



# TEPSS

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

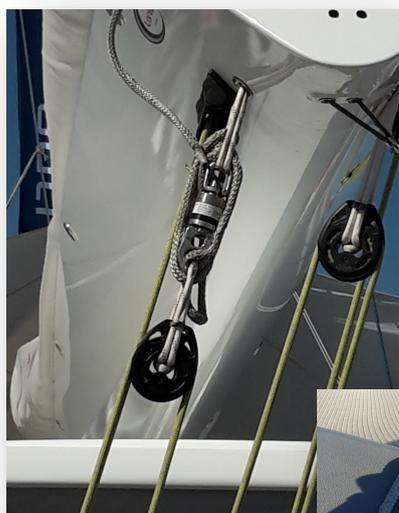
*Snap shackles with Remote controlled opening and load measurement*

- Remote release
- Manual release
- Load measurement
- Swivel



**UpSideUp**  
100% compatible

Registered pattern



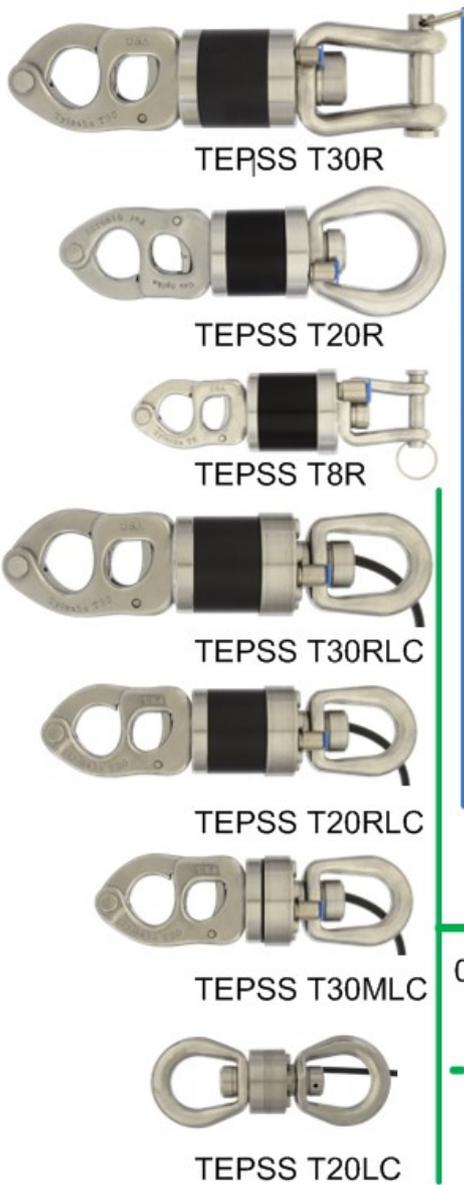
- The three models available are derived from Tylaska® T8, T20 and T30 snap shackles and thus inherit all their mechanical strength specifications.
- Opening under load, manual or remote release by a compressed air pulse, itself controlled by an electrical pulse (12/24 vdc or 110vac/220vac).
- The load 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.**

## TEPSS range



## Air pressure supply



## Control devices



Manual Quick release



UpSideUp



NDR



Analog display or nav instruments

0 – 5 vdc, 0 – 10 vdc or 4 – 20 mA analogue signal  
Can Bus compliant

Wireless transmission – Bluetooth

| Functions                                     | Reference  |
|---|------------|
| Remote release - Swivel                       | <b>R</b>   |
| Remote release - Loadcell - Swivel            | <b>RLC</b> |
| Loadcell - Swivel - Manual triggering shackle | <b>MLC</b> |
| Loadcell - Swivel                             | <b>LC</b>  |
| Bluetooth wireless transmission               | <b>LCW</b> |

| 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-release 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                | mVV / 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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