

Smart® Band Compact



The new Smart® Band Compact 32mm Banding System is an exciting step forward in the evolution of the Smart® Band range. It combines the best features of both the Smart® Tie and the Smart® Band Hybrid systems to create a superior product.

The Smart® Band Compact reduces the size of the Hybrid buckle by over 60% allowing it to be installed on applications as low as 100mm in diameter. Yet unlike the Smart® Tie it contains glass fibre reinforced yarn allowing it to maintain the superior strength, retention and relaxation features of the Hybrid system.

Furthermore the innovative technology of over-moulding the buckle directly onto the band has actually produced an increase in the strength and retention of the Compact system. As such the Compact system is now perfectly placed to provide a High Strength, High Retention, Long Life and “quick to fit” strapping method for all major subsea applications including VIV Strake attachment on risers down to 100mm.

Key Features

- 60% reduction in buckle size compared to Hybrid System
- Improved Minimum Diameter – 100mm for 19mm and 200mm for 32mm
- Increase in Strength of over 10% for both 19mm and 32mm systems
- High Load feature for Stinger Installation

19mm (¾ inch)

32mm (1¼ inch)



Performance & Material

System		Material	Max System Strength <small>Measured on 600mm diameter</small>		Min Diameter		Max Temp Resistance*		Flammability*
mm	in		kgf	lbf	mm	in	°C	°F	
19	¾	PA12GF	1453	3203	100	4	110	230	HB
		PPS	1193	2629	100	4	175	347	V-0
32	1¼	PA12GF	2689	5929	200	8	110	230	HB
		PPS	2068	4458	200	8	175	347	V-0

*Life expectancy is dependant on the working temperature. Refer to the Smart Products Technical Booklet for Downhole Use.



Dimensions, Part Numbers & Packaging

System		Band Dimensions				Buckle Dimensions					
Dimensions		HCL Part No		Width		Thickness		Supplied	Height	Length	Width
mm	in	mm	in	mm	in	mm	in		mm/in	mm/in	mm/in
19	¾	SB-COM-19-PA12GF-XXXXMM		19.2	0.76	3.6	0.14	In pre-cut lengths	23.4/0.92	58.6/2.31	37.4/1.47
32	1¼	SB-COM-32-PA12GF-XXXXMM		32.2	1.27	4.7	0.19	In pre-cut lengths	30.0/1.18	74.0/2.91	51.9/2.04

*Available in PA12GF and PPS for Part No. replace PA12GF with PPS. **Replace XXXX in Part No. with desired length in mm.



Tool Options & Retention

System		Min System Retention*			Speed of Installation	Tool Type	Tension Control	
Dimensions		Tool	N	kgf				lbf
mm	in							
19	¾	SM-FT-1000-19	3500	357	787	20 secs	Manual	Torque Wrench
		SM-FT-2000-19	3000	306	674	10 secs	Manual	Hand
		SM-FT-3000-19	4000	408	899	5 secs	Pneumatic	Air Regulator
32	1¼	SM-FT-1000-32	7000	714	1574	20 secs	Manual	Torque Wrench
		SM-FT-2000-32	3500	357	787	10 secs	Manual	Hand
		SM-FT-3000-32	9000	918	1798	5 secs	Pneumatic	Air Regulator

*Values may be lower depending on materials chosen please refer to Technical Booklets for more information.

Note – Values may be lower depending on Buckle position, Material chose and Application Diameter. Please refer to the Technical Booklet for more information.