POLYURETHANE BUFFERS

Effective Control
For Industrial Applications

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utku@uatek.com.tr

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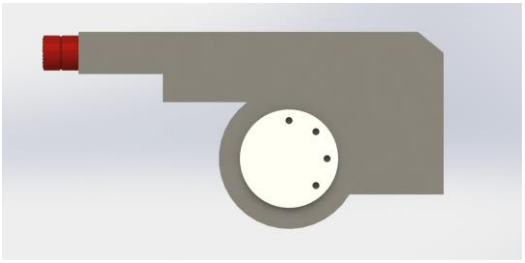
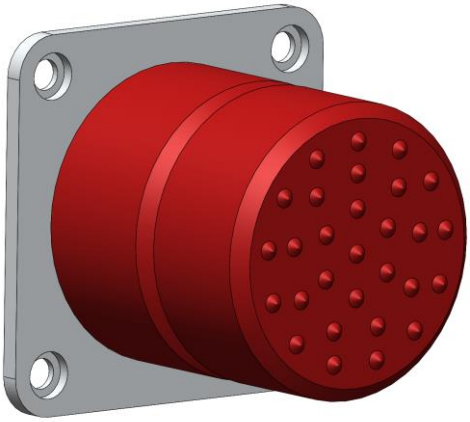
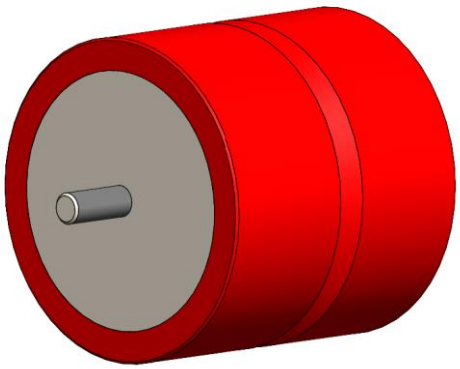
TECHNICAL PROPERTIES



GENEL	Adjustment	/ Self Adjusting Type
	Installation	/ Rear Mount with Bolt (RM)
	Filling	/ Polyurethane
	Temperature	/ -10 C to +80 C (Standard)
	Application	/ Overhead Cranes
		/ Transfer Cars
		/ Railway Applications
COATING	Body	/ Polyurethane
		Raw material color - Red





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.

UATEK 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 three types of buffers as spring supported, polyurethane 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.

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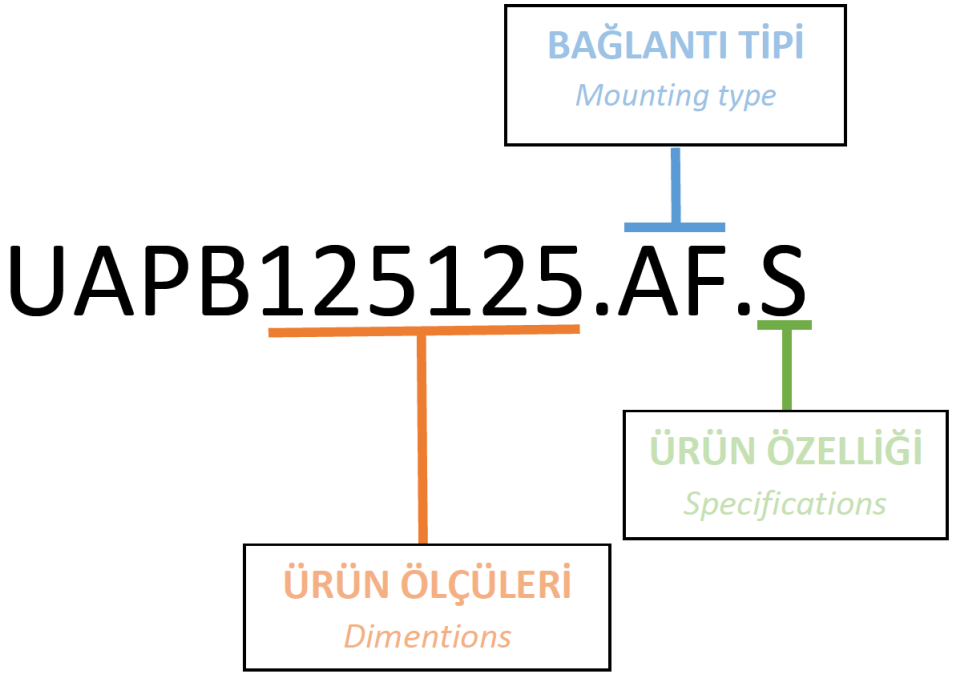
NOUN TERMINOLOGY

Ürün Ölçüleri (mm) ; *Dimentions (mm)*
080080
125125
160160
200200
250250

Bağlantı Tipi ; *Mounting type*
B : Merkezi cıvatalı *Only bolt*
AF : Alüminyum Flanşlı *Aluminum flange*
SF : Çelik Flanşlı *Steel flange*

Ürün Özelliği ; *Specifications*
S : Standart Katalog *Standard Catalogue*
CM : Müşteriye özel *Custom made*



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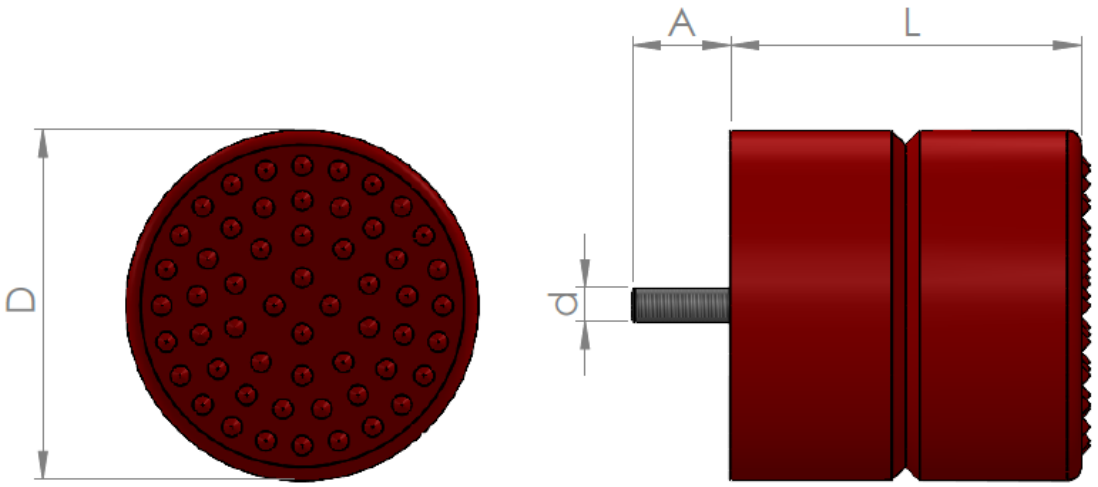
SIZE



	L "mm"	D "mm"	d "mm"	A "mm"	Weight "kg"
UAPB080080	80	80	M12	35	0,4
UAPB125125	125	125	M12	35	1,1
UAPB160160	160	160	M12	35	2,3
UAPB200200	200	200	M12	35	4,3

NOTE

Contact us for pruducts with different capacities.*Daha farklı kapasiteli ürünler için bizimle iletişime geçin.*

Contact us for different size.*Daha farklı ölçüler için bizimle iletişime geçin.*

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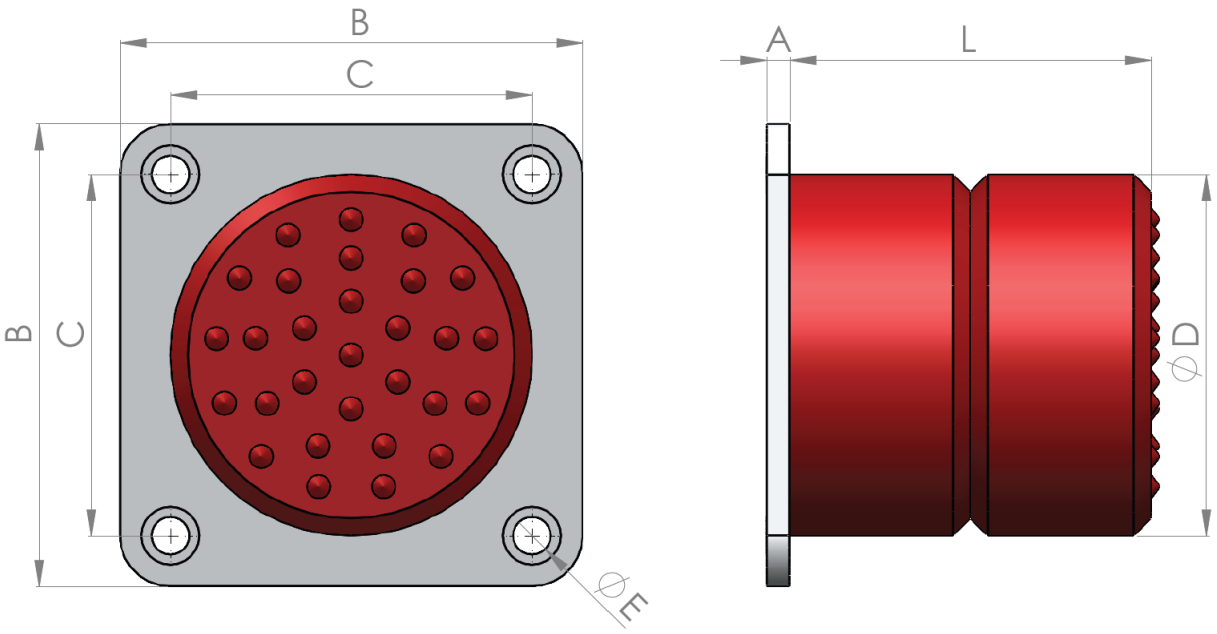
SIZE



	L "mm"	D "mm"	A "mm"	B "mm"	C "mm"	E "mm"	Weight "kg"
UAPB080080	80	80	10	100	80	11	0,7
UAPB125125	125	125	12	160	125	14	1,8
UAPB160160	160	160	12	200	160	14	2,6
UAPB200200	200	200	15	250	200	18	4,4
UAPB320320	320	320	20	360	320	21	22

NOTE

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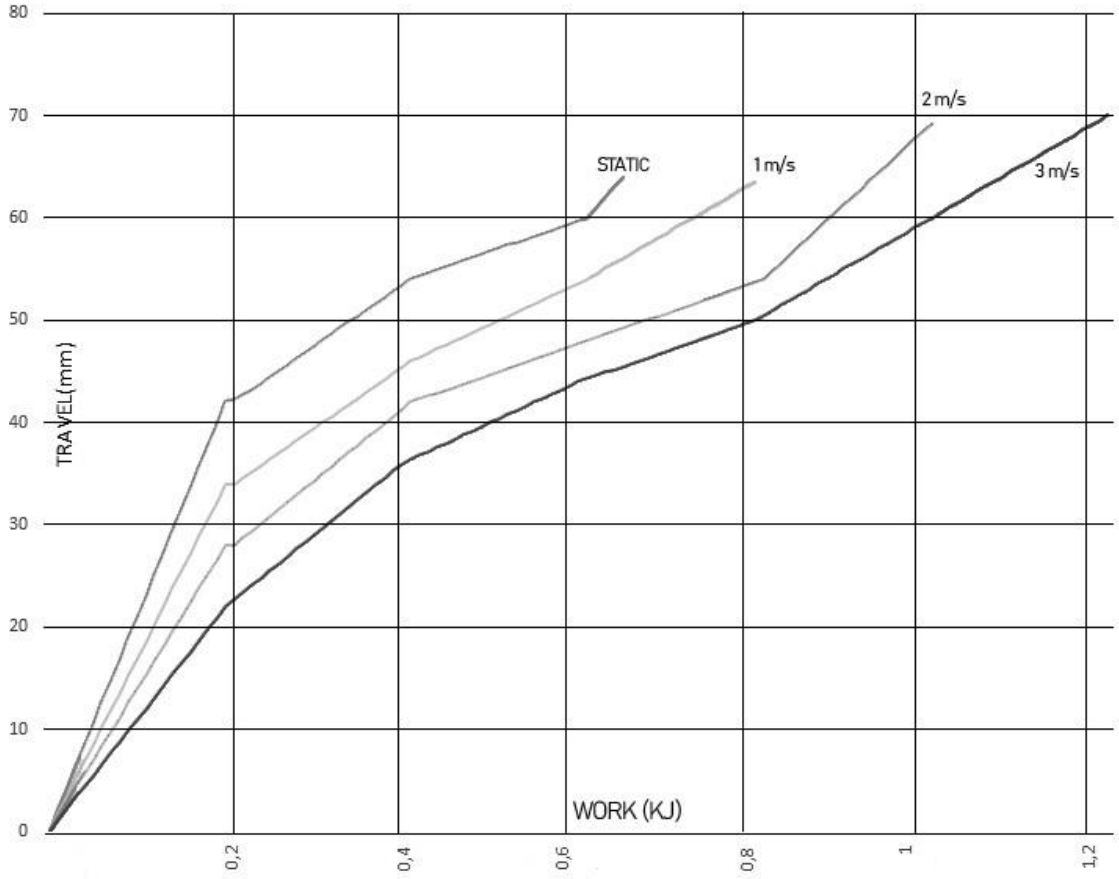
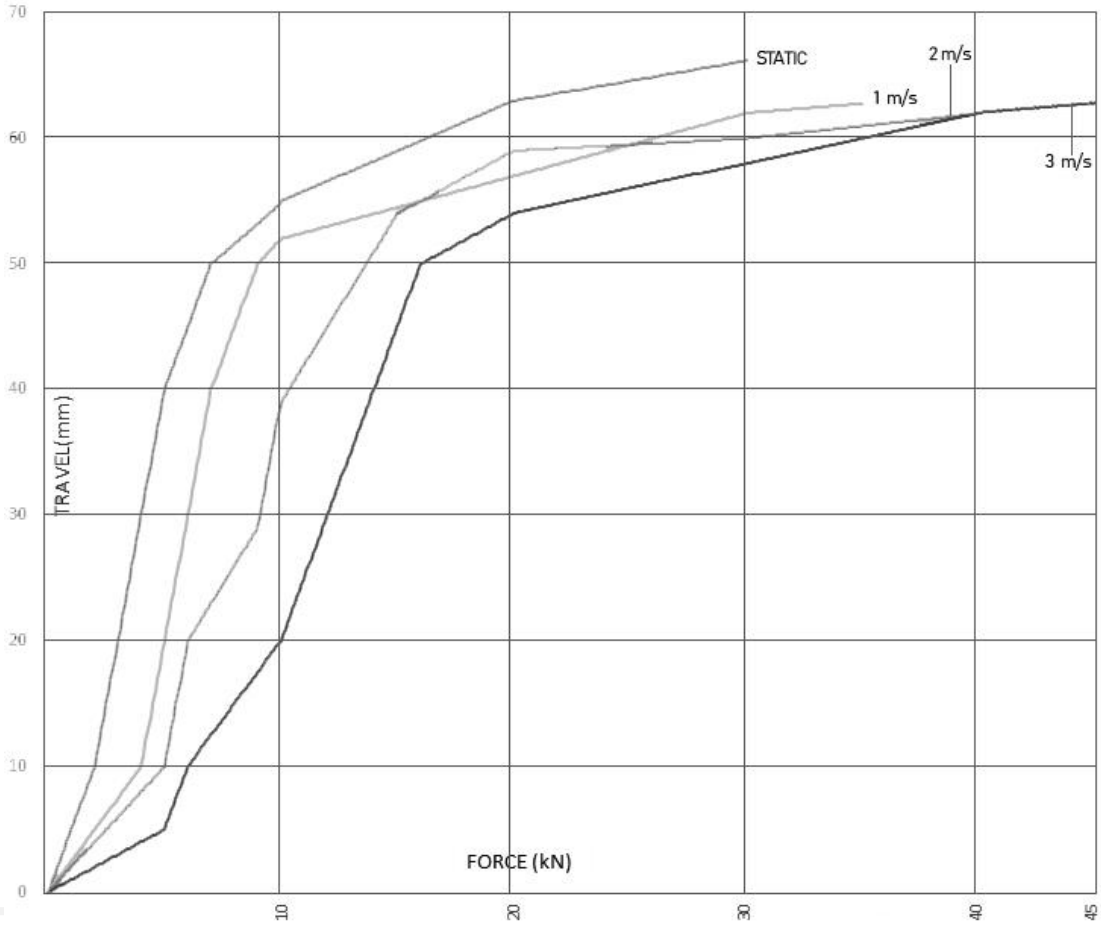
GLSB080080 Enerjy absorbtıon



GLPB080080 MAX. LOAD



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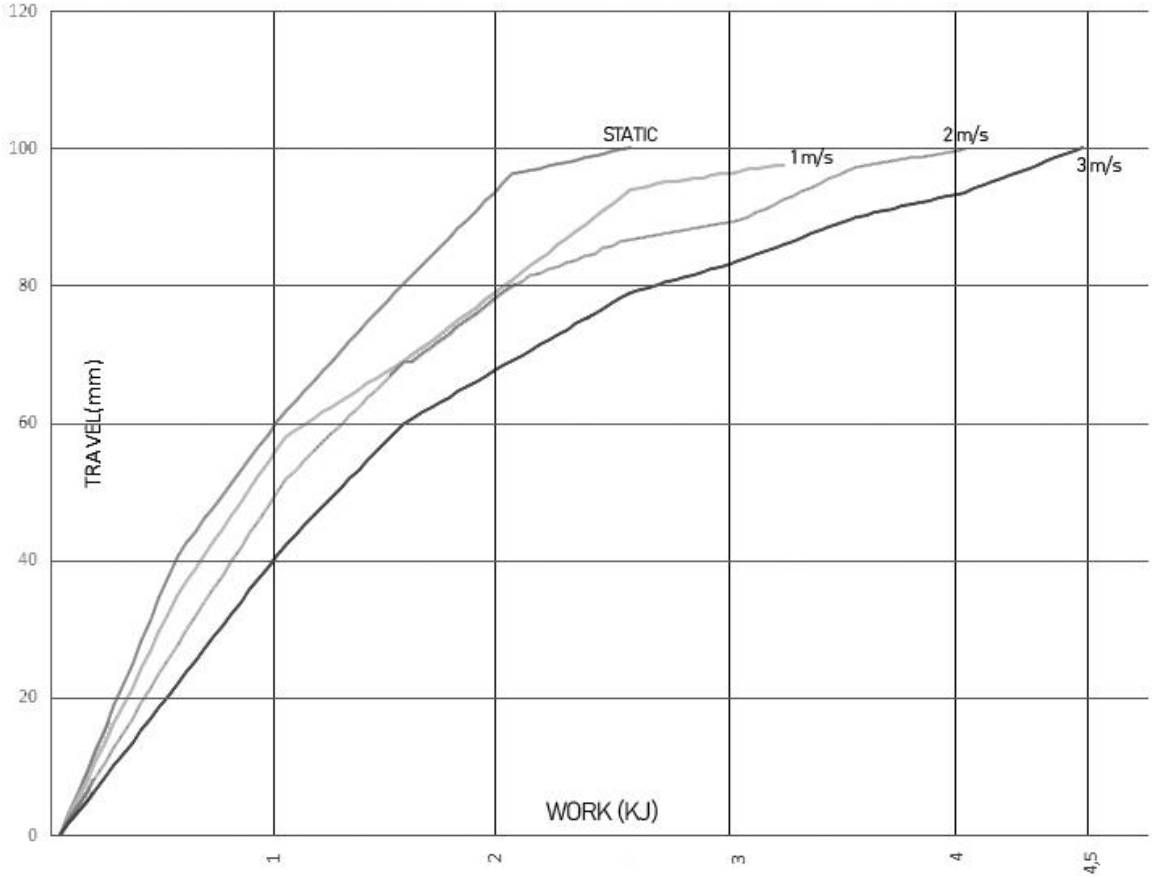
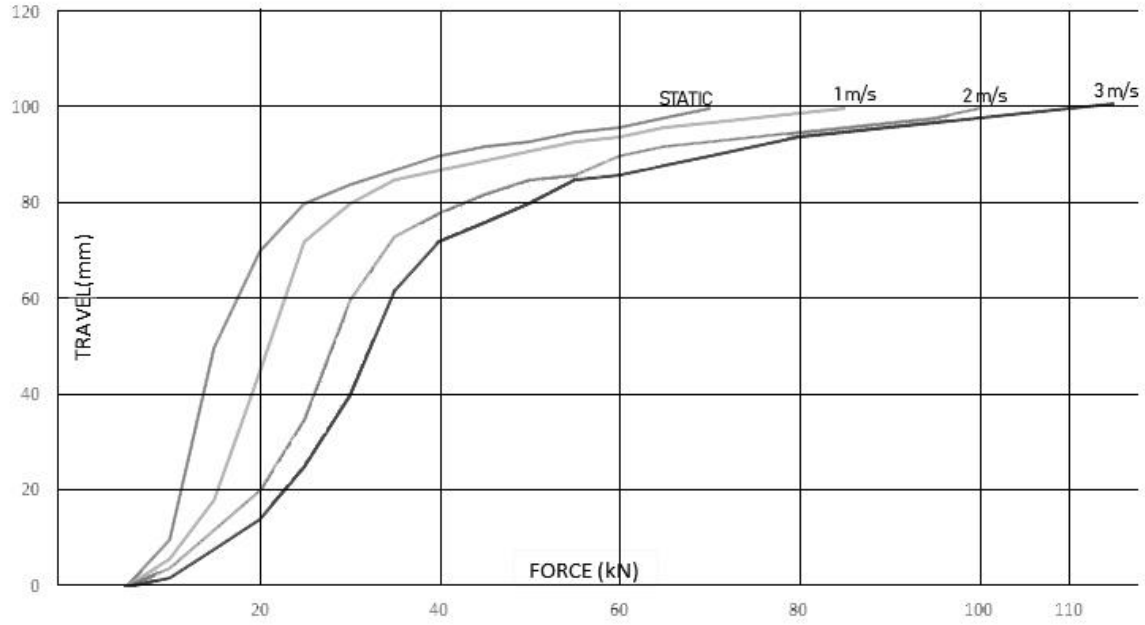
GLSB125125 Enerjy absorbtion



GLPB125125-MAX. LOAD



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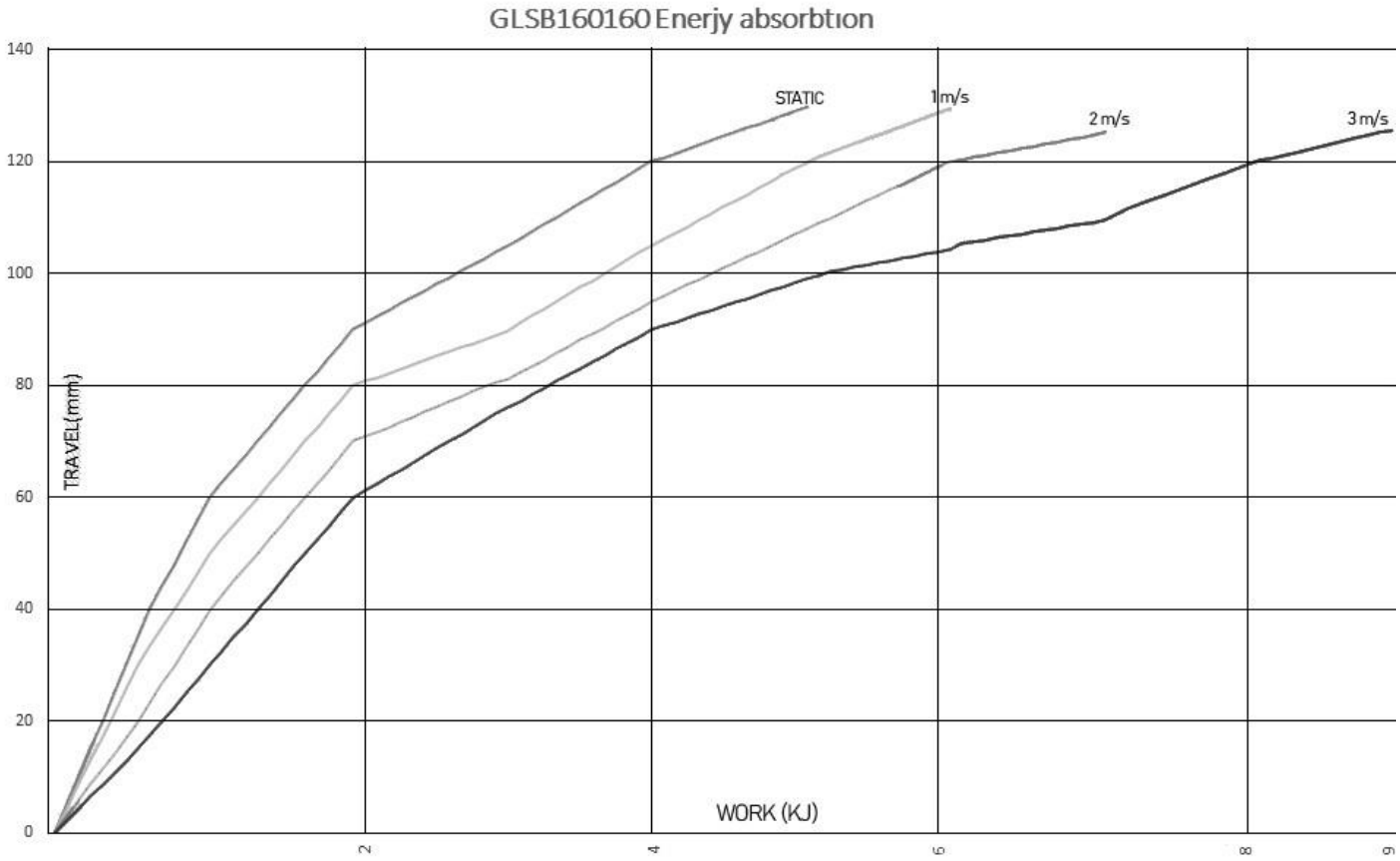

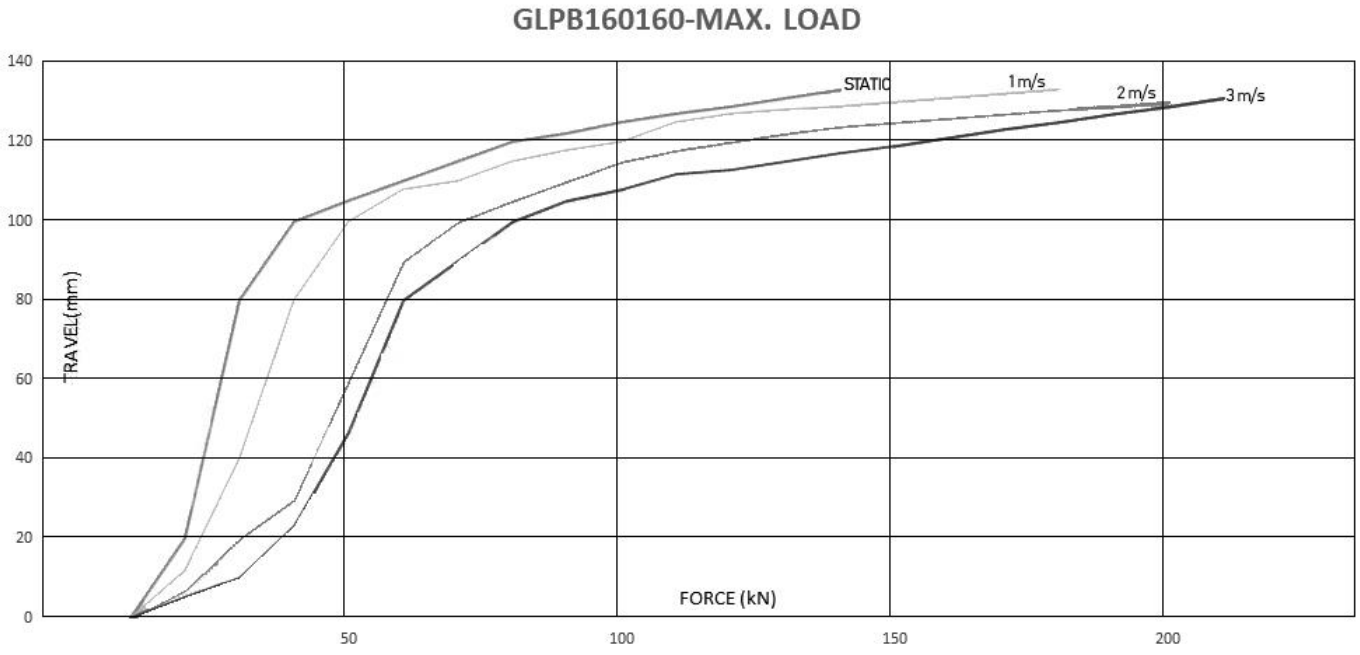

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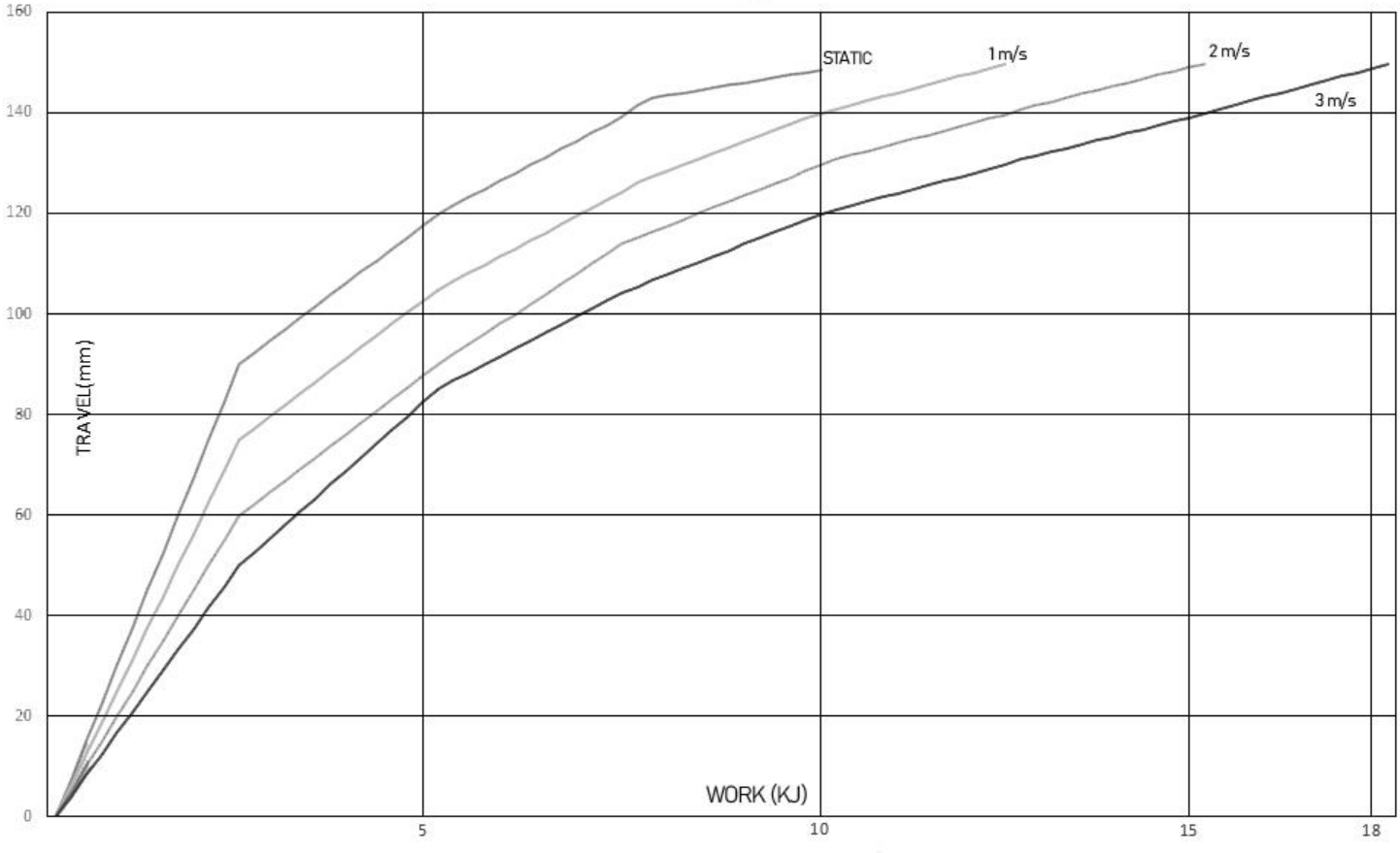
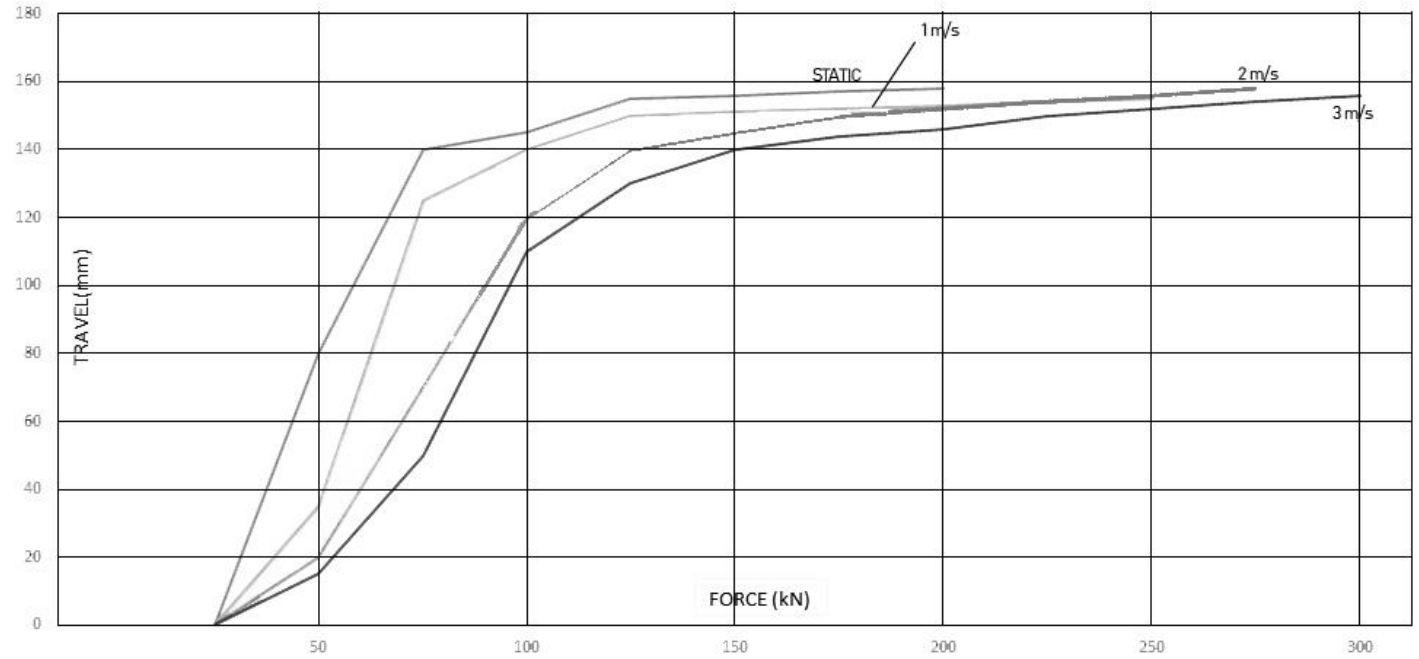
GLSB200200 Enerjy absorbtion



GLPB200200-MAX. LOAD



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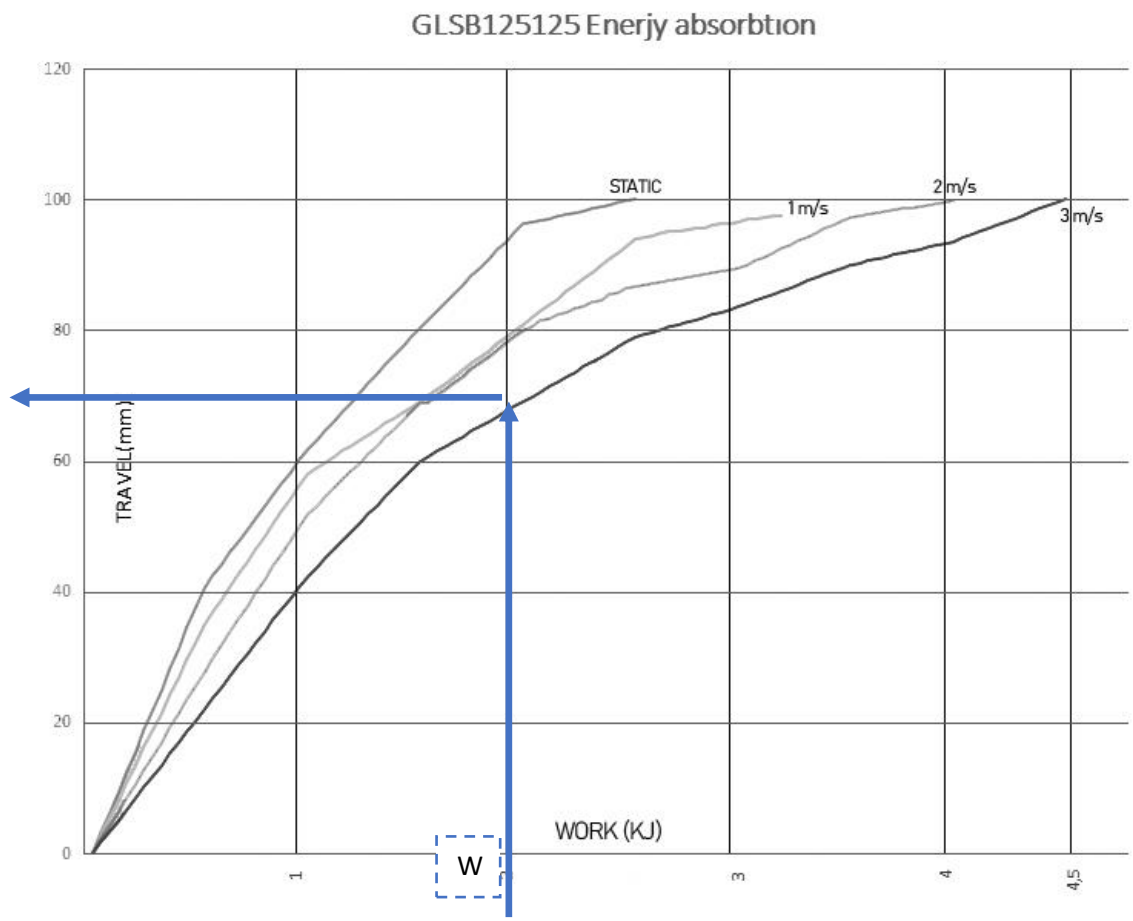
CALCULATION EXAMPLE



- Enerjy Calculate per buffer **W: 1/2 m V²**

- Follow the diagram from the product chart of your choice

- Verification

T < 0.8 x L

F < F_{max} of the Crane structure

a < a_{max}

W : Energy (J)

T : Travel (mm)

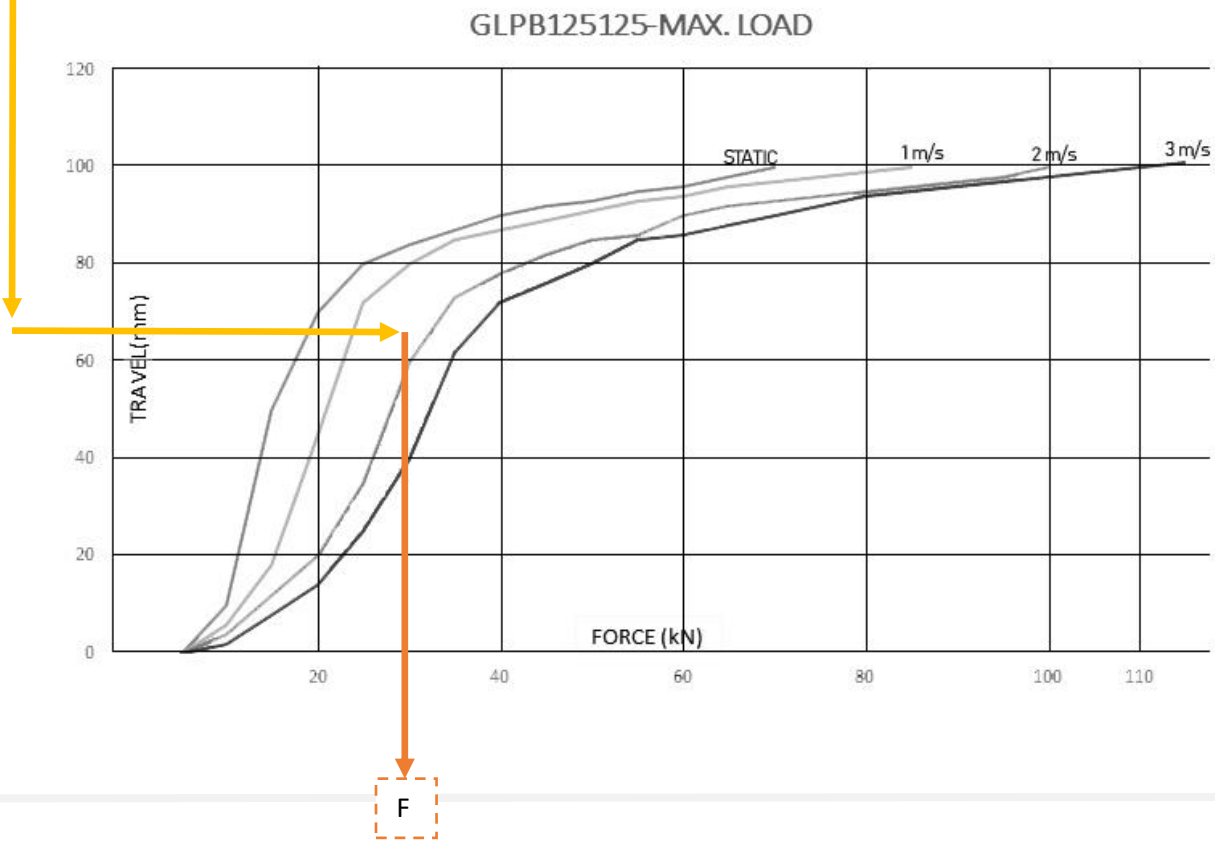
F : Force (kN)

V : Velocity (m/s)

M : mass (kg)

L: Buffer height (mm)

A : Deceleration (V^2 / 2s)



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utku@uatek.com.tr

+90 533 164 5458

UATEK MÜHENDİSLİK İMALAT LTD.ŞTİ

utku@uatek.com.tr

+90 533 164 5458