

FEATURES

- ISO 15552 cylinders with Ø 63 to 100 mm can be fitted with a larger diameter piston rod than standard:

Ø (mm)	rod Ø (ØMM)		rod end thread Ø (ØKK)	
	standard	oversize	standard	oversize
63	20	25	M16x1,5	M20x1,5
80	25	30	M20x1,5	M27x2
100	25	32	M20x1,5	M27x2

GENERAL Cushioning

Pneumatic, only at rear end



HOW TO ORDER

[Configurator - CAD Files](#)

15-DIGIT PRODUCT CODE

G 45- A - S 6 - - - - A00

Thread connection

G = ISO 228/1

Product series

453
450

Revision letter

A = Initial release

Diameter (mm)

6 = 63
8 = 80
1 = 100

Rod options 1

Series 453:

S = Standard

3 = AISI 303 stainless steel rod ⁽¹⁾

⁽¹⁾ 316L stainless steel rod, contact us.

Series 450:

S = Standard (chromed single rod + rod nut)

3 = AISI 303 stainless steel rod + rod nut ⁽¹⁾

6 = AISI 316 stainless steel rod + rod nut

Options

A00 = Without option

Recommended standard strokes (mm) ⁽²⁾

Ø mm	connect. Ø	50	80	100	125	160	200	250	320	400	500	630	700	800	900	1000	1500
63	G3/8	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
80	G3/8	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
100	G1/2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

⁽²⁾ Other strokes on request. / Min. stroke: 25 mm
max. stroke: 1800 mm (Ø 63) / 2000 mm (Ø 80/100)

Rod options 2

6 = Oversized piston rod



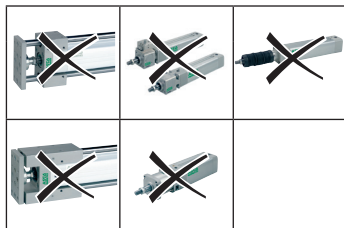
MOUNTINGS

Rod mountings: See following page



DETECTORS

[reed switch](#) or [magneto-resistive](#) type



OPTIONS AND SPECIALISED VERSIONS

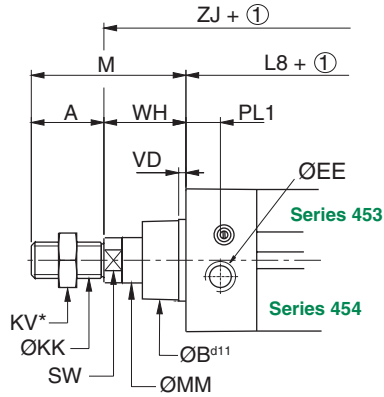
Cannot be fitted:

Guiding units/ Rod locking device / Rod bellows

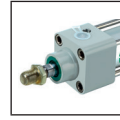
DIMENSIONS (mm), WEIGHT (kg)



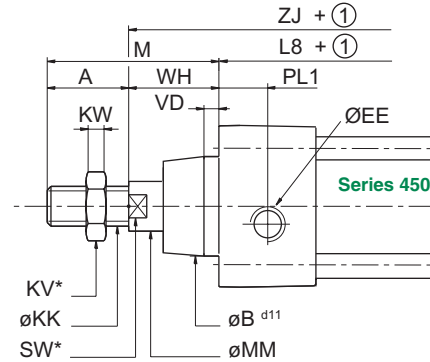
OVERSIZE PISTON RODS
453 Series
Single-rod type cylinder
Ø 63 to 100 mm



Configurator - CAD Files



OVERSIZE PISTON RODS
450 Series
Single-rod type cylinder
Ø 63 to 100 mm



Ø (mm)	A	ØB	ØEE	ØKK	KV	KW	L8	M	ØMM	PL1	SW	VD	WH	ZJ	
453 450															
63	63	40	45	G3/8	M20x1,5	30	10	121	86	25	26	22	6	46	167
80	80	54	45	G3/8	M27x2	41	13,5	128	119	30	24	27	6	65	193
100	100	54	55	G1/2	M27x2	41	13,5	138	119	32	25	27	6	65	203

- ① Stroke
- ② Width across flats

ACCESSORIES (ROD MOUNTINGS)

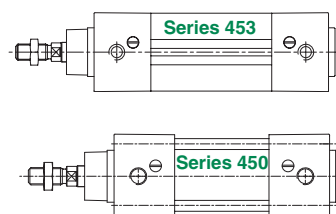
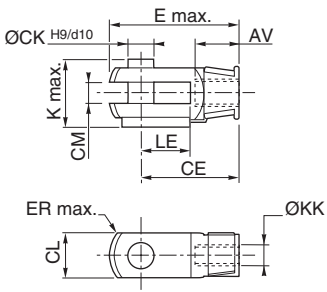
The following table shows all the clevises and self-aligning eyes that fit oversize rod ends with allowance for the rod end thread diameter difference.

Ø (mm)		Femelle rod clevis ⁽¹⁾ ISO 8140 - RP102P AP2	Spherical rod end ISO8139-RP103P AP6
453	450	steel	stainless steel
63	63	P493A8131000A00	P493A8131200A00
80	80	P493AP131000A00	-
100	100	P493AP131000A00	-

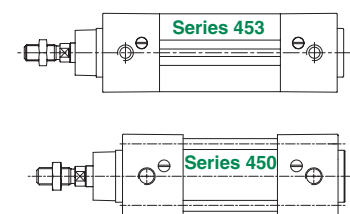
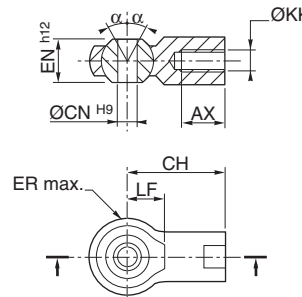
DIMENSIONS (mm), WEIGHT (kg)



ROD MOUNTINGS
Female rod clevis
ISO 8140
AP2



ROD MOUNTINGS
Spherical rod end
ISO 8139
AP6



Ø (mm)	AV AX	CE	CH	ØCK	CL	CM	ØCN	E max.	EN	ER max.	K	ØKK	LE	LF	α	weight		
																steel		
453 450																AP2	AP6	
63	63	33	80	77	20	40	20 ^{+0,6 +0,15}	20	112	25	25	48	M20x1,5	40	26	4°	0,67	0,39
80	80	51	110	110	30	55	30 ^{+0,6 +0,15}	30	155	37	35	65	M27x2	54	36	4°	1,81	1,6
100	100	51	110	110	30	55	30 ^{+0,6 +0,15}	30	155	37	35	65	M27x2	54	36	4°	1,81	1,6