# NitroSprings

# PACKED WITH ADVANCED FEATURES, NITROSPRINGS PROVIDES UNRIVALLED PERFORMANCE, FUNCTIONALITY AND DURABILITY...

The various features available to this range offers the perfect solution; from advanced sealing systems that provide ultimate durability, to the versatility of being able to accurately adjust gas spring force in situ. Not to mention, our full service, including design, application consultancy, and prototyping means we provide more than just a product.

#### STANDARD TECHNICAL SPECIFICATIONS

**Custom NitroSprings available upon request** 

	Range Overview				
	NS-20-40	NS-SS-20-40	NS-16-40	NS-SS-16-40	
Rod Diameter:	20mm	20mm	16mm	16mm	
Body Diameter:	40mm	42mm	42mm	42mm	
Stroke Lengths:	Up to 900mm		Up to 900mm		
Threads:	M14x1.5x15mm		M14x1.5x15mm		
Force Range:	300 - 5000N		200 - 3600N		
Force Progression:	40 - 50%		15 – 20%		
Extension Speed:	~0.3m/s		~0.3m/s		
Working Temp. Range:	-30°C − 80°C		-30°C − 80°C		
Material:	Carbon Steel	Stainless Steel 316	Carbon Steel	Stainless Steel 316	
Rod:	Chrome Plated	Chrome Plated	Chrome Plated	Chrome Plated	
Body Finish:	Black Powder Coating	Stainless Steel 316	Black Powder Coating	Stainless Steel 316	
Guarantee:	2 years against manufacturing defects		2 years against manufacturing defects		
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NS-20-40 - Adjustable Forces						
Catalogue Code	Force Range N	Stroke Length (S) mm	Extended Length (L) mm			
NS-20-40-100	300 - 5000N	100	311			
NS-20-40-150		150	411			
NS-20-40-200		200	511			
NS-20-40-250		250	611			
NS-20-40-300		300	711			
NS-20-40-350		350	811			
NS-20-40-400		400	911			
NS-20-40-450		450	1011			
NS-20-40-500		500	1111			
NS-20-40-600		600	1311			
NS-20-40-700		700	1511			
NS-20-40-800		800	1711			

NS-16-40 - Adjustable Forces					
Catalogue Code	Force Range N	Stroke Length (S) mm	Extended Length (L) m		
NS-16-40-100	200 - 3600N	100	311		
NS-16-40-150		150	411		
NS-16-40-200		200	511		
NS-16-40-250		250	611		
NS-16-40-300		300	711		
NS-16-40-350		350	811		
NS-16-40-400		400	911		
NS-16-40-450		450	1011		
NS-16-40-500		500	1111		
NS-16-40-600		600	1311		
NS-16-40-700		700	1511		
NS-16-40-800		800	1711		
NS-16-40-900		900	1911		

New low force progression version





#### **Nitro**Springs **FORCE ADJUSTMENT**

Using the cylinder side located PAV (Precision Adjustment Valve), the following accessories provide the means to simply reduce the force, or the ability to increase and reduce the force.



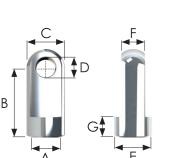


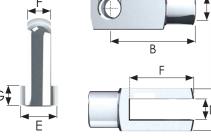
### STANDARD END FITTINGS

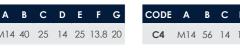
Туре	Material	Code
Ball Joint		B16
Eye End	Steel	E14
Clevis Fork	rk	
Pose Eve		DF16

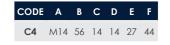
Stainless steel 316 material available

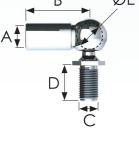


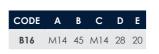


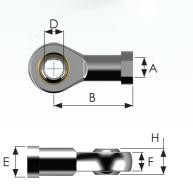


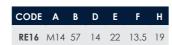
















Available, serviced and supported through the Lesjöfors global distribution network.

**METRO** 



Field Testing















## LONG STROKE, HEAVY DUTY GAS SPRINGS

Standard Stock Brochure



