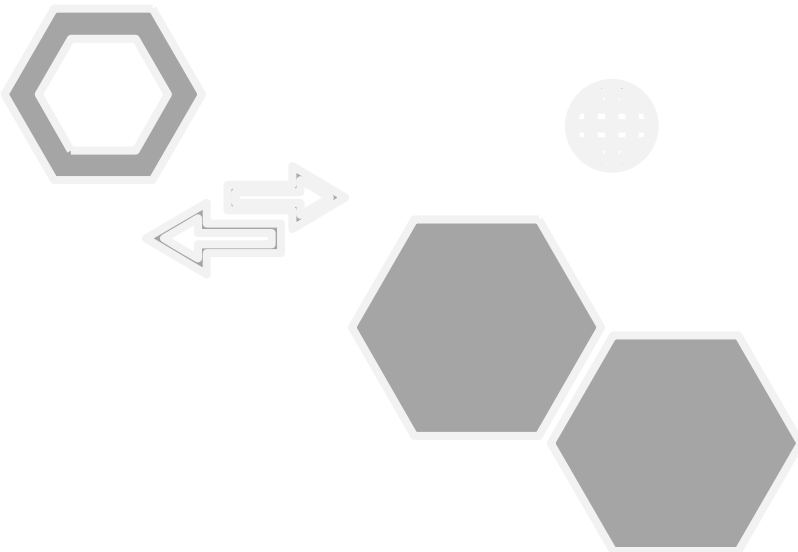


## SPRING BUFFERS



**Effective Control**  
For Industrial Applications

# TECHNICAL PROPERTIES

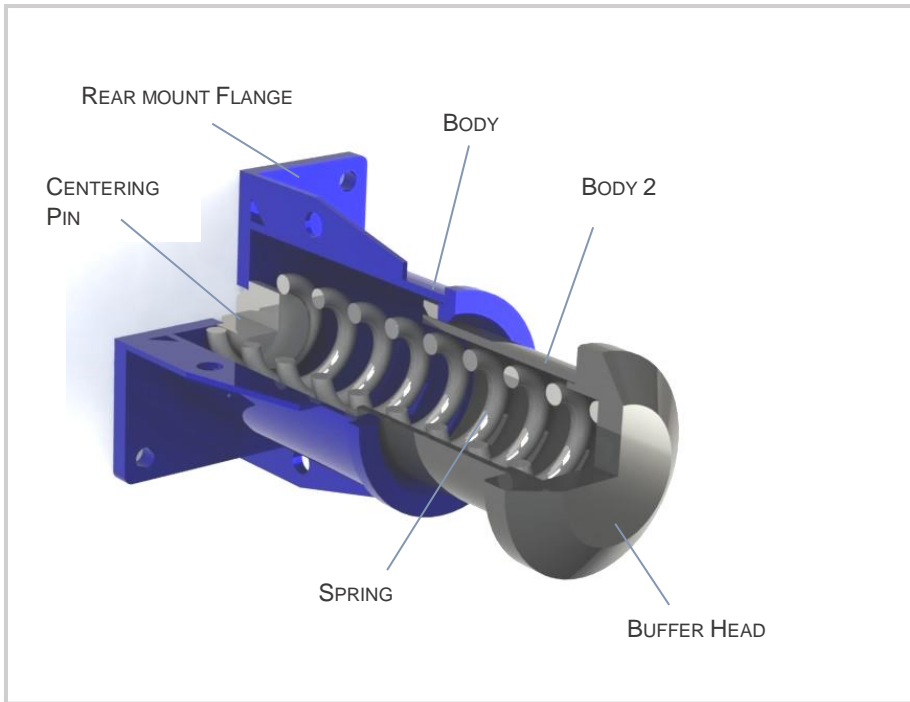
## GENERAL

ADJUSTMENT	/ SELF ADJUSTING TYPE
INSTALLATION	/ REAR MOUNT (RM)
FILLING	/ SPRING
TEMPERATURE	/ -10 C TO +80 C (STANDARD)
APPLICATION	/ OVERHEAD CRANES / TRANSFER CARS / RAILWAY APPLICATIONS



## COATING

BODY	/ SYNTHETIC RESIN / COLOR OPTIONAL / 80 µM
------	--



Crash effect is a physical factor to be avoided in mechanical structures. Energy that cannot be damped through cranes working with high kinetic energy and other rail transport systems leads to crashes and therefore, to damages in the mechanical structure, and thus significantly decreases the fatigue life of the steel structures.

Buffers used to damp the energy resulting from the crash in rail transport systems and crane systems working with various load capacities and in different velocities are very important for prolong the life of the transport system and for the security.

GL Machinery Ltd. co. Provides solutions for damping through estimations and designs in line with the related standards and international technical reports, based on the information presented by the customer. It is possible to manufacture two types of buffers as spring supported and hydraulic as well as many variations according to energy buffering capacities, strokes and connection types. In the selection of buffers, it is important to prefer the buffers with optimum values by determining the right spring and buffering coefficient.

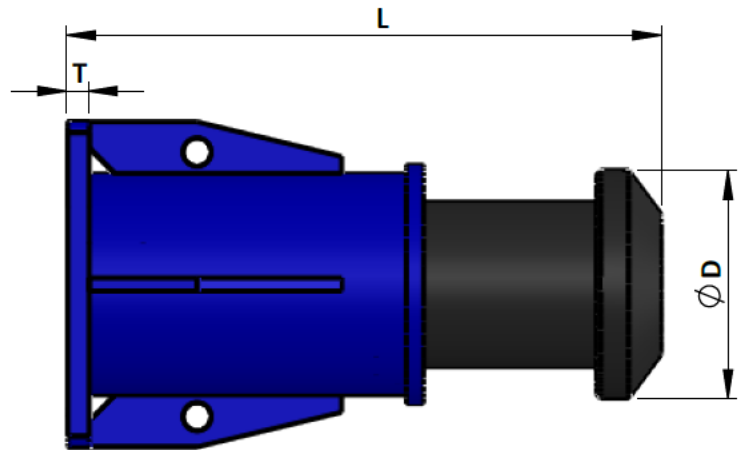
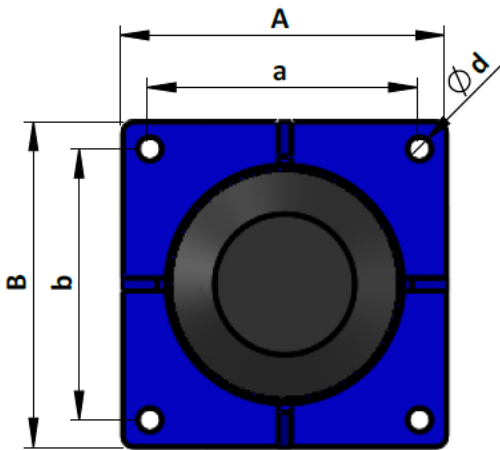
## CHOOSING A TRUE BUFFERING COMPONENT

. increases the fatigue life of the steel structure.

## BEST WAY TO MODERNIZATION

If you transmit to us technical details, we able to choose right buffering system to solve the crash problem.

## SIZE



	L "mm"	D "mm"	T "mm"	A "mm"	a "mm"	B "mm"	b "mm"	d "mm"	W Capacity/Stroke "J"	F Buffering Force "N"
<b>GLSB 0250</b>	275	105	10	150	125	150	125	11	250	5000
<b>GLSB 0500</b>	320	105	10	230	125	230	125	17	500	12500
<b>GLSB 1000</b>	400	180	12	260	180	260	180	17	1000	20000
<b>GLSB 1500</b>	400	180	12	260	180	260	180	17	1500	30000
<b>GLSB 2000</b>	400	180	15	260	180	260	180	17	2000	40000
<b>GLSB 2500</b>	400	180	15	260	180	260	180	17	2500	50000
<b>GLSB 3000</b>	440	180	15	260	180	260	180	17	3000	55000
<b>GLSB 3500</b>	470	180	15	260	180	260	180	17	3500	65000
<b>GLSB 4000</b>	470	180	15	260	180	260	180	17	4000	70000
<b>GLSB 4500</b>	470	180	15	260	180	260	180	17	4500	75000
<b>GLSB 5000</b>	470	180	15	260	180	260	180	17	5000	80000
<b>GLSB 5500</b>	520	180	20	260	180	260	180	21	5500	90000
<b>GLSB 6000</b>	520	180	20	260	180	260	180	21	6000	100000
<b>GLSB 6500</b>	600	180	20	260	180	260	180	21	6500	110000
<b>GLSB 7000</b>	600	180	20	260	180	260	180	21	7000	120000
<b>GLSB 7500</b>	600	180	20	260	180	260	180	21	7500	130000

## NOTE

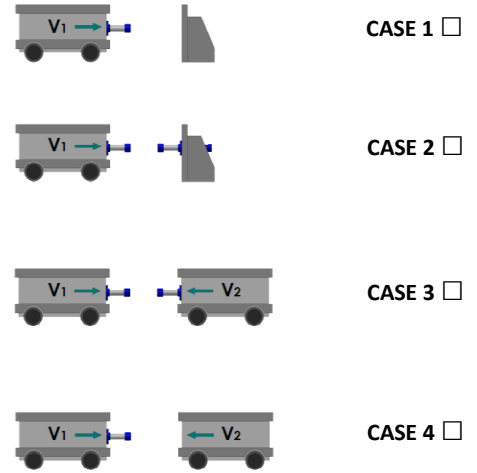
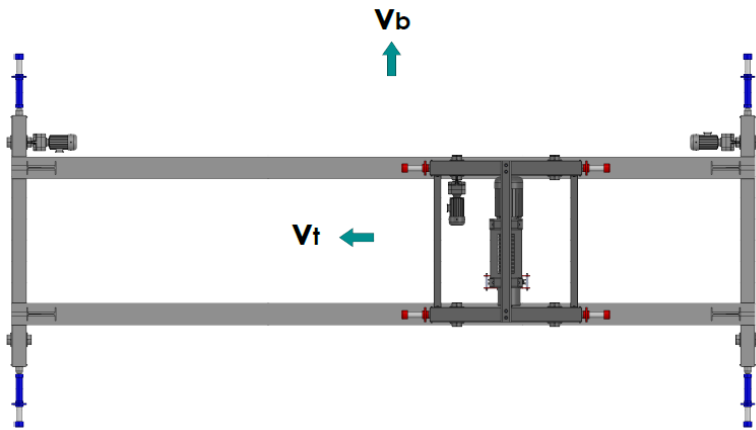
Please use hydraulic buffer for higher capacities.

**INFORMATION**

Customer : \_\_\_\_\_

Project : \_\_\_\_\_

Date : \_\_\_\_\_



<p><b>Application</b></p> <p><input type="checkbox"/> Indoor</p> <p><input type="checkbox"/> Outdoor</p>	<p><b>Flange Type</b></p> <p><input type="checkbox"/> Rear (RM)</p>	<p><b>Conditions</b></p> <p><input type="checkbox"/> Normal</p> <p><input type="checkbox"/> Aggressive</p>	<p><b>Information</b></p> <p>Max. Perm. Buffer Force: _____ kN</p> <p>Max. Perm. Deceleration: _____ m/s<sup>2</sup></p>
--	---	--	--

**Wb** 'Deadweight of the Crane' : \_\_\_\_\_ kg

**Vb** 'Velocity of the Crane' : \_\_\_\_\_ m/s

**Wt** 'Deadweight of the Trolley' : \_\_\_\_\_ kg

**Vt** 'Velocity of the Trolley' : \_\_\_\_\_ m/s

NOTES:



## **GL Makina Ltd. Co.**

Phone : +90 312 395 63 17

Fax : +90 312 395 64 17

[www.glmakina.com](http://www.glmakina.com)

[info@glmakina.com](mailto:info@glmakina.com)