

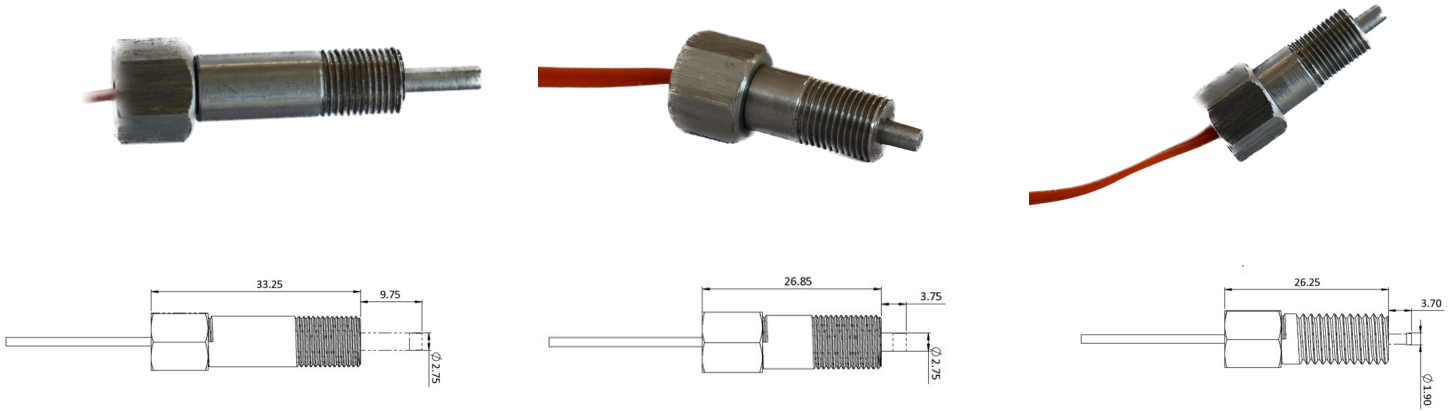
PYROTECHNIC PISTON ACTUATORS



TULPAR SPACE
AVIATION & DEFENCE

- Pyrotechnic Piston Actuators mechanically move the piston inside the pyrotechnic material actuator within milliseconds when fired with an electric current.
- Aerospace and Defense Applications: Explosive piston actuators are widely used in aviation and defense systems for various purposes such as payload deployment, missile launch, emergency escape mechanisms, satellite release systems, etc.
- Vehicle Stage and Cover Separation: Explosive piston actuators are used to push vehicle stages and covers during space launches or aviation missions.
- Marine and Underwater Operations: Explosive piston actuators can be used to trigger various mechanisms, release payloads, or facilitate underwater operations in marine and underwater applications.
- MIL-STD-1316B, MIL-STD-1901A, NASA-STD-8719.24A.

TECHNICAL SPECIFICATIONS	TP-PA-10	TP-PA-3	TP-PA-3-1
PISTON LENGHT	10mm	3.5mm	3,5mm
OUTER DIAMETER	M8X0.75	M8X0.75	M8X1.25
PISTON POWER	>1.5-3 kN	>1.5KN	>1.5KN
IGNITION TYPE	1.0A, ALL FIRE 1A, NO FIRE	1.0A, ALL FIRE 1A, NO FIRE	1.0A, ALL FIRE 1A, NO FIRE
BRIDGE RESISTANCE	1.4 - 1.6 (ALL FIRE)	1.4 - 1.6 (ALL FIRE)	1.4 - 1.6 (ALL FIRE)
	0.15 - 0.25 (NO FIRE)	0.15 - 0.25 (NO FIRE)	0.15 - 0.25 (NO FIRE)
NO FIRE (10S)	≤0.18A (10 sec)	≤0.18A (10 sec)	≤0.18A (10 sec)
ALL FIRE (10MS)	≥ 1A (10 ms)	≥ 1A (10 ms)	≥ 1A (10 ms)
OPERATION TEMPETURE	-68°C ile +104°C arası	-68°C ile +104°C arası	-68°C ile +104°C arası



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