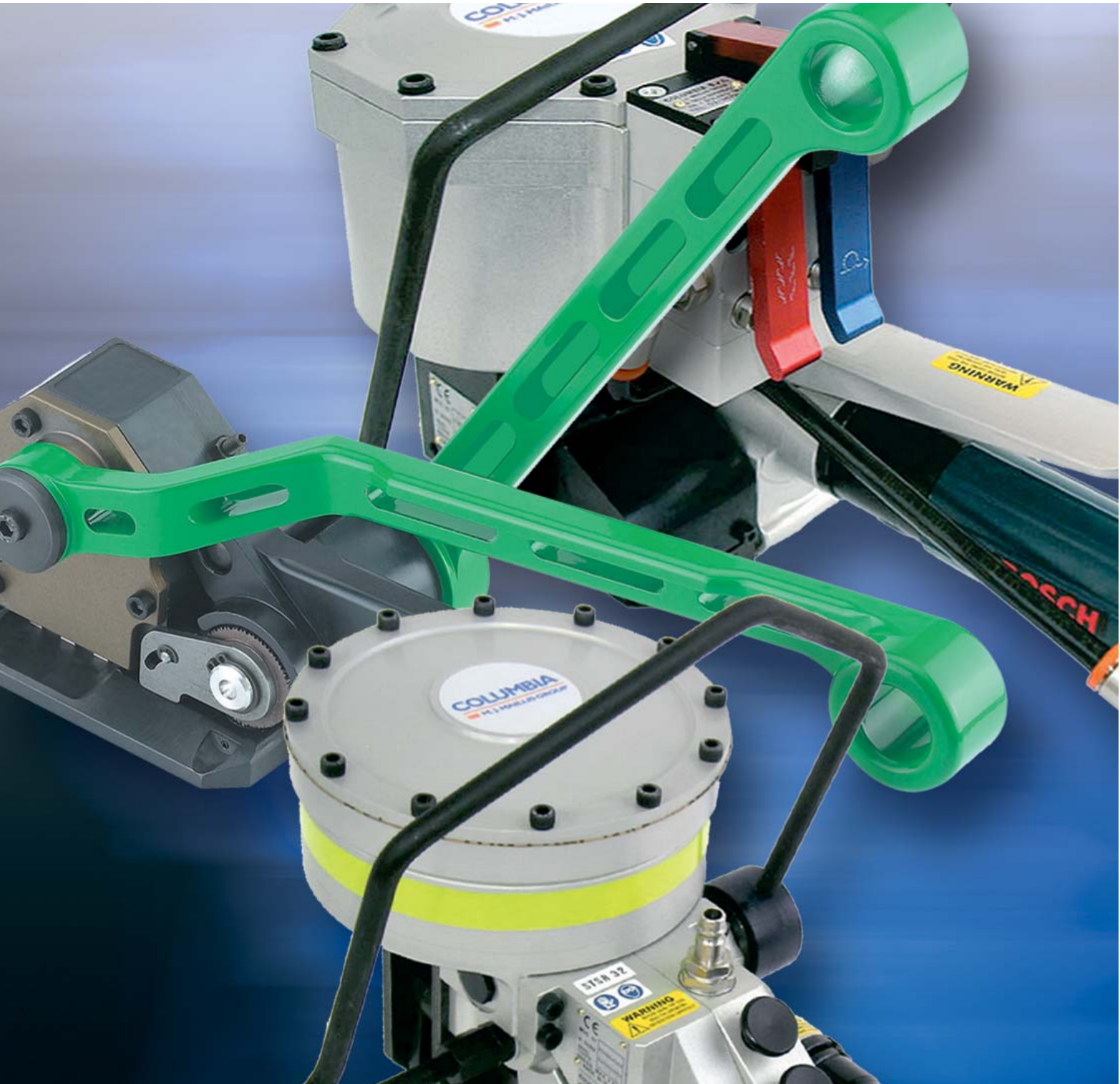


# COLUMBIA

M. J. MAILLIS GROUP

GB



## STRAPPING TOOLS

FOR STEEL

# PNEUMATIC STRAPPING TOOLS FOR STEEL STRAP WITH SEAL

## ST 10-13-16-19

### FLAT AND ROUND SURFACES PNEUMATIC STRAPPING TOOL FOR STEEL STRAP WITH SEAL



#### TECHNICAL DATA

<b>Strap quality</b>	bright/blue/high tensile Rmax. 1100N/mm <sup>2</sup>
<b>Joint type</b>	seal - single notch
<b>Seal type</b>	overlap min. lenght 22 mm (7/8")
<b>Package type</b>	flat / round
<b>Strap width</b>	10-13-16-19 mm / 3/8" - 1/2" - 5/8" - 3/4"
<b>Bright / blue strap thickness</b>	from 0.4 up to 0.8 mm. / 0.016" - 0.031"
<b>High tensile strap thickness</b>	from 0.4 up to 0.63 mm. / 0.016" - 0.025"
<b>Max tension</b>	1500 N/330 lbs 3000 N/660 lbs 4500 N/990 lbs
<b>Max tension speed</b>	11 - 7 - 5 mt/min / 36 - 23 - 17 ft/min
<b>Air pressure</b>	from 5.5 upto 6.5 bar max / 78 - 92 psi
<b>Air consumption</b>	12 l/s - 25 cu ft / min
<b>Weight</b>	around 4 kgs / 8.8 lbs

#### CHART OF TYPES

MODEL	ITEM.NO.	STRAP WIDTH	MAX.TENS.	TENS.SPEED
ST 10 BUTTON	101.100.310	10 mm. 3/8"	1500 N	11 mt/min
ST 10 CHOKE COLLAR	101.100.320	10 mm. 3/8"	1500 N	11 mt/min
ST 13 BUTTON	101.130.410	13 mm. 1/2"	3000 N	7 mt/min
ST 13 CHOKE COLLAR	101.130.420	13 mm. 1/2"	3000 N	7 mt/min
ST 16 BUTTON	101.160.410	16 mm. 5/8"	3000 N	7 mt/min
ST 16 CHOKE COLLAR	101.160.420	16 mm. 5/8"	3000 N	7 mt/min
ST 16 BUTTON	101.160.510	16 mm. 5/8"	4500 N	5 mt/min
ST 16 CHOKE COLLAR	101.160.520	16 mm. 5/8"	4500 N	5 mt/min
ST 19 BUTTON	101.190.410	19 mm. 3/4"	3000 N	7 mt/min
ST 19 CHOKE COLLAR	101.190.420	19 mm. 3/4"	3000 N	7 mt/min
ST 19 BUTTON	101.190.510	19 mm. 3/4"	4500 N	5 mt/min
ST 19 CHOKE COLLAR	101.190.520	19 mm. 3/4"	4500 N	5 mt/min

# MANUAL SEALLESS STRAPPING TOOLS FOR STEEL STRAP

## ST-IMA (13-16-19)

FLAT SURFACES MANUAL SEALLESS STRAPPING TOOL FOR STEEL STRAP



### TECHNICAL DATA

<b>Strap quality</b>	bright/blue/high tensile Rmax. 1100N/mm <sup>2</sup>
<b>Joint type</b>	sealless
<b>Package type</b>	flat (min. length 150 mm - 6") round (min. diameter 1000 mm / 40")
<b>Strap width</b>	13-16-19 mm / 1/2"- 5/8"- 3/4"
<b>Bright / blue strap thickness</b>	from 0.45 up to 0.7 mm. / 0.018" - 0.028"
<b>High tensile strap thickness</b>	from 0.45 up to 0.60 mm. / 0.018" - 0.0024"
<b>Max tension / gear ratio</b>	around 5000N - 1100 lbs / around 1:17
<b>Weight</b>	around 4 kgs IMA / 8.8 lbs

#### CHART OF TYPES

MODEL	ITEM.NO.	STRAP WIDTH
ST-IMA	116.160.040	13-19 mm. 1/2"-3/4"

## ST-IMA G (13-16-19)

FLAT SURFACES MANUAL SEALLES STRAPPING TOOL FOR STEEL STRAP



### TECHNICAL DATA

<b>Strap quality</b>	bright/blue/high tensile Rmax. 1100N/mm <sup>2</sup>
<b>Joint type</b>	sealless
<b>Package type</b>	flat (min. length 150 mm - 6") round (min. diameter 1000 mm / 40")
<b>Strap width</b>	13-16-19 mm / 1/2"- 5/8"- 3/4"
<b>Bright / blue strap thickness</b>	from 0.45 up to 0.7 mm. / 0.018" - 0.028"
<b>High tensile strap thickness</b>	from 0.45 up to 0.63 mm. / 0.018" - 0.025"
<b>Max tension / gear ratio</b>	around 5000N - 1100 lbs / around 1:17
<b>Weight</b>	around 4,5 kgs IMA G / 9,9 lbs

#### CHART OF TYPES

MODEL	ITEM.NO.	STRAP WIDTH
ST-IMA G (steel tens. lever)	117.160.040	13-19 mm. 1/2"-3/4"

# PNEUMATIC SEALLESS STRAPPING TOOLS FOR STEEL STRAP

## ST-INCA 13-16-19 STD

FLAT SURFACES PNEUMATIC SEALLESS STRAPPING TOOL FOR STEEL STRAP



CHART OF TYPES

MODEL	ITEM.NO.	WIDTH	SPEED
ST-INCA 13 STD 2000 N	106.130.310	13 mm. 1/2"	11 mt/m
ST-INCA 13 STD 3500 N	106.130.410	13 mm. 1/2"	7 mt/m
ST-INCA 16 STD 3500 N	106.160.410	16 mm. 5/8"	7 mt/m
ST-INCA 16 STD 5500 N	106.160.510	16 mm. 5/8"	5 mt/m
ST-INCA 19 STD 3500 N	106.190.410	19 mm. 3/4"	7 mt/m
ST-INCA 19 STD 5500 N	106.190.510	19 mm. 3/4"	5 mt/m

### TECHNICAL DATA

Strap quality	bright/blue Rmax. 850N/mm <sup>2</sup>
Joint type	sealless
Package type	flat (min. lenght 200 mm / 8")
Strap width	13-16-19 mm / 1/2" - 5/8" - 3/4"
Strap thickness	from 0.4 up to 0.6 mm. / 0.016" - 0.024"
Max tension	2000 N/440 lbs 3500 N/770 lbs 5500 N/1200 lbs
Max tension speed	11 - 7 - 5 mt/min / 36 - 23 - 17 ft/min
Air pressure	from 5.5 upto 6.5 bar max / 78 - 92 PSI
Air consumption	12 l/s - 25 cu ft/min
Weight	around 7 kgs / 15.4 lbs

## ST-INCA 13-16-19 HT

FLAT SURFACES PNEUMATIC SEALLES STRAPPING TOOL FOR STEEL STRAP



CHART OF TYPES

MODEL	ITEM.NO.	WIDTH	SPEED
ST-INCA 13 HT 3500 N	113.130.410	13 mm. 1/2"	7 mt/m
ST-INCA 13 HT 5500 N	113.130.510	13 mm. 1/2"	5 mt/m
ST-INCA 16 HT 5500 N	113.160.510	16 mm. 1/2"	5 mt/m
ST-INCA 19 HT 5500 N	113.190.510	19 mm. 3/4"	5 mt/m

### TECHNICAL DATA

Strap quality	blue/high tensile Rmax. 1100N/mm <sup>2</sup>
Joint type	sealless
Package type	flat (min. lenght 200 mm / 8")
Strap width	13-16-19 mm / 1/2" - 5/8" - 3/4"
Strap thickness	from 0.4 up to 0.63 mm. / 0.016" - 0.025"
Max tension	2000 N/440 lbs 3500 N/770 lbs 5500 N/1200 lbs
Max tension speed	11 - 7 - 5 mt/min / 36 - 23 - 17 ft/min
Air pressure	from 5.5 upto 6.5 bar max / 78 - 92 PSI
Air consumption	12 l/s - 25 cu ft/min
Weight	around 9 kgs / 19.8 lbs

# PNEUMATIC STRAPPING TOOLS FOR STEEL STRAP WITH SEAL

## STSR 19-25-32

### FLAT AND ROUND SURFACES PNEUMATIC STRAPPING TOOL FOR STEEL STRAP WITH SEAL



#### TECHNICAL DATA

<b>Strap quality</b>	bright/blue/high tensile Rmax. 1100N/mm <sup>2</sup>
<b>Joint type</b>	seal - double notches
<b>Package type</b>	flat / round
<b>Seal type</b>	overlap min. 45 mm length (1 - 3/4")
<b>Strap width</b>	19-25-32 mm / 3/4" - 1" - 1 1/4"
<b>Bright / blue strap thickness</b>	from 0.6 up to 1 mm. / 0.024" - 0.039"
<b>High tensile strap thickness</b>	from 0.63 up to 0.8 mm. / 0.025" - 0.031"
<b>Max tension</b>	9000 N/2000 lbs
<b>Max tension speed</b>	around 6 mt/min - 20 ft/min
<b>Air pressure</b>	from 5.5 upto 6.5 bar max / 78 - 92 psi
<b>Air consumption</b>	12 l/s - 25 cu ft / min
<b>Weight</b>	around 10 kgs / 22 lbs

#### CHART OF TYPES

MODEL	ITEM.NO.	STRAP WIDTH
<b>STSR 19 3 BUTTONS</b>	102.190.130	19 mm. 3/4"
<b>STSR 25 3 BUTTONS</b>	102.250.130	25 mm. 1"
<b>STSR 32 3 BUTTONS</b>	102.320.130	32 mm. 1 1/4"
<b>STSR 19 2 BUTTONS</b>	102.190.130	19 mm. 3/4"
<b>STSR 25 2 BUTTONS</b>	102.250.130	25 mm. 1"
<b>STSR 32 2 BUTTONS</b>	102.320.130	32 mm. 1 1/4"

## STSR-32 HT

### FLAT AND ROUND SURFACES TENSIONER FOR STEEL STRAP WITH SEAL



Low pressure air applications from 4,5 bar / 65 psi

#### TECHNICAL DATA

<b>Strap quality</b>	bright/blue/high tensile Rmax. 1100N/mm <sup>2</sup>
<b>Joint type</b>	seal - double notches
<b>Package type</b>	flat / round
<b>Seal type</b>	overlap min. 45 mm length (1 - 3/4")
<b>Strap width</b>	32 mm / 1 1/4"
<b>Bright / blue strap thickness</b>	from 0.6 up to 1 mm. / 0.024" - 0.039"
<b>High tensile strap thickness</b>	max 0.8 mm. (0.031") at 4,5 bar / max 0,9 mm (0,035") at 6,5 bar
<b>Max tension</b>	9000 N (at 6,3 bar standard motor) ***
<b>Max tension speed</b>	around 6 mt/min (6,3 bar)
<b>Air pressure</b>	from 4.5 upto 6.5 bar (65 to 92 psi)
<b>Air consumption</b>	12 l/s (6,3 bar)
<b>Weight</b>	around 10,8 kgs / 23,76 lbs

#### CHART OF TYPES

MODEL	ITEM.NO.	STRAP WIDTH
<b>STSR 32 HT 3 BUTTONS</b>	123.320.130	32 mm. 1 1/4" ST.
<b>STSR 32 HT 3 BUTTONS</b>	123.320.030	32 mm. 1 1/4" ON REQ.

\*\*\* Only for low pressure air applications is also available a powerest motor tension version (on request) to increase the tensioning strap performances

# PNEUMATIC AND MANUAL STRAPPING TOOLS FOR STEEL STRAP WITH SEAL

## STTMR 19-25-32

### FLAT AND ROUND SURFACES MANUAL TENSIONER FOR STEEL STRAP WITH SEAL



CHART OF TYPES

MODEL	ITEM.NO.	STRAP WIDTH
STTMR	108.990.040	19-32 mm. 3/4" - 1 1/4"

#### TECHNICAL DATA

Strap quality	bright/blue/high tensile Rmax. 1100N/mm <sup>2</sup>
Package type	flat / round
Strap width	19-25-32 mm / 3/4" - 1" - 1 1/4"
Strap thickness	from 0.6 up to 1 mm. / 0.024" - 0.04"
Max tension / gear ratio	around 8500N - 1900 lbs / around 1:28
Weight	around 4,9 kgs / 10.8 lbs

## STPM 19-25-32

### FLAT AND ROUND SURFACES MANUAL SEALER FOR STEEL STRAP WITH SEAL



CHART OF TYPES

MODEL	ITEM.NO.	STRAP WIDTH
STPM 19	107.190.040	19 mm. 3/4"
STPM 25	107.250.040	25 mm. 1"
STPM 32	107.320.040	32 mm. 1 1/4"

#### TECHNICAL DATA

Strap quality	bright/blue Rmax. 850N/mm <sup>2</sup>
Joint type	seal - single notch
Seal type	overlap min. 45 mm length (1 - 3/4")
Package type	flat / round
Strap width	19-25-32 mm / 3/4" - 1" - 1 1/4"
Strap thickness	from 0.6 up to 0.8 mm. / 0.024" - 0.031"
Weight	around 2,8 kgs / 6.1 lbs

## STP 19-25-32

### FLAT AND ROUND SURFACES PNEUMATIC SEALER FOR STEEL STRAP WITH SEAL



CHART OF TYPES

MODEL	ITEM.NO.	STRAP WIDTH
STP 19	103.190.050	19 mm. 3/4"
STP 25	103.250.050	25 mm. 1"
STP 32	103.320.050	32 mm. 1 1/4"

#### TECHNICAL DATA

Strap quality	bright/blue/high tensile Rmax. 1100N/mm <sup>2</sup>
Joint type	seal - single notch
Seal type	overlap min. 45 mm length (1 - 3/4")
Package type	flat / round
Strap width	19-25-32 mm / 3/4" - 1" - 1 1/4"
Strap thickness R850N/mm <sup>2</sup>	from 0.6 up to 1.1 mm. / 0.024" - 0.043"
Strap thickness R1100N/mm <sup>2</sup>	from 0.63 up to 0.9 mm. / 0.025" - 0.035"
Air pressure	from 5 upto 6.5 bar max / 72 - 92 psi
Air consumption	3 l/s - 6.4 cu ft / min
Weight	around 3,8 kgs / 8.3 lbs

# PNEUMATIC STRAPPING TOOLS FOR STEEL STRAP WITH SEAL

## STTR 19-25-32

FLAT AND ROUND SURFACES PNEUMATIC TENSIONER FOR STEEL STRAP WITH SEAL



### TECHNICAL DATA

<b>Strap quality</b>	bright/blue/high tensile Rmax. 1100N/mm <sup>2</sup>
<b>Package type</b>	flat / round
<b>Strap width</b>	19-25-32 mm / 3/4" - 1" - 1 1/4"
<b>Strap thickness</b>	from 0.6 up to 1.1 mm. / 0.024" - 0.043"
<b>Max tension</b>	around 9000N - 2000 lbs
<b>Max tension speed</b>	around 6 mt/min - 20 ft/min
<b>Air pressure</b>	from 5 upto 6.5 bar max / 72 - 92 psi
<b>Air consumption</b>	12 l/s - 25 cu ft / min
<b>Weight</b>	around 4,2 kgs / 9.2 lbs

### CHART OF TYPES

MODEL	ITEM.NO.	STRAP WIDTH
STTR BUTTON	104.990.110	19-32 mm. 3/4" - 1 1/4"
STTR CHOKE COLLAR	104.990.120	19-32 mm. 3/4" - 1 1/4"

## STRAPPING TOOLS ACCESSORIES



REF	MODEL	ITEM CODE
A	AIR TREATMENT (filter + lubrif. + regulator)	610.010.830
B	SPIRAL AIR PIPES 15 MT LENGHT SIZE 8x10	281.218.300
	SPIRAL AIR PIPES 15 MT LENGHT SIZE 6x8	281.218.400
C	BALANCER RANGE 3-6 KGS (6.6-13.2 lbs)	605.080.080
	BALANCER RANGE 5-8.5 KGS (11-18.7 lbs)	605.080.090
	BALANCER RANGE 8-11 KGS (17.6-24.2 lbs)	605.080.070
D	BALANCER POWER 9-15 KGS (19.8-33 lbs)	605.080.900

**COLUMBIA**

 **M. J. MAILLIS GROUP**

**COLUMBIA s.r.l.**

via Della Repubblica, 44 - 20020 Solaro (MI) Italy  
phone No. +39 02.96.79.03.81 - fax No. +39 02.96.79.03.97

**[www.maillis.gr](http://www.maillis.gr) - [www.columbiatools.it](http://www.columbiatools.it)**

**e-mail: [columbia@siat.com](mailto:columbia@siat.com)**

