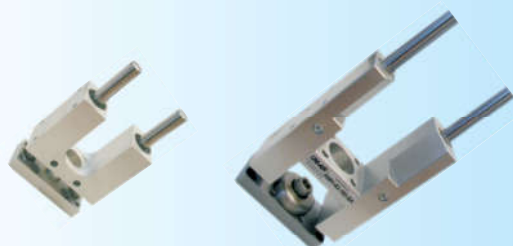


**CILINDRI
CYLINDERS**

1.000.0

**ENOTE ZA VODENJE
GUIDE UNITS**

2.000.0

**PRIJEMALA
GRIPPERS**

3.000.0

**VENTILI
VALVES**

4.000.0

**PRIPRAVA ZRAKA
AIR PREPARATION**

5.000.0

**PRIBOR
ACCESSORIES**

6.000.0

DIN ISO 6432

CILINDER / CYLINDER PCU, ECU

Tehnični podatki / Technical data

Medij / Fluid:

filtriran, suh ali naoljen komprimiran zrak

filtered, dry or oiled compressed air

Delovni tlak / Working pressure:

max 10 bar

Temperatura / Temperature:

0° C +80° C

Material / Material:

Pokrovi / End caps alu. / aluminium

Cev / Tube X 5 Cr Ni 18 9

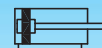
Batnica / Rod X 20 Cr 13

Vodilna puša / Guide bronza / bronze

Tesnila / Seals PU



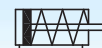
PCU-A



PCU-DDA



ECU



NAROČNIŠKA KODA / ORDER CODE:

TIP CILINDRA / TYPE OF CYLINDER

PCU.....Dvostransko delujoč cilinder

Double acting cylinder

ECU.....Enostransko delujoč cilinder s povratno vzmetjo

Single acting cylinder with return spring

NAZIVNI PREMER / DIAMETER

PCU-A.....8, 10, 12, 16, 20, 25

PCU-DDA.....16, 20, 25

ECU.....8, 10, 12, 16, 20, 25

HOD / STROKE

ECU.....Max. 50mm ECUZ.....Max. 30mm

IZVEDBA / FEATURE

DDA.....Obojestransko nastavljivo končno dušenje

Both end adjustable cushioning

A.....PU obroči v končnih legah

PU rings at the end positions

OPCIJA / OPTION

I.....Standard / Standard

S2.....Skoznja batnica / Through rod

S6.....Tesnila za povišano temperaturo do 130° C

Seals for high temperature up to 130° C



Vsi PCU in ECU cilindri so opremljeni z magnetom na bat.

Mazanje pri filtriranem in sušenem zraku ni potrebno!

All PCU and ECU cylinders are equipped with magnet on the piston. Lubricating is not necessary when filtered, dry air is used.

NOSILEC SENZORJA

SENSOR HOLDER

NAROČNIŠKA KODA

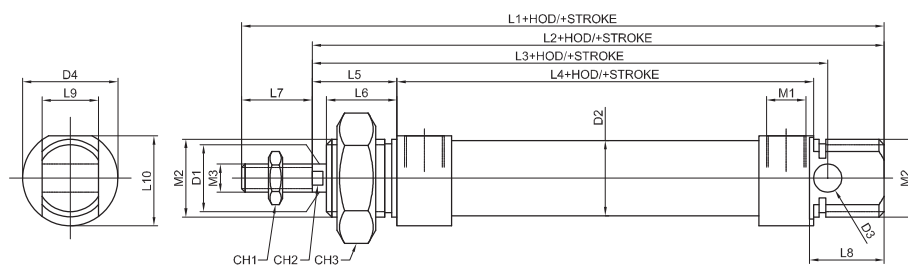
ORDER CODE:

SMBR - 8 -

Ø CILINDRA /
Ø OF CYLINDER



Senzorji SMT40TP stran 3.500,0
Sensors SMT40TP page 3.500.0



Teža (kg) (hod = 0mm) Weight (kg) (stroke = 0mm)	Teža (kg) vsakih 10mm Weight (kg) per every 10mm
8	0,04
10	0,05
12	0,07
16	0,09
20	0,18
25	0,24

TIP IN Ø CIL TYP AND Ø CYL

	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	M1	M2	M3	ØD1	ØD2	ØD3	ØD4	CH1	CH2	CH3
PCU/ECU8A	86	74	64	46	16	12	12	12	8	15	M 5	M12x1.25	M 4	4	9.27	4	16	7	/	19
PCU/ECU10A	86	74	64	46	16	12	12	12	8	15	M 5	M12x1.25	M 4	4	11.27	4	16	7	/	19
PCU/ECU12A	104	88	75	48	22	18	16	18	12	18	M 5	M16x1.5	M 6	6	13.27	6	19	10	5	22
PCU/ECU16A	109	93	82	53	22	18	16	18	12	18	M 5	M16x1.5	M 6	6	17.27	6	19	10	5	22
PCU/ECU20A	131	111	95	67	24	20	20	20	16	25.5	G 1/8	M22x1.5	M 8	8	21.27	8	27	13	7	27
PCU/ECU25A	140	118	104	68	28	22	22	22	16	28.5	G 1/8	M22x1.5	M10x1.25	10	26.5	8	30	17	9	27
PCU16DDA	112	96	85	56	22	18	16	18	12	18	M 5	M16x1.5	M 6	6	17.27	6	19	10	5	22
PCU20DDA	131	111	95	67	24	20	20	20	16	25.5	G 1/8	M22x1.5	M 8	8	21.27	8	27	13	7	27
PCU25DDA	140	118	104	68	28	22	22	22	16	28.5	G 1/8	M22x1.5	M10x1.25	10	26.5	8	30	17	9	27

INOX

INOX

INOX

INOX

PCU 16, 20 in 25A cilindri so na voljo tudi v INOX izvedbi. Pri naročilu se doda oznaka CR.
PCU 16, 20 in 25A cylinders are available in INOX version. At the end of order code add CR.

Hypex

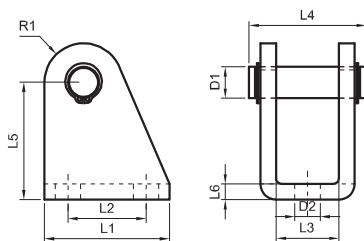
1.000.0

PRITRDITVE ZA CILINDRE PCU, ECU / ACCESSORIES FOR CYLINDERS PCU, ECU

LBU



INOX



ØCIL ØCYL	L1	L2	L3	L4	L5	L6	ØD1	R1	Kg
8	20	12,5	8,1	17	24	2,5	4	5	0,02
10	20	12,5	8,1	17	24	2,5	4	5	0,02
12	25	15	12,1	23	27	3	6	7	0,04
16	25	15	12,1	23	27	3	6	7	0,04
20	32	20	16,1	29,5	30	4	8	10	0,08
25	32	20	16,1	29,5	30	4	8	10	0,08

INOX

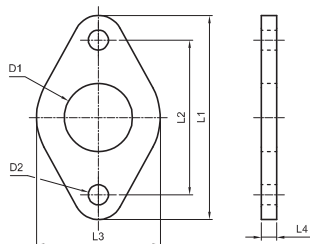
INOX

INOX

FBU



INOX



ØCIL ØCYL	L1	L2	L3	L4	ØD1	ØD2	Kg
8	40	30	22	3	12	4,5	0,01
10	40	30	22	3	12	4,5	0,01
12	52	40	30	4	16	5,5	0,03
16	52	40	30	4	16	5,5	0,03
20	66	50	40	5	22	6,6	0,05
25	66	50	40	5	22	6,6	0,05

INOX

INOX

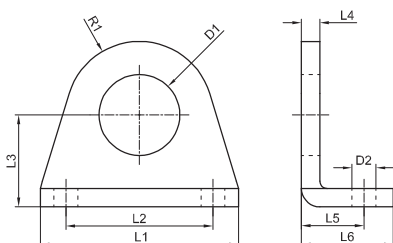
INOX

HBU

SET VSEBUJE 2 KOSA
SET CONTAINS 2 PSC



INOX



ØCIL ØCYL	L1	L2	L3	L4	L5	L6	ØD1	ØD2	R1	Kg
8	35	25	16	3	11	16	12	4,5	10	0,02
10	35	25	16	3	11	16	12	4,5	10	0,02
12	42	32	20	4	14	20	16	5,5	12,5	0,04
16	42	32	20	4	14	20	16	5,5	12,5	0,04
20	54	40	25	5	17	25	22	6,6	20	0,09
25	54	40	25	5	17	25	22	6,6	20	0,09

INOX

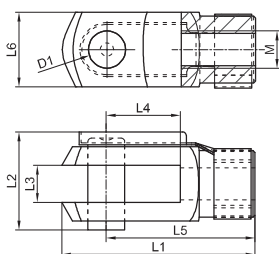
INOX

INOX

SG



INOX



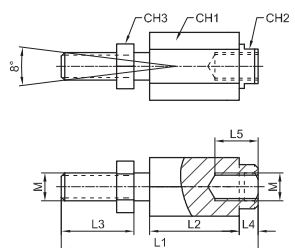
TIP TYP	M	L1	L2	L3	L4	L5	L6	D1	Kg
SGM4	M4	21	11	4	8	16	8	4	0,01
SGM6	M6	31	16	6	12	24	12	6	0,02
SGM8	M8	42	21,5	8	16	32	16	8	0,05
SGM10x1.25	M10x1.25	52	26	10	20	40	20	10	0,09

INOX

INOX

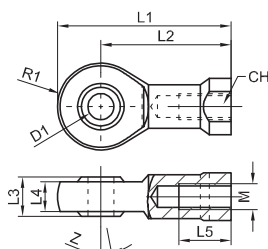
INOX

FK



TIP TYP	M	L1	L2	L3	L4	L5	Ch1	Ch2	Ch3	Kg
FKM4	M4	33	16,5	8	4,5	12	11	11	7	0,02
FKM6	M6	37	17,5	12	3,5	11	13	7	10	0,03
FKM8	M8	48,5	23,5	15	5	14	17	10	13	0,06
FKM10x1.25	M10x1.25	69,5	34	20	8	23	30	19	17	0,22

SGS



TIP TYP	M	L1	L2	L3	L4	L5	ØD1	R1	CH	Z°	Kg
SGSM4	M4	36	27	8	6	10	5	9	9	13	0,02
SGSM6	M6	40	30	9	6,8	12	6	10	11	13	0,03
SGSM8	M8	48	36	12	9	16	8	12	14	13	0,05
SGSM10x1.25	M10x1.25	57	43	14	10,5	20	10	14	17	13	0,08

INOX

Označene pritrditve so na voljo tudi v INOX izvedbi. Pri naročilu se doda oznaka CR.
Marked accessories are available in INOX version. At the end of order code add CR.

CILINDER / CYLINDER PCW, ECW

Tehnični podatki / Technical data

Medij / Fluid:

filtriran, suh ali naoljen komprimiran zrak
filtered, dry or oiled compressed air

Delovni tlak / Working pressure:

max 10 bar

Temperatura / Temperature:

0° C +80° C

Material / Material:

Pokrovi / End caps alu. / aluminium
Cev / Tube X 5 Cr Ni 18 9
Batnica / Rod X 20 Cr 13
Vodilna puša / Guide bronza / bronze
Tesnila / Seals PU



PCW-A



PCW-DDA



ECW



NAROČNIŠKA KODA / ORDER CODE:

TIP CILINDRA / TYPE OF CYLINDER

PCW.....Dvostransko delujoč cilinder

Double acting cylinder

ECW.....Enostransko delujoč cilinder s povratno vzmetjo

Single acting cylinder with return spring

NAZIVNI PREMER / DIAMETER

PCW.....32, 40, 50, 63

ECW.....32, 40, 50, 63

HOD / STROKE

ECW.....Max. 50mm

IZVEDBA / FEATURE

DDA.....Obojestransko nastavljivo končno dušenje

Both end adjustable cushioning

A.....PU obroči v končnih legah

PU rings at the end positions

OPCIJA / OPTION

S2.....Skoznja batnica / Through rod

S6.....Tesnila za povišano temperaturo do 130° C

Seals for high temperature up to 130° C



Vsi PCW in ECW cilindri so opremljeni z magnetom na batni.

Mazanje pri filtriranem in sušenem zraku ni potrebno!

All PCW and ECW cylinders are equipped with magnet on the piston. Lubricating is not necessary when filtered, dry air is used.

NOSILEC SENZORJA

SENSOR HOLDER

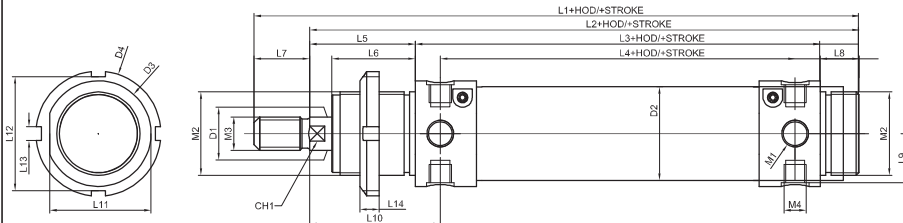
NAROČNIŠKA KODA ORDER CODE:

SMBR - 8 -

Ø CILINDRA /
Ø OF CYLINDER



Senzorji SMT40TP stran 3.500.0
Sensors SMT40TP page 3.500.0



Ø	Teža (kg)	
	(hod = 0mm)	vsakih 10mm
	Weight (kg)	Weight (kg)
	(stroke = 0mm)	per every 10mm
32	0,45	0,02
40	0,79	0,03
50	1,41	0,05
63	1,74	0,05

INOX

INOX

INOX

INOX

Ø	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13	L14	ØD1	ØD2	ØD3	ØD4	M1	M2	M3	M4
32	168	148	96	78	38	30	20	14	17.5	47	36.5	40	5	7	12	33.6	38	45	G 1/8	M 30x1.5	M10	M8x1
40	198	174	113	89	45	35	24	16	21	57	44	46	5	8	16	41.6	46	50	G 1/4	M 38x1.5	M12	M10x1
50	220	188	120	96	50	38	32	18	26.5	62	55	52	6	9	20	52.4	57	58	G 1/4	M 45x1.5	M16	M12x1.5
63	224	192	124	98	50	38	32	18	32.5	63	67.5	52	6	9	20	65.4	70	58	G 3/8	M 45x1.5	M16	M14x1.5

INOX

PCW 32, 40, 50 in 63A cilindri so na voljo tudi v INOX izvedbi. Pri naročilu se doda oznaka CR.
PCW 32, 40, 50 in 63A cylinders are available in INOX version. At the end of order code add CR.

Hypex

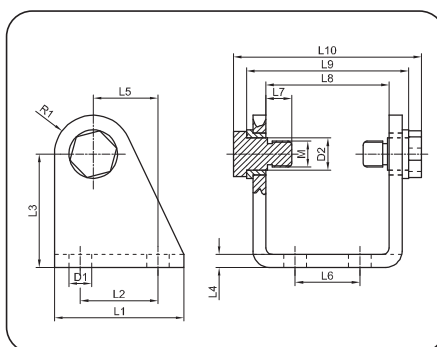
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PRITRDITVE ZA CILINDRE PCW, ECW / ACCESSORIES FOR CYLINDERS PCW, ECW

SBW



INOX



Ø	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	M1	ØD1	ØD2	R1	Kg
32	40	24	35	4	20	20	8	38.1	50.1	58.1	M8x1	7	12	12	0,14
40	50	30	40	5	27	28	9.6	46.1	60.1	70.1	M10x1	9	15	13	0,25
50	54	34	45	6	30	36	11.9	57.1	74.1	86.1	M12x1.5	9	18	14	0,31
63	65	35	50	6	34	42	17	70.1	87.1	99.1	M14x1.5	9	20	16	0,38

INOX

INOX

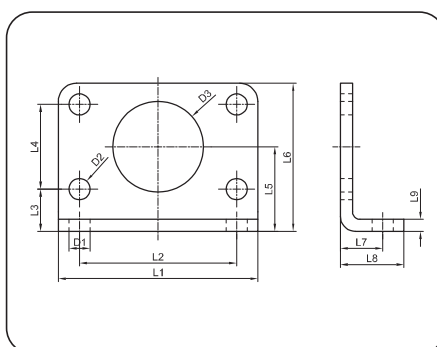
INOX

INOX

HBW



INOX



Ø	L1	L2	L3	L4	L5	L6	L7	L8	L9	ØD1	ØD2	ØD3	Kg
32	66	52	14	28	28	49	14	21	4	7	7	30	0,24
40	80	60	18	30	33	58	20	30	5	9	9	38	0,41
50	90	70	20	40	40	70	20	30	6	9	9	45	0,62
63	96	76	20	50	45	80	20	30	6	9	9	45	0,76

INOX

INOX

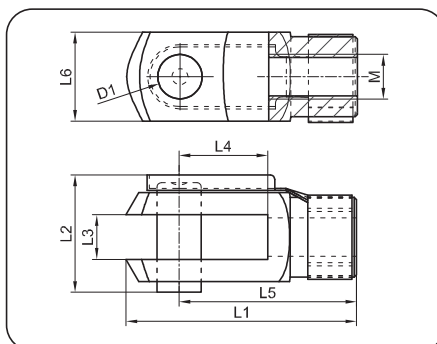
INOX

INOX

SG



INOX



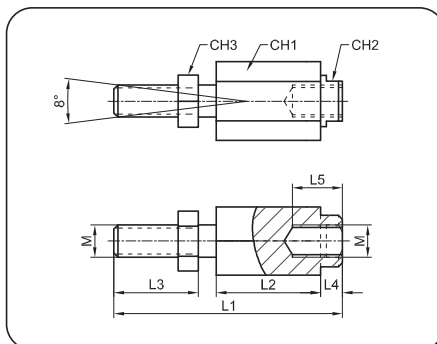
TIP	TYP	M	L1	L2	L3	L4	L5	L6	D1	Kg
SGM10	M10	52	26	10	20	40	20	10		0,09
SGM12	M12	62	32	12	25	48	24	12		0,15
SGM16	M16	83	39	16	32	64	32	16		0,33

INOX

INOX

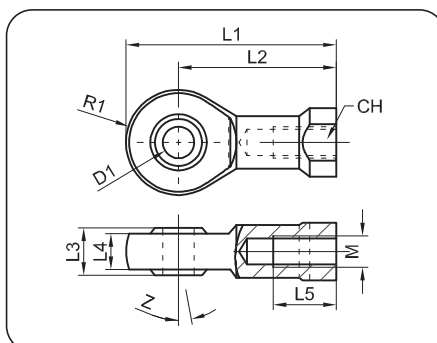
INOX

FK



TIP	TYP	M	L1	L2	L3	L4	L5	Ch1	Ch2	Ch3	Kg
FKM10	M10	67.5	34	18	8	23	30	19	17		0,22
FKM12	M12	70.5	34	21	8	23	30	19	19		0,23
FKM16	M16	97	53	26	9	32	41	30	24		0,66

SGS



TIP	TYP	M	L1	L2	L3	L4	L5	ØD1	R1	CH	Z°	Kg
SGSM10	M 10	57	43	14	10.5	20	10	14	17	13		0,08
SGSM12	M 12	66	50	16	12	22	12	16	19	13		0,11
SGSM16	M 16	85	64	21	15	28	16	21	22	15		0,22

INOX

Označene pritrditve so na voljo tudi v INOX izvedbi. Pri naročilu se doda oznaka CR.
Marked accessories are available in INOX version. At the end of order code add CR.

VDMA24562 DIN ISO 15552

CILINDER / CYLINDER PNC, PNCU, PNCG

Tehnični podatki / Technical data

Medij / Fluid

filtriran, suh ali naoljen komprimiran zrak
filtered, dry or oiled compressed air

Delovni tlak / Working pressure
max 10 bar

Temperatura / Temperature

-20° C +80° C

Material / Material

Pokrovi / End caps alu. / aluminium

Cev / Tube alu. / aluminium

Batnica / Rod WN 1.4021

Vodilna puša / Guide bronza / bronze

Tesnila / Seals PU, NBR



PNC



PNCU

PNCG



NAROČNIŠKA KODA / ORDER CODE:

TIP CILINDRA / TYPE OF CYLINDER

PNC Cilinder s T-utori / Cylinder with T-slots

PNCU Cilinder s profilno cevjo / Cylinder with profile tube

PNCG Cilinder z okroglo cevjo / Cylinder with round tube

NAZIVNI PREMER / DIAMETER

PNC 32, 40, 50, 63, 80, 100, 125

PNCU 32, 40, 50, 63, 80, 100

PNCG 32, 40, 50, 63, 80, 100, 125, 160, 200, 250, 320

HOD / STROKE

IZVEDBA / VERSION

KP Podaljšana batnica za uporabo zavore gibanja (1.500.0)
Extended rod for implementation of rod brake (1.500.0)

OPCIJA / OPTION

S2 Skoznja batnica / Through rod

S6 Tesnila za povišano temperaturo do 130° C - brez magneta
Seals for high temperature up to 130° C - without magnet



Vsi PNC, PNCU, PNCG cilindri so opremljeni z magnetom na batni in nastavljivim končnim dušenjem na obeh straneh.

Mazanje pri filtriranem in sušenem zraku ni potrebno!

All PNC, PNCU, PNCG cylinders are equipped with magnet on the piston and adjustable end cushioning on both ends.
Lubricating is not necessary when filtered, dry air is used.

DDA

NOSILEC SENZORJA
ZA CILINDRE PNCU /
SENSOR HOLDER
FOR PNCU CYLINDERS
NAROČNIŠKA KODA/
ORDER CODE:

Ø CILINDRA /
Ø OF CYLINDER

HMM

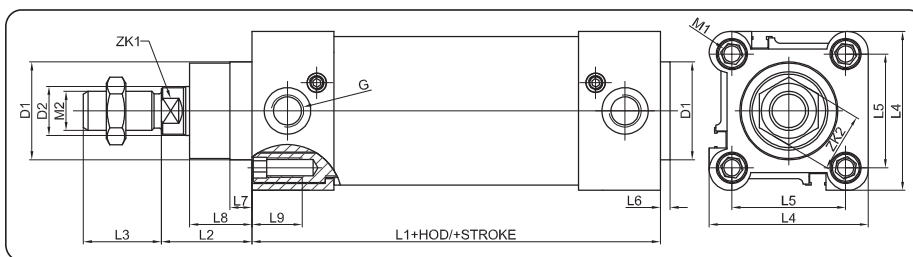
NOSILEC SENZORJA
ZA CILINDRE PNCG /
SENSOR HOLDER
FOR PNCG CYLINDERS
NAROČNIŠKA KODA/
ORDER CODE:

Ø CILINDRA /
Ø OF CYLINDER

HOC



Senzorji SMT40TP stran 3.500.0
Sensors SMT40TP page 3.500.0



Ø	Teža (kg) (hod = 0mm) Weight (kg) (stroke = 0mm)	Teža (kg) vsakih 10mm Weight (kg) per every 10mm
32	0,64	0,02
40	0,69	0,05
50	1,37	0,05
63	1,88	0,06
80	3,18	0,09
100	4,44	0,09
125	8,30	0,15
160	13,40	0,25
200	18,50	0,33
250	30,80	0,36
320	53,20	0,57

Ø CIL Ø CYL	L1	L2	L3	L4	L5	L6	L7	L8	L9	ØD1	ØD2	M1	M2	ZK1	ZK2	G
32	95	26	22	48	32.5	4	9	18	17	30	12	M 6	M 10 X 1.25	10	17	G 1/8
40	106	30	24	54	38	4	9	22	17	35	16	M 6	M 12 X 1.25	13	19	G 1/4
50	106,5	37	32	65	46.5	4	9	25,5	19	40	20	M 8	M 16 X 1.5	16	24	G 1/4
63	122,5	36	32	75	56,5	4	10,5	25,5	19	45	20	M 8	M 16 X 1.5	16	24	G 3/8
80	129	46	40	92,5	72	4	8,5	34	25	45	25	M 10	M 20 X 1.5	22	30	G 3/8
100	138	51	40	109,3	89	4	8,5	31	25	55	25	M 10	M 20 X 1.5	22	30	G 1/2
125	160,5	65	54	138,7	110	6	12,75	45,25	23	60	32	M 12	M 27 X 2	27	41	G 1/2
160	180	80	72	181	140	5	10	65	24	65	40	M 16	M 36 X 2	36	55	G 3/4
200	220	95	72	221	175	6	10	59,5	24	75	40	M 16	M 36 X 2	36	55	G 3/4
250	200	105	84	268	220	10	20	67	25	90	50	M 20	M 42 X 2	46	65	G 1
320	220	120	96	340	270	10	20	82	28	110	63	M 24	M 48 X 2	55	75	G 1

INOX

INOX

INOX

INOX

INOX

INOX

INOX

PNCG 32100 cilindri so na voljo tudi v INOX izvedbi. Pri naročilu se doda oznaka CR.
PNCG 32100 cylinders are available in INOX version. At the end of order code add CR.

Hypex

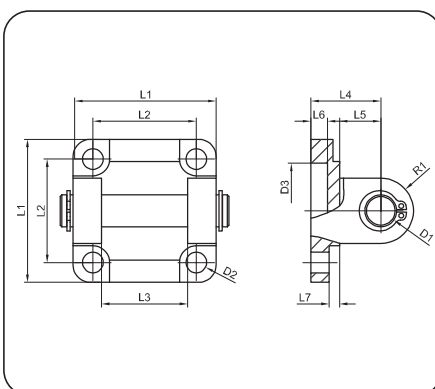
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PRITRDITVE ZA CILINDRE VDMA24562 DIN 648 ISO / ACCESSORIES FOR CYLINDERS VDMA 24562 DIN 648 ISO

SBGØ32 - Ø320



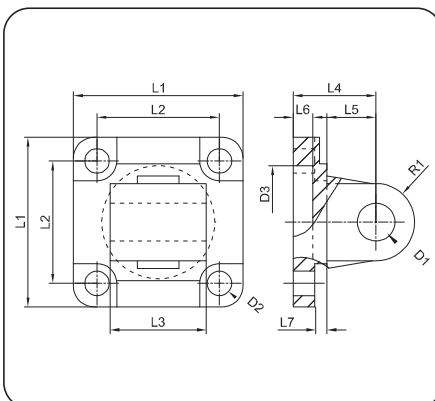
INOX



Ø	L1	L2	L3	L4	L5	L6	L7	ØD1	ØD2	ØD3	R1	Kg
32	45	32,5	26	22	13	5	4,5	10	6,6	30	10	0,17
40	52	38	28	25	16	5	4,5	12	6,6	35	12	0,28
50	65	46,5	32	27	16	5	3,5	12	9	40	12	0,40
63	75	56,5	40	32	21	5	5,5	16	9	45	16	0,65
80	95	72	50	36	22	5	4	16	11	45	16	1,15
100	115	89	60	41	27	5	6	20	11	55	20	1,95
125	140	110	70	50	30	7	10	25	13,5	60	25	3,88
160	180	140	90	55	35	7	10	30	18	65	25	6,73
200	220	175	90	60	35	7	9	30	18	75	25	9,88
250	268	220	110	70	59	11,5	12	40	20	90	41	18,0
320	340	270	120	80	65	11,5	13	45	24	110	45	33,7

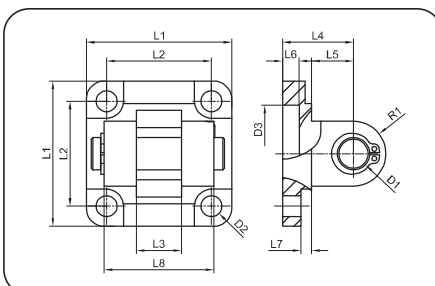
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SGLØ32 - Ø320



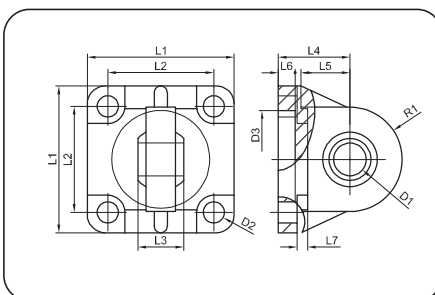
Ø	L1	L2	L3	L4	L5	L6	L7	ØD1	ØD2	ØD3	R1	Kg
32	45	32,5	26	22	13	5	4,5	10	6,6	30	10	0,18
40	52	38	28	25	16	5	4,5	12	6,6	35	12	0,27
50	65	46,5	32	27	16	5	3,5	12	9	40	12	0,37
63	75	56,5	40	32	21	5	5,5	16	9	45	16	0,68
80	95	72	50	36	22	5	4	16	11	45	16	1,20
100	115	89	60	41	27	5	6	20	11	55	20	2,10
125	140	110	70	50	30	7	10	25	13,5	60	25	3,74
160	180	140	90	55	35	7	10	30	18	65	25	5,89
200	220	175	90	60	35	7	9	30	18	75	25	8,47
250	268	220	110	70	47	11,5	12	40	20	90	41	16,85
320	340	270	120	80	52	11,5	13	45	24	110	45	31,75

SGNØ32 - Ø125



Ø	L1	L2	L3	L4	L5	L6	L7	L8	ØD1	ØD2	ØD3	R1	Kg
32	45	32,5	14	22	13	5	4,5	34	10	6,6	30	10	0,17
40	52	38	16	25	16	5	4,5	40	12	6,6	35	12	0,27
50	65	46,5	21	27	16	5	3,5	45	16	9	40	12	0,42
63	75	56,5	21	32	21	5	5,5	51	16	9	45	16	0,64
80	95	72	25	36	22	5	4	65	20	11	45	16	1,37
100	115	89	25	41	27	5	6	75	20	11	55	20	2,05
125	140	110	37	50	30	7	10	97	25	13,5	60	25	4,16

SSGØ32 - Ø125

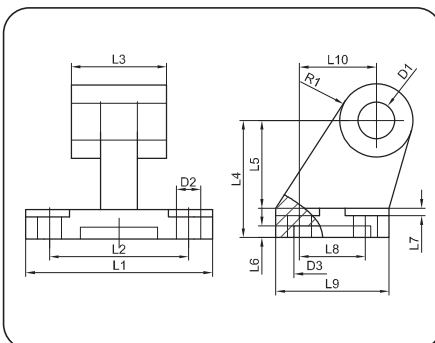


Ø	L1	L2	L3	L4	L5	L6	L7	ØD1	ØD2	ØD3	R1	Kg
32	45	32,5	14	22	13	5	4,5	10	6,6	30	10	0,15
40	52	38	16	25	16	5	4,5	12	6,6	35	12	0,26
50	65	46,5	21	27	16	5	3,5	16	9	40	12	0,36
63	75	56,5	21	32	21	5	5,5	16	9	45	16	0,60
80	95	72	25	36	22	5	4	20	11	45	16	1,12
100	115	89	25	41	27	5	6	20	11	55	20	1,79
125	140	110	37	50	30	7	10	30	13,5	60	38	3,50

LGØ32 - Ø125



INOX



Ø	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	ØD1	ØD2	ØD3	R1	Kg
32	51	38	26	32	24	3	1,5	18	31	21	10	6,6	20	10	0,16
40	54	41	28	36	26	3	1,5	22	35	24	12	6,6	20	11	0,24
50	65	50	32	45	33	3	1,5	30	45	33	12	9	20	13	0,42
63	67	52	40	50	36	3	1,5	35	50	37	16	9	20	15	0,53
80	86	66	50	63	49	3	2,5	40	60	47	16	11	20	15	1,06
100	96	76	60	71	54	3	2,5	50	70	55	20	11	20	18	1,51
125	124	94	70	90	70	3	3,2	60	90	70	25	14	20	22,5	3,15

INOX
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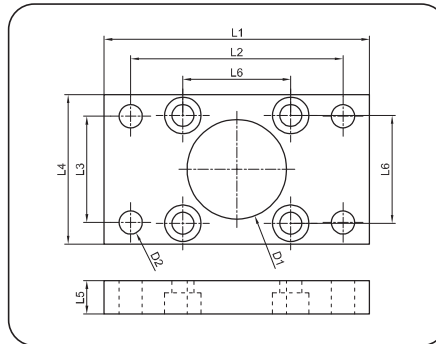
INOX

Označene pritrditve so na voljo tudi v INOX izvedbi. Pri naročilu se doda oznaka CR.
Marked accessories are available in INOX version. At the end of order code add CR.

PRITRDITVE ZA CILINDRE VDMA24562 DIN 648 ISO / ACCESSORIES FOR CYLINDERS VDMA 24562 DIN 648 ISO

INOX
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INOX
INOX
INOX

Ø	L1	L2	L3	L4	L5	L6	ØD1	ØD2	Kg
32	80	64	32	45	10	32.5	30	7	0,19
40	90	72	36	52	10	38	35	9	0,25
50	110	90	45	65	12	46.5	40	9	0,48
63	120	100	50	75	12	56.5	45	9	0,63
80	150	126	63	95	16	72	45	12	1,44
100	170	150	75	115	16	89	55	14	1,99
125	205	180	90	140	20	110	60	16	3,78
160	260	230	115	180	20	140	65	18	6,36
200	300	270	135	220	25	175	75	22	11,4



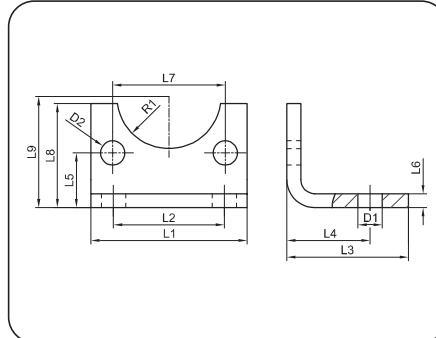
FGØ32 - Ø200



INOX

INOX
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INOX
INOX
INOX

Ø	L1	L2	L3	L4	L5	L6	L7	L8	L9	ØD1	ØD2	R1	Kg
32	45	32	35	24	15.75	4	32.5	30	32	7	7	15	0,07
40	52	36	36	28	17	4	38	30	36	9	7	17.5	0,08
50	65	45	47	32	21.75	5	46.5	36	45	9	9	20	0,17
63	75	50	45	32	21.75	5	56.5	35	50	9	9	22.5	0,19
80	95	63	55	41	27	6	72	47	63	12	11	22.5	0,38
100	115	75	57	41	26.5	6	89	53	71	14	11	27.5	0,45
125	140	90	70	45	35	8	110	70	90	16	14	30	1,15
160	180	115	75	60	45	9	140	100	115	18	18	32.5	2,00
200	220	135	100	70	47.5	12	175	100	135	22	18	37.5	3,80



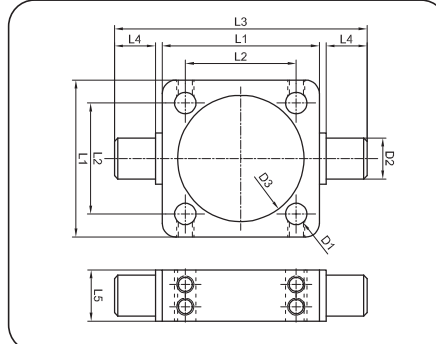
HGØ32 - Ø200

SET VSEBUJE 2 KOSA
SET CONTAINS 2 PSC



INOX

Ø	L1	L2	L3	L4	L5	ØD1	ØD2	ØD3	Kg
32	46	32.5	74	12	15	6.25	12	37	0,13
40	59	38	95	16	20	6.25	16	46	0,31
50	69	46.5	107	16	20	8.25	16	56	0,37
63	84	56.5	130	20	25	8.25	20	69	0,69
80	102	72	150	20	25	10.25	20	87	0,89
100	125	89	182	25	30	10.25	25	107	1,58
125	155	110	210	25	32	12.25	25	133	2,60
160	190	140	264	32	40	16.25	32	170	4,30
200	240	175	312	32	40	16.25	32	211	7,45
250	295	220	400	40	50	20.25	40	264	13,34
320	370	270	500	50	70	24.25	50	338	27,38

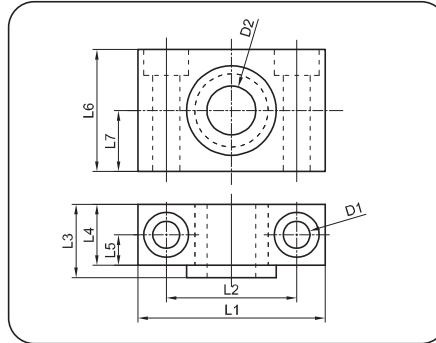


ZKØ32 - Ø320

SAMO ZA CILINDRE PNCG
ONLY FOR PNCG CYLINDERS



Ø	L1	L2	L3	L4	L5	L6	L7	ØD1	ØD2	Kg
32	46	32	18	15	7.5	30	15	6.6	12	0,10
40	55	36	21	18	9	36	18	9	16	0,15
50	55	36	21	18	9	36	18	9	16	0,15
63	65	42	23	20	10	40	20	11	20	0,23
80	65	42	23	20	10	40	20	11	20	0,23
100	75	50	28.5	25	12.5	50	25	14	25	0,44
125	75	50	28.5	25	12.5	50	25	14	25	0,44
160	92	60	40	35	17.5	60	30	18	32	0,85
200	92	60	40	35	17.5	60	30	18	32	0,85

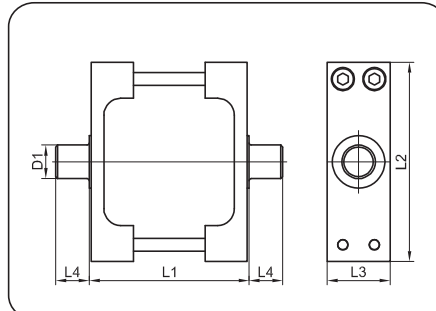


LZØ32 - Ø200

SET VSEBUJE 2 KOSA
SET CONTAINS 2 PSC



Ø	L1	L2	L3	L4	ØD1	Kg
32	50	65	25	12	12	0,18
40	63	75	25	16	16	0,32
50	75	95	30	16	16	0,57
63	90	105	30	20	20	0,66
80	110	130	30	20	20	0,90
100	132	145	40	25	25	1,50
125	160	175	40	25	25	1,77



ZKCØ32 - Ø125

SAMO ZA CILINDRE PNC
ONLY FOR PNC CYLINDERS



INOX

Označene pritrditve so na voljo tudi v INOX izvedbi. Pri naročilu se doda oznaka CR.
Marked accessories are available in INOX version. At the end of order code add CR.

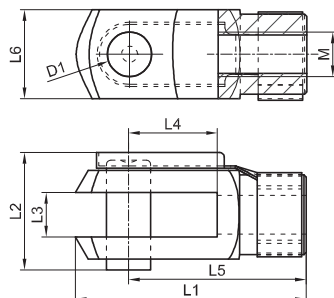
Hypex

PRITRDITEV BATNICE / ROD ACCESSORIES

SG



INOX



TIP TYP	M	L1	L2	L3	L4	L5	L6	D1	Kg
SGM10x1.25	M10x1.25	52	26	10	20	40	20	10	0,09
SGM12x1.25	M12x1.25	62	32	12	25	48	24	12	0,15
SGM16x1.5	M16x1.5	83	39	16	32	64	32	16	0,33
SGM20x1.5	M20x1.5	114	53	20	40	80	40	20	0,70
SGM27x2	M27x2	158	74	30	54	110	55	30	1,46
SGM36x2	M36x2	204	90,5	35	72	144	70	35	3,27
SGM42x2	M42x2	232	104,3	40	84	168	85	40	7,52
SGM48x2	M48x2	265	117,3	50	96	192	96	50	10,03

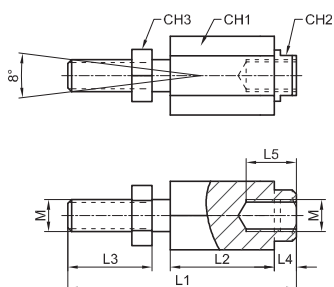
INOX

INOX

INOX

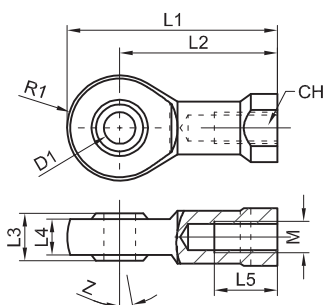
INOX

FK



TIP TYP	M	L1	L2	L3	L4	L5	CH1	CH2	CH3	Kg
FKM10x1.25	M10x1.25	69,5	34	20	8	23	30	19	17	0,22
FKM12x1.25	M12x1.25	74,5	34	24	9	24	30	19	19	0,23
FKM16x1.5	M16x1.5	103	53	32	9	32	41	30	24	0,66
FKM20x1.5	M20x1.5	120	53	40	18	41	41	30	30	0,70

SGS



TIP TYP	M	L1	L2	L3	L4	L5	ØD1	R1	CH	CH	Kg
SGSM10x1.25	M10x1.25	47	43	14	10,5	20	10	14	17	13	0,08
SGSM12x1.25	M12x1.25	66	50	16	12	22	12	16	19	13	0,11
SGSM16x1.5	M16x1.5	85	64	21	15	28	16	21	22	15	0,22
SGSM20x1.5	M20x1.5	102	77	25	18	33	20	25	30	15	0,41
SGSM27x2	M27x2	145	110	37	25	51	30	35	41	15	1,12
SGSM36x2	M36x2	165	125	43	28	56	35	40	50	15	1,60

INOX

Označene pritrditve so na voljo tudi v INOX izvedbi. Pri naročilu se doda oznaka CR.
 Marked accessories are available in INOX version. At the end of order code add CR.

ZAVORA BATNICE KP / ROD BREAK KP

Tehnični podatki / Technical data

Za cilindre / For cylinders

VDMA 24562/ISO 6431

Delovni tlak / Working pressure

4 - 10 bar

Temperatura / Temperature

-20° C +80° C

Material / Material

Ohišje / Housing aluminij / aluminum

Bat / Piston POM

Zaporni element /

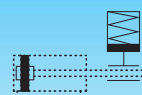
Block element bronze

Tesnila / Seals NBR / ultrathane

Funkcija / Function

Ko na priključku zavore ni tlaka, le-ta drži batnico v položaju.

Rod break holds rod in position, when no pressure is applied on break connector.



NAROČNIŠKA KODA / ORDER CODE:

KP



NAZIVNI PREMER / DIAMETER

32, 40, 50, 63, 80, 100



Za vgradnjo zavor batnice KP je potreben cilindar s podaljšano batnico. Cilindri se naročajo z opcijo KP, kar pomeni podaljšano batnico za vgradnjo zavore. Glej stran 1.020.0.

For implementation of KP rod brakes, cylinder with extended rod is needed. When ordering cylinders, add option KP, which means extended rod for rod break implementation. See page 1.020.0.

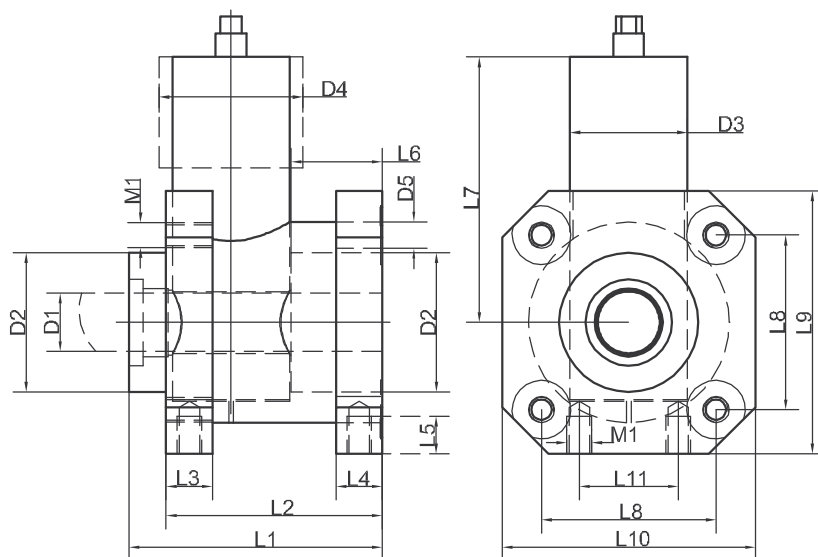


NAVODILO ZA MONTAŽO! USERS MANUAL!

Pri montaži zavore batnice na cilindar je potrebno paziti, da je vijak na vrhu cilindričnega dela privit do konca, kar omogoča sestavo zavore na batnico. Po spojitvi zavore s cilindrom s priloženim vijačnim materialom, odstranimo vijak na vrhu zavore in namesto njega uvijemo ustrezeni priključek za krmiljenje zavore.



When mounting rod break on the cylinder, make sure the bolt on the top of the rod break is tightened. This ensures, that you can assemble rod break on the rod. When rod break and cylinder are assembled, the bolt on the top of the rod break should be replaced with adequate fitting for rod break control.

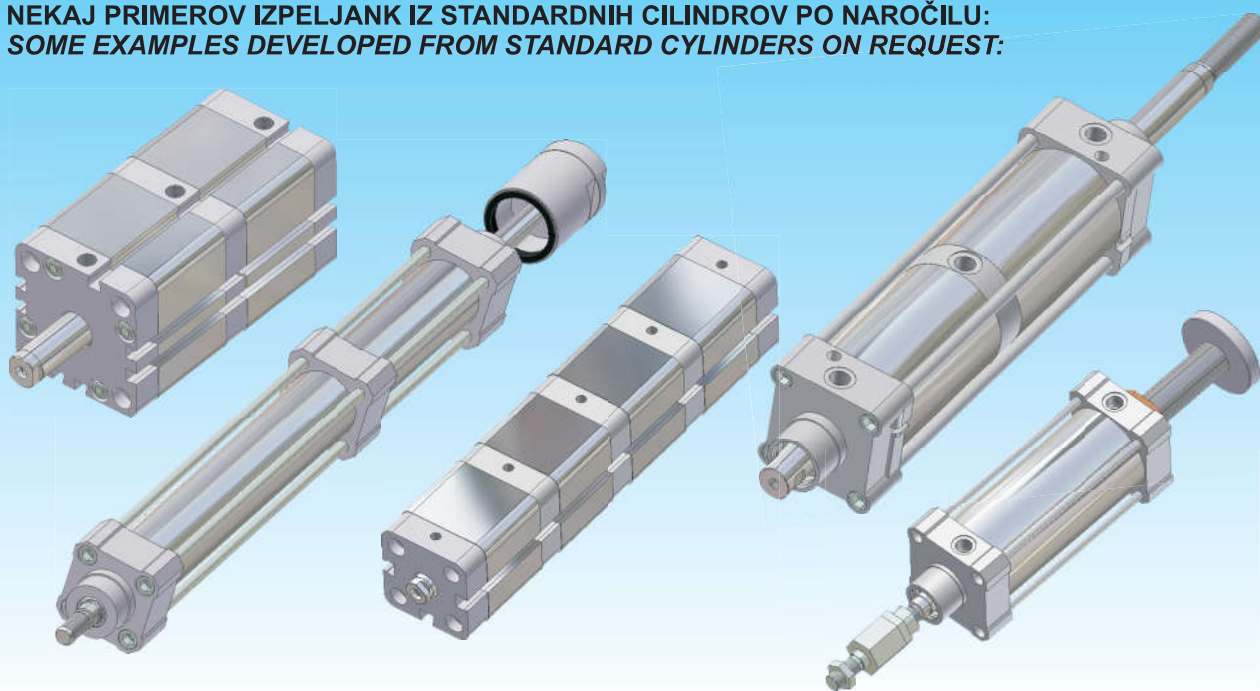


TIP TYPE	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	ØD1	ØD2	ØD3	ØD4	ØD5	M1
32	58	48	12	8	8	20,5	45,5	32,5	50	48	16	12	30	20	25	6,6	M6
40	65	55	12	10	10	22,5	61,5	38	58	56	21	16	35	24	/	6,6	M6
50	82	70	16	15	12	29,5	75,5	46,5	70	68	24	20	40	30	/	8,5	M8
63	82	70	15	15	12	29,5	86	56,5	85	82	32	20	45	38	/	8,5	M8
80	110	90	16	16	16	35,5	119	72	105	100	44	25	45	40	/	11	M10
100	115	92	18	16	16	38,5	119	89	130	120	60	25	55	48	/	11	M10

POSEBNE IZVEDBE CILINDROV / SPECIAL VERSIONS OF CYLINDERS

Zaradi najrazličnejših razlogov, konstrukcijskih napak, pomanjkanja prostora, premajhne sile na omejenem prostoru ali pa preprosto zaradi posebnih zahtev včasih potrebujemo posebne, nestandardne vrste cilindrov. V takih slučajih vam v našem podjetju stopimo naproti z raznovrstnimi konstrukcijami in izdelavo pnevmatskih cilindrov po vaših zahtevah. Take posebne izvedbe so lahko izpeljanke iz standardnih cilindrov ali pa povsem na novo zasnovani cilindri in druge pnevmatske komponente.

For many different reasons, such as constructional errors, space limitations, insufficient force in a limited space, or just because of special requests, sometimes special, non-standard cylinders are needed. In those cases we can offer you design and production of cylinders on your demand. Those special versions can be developed from standard cylinders or designed completely from scratch.

**NEKAJ PRIMEROV IZPELJANK IZ STANDARDNIH CILINDROV PO NAROČILU:
SOME EXAMPLES DEVELOPED FROM STANDARD CYLINDERS ON REQUEST:**

**NEKAJ PRIMEROV NA NOVO KONSTRUIRANIH CILINDROV PO NAROČILU:
SOME EXAMPLES OF NEWLY DESIGNED CYLINDERS ON REQUEST:**


KOMPAKтни CILINDER / COMPACT CYLINDER ADM, ASM, ASMZ

Tehnični podatki / Technical data

Medij / Fluid

filtriran, suh ali naoljen komprimiran zrak
filtered, dry or oiled compressed air

Delovni tlak / Working pressure

max 10 bar

Temperatura / Temperature

max. 70° C

Material / Material

Pokrovi / End caps alu. / aluminum

Cev / Tube alu. / aluminum

Batnica / Rod X 20 Cr 13

Vodilna puša / Guide bronza / bronze

Tesnila / Seals PU



Senzorji SMT40TP stran 3.500,0
Sensors SMT40TP page 3.500,0

ADM



ASM



ASMZ



NAROČNIŠKA KODA / ORDER CODE:

PA

TIP CILINDRA/TYPE OF CYLINDER

ADM Dvostransko delujoč cilinder
Double acting cylinder

ASM Enostransko delujoč cilinder s povratno vzmetjo
Single acting cylinder with return spring

ASMZ Enostransko delujoč cilinder z vzmetjo
Single acting cylinder with spring

NAZIVNI PREMER / DIAMETER

16, 20, 25, 32, 40, 50, 63, 80, 100

OPCIJA / OPTION

/ Standard / Standard

S2 Skoznja batnica / Through rod

POSEBNA IZVEDBA / SPECIAL VERSION

/ Standard / Standard

A Zunanji navoj na batnici
Male thread on the rod

HOD / STROKE

ASM Max. 40mm

ASMZ Max. 40mm

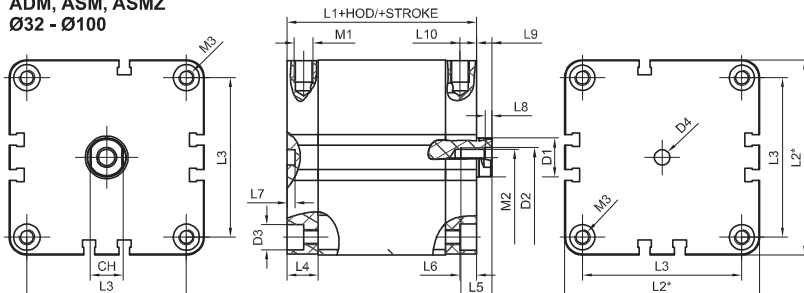
PRIPOROČENI MAX. HOD / ADVISED MAX. STROKE

	Ø16	Ø20	Ø32	Ø40	Ø50	Ø63	Ø80	Ø100
ADM	40	50	50	80	80	80	80	80



Vsi ADM, ASM, ASMZ cilindri so opremljeni z magnetom na batni v končnih legah.
Mazanje pri filtriranem in sušenem zraku ni potrebno!
All ADM, ASM, ASMZ cylinders are equipped with magnet on the piston and PU rings at the end positions. Lubricating is not necessary, when filtered, dry air is used!

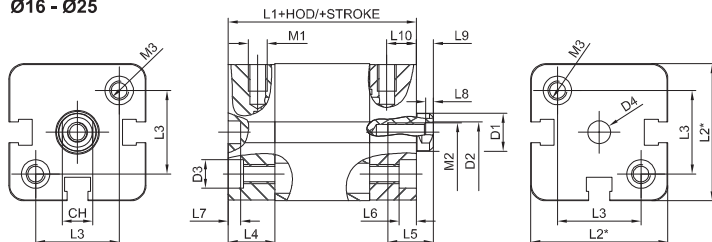
ADM, ASM, ASMZ Ø32 - Ø100



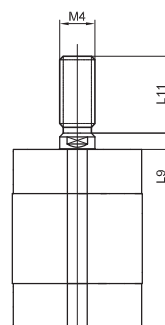
ŠTEVILO UTOROV ZA SENZORJE NUMBER OF SLOTS FOR SENSORS

Ø16 Ø40 3 UTORI / SLOTS
Ø50 Ø100 7 UTOROV / SLOTS

ADM, ASM, ASMZ Ø16 - Ø25



POSEBNA IZVEDBA A SPECIAL VERSION A



Ø	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	ØD1	ØD2	ØD3	ØD4	M1	M2	M3	M4	CH	Teža Weight 1*	Teža Weight 2*
16	38	29	18	12.25	8	3.5	4	1.5	4.5	8	20	8	4.25	6	6	M 5	M 4	M 4	M 8	6	0,09	0,01
20	38	36	22	12.25	10	4.5	4	2	4.5	8	22	10	5.25	7.5	6	M 5	M 5	M 5	M 10x1.25	8	0,13	0,02
25	39.5	40	26	12.75	10	4.5	4	2	5.5	8	22	10	5.25	7.5	6	M 5	M 5	M 5	M 10x1.25	8	0,15	0,03
32	44.5	50	32	14.5	12	5.5	4	2.5	6	8	22	12	6.25	9	6	G 1/8	M 6	M 6	M 10x1.25	10	0,27	0,04
40	45.5	58	42	14.75	12	5.5	4	2.5	6.5	8	22	12	6.25	9	6	G 1/8	M 6	M 6	M 10x1.25	10	0,38	0,05
50	45.5	67	50	14.75	12	6.5	4	3	7.5	8	24	16	8.25	10.5	6	G 1/8	M 8	M 8	M 12x1.25	13	0,50	0,06
63	50	80	62	14.25	14	8.5	4	3	7.5	8	24	16	8.25	13.5	8	G 1/8	M 8	M 10	M 12x1.25	13	0,77	0,07
80	56	100	82	16	15	8.5	4	3.5	8	8.5	32	20	10.25	13.5	8	G 1/8	M 10	M 10	M 16x1.5	17	1,42	0,11
100	66.5	124	103	19.25	20	8.5	4	3.5	10	10.5	40	25	12.25	13.5	8	G 1/4	M 12	M 10	M 20x1.5	22	2,55	0,17

L2* Zunanja mera cevi
Tube's outer dimension

Teža
Weight
1*
Teža (kg) (hod = 0mm)
Weight (kg) (stroke = 0mm)

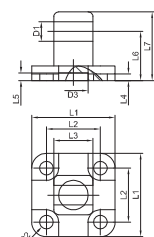
Teža
Weight
2*
Teža (kg) vsakih 10mm
Weight (kg) per every 10mm

PRITRDITVE ZA CILINDRE ADM, ASM, ASMZ, ADMA / ACCESSORIES FOR CYLINDERS ADM, ASM, ASMZ, ADMA

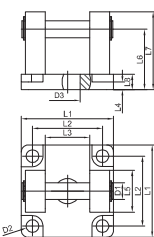
ASU



Ø16-Ø25



Ø32-Ø100

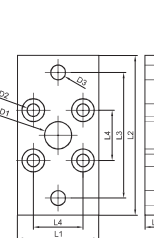


Ø	L1	L2	L3	L4	L5	L6	L7	L8	ØD1	ØD2	ØD3	Kg
16	27	18	12	2.6	3	16	22	6	6	4.5	10	0,02
20	34	22	16	2.6	3	20	28	6	8	5.5	12	0,02
25	38	26	16	2.6	3	20	28	6	8	5.5	12	0,03
32	48	32	26	5.5	20	22	32	9	10	6.6	14	0,06
40	58	42	28	5.5	25	25	37.5	9	12	6.6	14	0,10
50	66	50	32	6.5	25	27	39.5	11	12	9	18	0,14
63	83	62	40	6.5	30	32	47	11	16	9	18	0,24
80	102	82	50	10	30	36	51	13	16	11	23	0,42
100	123	103	60	10	40	41	61	13	20	11	23	0,72

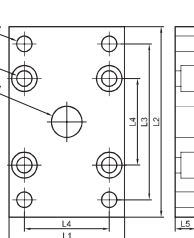
AFL



Ø16-Ø25

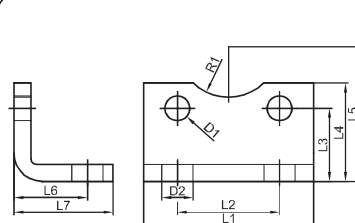


Ø32-Ø100



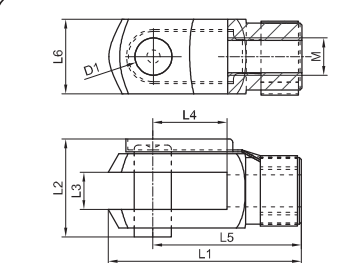
Ø	L1	L2	L3	L4	L5	ØD1	ØD2	ØD3	Kg
16	29	55	43	18	10	10	4.5	5.5	0,01
20	36	70	55	22	10	12	5.5	6.5	0,02
25	40	76	60	26	10	12	5.5	6.5	0,02
32	50	80	65	32	10	14	6.6	7	0,26
40	60	102	82	42	10	14	6.6	9	0,42
50	68	110	90	50	12	18	9	9	0,60
63	87	130	110	62	15	18	11	9	1,20
80	107	160	135	82	15	23	11	12	1,80
100	128	190	163	103	15	28	11	14	2,55

AHP

SET VSEBUJE 2 KOSA
SET CONTAINS 2 PSC

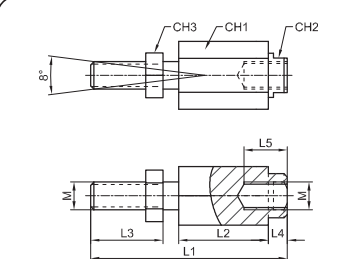
Ø	L1	L2	L3	L4	L5	L6	L7	ØD1	ØD2	R1	Kg
16	30	18	13	17.5	24	13	17.5	4.4	5.5	9	0,02
20	36	22	16	22	26	16	22	5.4	6.6	10	0,03
25	40	26	17	23	28	16	22	5.4	6.6	11	0,04
32	50	32	16	24	29	18	26	6.6	6.6	12	0,07
40	60	42	21.5	29.5	/	20	28	6.6	9	/	0,10
50	68	50	22	30	/	24	32	9	9	/	0,15
63	84	62	28.5	39	/	27	39	9	11	/	0,25
80	102	82	24.5	36.5	/	30	42	11	11	/	0,38
100	123	103	26.5	38.5	/	33	45	11	13.5	/	0,50

SG



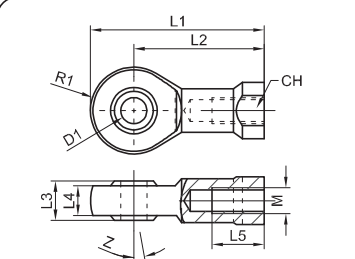
	M	L1	L2	L3	L4	L5	L6	D1	Kg
SGM 4	M 4	21	11	4	8	16	8	4	0,01
SGM 6	M 6	31	16	6	12	24	12	6	0,02
SGM 8	M 8	42	21.5	8	16	32	16	8	0,05
SGM 10	M 10	52	26	10	20	40	20	10	0,09
SGM 10x1.25	M 10x1.25	52	26	10	20	40	20	10	0,09
SGM 12x1.25	M 12x1.25	62	32	12	24	48	24	12	0,25
SGM 16x1.5	M 16x1.5	83	39	16	32	64	32	16	0,53
SGM 20x1.5	M 20x1.5	114	53	20	40	80	40	20	1,10

FK



	M	L1	L2	L3	L4	L5	CH1	CH2	CH3	Kg
FKM 4	M 4	33	16.5	8	4.5	12	11	11	7	0,02
FKM 6	M 6	37	17.5	12	3.5	11	13	7	10	0,03
FKM 8	M 8	48.5	23.5	15	5	14	17	10	13	0,06
FKM 10	M 10	67.5	34	18	8	23	30	19	17	0,22
FKM 10x1.25	M 10x1.25	69.5	34	20	8	23	20	19	17	0,22
FKM 12x1.25	M 12x1.25	74.5	34	24	9	24	32	19	19	0,23
FKM 16x1.5	M 16x1.5	103	53	32	9	32	32	30	24	0,66
FKM 20x1.5	M 20x1.5	120	53	40	18	41	40	30	30	0,70

SGS



	M	L1	L2	L3	L4	L5	RD1	R1	CH	Z°	Kg
SGSM 4	M 4	36	27	8	6	10	5	9	9	13	0,02
SGSM 6	M 6	40	30	9	6.8	12	6	10	11	13	0,03
SGSM 8	M 8	48	36	12	9	16	8	12	14	13	0,05
SGSM 10	M 10	57	43	14	10.5	20	10	14	17	13	0,08
SGSM 10x1.25	M 10x1.25	47	43	14	10.5	20	10	14	17	13	0,08
SGSM 12x1.25	M 12x1.25	66	50	16	12	22	12	16	19	13	0,11
SGSM 16x1.5	M 16x1.5	85	64	21	15	28	16	21	22	15	0,22
SGSM 20x1.5	M 20x1.5	102	77	25	18	33	20	25	30	15	0,41

KOMPAKTNI CILINDER / COMPACT CYLINDER ADMA

Tehnični podatki / Technical data

Medij / Fluid

filtriran, suh ali naoljen komprimiran zrak
filtered, dry or oiled compressed air

Delovni tlak / Working pressure

max 10 bar

Temperatura / Temperature

max. 70° C

Material / Material

Pokrovi / End caps alu / aluminum
Cev / Tube alu / aluminum
Batnica / Rod X 20 Cr 13
Vodilna puša / Guide bronza / bronze
Tesnila / Seals PU



Senzorji SMT40TP stran 3.500.0
Sensors SMT40TP page 3.500.0

NAROČNIŠKA KODA / ORDER CODE:

ADMA PA

NAZIVNI PREMER / DIAMETER

16, 20, 25, 32, 40, 50, 63, 80, 100

HOD / STROKE

PRIPOROČENI MAX. HOD / ADVISED MAX. STROKE

	Ø16	Ø20	Ø32	Ø40	Ø50	Ø63	Ø80	Ø100
ADM	40	50	50	80	80	80	80	80

Vsi ADMA cilindri so opremljeni z magnetom na batni in PU obročih v končnih legah.
Mazanje pri filtriranem in sušenem zraku ni potrebno!
All ADMA cylinders are equipped with magnet on the piston and PU rings at the end positions.
Lubricating is not necessary when filtered, dry air is used!

OPOZORILO! WARNING!

Cilindri ADMA imajo vgrajena vodila proti zasuku batnice. To pomeni, da jih ne smemo uporabljati kot pogonskovodilne elemente v aplikacijah, kjer se premika večje mase ali je zahtevana večja točnost vodenja.

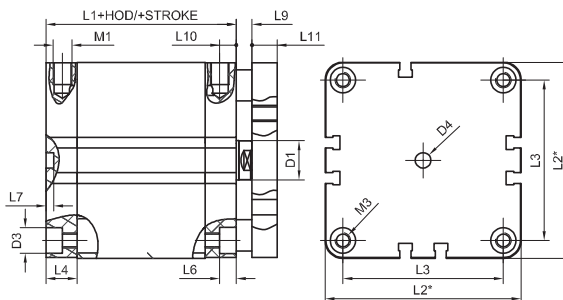
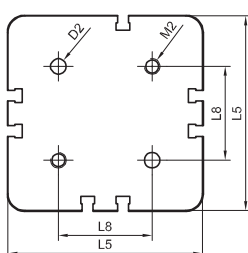
V ta namen je potrebno izbrati komponento z vgrajenimi vodili oz zunanjim vodenjem.

ADMA cylinders have integrated guides against rotation. They shouldn't be used as propelling guides in applications where larger masses are moved or the demanded guide precision is high. For those applications component with integrated guides or external guides should be used.

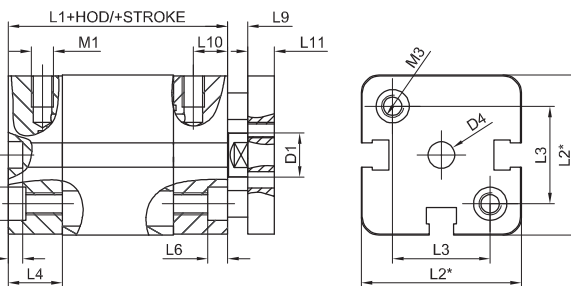
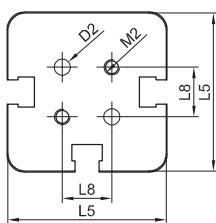
ŠTEVILO UTOROV ZA SENZORJE NUMBER OF SLOTS FOR SENSORS

Ø16 - Ø40 3 UTORI / SLOTS
Ø50 - Ø100 7 UTOROV / SLOTS

ADMA Ø32Ø100



ADMA Ø16Ø25



Ø	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	ØD1	ØD2	ØD3	ØD4	M1	M2	M3	Teža Weight 1*	Teža Weight 2*
16	38	29	18	12.25	28.9	3.5	4	9.9	4.5	8	6	8	3	6	6	M 5	M 3	M 4	0,09	0,01
20	38	36	22	12.25	34.7	4.5	4	12	4.5	8	8	10	4	7.5	6	M 5	M 4	M 5	0,16	0,02
25	39.5	40	26	12.75	39.7	4.5	4	15.6	5.5	8	8	10	5	7.5	6	M 5	M 5	M 5	0,20	0,03
32	44.5	50	32	14.5	49.8	5.5	4	19.8	6	8	10	12	5	9	6	G 1/8	M 5	M 6	0,33	0,04
40	45.5	58	42	14.75	57.7	5.5	4	23.3	6.5	8	10	12	5	9	6	G 1/8	M 5	M 6	0,46	0,05
50	45.5	67	50	14.75	66.7	6.5	4	29.7	7.5	8	12	16	6	10.5	6	G 1/8	M 6	M 8	0,63	0,06
63	50	80	62	14.25	79.7	8.5	4	35.4	7.5	8	12	16	6	13.5	8	G 1/8	M 6	M 10	0,97	0,07
80	56	100	82	16	99.8	8.5	4	46	8	8.5	14	20	8	13.5	8	G 1/8	M 8	M 10	1,78	0,11
100	66.5	124	103	19.25	123.5	8.5	4	56.6	10	10.5	14	25	10	13.5	8	G 1/4	M 10	M 10	3,11	0,17

L2* ZUNANJA MERA CEVI
TUBE'S OUTER DIMENSION

Teža Weight 1*
Teža (kg) (hod = 0mm)
Weight (kg) (stroke = 0mm)

Teža Weight 2*
Teža (kg) vsakih 10mm
Weight (kg) per every 10mm

Hypex

1.060.0

ROTACIJSKI CILINDER RTB / ROTATION CYLINDER RTB



OBRAČALNI KOT V KONČNIH LEGAH JE
FINO NASTAVLJIV V OBMOČJU 30° - 180°
Z NASTAVITVENIMI VIJAKI.

ROTATION ANGLE AT THE END POSITIONS IS
FINE ADJUSTABLE IN AREA 30° - 180°
WITH ADJUSTMENT SCREWS.



Tehnični podatki / Technical data

Medij / Fluid

filtriran, suh ali naoljen komprimiran zrak
filtered, dry or oiled compressed air

Delovni tlak / Working pressure

1,5-7 bar

Temperatura / Temperature

max. 70° C

Material / Material

Pokrovi / End caps

alu. / aluminum

Cev / Tube

alu. / aluminum

Ležaji / Bearings

kroglični / ball

Tesnila / Seals

PU

TIP TYPE	Ø CIL Ø CYL	KOT ° ANGLE °	Navor(Nm) pri 5 bar Torque(Nm) at 5 bar
RTB10	15	180	2.5
RTB20	18	180	4.1
RTB30	20	180	5.5
RTB50	25	180	9.8

NAROČNIŠKA KODA / ORDER CODE:

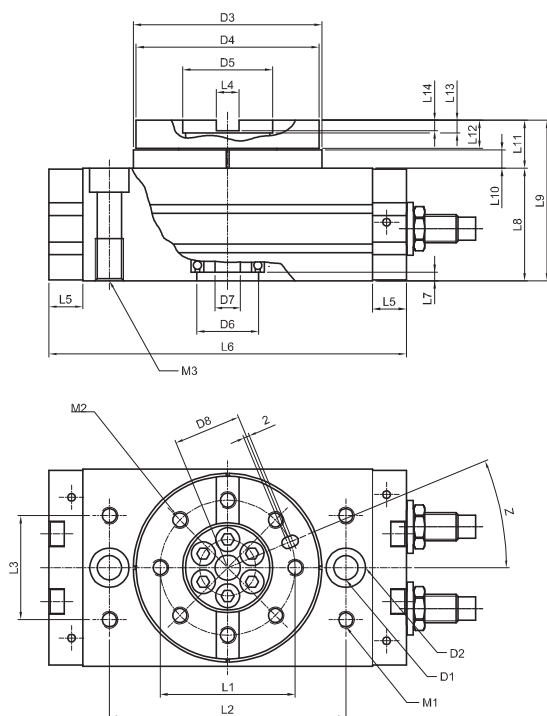
NAZIVNA VELIKOST / SIZE

10, 20, 30, 50

RTB

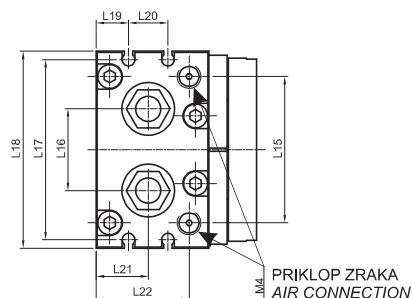


Senzorji SMO40TP stran 3.500.0
Sensors SMO40TP page 3.500.0



Mazanje pri filtriranem in sušenem zraku ni potrebno!

Lubricating is not necessary when filtered, dry air is used!



TIP TYP	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13	L14	L15	L16	L17	L18
10	32	60	27	6	9.5	92	2.5	34	47	4.5	13	8	4	2.7	35	18	44	50
20	43	76	34	8	12	117	2.5	37	54	6.5	17	9.7	6.5	3.2	50.8	27.5	59	65
30	48	84	37	8	12	127	3	40	57	6.5	17	10	4.5	3.7	52	29	64	70
50	55	100	50	10	15.5	152	2	46	66	7.5	20	12	5	4.2	62	38	74	80

Ø	L19	L20	L21	L22	ØD1	ØD2	ØD3	ØD4	ØD5	ØD6	ØD7	ØD8	M1	M2	M3	M4	Z°	kg
8	9	13	15.5	28.6	6.8	11	46	45	20	15	5	15	M 5	M 5	M 8	M 5	22.5	0.51
10	10	12	16	28.6	8.6	14	61	60	28	17	9	20.5	M 6	M 6	M 10	M 5	22.5	0.98
12	11.5	14	18.5	33	8.6	14	67	65	32	22	9	23	M 6	M 6	M 10	G 1/8	22.5	1.24
16	14.5	15	22	37.6	10.5	17	77	75	35	26	10	26.5	M 8	M 8	M 12	G 1/8	22.5	2.07

ROTACIJSKI CILINDER RTBM / ROTATION CYLINDER RTBM

Tehnični podatki / Technical data

Medij / Fluid

filtriran, suh ali naoljen komprimiran zrak
filtered, dry or oiled compressed air

Delovni tlak / Working pressure

1,5 - 7 bar

Temperatura / Temperature

max. 70° C

Materijal / Material

Pokrovi / End caps alu. / aluminum

Cev / Tube alu. / aluminum

Ležaji / Bearings kroglični / ball

Tesnila / Seals PU



OBRAČALNI KOT V KONČNIH LEGAH JE
FINO NASTAVLJIV V OBMOČJU $\pm 3^\circ$
Z BLAŽILCI IZ GUME ALI Z BLAŽILCI SUNKOV.

ANGLE OF ROTATION AT THE END
POSITIONS IS FINE ADJUSTABLE WITHIN $\pm 3^\circ$
WITH CUSHION STOPPERS OR SHOCK
ABSORBERS.



NAROČNIŠKA KODA / ORDER CODE:

NAZIVNA VELIKOST / SIZE

10, 20, 30, 50

OBRAČALNI KOT / ANGLE OF ROTATION

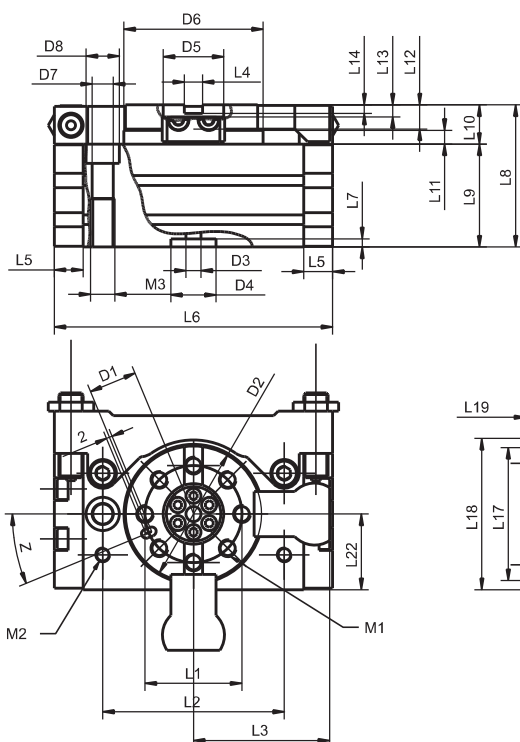
90°, 180°

RTBM

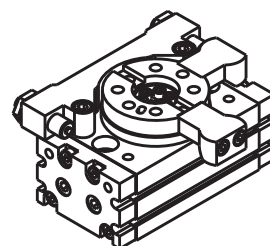


Senzorji SMO40TP stran 3.500.0
Sensors SMO40TP page 3.500.0

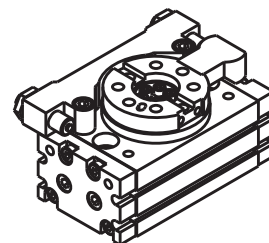
TIP TYPE	Ø CIL Ø CYL	KOT ° ANGLE °	Navor(Nm) pri 5 bar Torque(Nm) at 5 bar
RTBM10	15	90/180	2,5
RTBM20	18	90/180	4,1
RTBM30	20	90/180	5,5
RTBM50	25	90/180	9,8



Mazanje pri filtriranem in sušenem zraku ni potrebno!
Lubricating is not necessary when filtered, dry air is used!



RTBM x 90°



RTBM x 180°

TIP TYP	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13	L14	L15	L16	L17	L18
10	32	60	44,5	6	9,5	92	2,5	47	34	13	4,5	8	4	2,7	59	35	44	50
20	43	76	57	8	12	117	2,5	54	37	17	6,6	9,7	6,5	3,2	75,5	50,8	59	65
30	48	84	62	8	12	127	3	57	40	17	6,6	10	4,5	3,7	81	52	64	70
50	55	100	73	10	15,5	152	2	66	46	20	7,5	12	5	4,2	95	62	74	80

L19	L20	L21	ØD1	ØD2	ØD3	ØD4	ØD5	ØD6	ØD7	ØD8	M1	M2	M3	M4	Z°	Kg
9	13	25	15	45	5	15	20	46	6,8	11	M 5	M 5	M 8	M 5	22,5	0,51
10	12	32,5	20,5	60	9	17	28	61	8,6	14	M 6	M 6	M 10	M 5	22,5	0,98
11,5	14	35	23	65	9	22	32	67	8,6	14	M 6	M 6	M 10	G 1/8	22,5	1,24
14,5	15	40	26,5	75	10	26	35	77	10,5	17	M 8	M 8	M 12	G 1/8	22,5	2,07

DVOBATNI CILINDER Z VODILI MXS / TWINROD SLIDE RAIL CYLINDER MXS



Senzorji SMO40TP stran 3.500.0
Sensors SMO40TP page 3.500.0



Tehnični podatki / Technical data

Medij / Fluid

filtriran, suh ali naoljen komprimiran zrak
filtered, dry or oiled compressed air

Delovni tlak / Working pressure

1,5 - 7 bar

Temperatura / Temperature

-10 to 70 °C

Material / Material

Ohišje / Housing

aluminum

Batnica / Rod

stainless steel

Vodilo / Slide rail

carbon tool steel

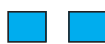
(heat treated)

Tesnila / Seals

NBR

NAROČNIŠKA KODA / ORDER CODE:

MXS



NAZIVNI PREMER / DIAMETER

8, 12, 16, 20, 25

STANDARDNI HODI / STANDARD STROKES

enota / unit:

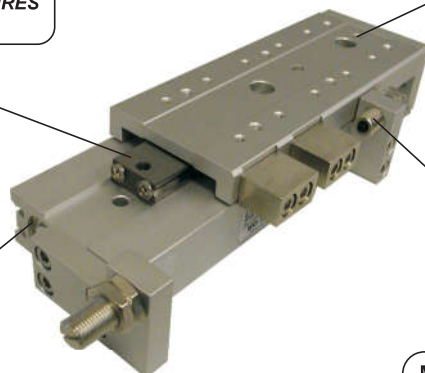
NAZIVNI PREMER / DIAMETER	HOD / STROKE									
	8	10	20	30	40	50	75	100	125	150
8										
12	10	20	30	40	50	75	100	125	150	
16	10	20	30	40	50	75	100	125	150	
20	10	20	30	40	50	75	100	125	150	
25	10	20	30	40	50	75	100	125	150	



Senzorji SMO40TP stran 3.500.0
Sensors SMO40TP page 3.500.0

LINEARNO VODILO ZAGOTAVLJA TOGOST IN
PRECIZNOST
THE LINEAR CROSS ROLLER GUIDE ENSURES
RIGIDITY

S POZICIONIRNIMI LUKNJAMI JE
ZAGOTOVLJENA PONOVLJIVA MONTAŽA
POSITIONING HOLES ENSURE
WORKPIECE MOUNTING REPEATABILITY



DVOBATNI CILINDER ZAGOTAVLJA DVAKRAT
VEČJO SILO OD OBČAJNEGA CILINDRA
THE DUAL PISTON ROD ENSURES TWICE THE
THRUST OF THE CURRENT CYLINDER

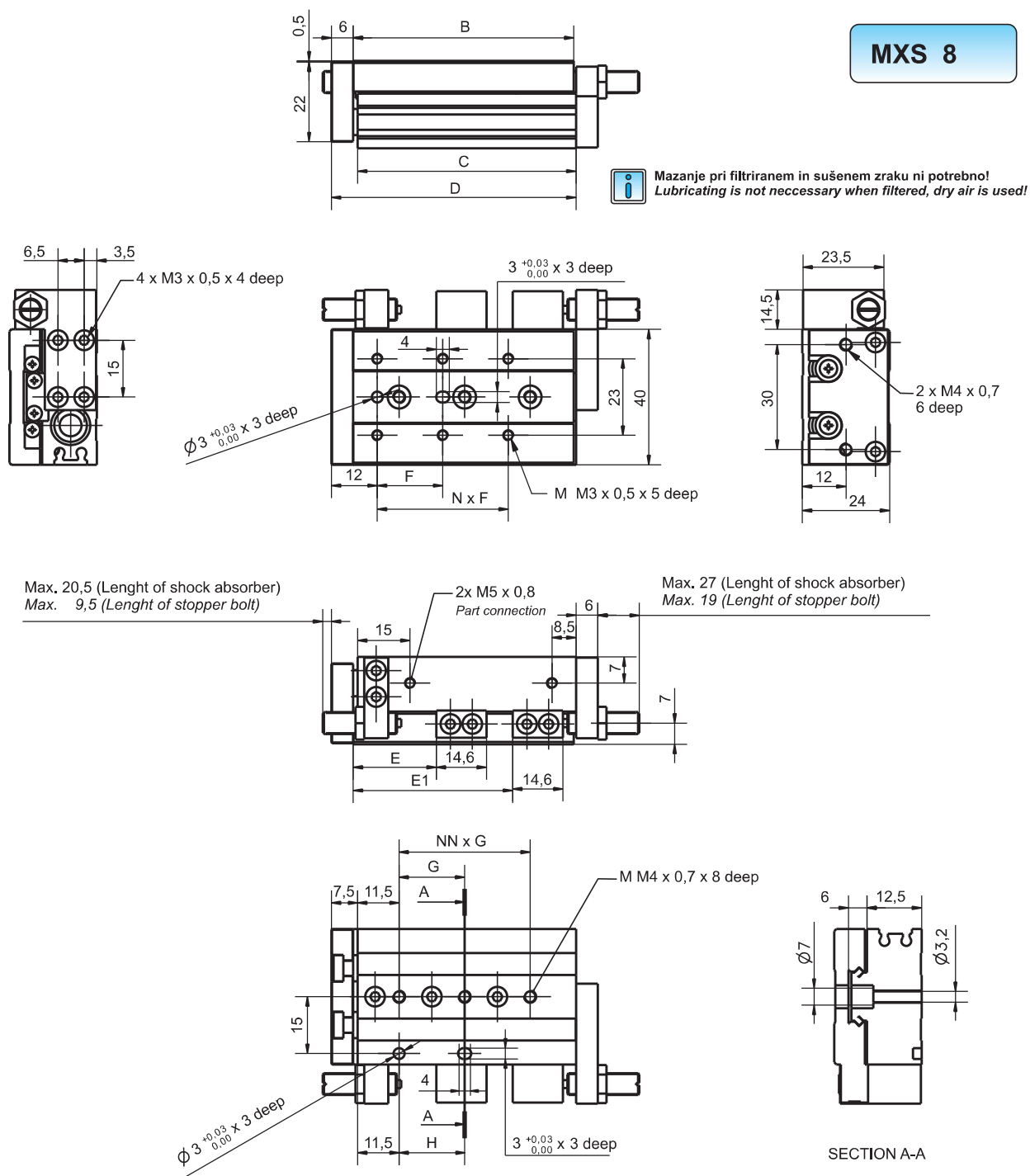
MOŽNOSTI NASTAVITVE KONČNE POZICIJE
Z BLAŽILCI IZ GUME ALI Z BLAŽILCI SUNKOV
ADJUSTER OPTION
WITH CUSHION STOPPERS OR SCHOCK
ABSORBERS

NAZIVNI PREMER / DIAMETER	PREMER BATNICE / ROD SIZE	SMER DELOVANJA / OPERATING DIRECTION	POVRŠINA BATA / PISTON AREA	obratovalni tlak / operating pressure (Mpa)					
				0,2	0,3	0,4	0,5	0,6	0,7
8	4	OUT	101	20	30	40	51	61	71
		IN	75	15	23	30	38	45	53
12	6	OUT	226	45	68	90	113	136	158
		IN	170	34	51	68	85	102	119
16	8	OUT	402	80	121	161	201	241	281
		IN	302	60	91	121	151	181	211
20	10	OUT	628	126	188	251	314	377	440
		IN	471	94	141	188	236	283	330
25	12	OUT	982	196	295	393	491	589	687
		IN	756	151	227	302	378	454	529

opomba: teoretična sila (N) = pritisk (Mpa) x površina bata (mm²)
note: theoretical power (N) = pressure (Mpa) x piston area (mm²)

DVOBATNI CILINDER Z VODILI MXS / TWINROD SLIDE RAIL CYLINDER MXS

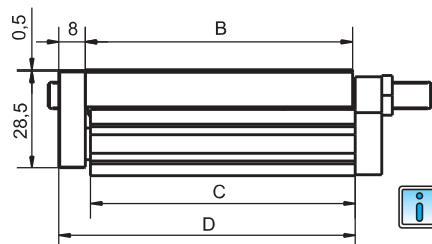
MXS 8



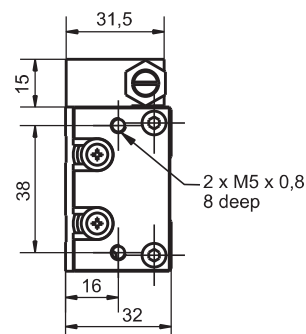
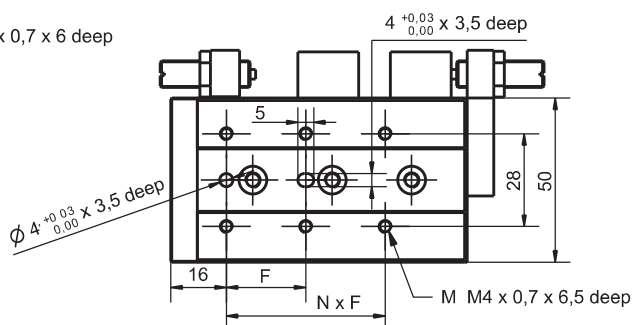
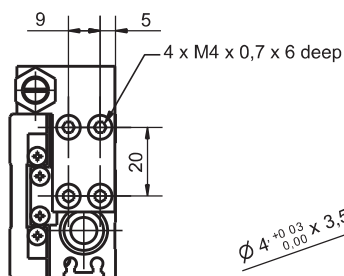
HOD / STROKE	B	C	D	E	E1	E2	F	N	G	NN	H	M	MM	kg
10	49	48,5	56	23,5		2	25	1	28	1	20	4	2	0.1
20	54	53,5	61	33,5		2	25	1	30	1	30	4	2	0.1
30	65	64,5	72	43,5		2	40	1	20	2	20	4	3	0.2

DVOBATNI CILINDER Z VODILI MXS / TWINROD SLIDE RAIL CYLINDER MXS

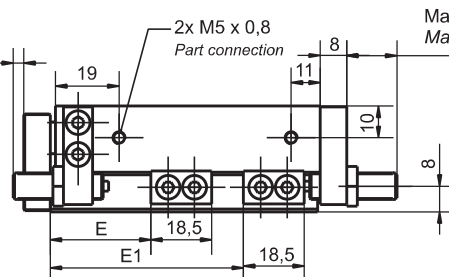
MXS 12



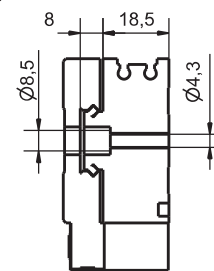
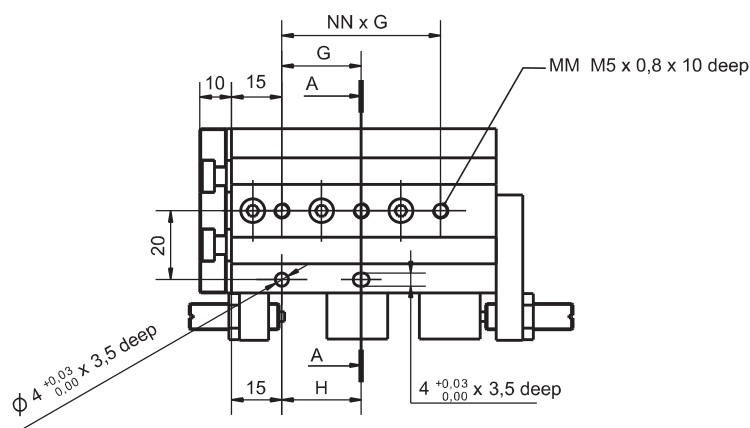
Mazanje pri filtriranem in sušenem zraku ni potrebno!
Lubricating is not necessary when filtered, dry air is used!



Max. 15,5 (Length of shock absorber)
Max. 4,5 (Length of stopper bolt)



Max. 26 (Length of shock absorber)
Max. 19 (Length of stopper bolt)

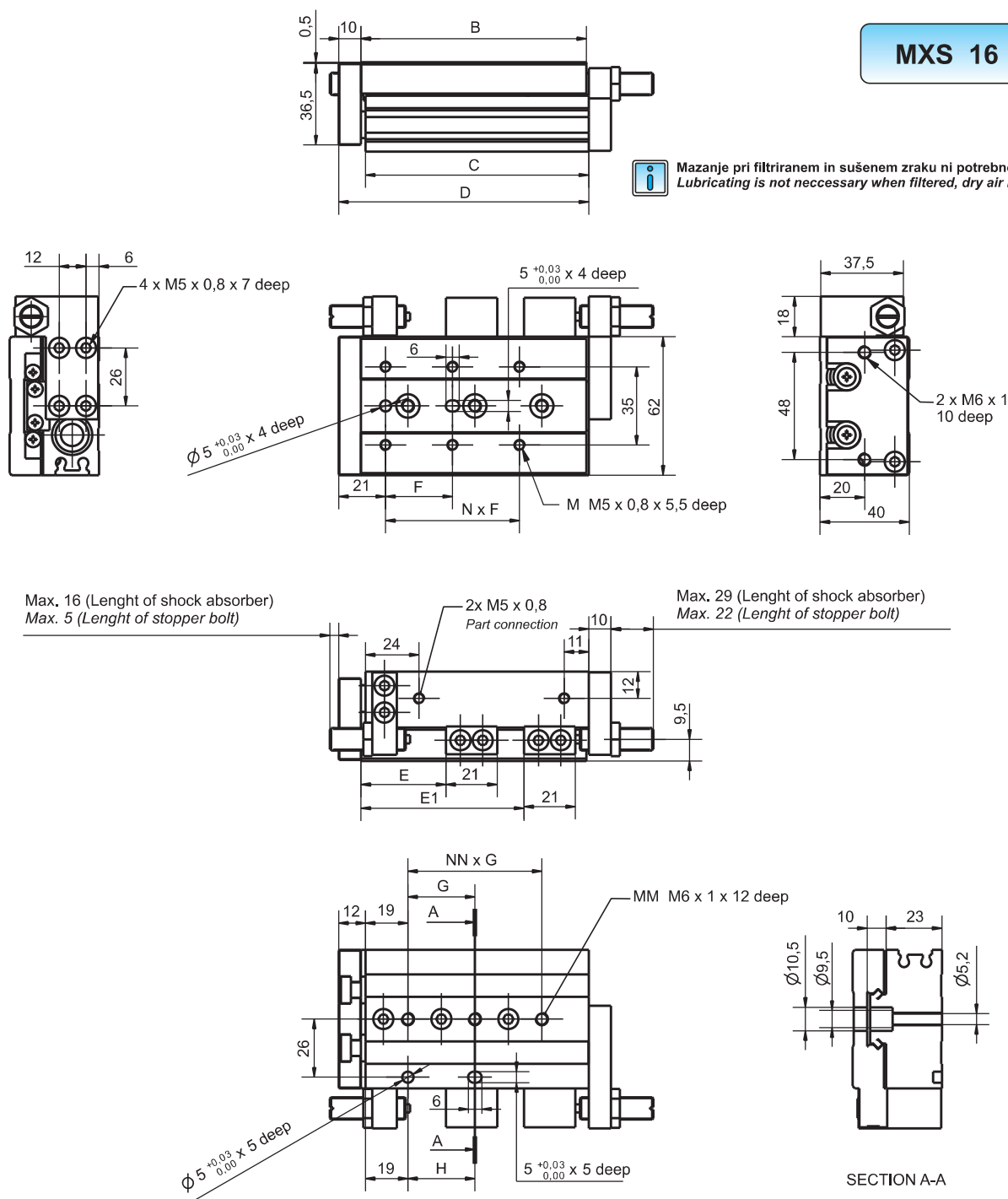


SECTION A-A

HOD / STROKE	B	C	D	E	E1	E2	F	N	G	NN	H	M	MM	kg
10	71	70	80	26,5		2	35	1	40	1	40	4	2	0.3
20	71	70	80	36,5		2	35	1	40	1	40	4	2	0.3
30	71	70	80	46,5		2	35	1	40	1	40	4	2	0.3
40	83	82	92	56,5		2	50	1	25	2	25	4	3	0.4
50	103	102	112	66,5		2	35	2	36	2	36	6	3	0.5
75	149	148	158	91,5	125,5	4	55	2	36	3	72	6	4	0.7

DVOBATNI CILINDER Z VODILI MXS / TWINROD SLIDE RAIL CYLINDER MXS

MXS 16



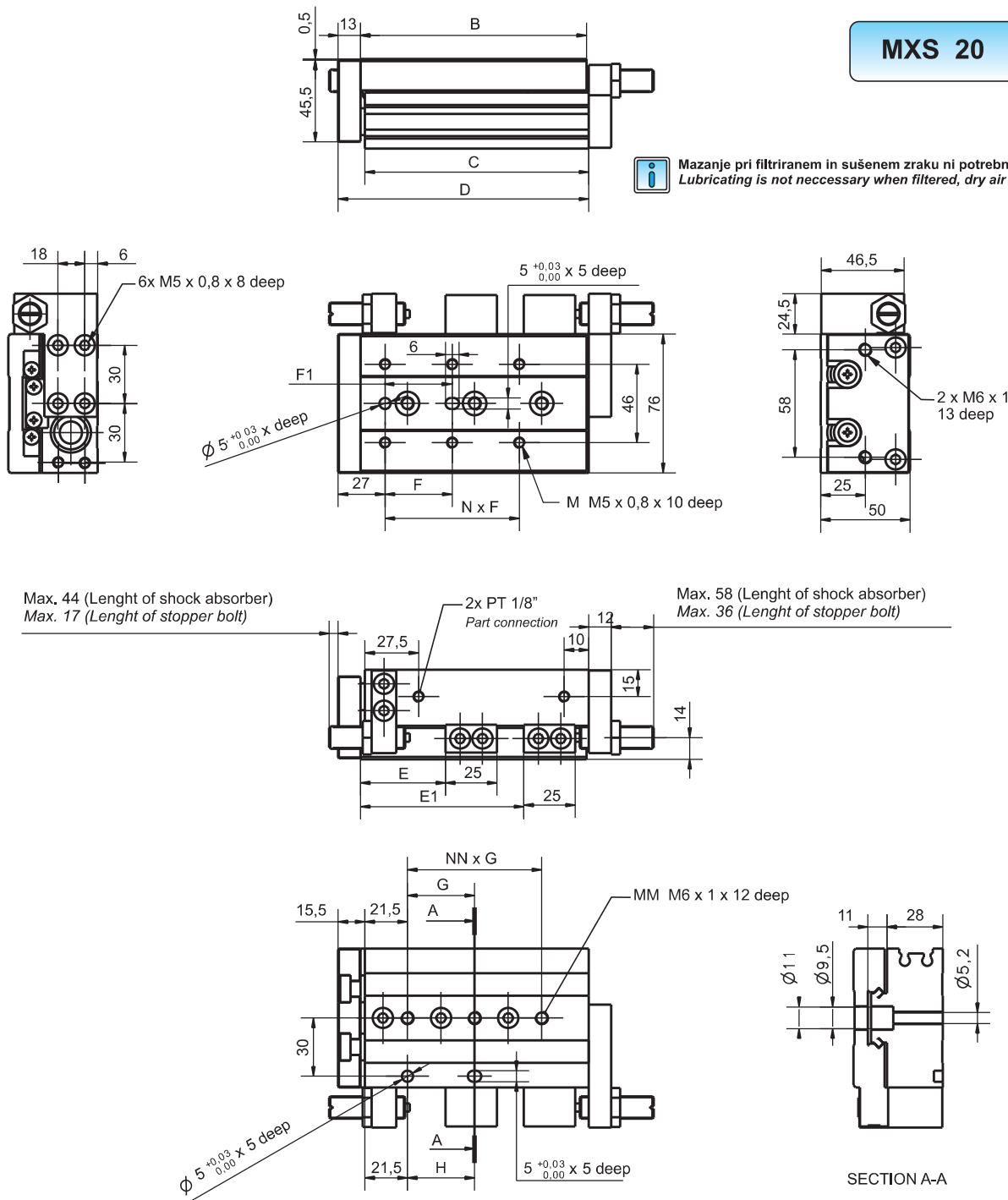
HOD / STROKE	B	C	D	E	E1	E2	F	N	G	NN	H	M	MM	
10	76	75	87	29		2	35	1	40	1	40	4	2	0.6
20	76	75	87	39		2	35	1	40	1	40	4	2	0.6
30	76	75	87	49		2	35	1	40	1	40	4	2	0.6
40	86	85	97	59		2	40	1	50	1	50	4	2	0.7
50	101	100	112	69		2	30	2	30	2	30	6	3	0.8
75	151	150	162	94	125	4	55	2	35	3	70	6	4	1.1
100	199	198	210	119	173	4	65	2	35	4	70	6	5	1.4

DVOBATNI CILINDER Z VODILI MXS / TWINROD SLIDE RAIL CYLINDER MXS

MXS 20



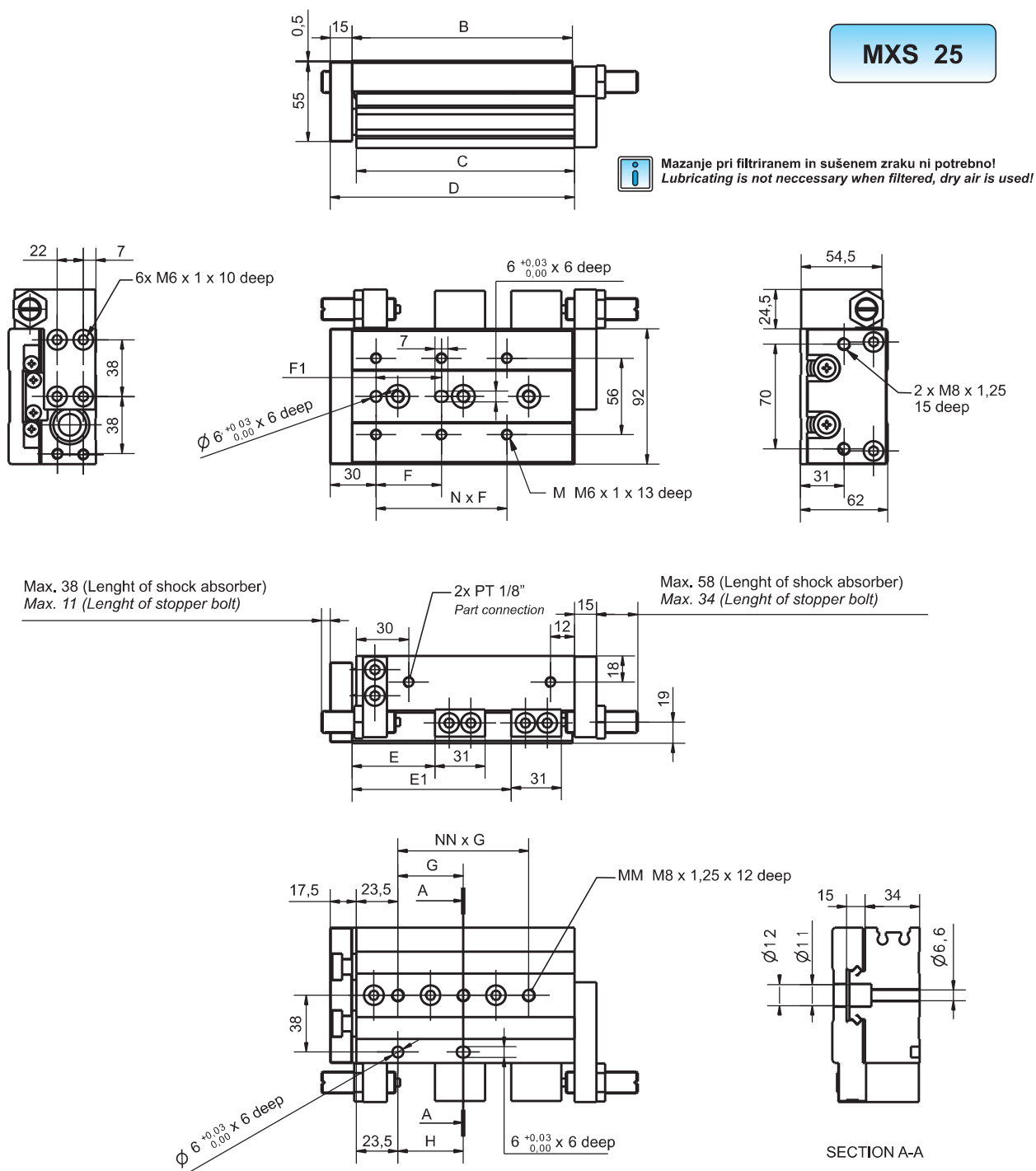
Mazanje pri filtriranem in sušenem zraku ni potrebno!
Lubricating is not necessary when filtered, dry air is used!



HOD / STROKE	B	C	D	E	E1	E2	F	N	F1	G	NN	H	M	MM	
10	83	81,5	97	31		2	50	1	40	45	1	35	4	2	1
20	83	81,5	97	41		2	50	1	40	45	1	35	4	2	1
30	83	81,5	97	51		2	50	1	40	45	1	35	4	2	1
40	93	91,5	107	61		2	60	1	50	55	1	35	4	2	1.1
50	108	106,5	122	71		2	35	2	35	35	2	35	6	3	1.3
75	147	145,5	161	95		2	60	2	60	35	3	70	6	4	1.7
100	200	198,5	214	121	169	4	70	2	70	35	4	70	6	5	2.2

DVOBATNI CILINDER Z VODILI MXS / TWINROD SLIDE RAIL CYLINDER MXS

MXS 25



HOD / STROKE	B	C	D	E	E1	E2	F	N	F1	G	NN	H	M	MM	KG
10	92	90,5	108	35		2	50	1	40	45	1	45	4	2	1.7
20	92	90,5	108	45		2	50	1	40	45	1	45	4	2	1.7
30	92	90,5	108	55		2	50	1	40	45	1	45	4	2	1.7
40	102	100,5	118	65		2	60	1	50	55	1	55	4	2	1.9
50	115	113,5	131	75		2	35	2	35	35	2	35	6	3	2.1
75	156	154,5	172	100		2	60	2	60	35	3	70	6	4	2.7
100	197	195,5	213	125	162	4	70	2	70	35	4	70	6	5	3.4