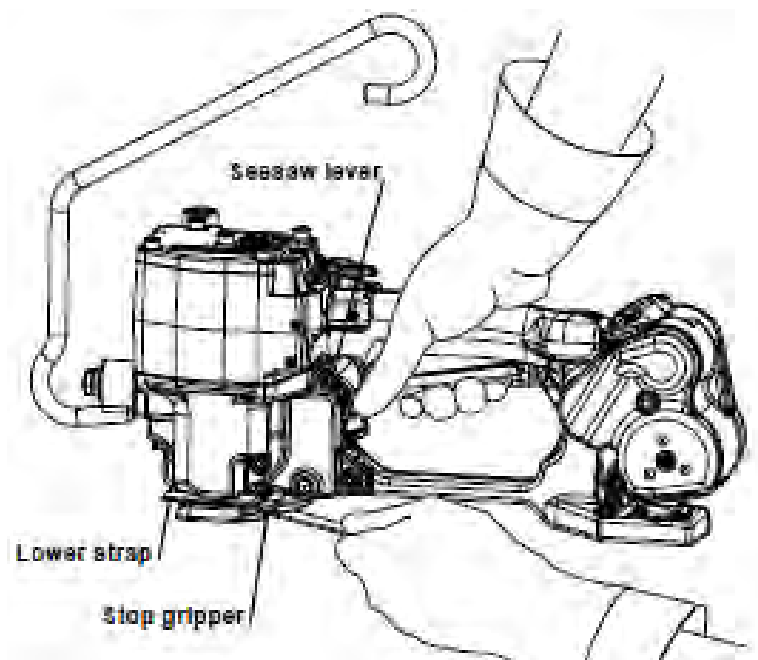




Operation

Loading of bottom strap

- Lift handle
- Insert bottom strap into sealer part of tool
- Bottom strap protrudes about 10mm in front of tool
- Push seesaw lever up to lock bottom strap



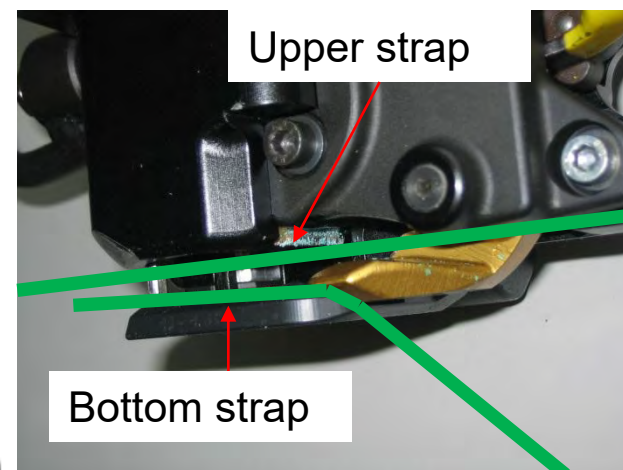
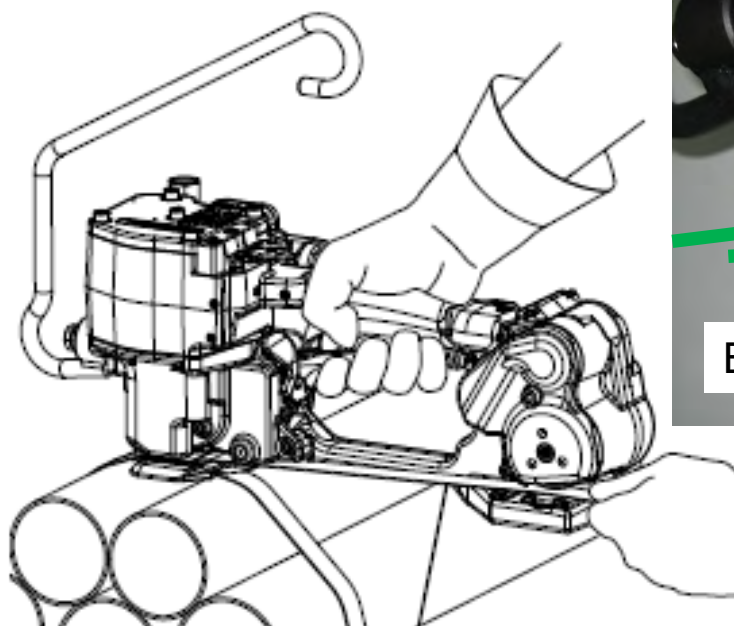
Keep handle pressed up at all time



Operation

Loading of upper strap

- Keep handle pressed up
- Insert upper strap into sealer section of the tool
- Insert upper strap above the stop gripper
- Insert upper strap into the tension section of the tool
- Release handle



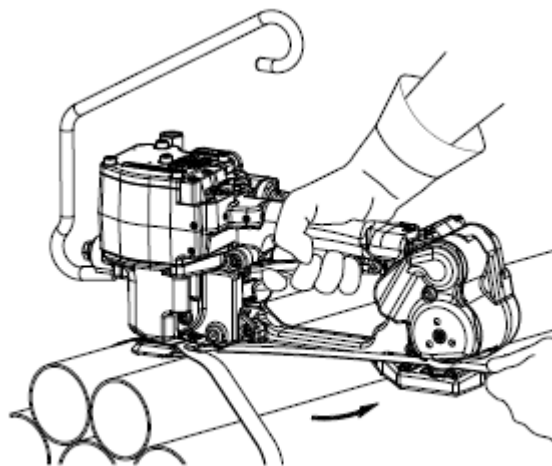
Only upper strap is under the tension wheel



Operation

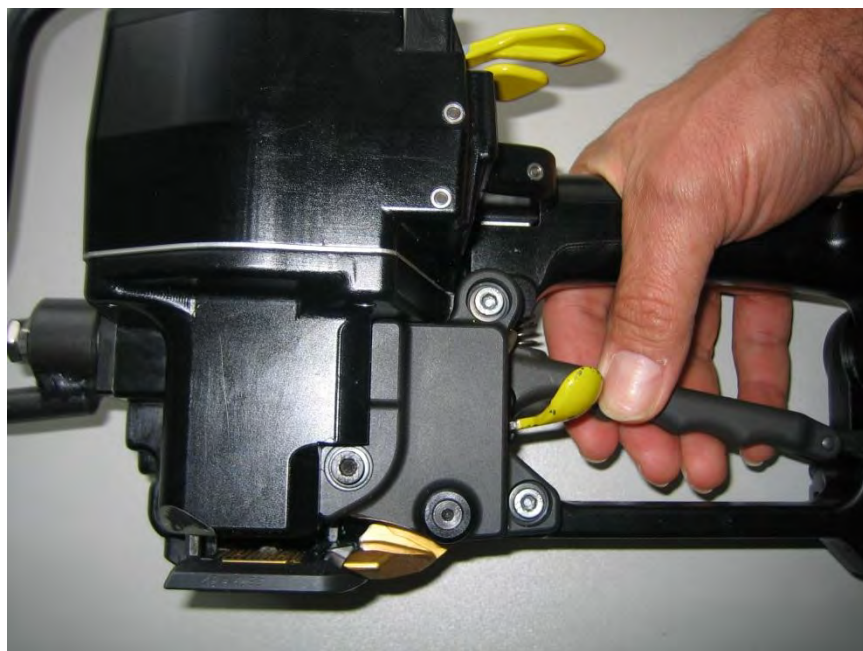
Removing the tool after tensioning and sealing

- Complete tensioning and sealing process.
- Wait till cooling time has been finished
- Pull handle up
- Remove tool to the right from the sealed strap
- Take out cut end of upper strap from the tool
- Release handle

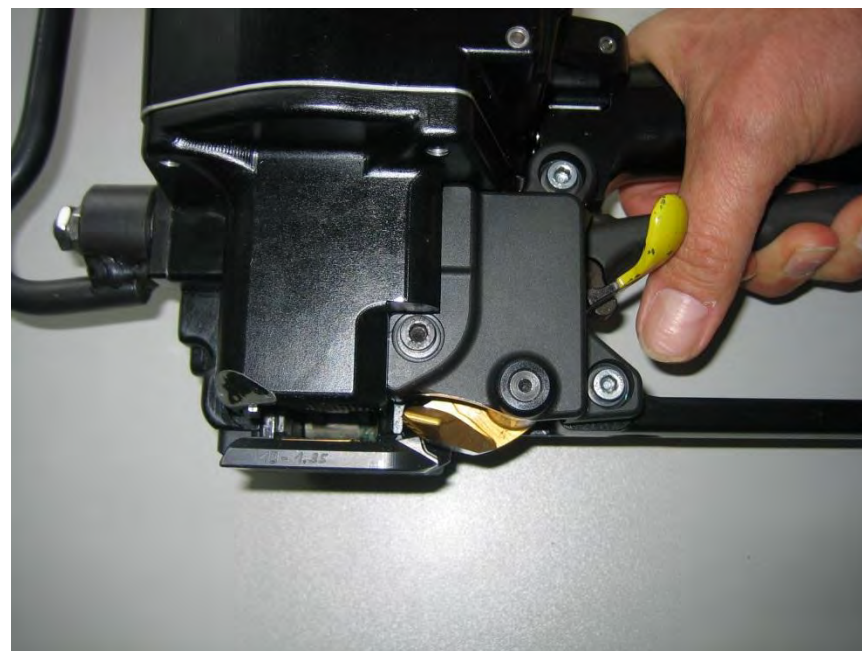




Tool details



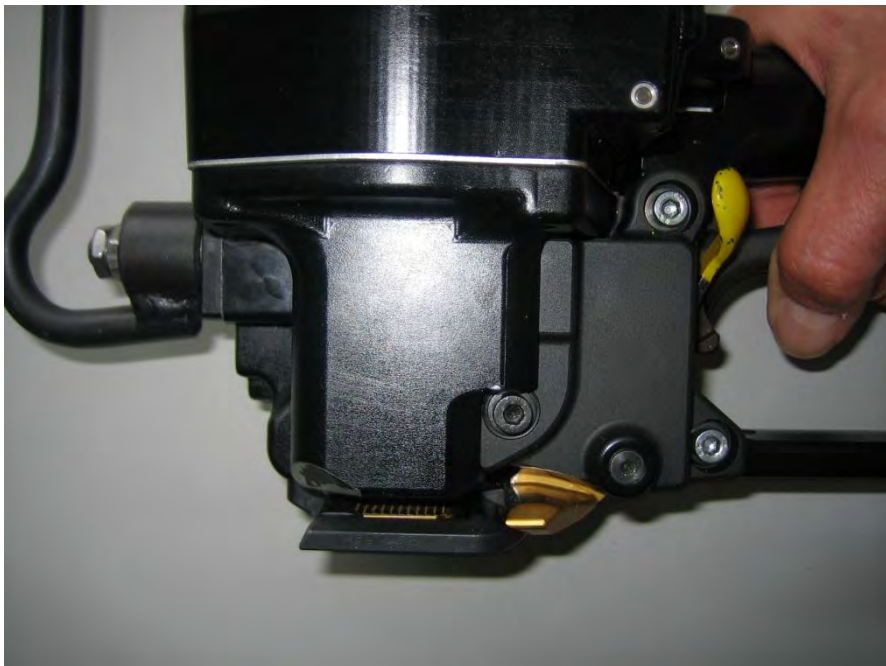
Home position of all elements
Before loading the strap and after
loading the strap



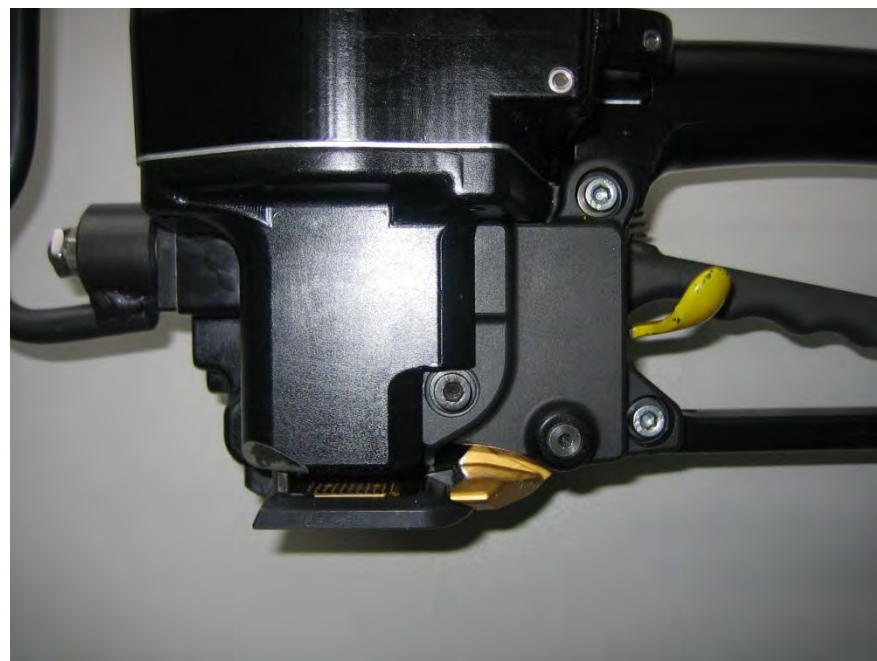
Position for loading bottom strap.
Handle pressed up
Stop gripper lifted up
Seesaw lever still in home position



Tool details



Position for loading top strap.
Handle pressed up
Seesaw lever pushed up
Stop gripper in down position
(moved by pushing seesaw lever up)



Home position of all elements
Before loading the strap and after
loading the strap



Minimum package dimensions

Package dimensions

Diameter of round / circular goods:	min 2 x ø70mm  min ø 240mm 
Width:	min 80mm 

Due to relatively low tension of the tool, best results can be achieved with smaller size straps.



Why are smaller size straps better ?

Tool will be able to pull these straps more into elastic elongation so that the loss of tension when removing the tool from the strap is better compensated.

Ideal is, if strap can be tensioned to 50% of the break strength. (e.g. break strength of the strap is 4000N: ideal tension would be 2000N)

However:

The strap must be strong enough for the application.

Some applications will also work with tension less than 50 % of break strength of strap. Give it a trial.



Possible applications



Stainless steel tubes
or bars

Small wooden boxes





Possible applications



Wire coils

Slit coils through the eye

Smaller coils belly strap

All applications where A480 is currently used.



Benefits

- Unique high tension friction weld plastic strapping tool for round and small surface applications – first tool in its class
- Pneumatic tool, robust design guarantees high reliability
- Friction weld technology. No metal seals anymore. Saves time and money. Seal efficiency of friction weld outperforms seal strength of metal seals.
- Opportunity to convert steel strapping to PET strapping for round applications
 - no seals and the advantages of PET strapping generate important savings