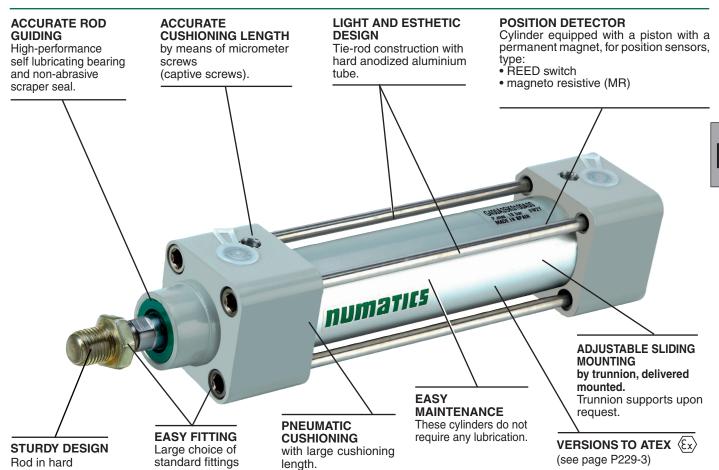
numatics



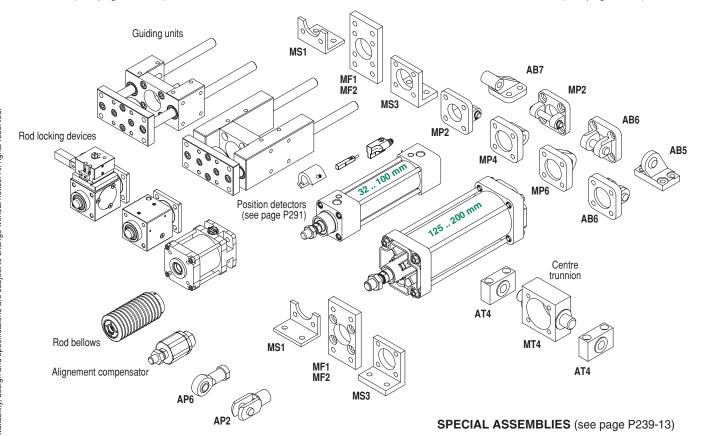
OPTIONS (see page P229-7)

chrome steel

and rod ends

(see below).

STANDARD MOUNTINGS (see page P235)



Ø 32 to 200 mm - double acting ISO 15552



Series



GENERAL

Detection **Equipped for magnetic position detectors** Air or inert gas, filtered, lubricated or not Fluid Operating pressure

10 bar, max. [1 bar =100 kPa] -20°C to +70°C (for higher temperature, see HTP option)

≤ 1 m/s (for optimal service life)

2 m/s (for higher and lower speed rate, see LFS option)

ISO 15552

CONSTRUCTION

Max. speed rate Standards

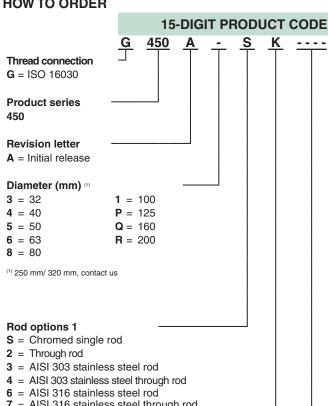
Ambient temperature Optimal max. speed

Barrel	Hard anodized aluminium alloy
Tie rods	Stainless steel (Ø32-100), steel (Ø 125-200)
Front and rear ends	Aluminium alloy
Bearing	Self-lubricating metal
Cushioning seals	PUR (polyurethane)
Cushioning	Pneumatic, adjustable from both sides with captive screw
Rod	Hard chromed steel
Rod nut	Galvanised steel
Piston	Ø 32 to 80 mm POM (polyacetal)
	Ø 100 to 200 mm light alloy
	fitted with an annular permanent magnet
Piston seals	PUR (polyurethane)



2D/3D CAD models - In 3D

HOW TO ORDER



7 = AISI 316 stainless steel through rod

All cylinders delivered with rod nut, in stainless steel for options 3, 4, 6 and 7.

Rod options 2

- K = No option
- 3 = Static rod-locking device (see P229-24)
- 4 = Static rod-locking device and manual operator (see P229-24)
- 5 = Dynamic rod-locking device Ø 40 to 100 mm (see P229-29)
- 6 = Oversized piston rod Ø 63 to 100 mm (see P229-33)
- 8 = Rod bellow (see P229-35)

POSITION DETECTORS

Magnetic position detectors must be

ordered separately: "T" model (see page P291),

reed switch or magneto-resistive type

MOUNTINGS

Mountings must be ordered separately: see page P235

Options A00 = Without

A00

FMT = Fixed centre trunnion (axis perpendicular to the ports)⁽²⁾

FST = Fixed centre trunnion (axis parallel to the ports)(2)

UCG = Plain bearing "U" guiding unit (see P229-20)

HCG = Plain bearing "H" guiding unit (see P229-20)

HBG = Ball bearing "H" guiding unit (see P229-20)

AT1 = ATEX zones 1/21

AT2 = ATEX zones 2/22

HTP = High temperature (up to 120°C)(3)

FPM = FPM seals

FFP = FPM front end seals

NPC = Anticorrosion treatment on covers & high-quality rod seals

 $MMT = \emptyset 125$ mm, with non groved profiled tube

MM4 = Ø125 mm, with non groved profiled tube and non fixed MT4, axis perpendicular to the port

MM5 = Ø125 mm, with non groved profiled tube and non fixed MT4, axis parallel to the port

STN = Stainless steel cover nuts + tie rods

LFS = Low friction piston seals - Ø 32 to 80 mm⁽⁴⁾(see P229-15)

NCS = Without pneumatic cushioning

TAN = Tandem, double force, linked rods (see P229-16)

EPX = Epoxy tube

(2) For fixed supplied centre trunnion, consult our Dynamic Product Modeling Tool on

www.asconumatics.eu and indicate XV dimension.

(3) Magnetic detectors cannot be fitted to this version.

(4) Special characteristics for this option:
piston material: light alloy

max. speed rate: 3 m/s

Recommended standard strokes (mm) (5)

	, 110,011111111111111111111111111111111																		
Ø mm	connect. Ø (G)		50	80	100	125	160	200	250	320	400	500	630	700	800	900	1000	1500	max. stroke
32	G1/8	•	•	•	•	•	•	•	•	•	•								2000
40	G1/4	•	•	•	•	•		•	•		•	•	•						2000
50	G1/4		•	•	•	•		lacktrian	lacktrian			lacktrian	•						2000
63	G3/8		•	lacksquare				lacktrian	lacksquare			•	lacksquare			•			2000
80	G3/8	•	•	•	•	•		•	lacktrian		•	•	•			•	•		2000
100	G1/2	•	•	•	•	•		lacktrian	lacktrian	•	•	lacktrian	•		•	•	•		2000
125	G1/2	•		•	•	•			lacktrian		•	lacktrian	•		•	•	•	•	2000
160	G3/4	•	•		•	lacktrian	lacktriangle	•	lacktrian		•	lacktrian	•	lacktrian	•	•	•		2000
200	G3/4	•	•	•	•	•		lacktrian	lacksquare	•	•	lacktrian	lacktrian		•	•	•		2000
	Strokes range available up to "max. stroke" column on the right.																		
	Please note strokes marked in grey exceed the maximum recommended.																		

(5) Other strokes on request / Min. stroke: 5 mm

Availability, design and specifications are subject to change without notice. All rights reserved 425GB-2015/R02

numatics

DIMENSIONS (mm), **WEIGHT** (kg)





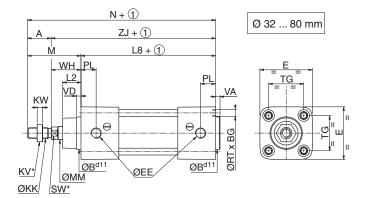
SINGLE-ROD TYPE CYLINDER

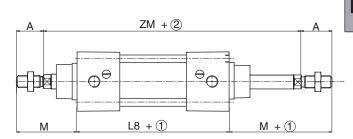
Tie-rod cylinder ISO 15552

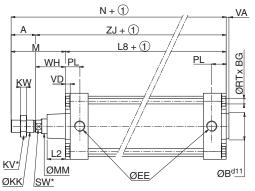


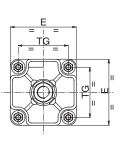
THROUGH-ROD TYPE CYCLINDER

Tie-rod cylinder ISO 15552

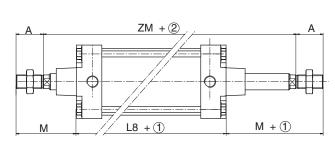








Ø 100 ... 200 mm



- (1) Stroke
- (2) Stroke xt 2

Ø	_	ØBd11	BG	Е	ØEE	ØKK	ΚV	ĸw	L2	L8	М	øмм	N	PL	ØRT	sw	TG	VA	VD	WH	ZJ	ZM	we	ight
(mm)	^	06	В	_	DEL	DKK	ΙζV	KVV	LZ	LO	IVI	SIVIIVI	l IN	FL	וחש	(5)	10	VA	min.	WII	20	ZIVI	(3)	(4)
32	22	30	16	48	G1/8	M10x1,25	16	5	17	94	48	12	142	14	M6	10	$32,5 \pm 0,5$	4	4	26	120	146	0,590	0,235
40	24	35	16	54	G1/4	M12x1,25	18	6	19	105	54	16	159	16	M6	13	38 ± 0.5	4	4	30	135	165	0,840	0,335
50	32	40	16	66	G14	M16x1,5	24	8	24	106	69	20	175	18,5	M8	17	$46,5 \pm 0,6$	4	4	37	143	180	1,200	0,510
63	32	45	16	78	G3/8	M16x1,5	24	8	24	121	69	20	190	17	M8	17	$56,5 \pm 0,7$	4	4	37	158	195	1,500	0,540
80	40	45	17	96	G3/8	M20x1,5	30	10	33	128	86	25	214	16,5	M10	22	72 ± 0.7	4	4	46	174	220	2,860	0,840
100	40	55	17	115	G1/2	M20x1,5	30	10	35,5	138	91	25	229	21	M10	22	89 ± 0.7	4	4	51	189	240	3,675	1,185
125	54	60	24	145	G1/2	M27x2	41	13,5	40	160	119	32	279	32	M12	27	110 ± 1,1	6	6	65	225	290	6,955	1,360
160	72	65	29,5	180	G3/4	M36x2	55	18	58	180	152	40	332	35,5	M16	36	140 ± 1,1	6	6	80	260	340	12,835	2,100
200	72	75	29,5	220	G3/4	M36x2	55	18	58	180	167	40	347	35	M16	36	175 ± 1,1	6	6	95	275	370	17,575	2,500

- Cylinder weight at 0 mm stroke.
- (4) Weight to be added per additional 100 mm length.

	SPARE PARTS KITS CODE								
Ø (mm)	1+2+3 (1)	rod + piston unit							
32	97802343	97802736 ⁽²⁾							
40	97802344	97802737 ⁽²⁾							
50	97802345	97802738 ⁽²⁾							
63	97802346	97802739 ⁽²⁾							
80	97802347	97802740 ⁽²⁾							
100	97802259	97802741 ⁽²⁾							

	SPARE PARTS KITS CODE									
Ø (mm)	1+2+3 (1)	rod + piston unit								
125	97802260	97802742 ⁽²⁾								
160	97802261	97802743 ⁽²⁾								
200	97802262	97802744 (2)								
250	contact us	contact us								

- For best results, use grease supplied in each kit. Supplementary tube (11 cm³) available on request, catalogue number: 97802100
- Specify stroke length (in mm).

01425GB-2015/R01 Availability, design and specifications are subject to change without notice. All rights reserved.