

# Pyrotechnical actuator

for active hinges

- Linear pushing
- Highly customizable actuator force
- Mounting via customized bracket
- Customized cable confection



## Key functional parameters

Actuator qualification:	Acc. AK-LV34:2011
Piston stroke:	40-115mm
Operation temperature:	-40°C up to +95°C
Hold force at end position:	Depending of force and stroke
Piston resettable	No
Performance:	min. 10 ms (40 mm)   min. 25 ms (115 mm) against 6 kg weight *
Electrical connection:	Leadwire (customizable)
Protection class:	IPX9K acc. ISO 20653:2013
Surface protection (corrosion resistance):	Acc. ISO 19598 ZnNi (transparent) Salt spray test acc. DIN EN ISO 9227:2017-07 (customizable)
Dimensions:	~Ø20x Stroke +50mm
Weight:	~100g-300g **


\* measured in ballistic drop tower

\*\* depending on customizable bracket and cable confection

## Pyrotechnics:

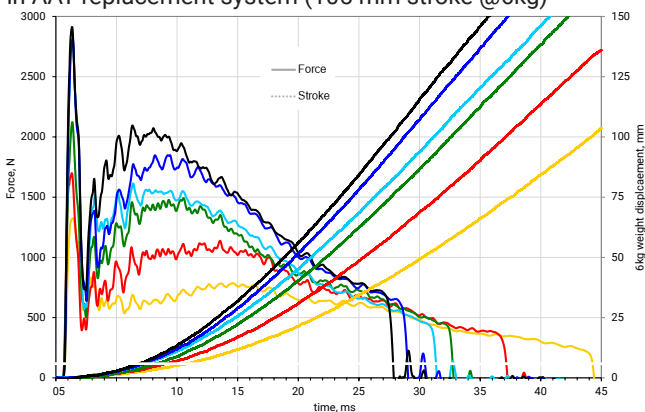
Igniter type:	HWI – (GTMS) igniter
Igniter qualification:	acc. AK-LV16:2012 and USCAR-SAE28
Igniter resistance:	2.1Ω ± 0.4Ω
Igniter parameter "No fire"	≤0.4A ≤5A for ≤4μs
Igniter parameter: "All fire"	1.75A to 40A for 0.5ms ≥1.2A for ≤2ms

### Customization:

Cable confection:	<p>In serial production:          twisted cable (length of lay customizable)          with protective tube (cable length 160–500mm)          or          sheated cable (length of lay 20mm)          cable length 160-180mm</p> <p>Connector customer dictated part</p>
Bracket (mandatory):	<p>Customer specific design          Design examples:</p>  <p>Annotation: it's not possible to use this actuator without bracket</p>
Part marking:	Serial production: main label, cap label
Customer add-on parts:	Cable tie, cable clip, connector clip, cable grommet, ...

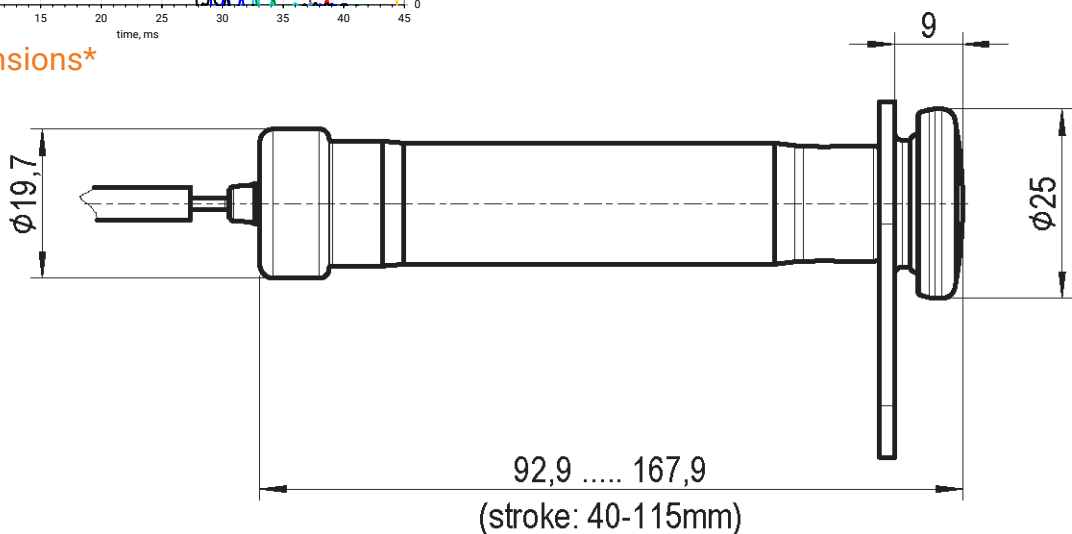
### Schematic lift-up curve

in AAT replacement system (105 mm stroke @6kg)



### Outline dimensions\*

\*in mm



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