



C/Murcia No 35 Nau C
Polígono Can Calderón
08830 SANT BOI DE LOB.
TEL.+ 34 93 652 98 00
FAX. +34 93652 98 04
e-mail: gasso@gasso.com

COMERCIAL GASSÓ S.A.

www.gasso.com

Torsion balance

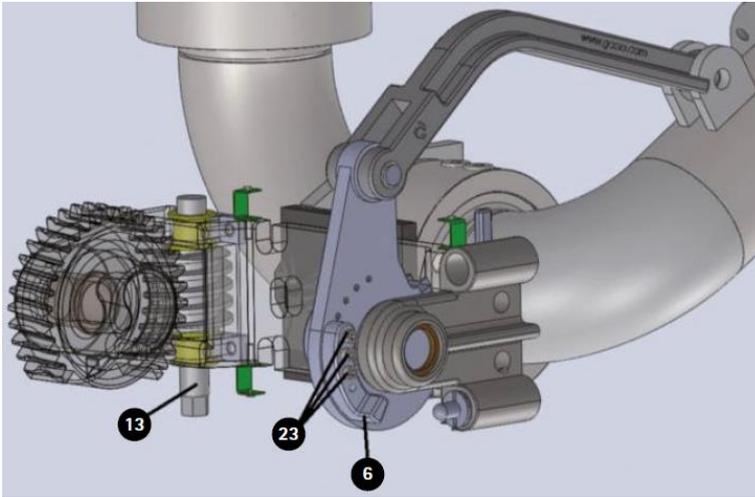
The **Gasso Quick adjusting** loading arm spring balance allows, with a simple turn and using a standard wrench, to re-adjust the spring tension.

The standard wrench connects to an adjustment point on bottom side of the torsion spring cover.

With this new Gasso feature, you no longer first have to remove the torsion spring cover and or have to have the loading arm in the vertical position to make adjustments, in most cases, adjustments can be made from any position.

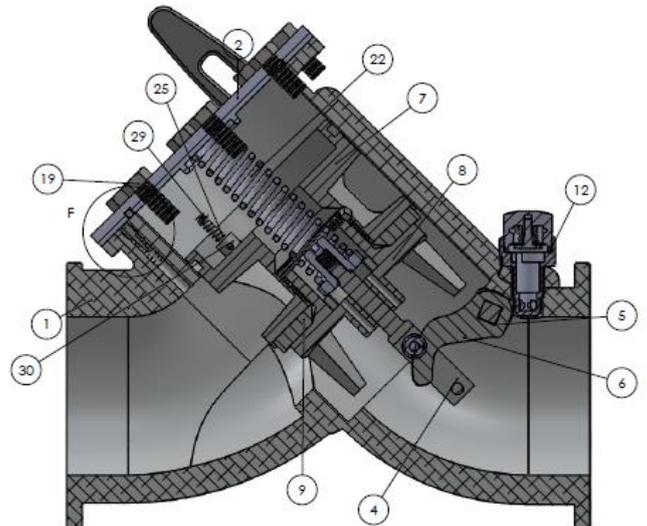
In **Silea** case this means **first** torsion cover taken off, **second** loader in vertical position and **third** with special tool change the spring tension, **fourth** put cover on again

The Gasso adjustment point is position 13 on the below picture, the cover is not shown here but will go over the spring keeping the adjustment point number 13 free on the bottom side.



1/2" threaded Vacuum breaker

This is standard supplied with Gasso on the loading valve, with Silea has to be ordered as extra, see number 12 below as vacuum-breaker.

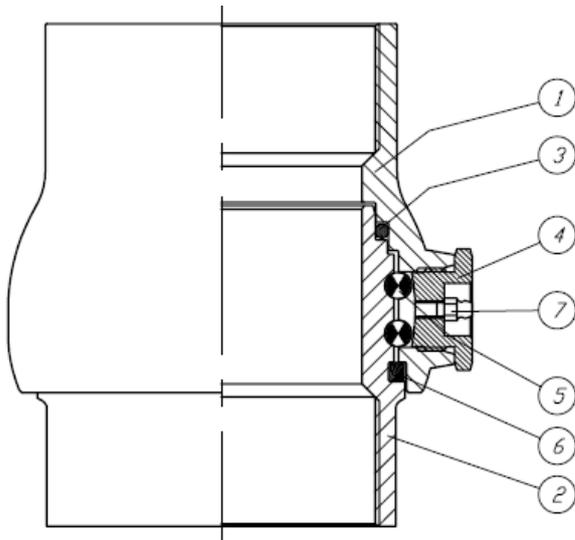




Aluminium drop tube swivel

Gasso is using as standard the same 3640 Aluminium swivel for outboard and drop tube swivel with 2 rows of ball bearings, see below.

Silea is using as standard a drop tube swivel with no bearings to reduce the price.



Gasso drop tube swivels **with 2 rows** of ball bearings **max WP 10 Bar**



Silea drop tube swivels **no bearings**, sleeve coupling design only **max WP 3 Bar**



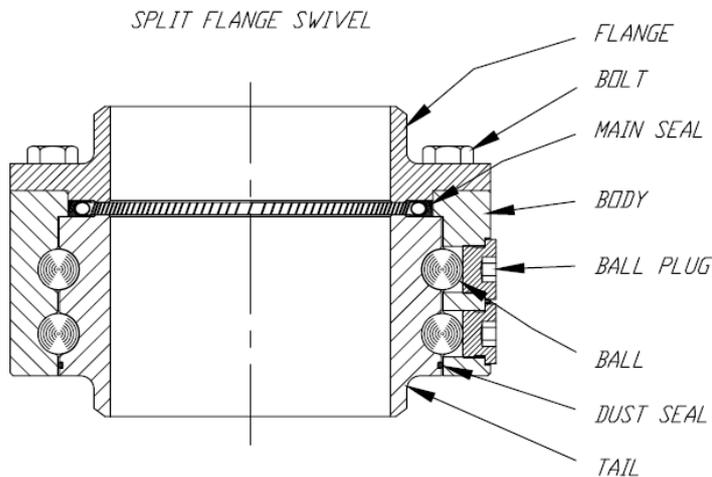
Inlet swivel Carbon steel versus Ductile Iron

Gasso uses **split flange inlet swivels in carbon steel** which are better against corrosion, you can change the seals only by opening the flange no need for taking out all the bearing balls.

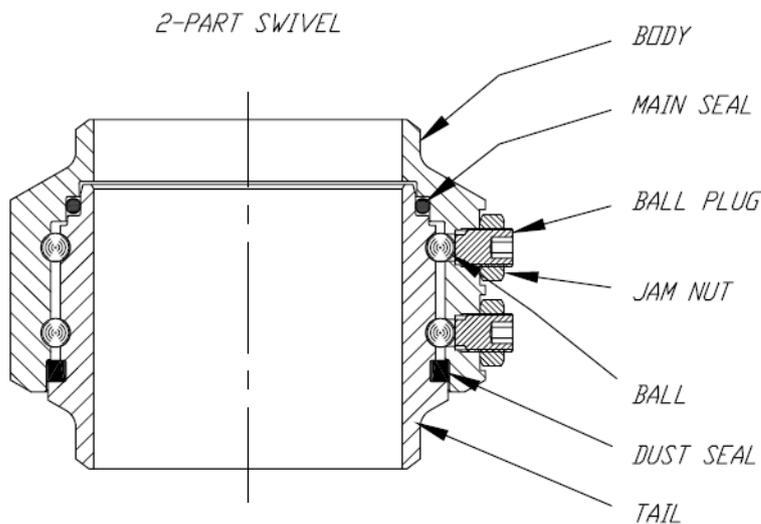
Gasso uses only 2-part design only for aluminium swivels.

Silea as standard is using **2 part ductile iron** inlet swivels not so good for corrosion but cheaper, in case of change of seals you need to take the complete swivel apart meaning all the 48 balls needs to be taken out.

GASSO SPLIT FLANGE SWIVEL BELOW



SILEA 2 PART SWIVEL BELOW





Main differences are:

Torsion balance system Gasso **quickly** to adjust versus Silea **more actions** to adjust.

In order to reduce the price Silea offers as standard:

- Components **out** (vacuum breaker) with Gasso standard included.
- Swivels for **less** working pressure (drop tube swivel) versus Gasso using only same 10 WP bar aluminium swivels.
- Swivels **not good for corrosion** (Ductile Iron inlet swivel versus Gasso Carbon Steel).
- **Complicated and time consuming** to change seals (Silea 2 part swivel versus Gasso split flange swivel).

Gasso strongly advises to get for little extra more value for money on your loading arms

