The Festo DSNA is Festo’s cost optimized NFPA interchangeable pneumatic cylinder. The corrosion resistant and robust design along with a wide range of options makes it ideal for OEMs. Festo manufactures this range of NFPA cylinders in the USA, providing reliable quality and delivery you can count on.

**Highlights**

- 303 stainless steel, hard chrome-plated piston rod
- Anodized aluminum body and end caps
- Low friction Nitrile seals
- Premium lubrication for maintenance-free performance
- Oil-impregnated piston rod bushing and seals
- Air cushioning and magnetic piston are standard

**Performance and reliability**

Superior performance due to 303 stainless steel piston rod, stainless steel tie-rods and anodized aluminum housing and end caps provide corrosion resistance and long life.

Oil-impregnated piston rod bushing and low friction seals create a pneumatic cylinder with efficient performance, superior service life and reliability.

Premium lubrication and hard anodized cylinder ID provides excellent running characteristics and outstanding efficiency.

**More applications**

DSNA offers direct interchangeability with NFPA cylinders.

Available in a range of bore sizes from 1.5” to 4”, stroke lengths up to 20” as standard.

Corrosion resistant construction and special rod bushing make it suitable for harsh environments and high workload applications like stamping, construction and packaging.

A wide range of NFPA interchangeable mounting styles and variants to suit many applications.
NFPA interchange cylinder DSNA

DSNA interchangeable cylinders at a glance, key product feature overview

**Bore sizes:**
- 1.5"
- 2"
- 2.5"
- 3.25"
- 4"

**Available variants:**
- Double rod
- Viton seals
- Choice of rod thread
- Piston rod length extension

**Available mounting options:**
- MF1 Flange plate, bearing cap
- MF2 Flange plate, end cap
- MP1 Swivel bearing
- MP2 Swivel mounting
- MS1 Foot mounting
- MS4 Direct mounting threads
- MP4 Detachable eye
- MT4 Mid Trunnion
- MX2 Extended tie rods - cap side
- MX3 Extended tie rods - head side

**Available accessories:**
- Rod eye
- Rod clevis
- Pivot pin
- Self-aligning rod coupler
- Magnetic solid state sensors with LED
- Pre-wired and quick disconnect styles
- Sourcing PNP 6-24 V DC
- Sinking NPN 6-24 V DC
- Sensor mounting bracket

**Built-in value:**
- Adjustable air cushions come standard
- Magnetic piston for position sensing standard

**Designed for long life:**
- Internally lubricated Nitrile seals
- Lubricated for life with Magnalube®-G grease
- PTFE piston wear band standard to support side loads
- Composite bushing provides self-lubrication of piston rod

**Robust piston rod:**
- Hard chrome-plated 303 stainless steel shaft
- Roll-formed rod thread enables high strength connections

**Anodized barrel**
- Hard anodized ID provides smooth, low friction surface for piston seal. Improving performance and cycle life
- Clear anodized OD offers additional corrosion resistance

**Corrosion resistant design:**
- Anodized aluminum barrel and end caps
- Stainless steel tie-rods and piston rod
- Composite rod bushing

**Flexibility to fit most applications:**
- Variety of NFPA interchange mounting option as per ANSI NFPA specification
- Single or double rod with several rod end thread variants
- Optional viton seals suitable for high temperatures and chemical resistance

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