

EXPRESS Cylinders



ASCO Express

ASCO Express Cylinders offer quick delivery on a variety of cylinders, dispatched on the same day if your order is placed before 12:00 European Time.

ASCO Express ensures your machine downtime is kept to a minimum, considerably improving your productivity.

Your order leaves our warehouse in France on the same day it is placed providing your order is received before 12:00pm (European time). Expected delivery will be within 3-5 days but can be shorter if agreed with customer service at time of placing order.

Express Fast Ship is available on a wide range of cylinders:

- Short stroke cylinders (441 Series)
- Round cylinders (438 and 435 Series)
- Compact cylinders (449 Series)

Standard stroke only, for

- Tube profile cylinders (453 Series)

Standard Strokes cylinders maximum quantity of 25 pieces.

Non-standard stroke cylinders maximum quantity of 5 pieces.

Our customer service teams are available for consultation and can guide you through our range to help you select the cylinders that will be suitable for your application.



“ My machine has broken down and I need replacement parts fast. I need to be able to rely on my supplier. ”

Mark, Maintenance Manager

ASCO Express

G449 Compact Cylinder - Double Acting - ISO 21287



Standard strokes

	Ø In mm	Ø Connect	0005	0010	0015	0020	0025	0050	0080	0100
L	20	M5								
M	25	M5								



These cylinders are a stock item in our European warehouse in France. Expected delivery time is 3-5 business days if the order is received before 12.00pm (European time).

15-digit product codification: G449A L SG 0005 A00

3	32	G1/8								
4	40	G1/8								
5	50	G1/8								
6	63	G1/8								
8	80	G1/8								
1	100	G1/8								

15-digit product codification: G449A 3 SK 0005 A00

Fixed characters

G453 Profile Tube Cylinders - Double Acting VDMA - ISO 15552



Standard and non-standard strokes (maximum quantity 5 pieces)

	Ø In mm	Ø Connect	0025	0050	0080	0100	0125	0160	0200	0250	0320	0400	0500
3	32	G1/8											
4	40	G1/4											
5	50	G1/4											
6	63	G3/8											
8	80	G3/8											
1	100	G1/2											



These cylinders are a stock item in our European warehouse in France. Expected delivery time is 3-5 business days if the order is received before 12.00pm (European time).

15-digit product codification: G453A 3 SK 0100 A00

Fixed characters

Non-standard strokes (Made to order, 4 digits strokes to be indicated)

Example of a 15 digits code for a non standard stroke cylinder: G453A 3 SK 0130 A00

Fixed characters

Series 449 & 453 Accessories

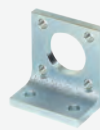
Low Feet (2 pieces) MS1

ø mm	Steel Sheet
32	P493A3124000A00
40	P493A4124000A00
50	P493A5124000A00
63	P493A6124000A00
80	P493A8124000A00
100	P493A1124000A00



High Foot (1 off) MS3

ø mm	Light Alloy
32	P493A3125100A00
40	P493A4125100A00
50	P493A5125100A00
63	P493A6125100A00
80	P493A8125100A00
100	-



Rear Clevis MP2

ø mm	Light Alloy
32	P493A3121110A00
40	P493A4121110A00
50	P493A5121110A00
63	P493A6121110A00
80	P493A8121110A00
100	P493A1121110A00



Front or Rear Flange MF1 - MF2

ø mm	Steel
32	P493A3126000A00
40	P493A4126000A00
50	P493A5126000A00
63	P493A6126000A00
80	P493A8126000A00
100	P493A1126000A00



Male Clevis with Spherical Bearing MP6

ø mm	Steel
32	P493A3128000A00
40	P493A4128000A00
50	P493A5128000A00
63	P493A6128000A00
80	P493A8128000A00
100	P493A1128000A00



Rear Clevis for Spherical Bearing End AB6

ø mm	Steel
32	P493A3129000A00
40	P493A4129000A00
50	P493A5129000A00
63	P493A6129000A00
80	P493A8129000A00
100	P493A1129000A00



Alignment Compensator

ø mm	Light Alloy
32	P493A3134000A00
40	P493A4134000A00
50-63	P493A5134000A00
100	P493A8134000A00



Rear Angular Bracket AB7

ø mm	Light Alloy
32	P493A3123110A00
40	P493A4123110A00
50	P493A5123110A00
63	P493A6123110A00
80	P493A8123110A00
100	P493A1123110A00



Centre Trunnion for Profile Tube Series 453 - 449 MT4

ø mm	Cast Iron (supplied loose)
32	P493A3111000A00
40	P493A4111000A00
50	P493A5111000A00
63	P493A6111000A00
80	P493A8111000A00
100	P493A1111000A00



Spherical Rod End AP6

ø mm	Series 449
20	P493AL432000A00
25	P493AL432000A00
32	P493A3132000A00
40	P493A3132000A00
50	P493A4132000A00
63	P493A4132000A00
80	P493A5132000A00
100	P493A5132000A00
ø mm	Series 453
32	P493A3132000A00
40	P493A4132000A00
50	P493A5132000A00
63	P493A5132000A00
80	P493A8132000A00
100	P493A8132000A00



Rear Male Trunnion MP4

ø mm	Light Alloy
32	P493A3122100A00
40	P493A4122100A00
50	P493A5122100A00
63	P493A6122100A00
80	P493A8122100A00
100	P493A1122100A00



Female Rod Clevis AP2

ø mm	Steel
32	P493A3131000A00
40	P493A4131000A00
50	P493A5131000A00
63	P493A5131000A00
80	P493A8131000A00
100	P493A8131000A00
125	P493AP131000A00
160	P493AQ131000A00
200	P493AQ131000A00



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G441 Short Stroke Cylinders - Double Acting



Standard strokes

	Ø In mm	Ø Connect	0005	0010	0015	0020	0025	0030	0040	0050	0060	0080	0100
G	8	M5											
H	10	M5											
J	12	M5											
K	16	M5											
L	20	M5											
M	25	M5											



These cylinders are a stock item in our European warehouse in France. Expected delivery time is 3-5 business days if the order is received before 12.00pm (European time).

15-digit product codification: G441A G SG 0005 A00

Fixed characters

3	32	G1/8											
4	40	G1/8											
5	50	G1/8											
6	63	G1/8											
8	80	G1/8											
1	100	G1/8											

15-digit product codification: G441A 3 SK 0005 A00

Fixed characters

G438 Round Cylinders - ISO 6431



Standard strokes

	Ø In mm	Ø Connect	0025	0050	0080	0100	0160	0200	0250	0320	0400	0500
3	32	G1/8										
4	40	G1/4										
5	50	G1/4										
6	63	G3/8										



These cylinders are a stock item in our European warehouse in France. Expected delivery time is 3-5 business days if the order is received before 12.00pm (European time).

15-digit product codification: G438B 3 SK 0025 A00

Fixed characters

G435 Round Cylinders - Double Acting - ISO 6432



Standard strokes

	Ø In mm	Ø Connect	0025	0050	0080	0100	0160
G	8	M5					
H	10	M5					
J	12	M5					
K	16	M5					
L	20	G1/8					
M	25	G1/8					



These cylinders are a stock item in our European warehouse in France. Expected delivery time is 3-5 business days if the order is received before 12.00pm (European time).

Options: A00 and CSH available
 Non-cushioned piston, designed for magnetic detection (A00 option)
 Piston with adjustable pneumatic cushioning, designed for magnetic detection (CSH option)**

** Adjustable to
 Ø 16mm = 12.5mm
 Ø 20mm = 17.5mm
 Ø 25mm = 18mm

15-digit product codification: G435A G SN 0025 A00

Fixed characters

Series 438 & 441 Accessories

Female rod clevis (ISO 8140 - RP102P) AP2

Ø mm	Steel
12-16	P493AJ431000A00
20	P493AL431000A00
25-32	P493A3131000A00
40	P493A4131000A00
50	P493A5131000A00



Spherical rod end (ISO 8139 - RP 103P) AP6

Ø mm	Steel
12-16	P493AJ432000A00
20	P493AL432000A00
25-32	P493A3132000A00
40	P493A4132000A00
50-63	P493A5132000A00



Neck nut MR3

Ø mm	
8-10	P493AG42F000A00
12-16	P493AJ42F000A00
20-25	P493AL42F000A00
32	P493A332F000A00
40	P493A432F000A00
50-63	P493A532F000A00



Rear trunnion

Ø mm	
8-10	P493AG42C000A00
12-16	P493AJ42C000A00
32	P493AL42C000A00



Foot

Ø mm	
8-10	P493AG42500A00
12-16	P493AJ425000A00
20-25	P493AL425000A00



Magnetic Detectors for all Cylinders

DETEC.MAGN.T MR 10 A 30V CC 0,3M	P494A0022500A00	
DETEC.MAGN.T ILS 5 A 50 CA/CC M8 INTEG.	P494A0021400A00	

DETEC.MAGN. REED T ILS	P494A0021500A00	
DETEC.MAGN.T MR 10 A 30V CC 0,3M	P494A0022600A00	

DETEC.MAGN.T ILS 5 A 50V CA/60V CC 0,3M	P494A0021700A00	
DETEC.MAGN.T MR 10 A 30V CC 0,3M	P494A0022800A00	
DETEC.MAGN.T MR 10 A 30V CC 0,3M	P494A0022900A00	

DETEC.MAGN.T MR 10 A 30V CC 2M 3 FILS	P494A0022300A00	
DETEC.MAGN.T ILS 5 A 120V CA/CC 2M 2 FI	P494A0021300A00	
DETEC.MAGN.T ILS 5 A 120V CA/CC 5M 2F	P494A0021100A00	
DETEC.MAGN.T MR 10 A 30V CC 5M	P494A0022100A00	

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Fixing Kits

For round cylinders

Ø mm Cylinder	Codes for Plastic
12	P494AJ129300A00
16	P494AK129300A00
20	P494AL129300A00
25	P494AM129300A00
32	P494A3129300A00
40	P494A4129300A00
50	-
63	-



For round cylinders

Ø mm Cylinder	Codes for Stainless Steel
12	P494AK129600A00
16	P494AK129600A00
20	P494AL129600A00
25	P494AL129600A00
32	P494A3129600A00
40	P494A4129600A00
50	P494A5129600A00
63	P494A6129600A00



Swivel Flow Regulators and Functional Fittings

Ø G (BSP) Thread	Ø ext. Tube (mm)	Plastic Body, Adjusted by Button/Screw
M5	4	34602188
1/8	4	34602221
1/8	6	34602222
1/4	6	34602223
1/4	8	34602224
3/8	10	34602021
1/2	12	34602022



Ø G (BSP) Thread	Ø ext. Tube (mm)	Plastic Body, Adjusted by Recessed Screw
1/8	6	34602018
1/4	6	34602019
1/4	8	34602020



Ø G (BSP) Thread	Output connection diameter Ø	Cylinder Blocking Fitting
3/8	8	34602451



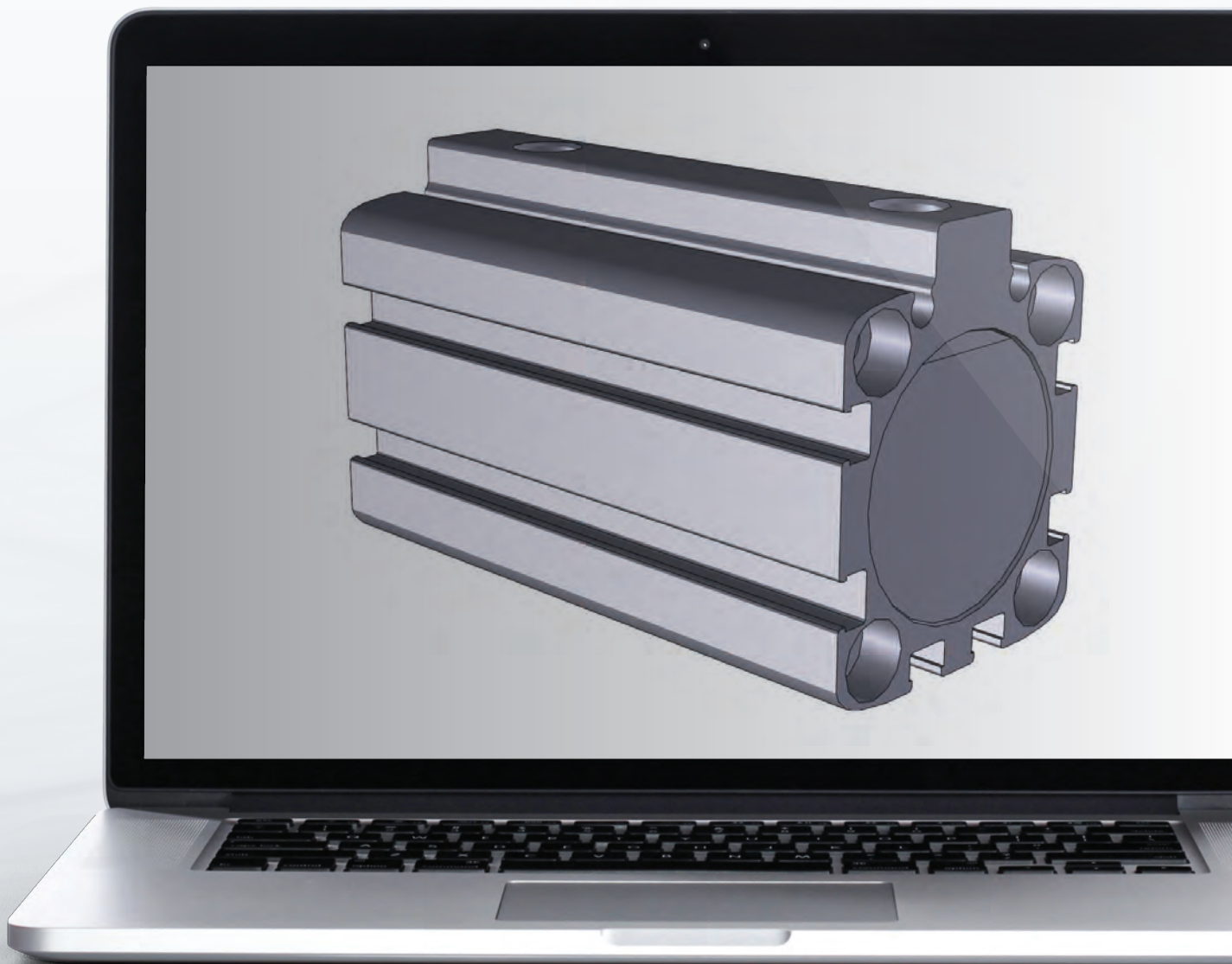
Ø G (BSP) Thread	Metal Body, Tapped Output, Adjusted by Button/Screw
1/8	34602181
1/4	34602182
3/8	34602183



CAD Library and Configurator

ASCO offers a vast library of downloadable CAD designs to simplify conception and design specification. Our configurator offers 2D and 3D CAD designs in more than 85 standard formats for the industry.

Intuitive navigation simplifies product and option selection. CAD documents and the corresponding product codes are available for you to download depending on your design requirements.



CAD Library and Configurator

The screenshot shows the top navigation menu with categories: Home, Valves & Fieldbus, Cylinders, FRL & Filter, Proportional, Solenoid Valves, Dust Collector Products, and PLWS. Below the menu is a grid of product categories with images and brief descriptions:

- 441 Series Cylinders:** Compact short stroke cylinder range from bore size 8 to 100, featuring Numatics proven technology and design. Equipped with a lighter tube extrusion with "T" and "C" slots for magnetic switches and no need for adaptor.
- 438 Series Cylinders:** Numatics round ISO 6431 cylinders from bore size 32 to 63, equipped with threaded front cover and trunion rear end are easy to install, saving assembly times, with a compact, robust design, a long service life, and benefit from Numatics state of the art technology.
- 449 Series Cylinders:** Compact ISO 21287 range, specially designed to fit in a reduced space. Long lasting and reliability guaranteed by using the proven technology already equipped in Numatics cylinders.
- 453 Series Cylinders:** Robust, and "modern looking" ISO 15552 cylinder, with a wide option choice and the guarantee of Numatics experience to fit in the most exigent markets.
- 450 Series Cylinders:** "Tie-rod" ISO 15552 cylinder from bore size 32 to 200mm, with a wide option choice and the guarantee of long Numatics experience in the most wide-ranging applications.
- 454 Series Cylinders:** Numatics 454 Series is particularly designed for use in Food & Beverage applications, complying with ISO 15552 standards. Specially fit for Food & Beverage industries, this cylinder is easy to clean, has a great resistance to corrosion, and offers a wide choice of options and accessories to meet the most varied field applications.
- 431 Series Cylinders:** New G431 is a reliable, high quality anti-corrosive ISO-6431 cylinder family, with a wider range of options and combinations, longer service time, optimized rod seal technology, and the guarantee of Numatics long experience in the field.
- CGT Series Compact Guide Slide:** The CGT series Compact Guide Slide is ideal where high load and force are required and minimum space is available. The piston and rod assembly being machined directly into the extruded body achieves space savings.

The screenshot shows the configuration interface for the 453 Series Cylinder (Standard). It includes the following elements:

- Navigation:** Buttons for "RETURN TO CONFIGURATOR" and "RETURN TO HOME".
- Logos:** ASCA numatics EXPRESS and SAME DAY.
- 2D/3D CAD Download Options:** A dropdown menu for "Select a CAD Format" and buttons for "3D PREVIEW" and "DOWNLOAD CAD FILE".
- Price:** Total price of € 91,30. A note states: "*Prices and Availability subject to change without notice".
- Product Information:**
 - Product Code:** G453A3SK0100A00
 - ORDER CODE:** G453A3SK0100A00
 - ISO 15552 Cylinder Double Acting
 - ISO 16030 "G 1/8" Thread ports
 - Bore: 32 mm
 - Stroke: 100 mm, Course Standard
 - Stroke Tolerance: +0 / +2 mm
 - Rod Options 1-S: Hard chromed single rod
 - 2-K: Without additional rod options
 - A00: No Options
- EXPORT OPTIONS:**
 - Add To Quote
 - Show Quote (0)
 - Save To PDF
 - Save to HTML
 - Print File
 - Save To Word
 - Save To Excel
- Footer:** "Links to Worldwide Websites" dropdown and copyright information: "Copyright © 2015 Numatics, Incorporated. All rights reserved. Terms and Conditions of Use | Privacy Policy | California Transparency in Supply Chains Act Disclosure".

Download CAD models via our online tool at asconumatics.eu/tools/3d-2d-cad-library.html

Why Emerson

Emerson has an established worldwide reputation for technology innovation and industry leadership. Our technologies have served to transform entire industries, from the creative solutions provided by the smallest detail, to their greater collective impact on the environments we live and work in. Helping our customers achieve that distinct competitive advantage is our priority.

Problem solving is our passion. We are committed to driving technological progress and setting the standards of the future by maintaining a strong focus on research and development, and investment in training and future talent. Our approach includes extensive research on both emerging technology and key global market trends, and our own customer challenges enable us to prioritise our R&D efforts.

Emerson. Consider it solved.

ASCO Express

We understand the true value of time when it comes to business. Your projects revolve around meeting tight deadlines, and staying well informed and on schedule. We also know that the key to customer satisfaction is providing full support and an outstanding service from development to delivery. ASCO Express promises to deliver this service on a timeframe that suits your business needs.



Scan to see ASCO in action
Or go to www.asconumatics.eu/express

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