

PDI - Actuators

Product Overview

PneuDrualics, Inc. (PDI) is a leading manufacturer of **aerospace actuators**, including customizable **dual acting hydraulic actuators** and versatile **utility actuators**. These aerospace-grade parts deliver precise and reliable motion control for **hydraulic systems** including **flight control, landing gear, steering, and door actuation** applications.

Product Examples



**Nose Landing Gear
Down Lock Actuator**



**Main Landing Gear
Actuator**



**Thrust Reverser
Actuator**



**Ground Spoiler
Actuator**

Features

✓ Configurations

Balanced and unbalanced variants

✓ Position Sensing

Optional LVDT sensors

✓ End-Stroke Snubbing

Reduces impact at stroke limits

✓ Locking Features

Extend, retract or dual locking

✓ Durability

Operating pressures up to 5000 PSI

✓ Low-Leak Sealing

Minimal internal leakage rates

Configuration Examples

Extend Stall Force	Retract Stall Force	Fluid	Retract Length	Locking	Snubbing
26,743 lbs	13,486 lbs	MIL-PRF-87257	30.05 in	Extend	Yes
13,466 lbs	9,741 lbs	MIL-PRF-87257	13.84 in	No	No
10,932 lbs	8,512 lbs	SKYDROL	13.03 in	No	Retract
9,359 lbs	4,924 lbs	MIL-H-5606	25.00 in	Extend	No
8,222 lbs	3,377 lbs	MIL-PRF-87257	26.19 in	Retract	No
6,642 lbs	2,978 lbs	SKYDROL	17.16 in	No	No
6,239 lbs	4,678 lbs	MIL-H-5606	20.12 in	No	Both
5,256 lbs	5,256 lbs	MIL-PRF-83282	10.80 in	No	No
4,403 lbs	3,491 lbs	MIL-H-5606	8.00 in	Retract	No
2,935 lbs	2,350 lbs	MIL-H-5606	5.13 in	No	Retract
435 lbs	553 lbs	MIL-H-5606	4.47 in	No	No

Contact Us

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