FROMM | PACKAGING SYSTEMS

Datasheet A402 / A412

Manual steel strapping tools

Manual pusher type steel strapping tools

Characteristics A402 – Manual tensioner for round objects

Strapping qualities:		Uniflex and Ultraflex max. 1100 N/mm^2 / 160'000 psi
Strapping dimensions:	widths thicknesses	19.0 – 32.0 mm / $^3/_4$ – 1 ¼" 0.63 – 1.00 mm / .025 – .040"
Weight:		4.0 kg / 8.8 lbs
Seals:		Overlap seals, see chart
Sealing:		With separate manual sealer model A412

Advantages of tensioner model A402

- Designed for round objects and for curved or irregularly shaped packages
- The feed-wheel tensioning system allows unlimited strap take-up
- Very tight strap tension without any tension loss
- The long tension handle permits very high strap tension (with a limited effort)

Characteristics A412 – Manual sealer

Strapping qualities:		Uniflex and Ultraflex max. 1100 N/mm^2 / 160'000 psi
Strapping dimensions:	widths thicknesses	19.0 – 32.0 mm / $^3/_4$ – 1 ¼" 0.63 – 1.00 mm / .025 – .040"
Weight:		3.4 kg / 7.4 lbs
Average seal strength:		approx. 75%
Seals:		Overlap seals, see chart
Type of joint:		Double notch joint
Tensioning:		With separate tensioner model A402

NANDEE STRAPAC | PACKAGING PARTNER

NANDEE-STRAPAC CO., LTD.
310, 312 Soi Chan 32, Chan Road, Thung Wat Don, Sathorn, Bangkok 10120
Tel : 0-2675-5543-4, 0-2675-6656-7, 0-2675-6990 Fax : 0-2672-3266
E-mail : strapac@nandee.co.th

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Advantages of sealer model A412

- The safe upcut double notch joint is accomplished in one stroke
- The installed safety catch guarantees perfect seal joints only
- The specially shaped sealing handle (bent) assures an accident free operation (a crushing of the hands is not possible)
- The distance rubber roll on the lower handle places the handle into the correct position relative to the seal and allows the sealing action to be accomplished with both hands

Chart of types model A402

Item No.	Model	Uniflex and Ultraflex max. 1100 N/mm² / 160'000 psi			
		Widths		Thicknesses	
		mm	inch	mm	inch
13.3200	A402/19-32/0.63-1.00	19-32	3/4-1 ¼“	0.63-1.00	.025-.040

Uniflex = Regular duty strapping max. 850 N/mm² / 123'000 psi
Ultraflex = High tensile strapping max. 1100 N/mm² / 160'000 psi

Chart of types model A412

Item No.	Model	Width		Uniflex		Ultraflex	
				Thicknesses		Thicknesses	
		mm	inch	mm	inch	mm	inch
13.3301	A412/19/0.63-1.00/UNI/0.80-1.00/ULT	19	3/4“	0.63-1.00	.025-.040	0.80-1.00	.031-.040
13.3302	A412/19/0.63/ULT	19	3/4“	-	-	0.63	.025
13.3305	A412/25/0.80-0.90	25	1“	0.80-0.90	.031-.035	0.80-0.90	.031-.035
13.3306	A412/25/1.00/UNI	25	1”	1.00	.040	-	-
13.3310	A412/32/0.80-0.90	32	1 ¼“	0.80-0.90	.031-.035	0.80-0.90	.031-.035
13.3311	A412/32/1.00/UNI	32	1 ¼“	1.00	.040	-	-

Uniflex (UNI) = Regular duty strapping max. 850 N/mm² / 123'000 psi
Ultraflex (ULT) = High tensile strapping max. 1100 N/mm² / 160'000 psi

Recommended seals

Width mm	Inch	Dimensions (W, L, T)	
		mm	inch
19	3/4“	19 x 45 x 0.9	$^3/_4$ x 1¾ x .035
25	1“	25 x 45 x 0.9	1 x 1¾ x .035
32	1 ¼“	32 x 45 x 0.9	1¼ x 1¾ x .035

Tensile strength of the seal material: 600 N/mm² / 87’000 psi

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E-mail : strapac@nandee.co.th