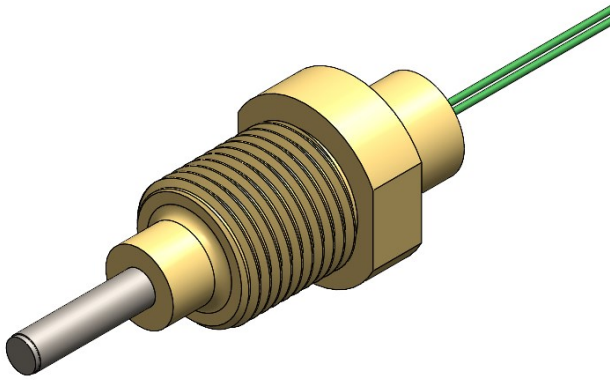
DR2039 METRON ACTUATOR

Chemring Energetics UK



The Chemring Energetics UK range of Metron Actuators are used globally across a variety of sectors – Fire Suppression, Security and Safety, Automotive, Aerospace and Defence.

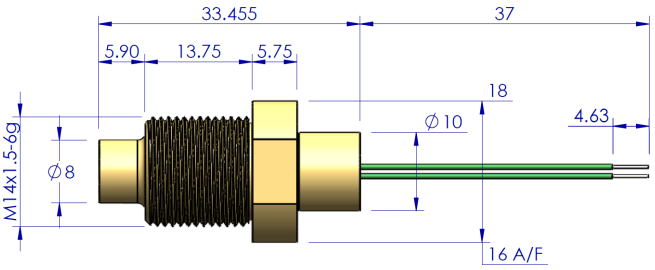
Each device uses the rapid expansion of hot gas evolved from a combustion of a small pyrotechnic charge to drive a piston with very high thrust. They operate within milliseconds of receiving an appropriate electrical impulse, a rate which is almost impossible to achieve with a mechanical source of energy.
Primarily used to provide a linear protracting motion but can be adapted to pull, cut, shear or release when installed in a suitable mechanism.

All Pyrotechnic effects are contained within the body of the device and there is no external gas of flame resulting from ignition of the charge. As such these devices are excluded from UN Hazard Class 1 Explosives and can be transported, in their approved pack, by normal parcel post and require no special provision for storage

- Suitable for automatic or remote controlled applications
- Robust design for harsh mechanical & climatic environments
- Compatibility with hazardous atmospheres
- Very high energy density
- Compact size & low mass
- Low maintenance
- Good longevity
- High Reliability

Technical Details	
Available Cable Finishes:	C64
Minimum Work Output (Joules):	6.86
Typical Peak Thrust (Newtons):	1600
Minimum Stoke Length (mm):	14
Shelf Life (ambient):	10
Operating Temperature (°C):	-40 to +80
Resistance Range (Ohms):	0.65—1.3
Max No Fire Current (Amperes):	5 sec Pulse: 1A1W
Recommended Series Firing Current (Amperes):	5

Shipping Information (in approved packaging)	
Explosive Hazard Class:	Excluded from Class 1
Minimum Order Quantity:	200
Estimated Net Weight (kg):	6.20
Estimated Gross Weight: (kg):	7.40
Box Dimensions (cm):	25 x 17 x 15



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For more information visit:
www.chemring.com/chemring-energetics-uk