



Norbro[®] Rack and Pinion Pneumatic Actuators

Quick-Ship Program — Europe



Experience In Motion

High-performance Norbro pneumatic actuators ship in one week or less

Speed is everything during routine maintenance and emergency repairs. Every hour of downtime can cost your operation millions in revenue. Getting replacement parts quickly could mean sacrificing quality for speed.

But that's not the case with Norbro pneumatic actuators.

With the Norbro Pneumatic Actuator Quick-Ship Program, you'll receive quality, Flowserve manufactured and tested actuators anywhere in Europe — typically in one week or less. And in many cases, we can ship actuators within 48 hours, so you can reduce downtime and keep your operation moving.

Reduced maintenance-related downtime

The most common sizes and configurations of the Norbro pneumatic actuators, double acting or spring return, can be shipped to you in one week or less, minimizing downtime and allowing you to return to operations faster. Delivery times vary, depending on your application, configuration and geographic location.

Get high-quality actuators fast, without compromises

With the Norbro Pneumatic Actuator Quick-Ship Program, you'll have confidence that you're getting proven Norbro quality. All actuators supplied under the program are made from high-quality materials and tested to meet stringent Flowserve requirements. They also conform to ATEX 94/9/EC equipment group II, category 2 (non-mining) and are certified to IEC 61508 to SIL level 3.

Superior performance

Norbro rack and pinion pneumatic actuators offer superior control performance with limit stops in both stroke directions. Interchangeability of mounting kits and greater mechanical strength are enabled by a standard ISO 5211 mounting pattern with star or square drive output. Minimal wear, safety and superior service life are provided by a unique moving guide rod design.



Available configurations

Model code	Model code
05-RKA40-1SD0N0-B	25-RDA40-1SD1E0-E
05-RKB40-1SD0N0-B	25-RDC40-1SDMN0-E
10-RDA40-1SDMN0-E	30-RDA40-1SDMN0-D
10-RDA40-1SD1E0-E J-SWITCH	30-RDA40-1SD1E0-D
10-RDA40-1SD1N0-E	30-RDB40-1SDMN0-D
10-RDB40-1SDMN0-E	30-RDB40-1SD1E0-D
10-RDB40-1SDBE0-E	30-RDC40-1SDMN0-D
10-RDB40-1SD1E0-E J-SWITCH	30-RDC40-1SD1E0-D
15-RDA40-1SDMN0-D	33-RDA40-1SDMN0-D
15-RDA40-1SDBE0-D	33-RDB40-1SDMN0-D
15-RDA40-1HDBE0-D	33-RDC40-1SDMN0-D
15-RDA40-1SD1E0-D J-SWITCH	33-RDB40-1SD1E0-D
15-RDB40-1SDMN0-D	33-RDB33-1SD1Z0-D
15-RDC40-1SDMN0-D	33-RDD40-1SDMN0-D
15-RDB40-1SDBE0-D	35-RDA40-1SDMN0-D
15-RDB40-1SD1E0-D	35-RDA40-1SD1E0-D
20-RDA40-1SDMN0-D	35-RDB40-1SDMN0-D
20-RDA40-1SD1E0-D J-SWITCH	35-RDB40-1SD1E0-D
20-RDB40-1SDMN0-D	35-RDC40-1SDMN0-D
20-RDB40-1SDMN0-D Z920	40-RDA40-1SDTN0-A
20-RDC40-1SDMN0-D	40-RDA40-1SD1E0-A
20-RDB40-1SDBE0-D	40-RDB40-1SDTN0-A
20-RDB40-1SD1E0-D J-SWITCH	40-RDC40-1SDTN0-A
25-RDA40-1SDMN0-D	40-RDD40-1SDTN0-A
25-RDA40-1HDMN0-E	40-RDB40-1SD1E0-A
25-RDB40-1SDMN0-D	42-RDB40-1SD1E0-0
25-RDB40-1SD1E0-E	42-RDC40-1SDTN0-0

If you need an actuator type not listed here, please contact your local Flowserve representative. Rapid conversions (i.e., spring configurations, reverse direction of operation, fast acting) and other delivery options may be available via the Quick-Ship program.



Norbro Series 40R and 33 actuator product code

FIELD A Size			FIELD C Product series					FIELD D Variations				FIELD E Variations				
Digits 1 and 2			Digits 7 and 8													
A			B			C		D				E				
SIZE	I	ROTATION	BODY	FUNCTION	PRODUCT SERIES	I	FINISH	TEMPERATURE	INLET ENDCAP	SWITCH ENDCAP	PINION DRIVE	STANDARD OPTIONS	I	REVISION		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
05 Norbro actuator 30 Norbro actuator 10 Norbro actuator 33 Norbro actuator 15 Norbro actuator 35 Norbro actuator 20 Norbro actuator 40 Norbro actuator 25 Norbro actuator 42 Norbro actuator			40 - Product code 40R 33 - Product code 33R 33 - Product code 33					Digit 10 Finish 1 - Standard gold body/black endcaps (anodized) 2 - Epoxy coated 3 - PVC coated X - Special finish Digit 11 Temperature S - Standard -20°C to 100°C (-4°F to 212°F) H - High-temperature -20°C to 150°C (-4°F to 302°F) L - Low-temperature -50°C to 100°C (-58°F to 212°F) X - Special O-rings				Digit 14 Pinion drive E - Standard female drive with Namur slot M - Standard male drive with Namur slot N - DIN 3337 female drive (45°) with Namur slot X - Special feature Digit 15 Standard options O - If not used H - Hydraulic Digit 17 Revision				
			FIELD B Variations Digit 4 Rotation R - Standard 40R - 92° 39R - 94.4° 33R - 180° Digit 5 Body D - Standard (Includes DIN/ISO location ring Namur top mounting pattern, metric tappings) K - As 'D' without ISO/DIN location ring		Digit 6 Function A - Double acting B - Spring return 10 springs C - Spring return 8 springs D - Spring return 6 springs E - Spring return 4 springs F - Spring return 2 springs (05 only)			Digit 10 Finish 1 - Standard gold body/black endcaps (anodized) 2 - Epoxy coated 3 - PVC coated X - Special finish Digit 11 Temperature S - Standard -20°C to 100°C (-4°F to 212°F) H - High-temperature -20°C to 150°C (-4°F to 302°F) L - Low-temperature -50°C to 100°C (-58°F to 212°F) X - Special O-rings				Digit 12 Inlet endcap D - Standard Namur tappings G - Norbro tappings K - Access S - Special large port Digit 13 Switch endcap 1 - Standard metric tapping for switch box 2 - Inlet tapping for switch box B - Blank P - P and F endcaps not included O - No actuators only M - Metric limit stops				

*This table details options for all Norbro Series 40R and 33 actuators. Consult the chart on page 3 for configurations available via the Quick-Ship program.

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