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**SPECS &
INFORMATION**

**Smart® Band 19mm (3/4") and Smart® Tie 20mm (3/4")
Manual Fitting Tool
Part No. SM-FT-2000-19**

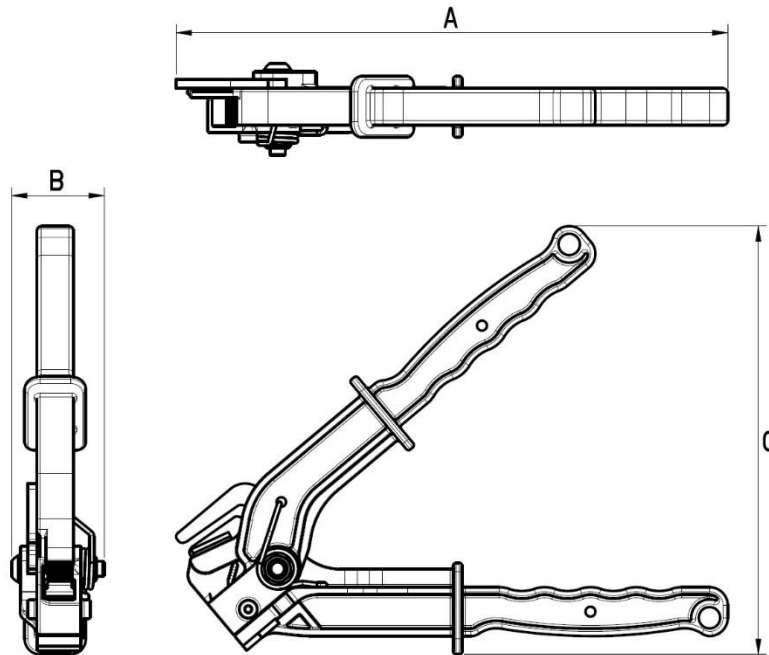


Description

Manual Fitting tool to tighten the Smart® Tie 20mm (3/4") and Smart® Band 19mm (3/4") strapping products. Incorporates a cutter to cut the excess tail once tension has been achieved. Tool suitable for onshore and offshore use. Can be used subsea.



Outline Dimensions (General Tolerance ± 5mm)



General Properties		
Property	Value	Unit
Weight	0.75 (1.65) ± 2%	kg (lb)
Length (A)	362 (14.3)	mm (inch)
Width (B)	61 (2.4)	mm (inch)
Height (C)	281 (11.1)	mm (inch)

Mechanical



Expected Tensions ¹								
Product	Size mm (inch)	Material	Max System Force ² (During Tightening)			Min Retention Force ² (After Tightening)		
			N	kgf	lbf	N	kgf	lbf
Smart® Tie	20 (0.79)	PA66 (Nylon 6.6.)	3600	367	809	1500	153	337
		PA12 (Nylon 12)	3000	306	674	1100	112	247
		PK (Polyketone)	3600	367	809	1500	153	337
		PPS (Polyphenylene Sulphide)	2800	286	629	1000	102	225
Smart® Band Standard	19 (0.75)	PA66 (Nylon 6.6.)	4000	408	899	1200	122	270
		PA66 (Nylon 6.6.)	3600	367	809	1200	122	270
		POM (Acetal) band						
Smart® Band Hybrid/ Compact	19 (0.75)	PA66 (Nylon 6.6.)	4500	459	1012	2000	204	450
		POM (Acetal)	4500	459	1012	2000	204	450
		PA12GF (Nylon 12 Glass-filled)	4500	459	1012	3000	306	674
		PPS (Polyphenylene Sulphide)	4500	459	1012	2000	204	450

¹ The expected tensions are proportional to the input forces applied by the user. These figures are based on reasonable force being applied but may be higher or lower depending on the tightening arrangement and strength of the user.

² The final retention force has been measured on a 200mm diameter steel pipe for Smart® Tie and a 400mm diameter steel pipe for Smart® Band. This figure may be lower for smaller diameters, or higher for larger diameters.



Further Operating Details, including tool setup, maintenance and parts list can be found in the following booklet:

- SM-FT-2000 Banding Tool (*Operation, Parts & Safety Manual | Original Instructions*)



Important Notice to User

Storage: In offshore or corrosive environments tool should be washed with clean water, air dried and lightly sprayed with a corrosion inhibitor such as oil. Store in a cool dry area in original carton.

Warranty: HCL warrants that all products when stored, used and maintained in accordance with HCL's written instructions will meet or exceed the above specification. HCL makes no other warranties or conditions, expressed or implied, including, but not limited to, any implied warranty or condition of merchantability or fitness for a particular purpose or any implied warranty or condition arising out of a course of dealing, custom or usage of trade. If any HCL product does not conform to this warranty then only replacement or refund of the affected parts will be considered.

Limitation of Liability: Except where expressly prohibited by law, HCL will not be liable for any damage or loss arising from the use of the HCL product.

Product Use: It is the user's responsibility to determine the suitability of the product for the task it is to be used for. HCL reserve the right to continually improve its product and would advise the user to contact HCL at all times to ensure they have up to date current data to work with.



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