



Ocean Data System
ELECTRONIC MARINE SOLUTIONS

TEPSS

An extended range of smart trigger release snap shackles with advanced features

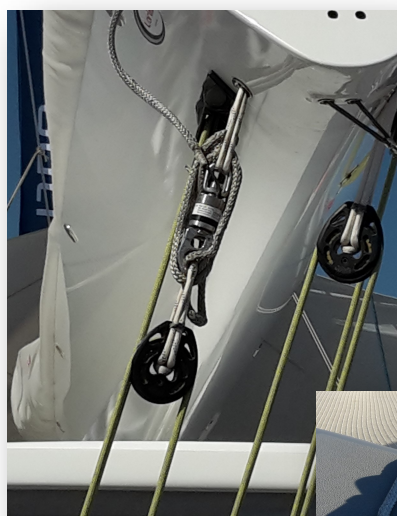
- Remote release
- Manual release
- Load measurement
- Swivel

*Snap shackles with
Remote controlled
opening and load
measurement*



UpSideUp
100% compatible

Registered pattern



- The three models available are derived from Tylaska® T8, T20 and T30 snap shackles and thus inherit all their mechanical strength specifications.
- Opening under load, manual or remote release by a compressed air pulse, itself controlled by an electrical pulse (12/24 vdc or 110vac/220vac).
- The load cell option allows a continuous measurement of the load on the rope (models T20 and T30 only).
- The remote release uses pneumatic power from rechargeable compressed air tank which can be inflated with a bicycle pump or maintained under pressure automatically with a compressor.

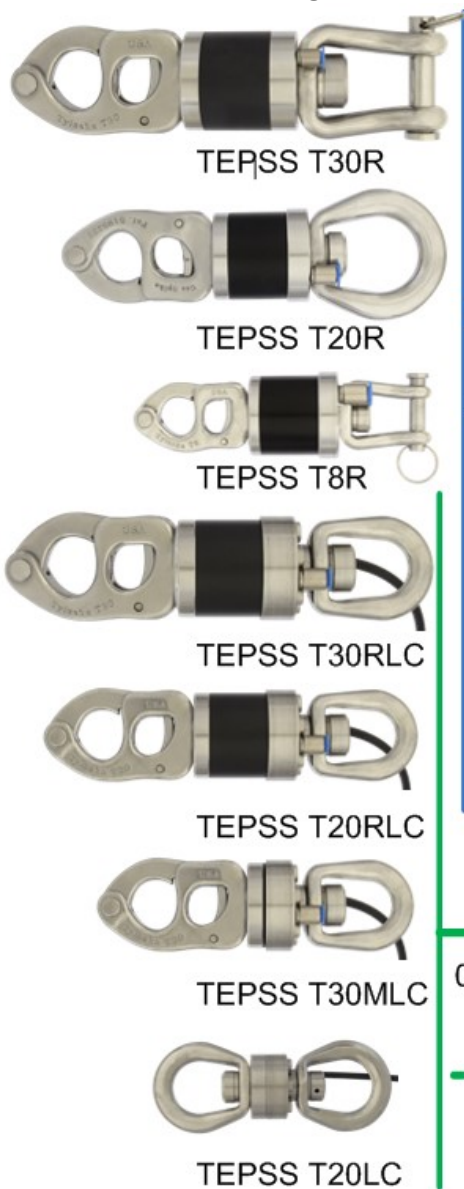
Example of common applications :

- Sailing : Mainsheet, Self tacking jib sheet, ...
- Man over board unit.
- Large range of application in the industry, handling, towing, impact tests...

Do not use The ODS Developments products for human suspension, unless product is specifically certified and labelled for such use.

An **ODS DEVELOPMENTS** solution

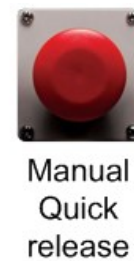
TEPSS range



Air pressure supply



Control devices



Manual
Quick
release



UpSideUp



NDR



Analog display or
nav instruments

Functions	Reference
Remote release - Swivel	R
Remote release - Loadcell - Swivel	RLC
Loadcell - Swivel - Manual triggering shackle	MLC
Loadcell - Swivel	LC
Bluetooth wireless transmission	LCW

Pneumatic features	
Service pressure	3 (indicative) to 10 bars
Environmental features	
Protection	IP 67 (IP65 w/ Loadcell)
Working temp.	-20°C à +80°C

TEPSS range	Dimensions With large bail	Max Work load	Max re- lease load	Breaking strength
TEPSS T8R	134 x 40 x 39	1810Kg	1200Kg	3630kg
TEPSS T20R	188 x 62 x 47	4540kg	3000Kg	9070kg
TEPSS T30R	244 x 80 x 54	6818kg	5000Kg	13610kg
TEPSS T20RLC	200 x 62 x 47	4545kg	3000Kg	9070kg
TEPSS T30RLC	258 x 80 x 54	6818kg	5000Kg	13610kg
TEPSS T20MLC	182 x 62 x 47	4540kg		9070kg
TEPSS T20LC	164 x 62 x 47	4540kg		9070kg

Loadcell features	
Static overload	120%
Supply voltage range	8.5 to 28 or 13 to 30 V
Output signal	mV/V / 0-5v / 0-10v / 4-20mA
Linearity Hysteresis	< ± 1% full scale
Compensated temp. range	0°C to +60°C
Zero shift within CTR	< 0.5% full scale / 50°C
Sensitivity shift within CTR	< 1.5% of reading / 50°C

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