



*"The Strongest Plastic Band & Buckle Clamping System in the World"*



### hybrid (*hī'brīd*)

Something of mixed origin or composition

The Patent Pending Smart Band Hybrid system denotes the mixture of polymers within the buckle part which allows for a dramatic increase in strength.

High Strength Glass filled teeth are snapped into a more flexible plastic buckle to create the perfect combination allowing the Smart band hybrid system to become the strongest plastic band & buckle system in the world.

Typical applications include:

**Offshore:** VIV Strakes, piggyback clamps (pipe lay), umbilical & riser impact protection, pile protection, buoyancy & flotation modules and sensor & anode attachment.

**Onshore:** street furniture, sign attachment, insulation, electrical, cooling towers, HVAC (flexible ducting) and chemical.

Smart Band Hybrid systems come in a choice of materials which offer Long life, Non corrosive and high strength/relaxation properties. Smart Band is an ideal alternative to a variety of alternative metallic strapping solutions such as Stainless Steel, Titanium, Monel & Alloy 625.

	Band Width	
	32mm 1 1/4 inch	19mm 3/4 inch
Max Strength (kg / lb)	2560 / 5640	1220 / 2680
Min final retention system force (N)	6500	3400
Max Temp (°C / °F)	115 / 240	125 / 257
Min Diameter (mm / inch)	400 / 16	200 / 8
Band Thickness (mm / inch)	4.6 / 0.18	3.6 / 0.14
Supply Condition	Pre-cut/Reel	Pre-cut/Reel
Hand Tool	SM-FT-1000	SM-FT-1000

ALL WEIGHTS AND DIMENSIONS ARE ±2.5%

For prices, specification and sizing advice and answers to technical questions please contact one of our sales staff who will be happy to assist you.



### Other Banding Products

**Smart Band® Standard** –  
25mm (1 inch), 10mm (3/8 inch)  
and 7mm (1/4 inch)

**Smart Tie™** 20mm (3/4 inch).

## Examples of Smart Band® Hybrid applications



Pipe/Umbilical/Riser Protection



Piggyback Clamp Pipelay



Flotation



Riser Protection



- 1 Manual Handle – SM-FT-1000
- 2 Torque Wrench – SM-FT-1000
- 3 Installation Tool – SM-FT-1000
- 4 Pneumatic Wrench – SM-FT-1000
- 5 Manual Cutters – SM-FT-1000
- 6 Installation Tool – TA 528A

### tools (tüls)

A device that aids in accomplishing a task

An innovative tooling system complements the range of Smart Band® Standard banding products. The SM-FT-1000 installation tool can be readily adapted to match band width and tension requirements.

# tools

	Band Width (mm) / (inch)	Material Band / Buckle	System Strength (kg) / (lbs)	Min final retention system force (N)	For use	Material Offshore Record (yrs)	Max Working Temp (°C) / (°F)
1	32 / 1¼	PA11GF / PA11GF	2560 / 5640	8000	Offshore	25+	115 / 240
2	32 / 1¼	POM / POM	1980 / 4360	6500	Off/onshore	5+	95 / 205
3	19 / ¾	PA11GF / PA11GF	1220 / 2680	3400	Offshore	25+	115 / 240
4	19 / ¾	POM / POM	950 / 2090	3600	Off/onshore	5+	95 / 205
5	19 / ¾	PA66 / PA66	1220 / 2680	3700	Onshore	-	125 / 260

# Denso®

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