

OPTIONS (see page P229-3)

scraper seal

and non-abrasive

self-lubricating bearing

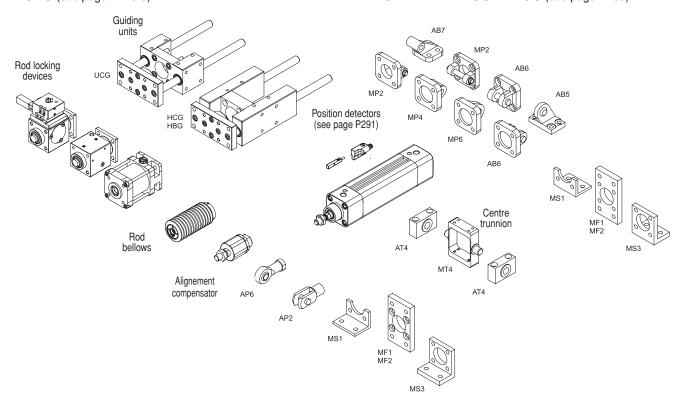
- air ports

- detection

- cushioning adjustment

STANDARD MOUNTINGS (see page P235)

for on-site positioning.



SPECIAL ASSEMBLIES (see page P229-13)

CONFIGURABLE INTO PLUG & PLAY UNITS

5/2 and 5/3 valves with mounting pad to ISO or Namur Mountings, detectors, pneumatic function fittings Custom solutions assembled and tested on delivery



numatics

CYLINDERS WITH PROFILED BARREL

Ø 32 to 100 mm - double acting ISO 15552

with pneumatic cushioning



GENERAL

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

10 bar, max. [1 bar =100 kPa]

-20°C to +70°C (for higher temperature, see HTP option) Ambient temperature

≤ 1 m/s (for optimal service life)

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

ISO 15552

CONSTRUCTION

Operating pressure

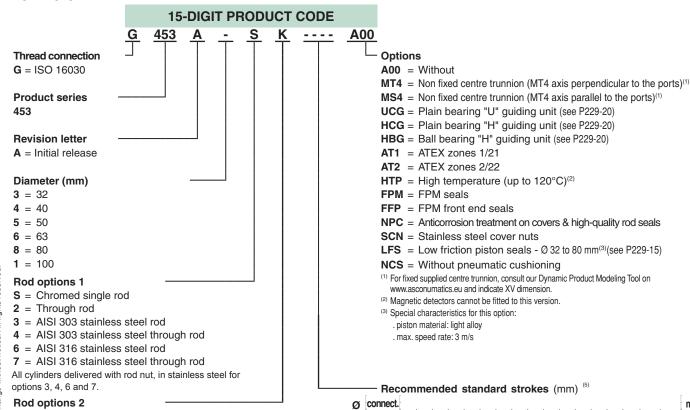
Optimal max. speed

Barrel	Hard anodized aluminium alloy							
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 chrome plated steel							
Rod nut	Galvanised steel							
Piston	Ø 32 to 80 mm POM (polyacetal)							
	Ø 100 mm light alloy							
	fitted with an annular permanent magnet							
Piston seals	PUR (polyurethane)							



2D/3D CAD models - In 3D

HOW TO ORDER



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)

T = Eye rod end

Extended piston rod, consult us

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



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

Strokes range available up to "max. stroke" column on the right. Please note strokes marked in grey exceed the maximum recommended.

Ø (G)

G1/4

G3/8

G3/8

40 G1/4

50

80

100

Thorne & Derrick **DERRICK** +44 (0) 191 490 1547 INTERNATIONAL www.heatingandprocess.com

2000

2000

2000

2000

2000

50 80 100 125 160 200 250 320 400 500 630 700 800 900 1000 1500 stroke





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





SINGLE-ROD TYPE CYLINDER

Bare cylinder ISO 15552

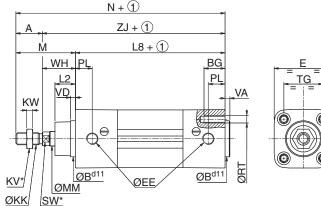


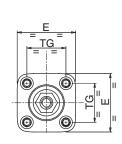
THROUGH-ROD TYPE CYCLINDER

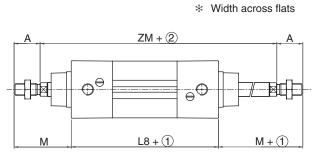
(1) Stroke

2 Stroke x 2

Bare cylinder ISO 15552







Ø	_	ØBd11	BG.	Е	ØEE	ØKK	ΚV	ĸw	L2	L8	м	øмм	N	PL	ØRT	SW.	TG	VA	VD	wн	ZJ	ZM	W	eight
(mm)	^	ов	ВС		(3)	ØKK	ΙζV	LVV	LZ	LO	IVI	SIVIIVI	14	FL	וחש	300	10	VA	min.	VVII	20	ZIVI	(4)	(5)
32	22	30	16	48	G1/8	M10x1,25	16	5	17	94	48	12	142	14	M6	10	32,5 ±0,5	4	4	26	120	146	0,49	0,0029
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	0,78	0,0037
50	32	40	16	66	G14	M16x1,5	24	8	24	106	69	20	175	18,5	M8	17	46,5 ±0,5	4	4	37	143	180	1,00	0,0053
63	32	45	16	78	G3/8	M16x1,5	24	8	24	121	69	20	190	19	M8	17	56,5 ±0,5	4	4	37	158	195	1,35	0,0057
80	40	45	17	96	G3/8	M20x1,5	30	10	33	128	86	25	214	16,5	M10	22	72 ±0,5	4	4	46	174	220	2,36	0,0086
100	40	55	17	115	G1/2	M20x1,5	30	10	35,5	138	91	25	229	19,5	M10	22	89 ±0,5	4	4	51	189	240	3,46	0,0099

- Thread connections G have standard thread according to ISO 16030.
- Cylinder weight at 0 mm stroke.
- Weight to be added per additional mm length.

	SPARE PARTS KITS CODE							
Ø (mm)	1+2+3+4 (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⁾						

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

