

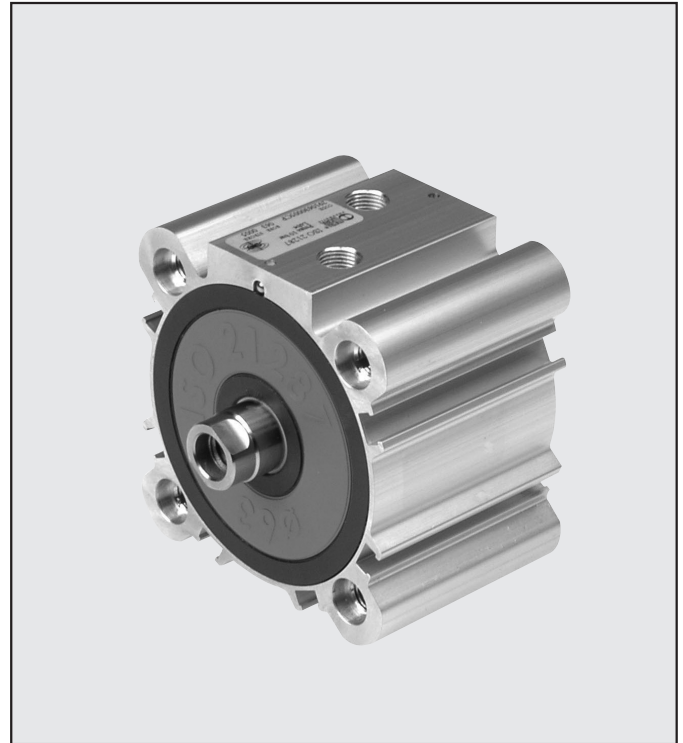
COMPACT CYLINDER ISO 21287, SERIES "LINER", Ø 20÷100

Compact cylinder to ISO 21287, LINER series, available in different versions to meet all possible requirements:

- with or without magnet
- Double acting, single or through piston rod
- Double acting, perforated through piston rod
- Single acting, extended, retracted or through piston rod
- Single acting, perforated through rod
- Double acting anti-rotating version and double acting through piston rod
- Polyurethane or FKM/FPM gaskets (for high temperatures) also available
- Dimensions and centre distances to ISO 21287.

The heads have been eliminated for ease of installation, improved sturdiness and precision. The metal lining is designed to withstand heavy-duty work, tensile stress and impact. Technopolymer parts can withstand dynamic and pneumatic thrust. The lining virtually acts as a "bearing" to which most of user accessories are attached.

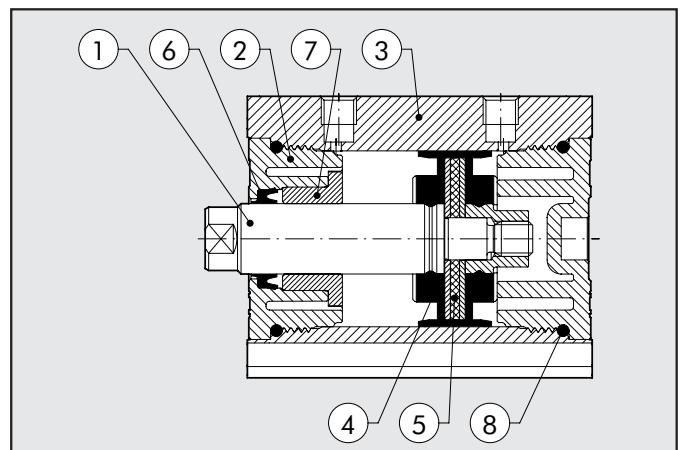
The wide range of anchors provide numerous fixing points. Retractable magnetic limit switches can be mounted to identify the position in the cylinder grooves.



TECHNICAL DATA	POLYURETHANE	FKM/FPM
Operating pressure	max 10 bar (max 1 Mpa - 145 psi)	
Temperature range	-10°C ÷ +60°C (ø20÷63) -10°C ÷ +80°C (ø80÷100)	-10°C ÷ +150°C (non-magnetic cylinders)
Fluid	Unlubricated air. Lubrication, if used, must be continuous.	
Bores	mm ø20; ø25; ø32; ø40; ø50; ø63; ø80; ø100 with ISO 21287 fixing centre distances.	
Design	With profile	
Versions	Double-acting, Double-acting through-rod, Single-acting extended or retracted rod, Single-acting through-rod, Double-acting through-rod perforated, Double-acting non-rotating, Double-acting through-rod non-rotating, No stick slip All versions are available with male or female piston rod.	
Magnet for sensors	All versions come complete with magnet. Supplied without magnet on request.	
Notes	For correct operation, it is advisable to use 50µm filtered air For no-stick slip versions, use no-lubricated air only	
Inrush pressure	from ø20 to ø32: 0.6 bar - from ø40 to ø100: 0.4 bar	
Forces generated at 6 bar thrust/retraction	See page 131	
Weights	See page 131	

COMPONENTS Ø 20÷25

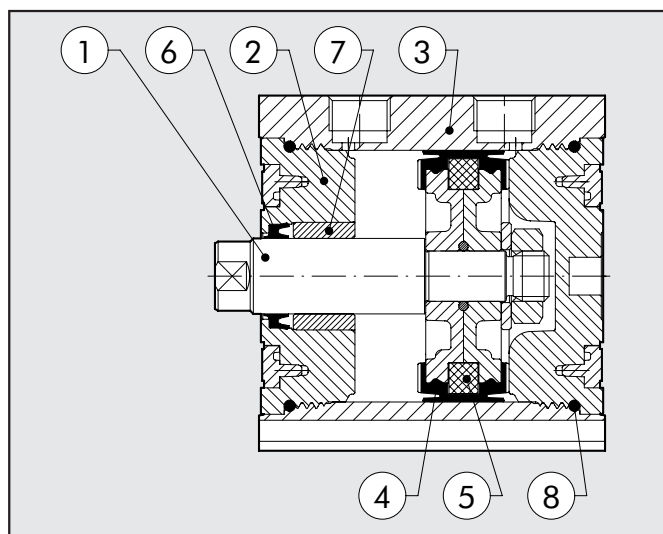
- ① PISTON ROD: stainless steel, thick chromed
- ② END CAP: high-performance technopolymer
- ③ BARREL: drawn anodised and calibrated aluminium alloy
- ④ PISTON GASKET: polyurethane or FKM/FPM (for high temperature)
- ⑤ MAGNET: plastoneodimio
- ⑥ PISTON ROD GASKET: polyurethane or FKM/FPM (for high temperature)
- ⑦ GUIDE BUSHING: sintered bronze
- ⑧ STATIC O-RINGS: NBR or FKM/FPM (for high temperature)





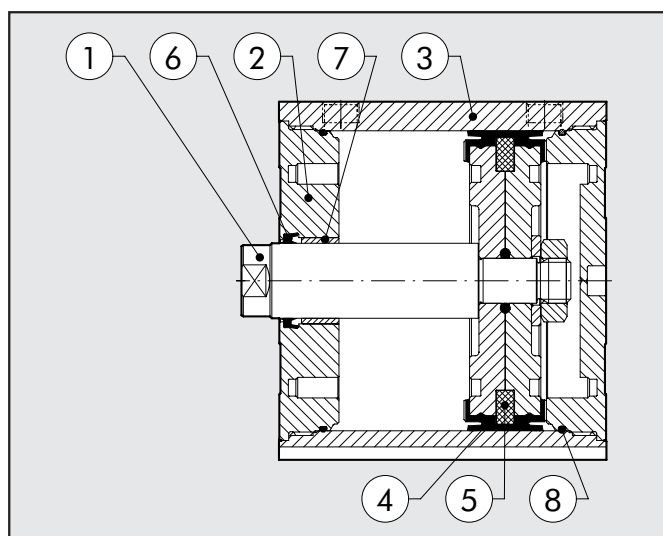
COMPONENTS Ø 32 ÷ 63

- ① PISTON ROD: C45 steel or stainless steel, thick chromed
- ② END CAP: high-performance technopolymer
- ③ BARREL: drawn anodised and calibrated aluminium alloy
- ④ PISTON GASKET: polyurethane or FKM/FPM (for high temperature)
- ⑤ MAGNET: Ø32 plastoneodimio - Ø40 ÷ 63 plastoferrite
- ⑥ PISTON ROD GASKET: polyurethane or FKM/FPM (for high temperature)
- ⑦ GUIDE BUSHING: sintered bronze
- ⑧ STATIC O-RINGS: NBR or FKM/FPM (for high temperature)

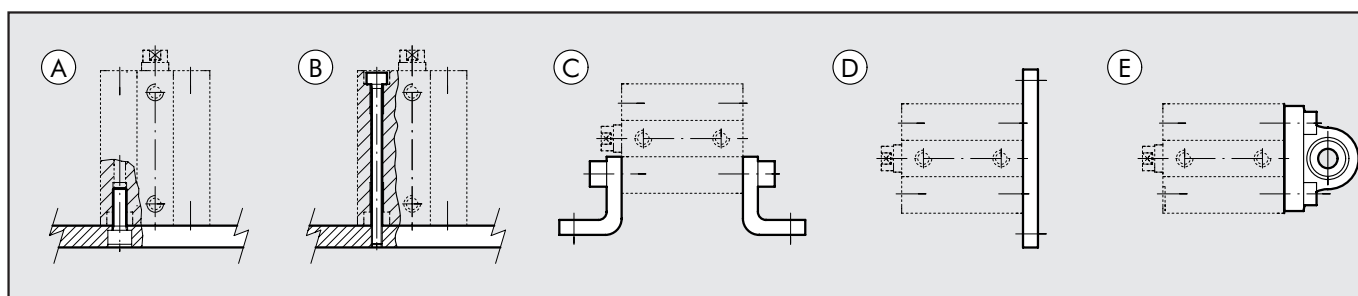


COMPONENTS Ø 80, Ø 100

- ① PISTON ROD: C45 steel or stainless steel, thick chromed
- ② END CAP: anodized aluminium alloy
- ③ BARREL: drawn anodised and calibrated aluminium alloy
- ④ PISTON GASKET: polyurethane or FKM/FPM (for high temperature)
- ⑤ MAGNET: plastoferrite
- ⑥ PISTON ROD GASKET: polyurethane or FKM/FPM (for high temperature)
- ⑦ GUIDE BUSHING: steel strip with bronze and PTFE insert
- ⑧ STATIC O-RINGS: NBR or FKM/FPM (for high temperature)



COMPACT CYLINDER ISO 21287 FIXING OPTIONS



- Fixing to structural work with a through screw, using the thread in the heads (Fig. A)
- Direct fixing from above using long through screws or tie rods (Fig. B). Non-magnetic stainless steel must be used (e.g. AISI 304)
- Fixing with feet; the ordering code covers the supply of one foot and two screws for fixing to the cylinder (Fig. C).
- Fixing with a flange mounted on the front or rear head; the ordering code covers the supply of a flange and four screws for fixing to the cylinder (Fig. D).
- Fixing with articulated hinge to compensate for slight system misalignment and turn freely (Fig. E). The ordering code covers the supply of a hinge and four screws for fixing to the cylinder.

FORCE OF SPRINGS IN SINGLE-ACTING CYLINDERS (THEORETICAL)

Bore	Ø 20	Ø 25	Ø 32	Ø 40	Ø 50	Ø 63	Ø 80	Ø 100
Min. load (N)	8.40	13.90	19.00	24.80	36.30	50.20	77.60	131.80
Max. load (N)	20.90	33.20	35.90	53.70	62.20	82.30	118.90	183.30

STROKES FOR COMPACT CYLINDERS ISO 21287

Standard stroke for single-acting cylinders	Standard stroke for other types	Max. recommended strokes for other types	Max. recommended strokes for non-rotating cylinders
Ø 20; Ø 100 → 25 mm	Ø 20; Ø 25 → da 5 a 60 mm	Ø 20; Ø 25 → 300 mm	Ø 20÷Ø 63 → 120 mm
	Ø 32÷Ø 100 → da 5 a 80 mm	Ø 32÷Ø 63 → 400 mm	Ø 80; Ø 100 → 150 mm
		Ø 80; Ø 100 → 500 mm	

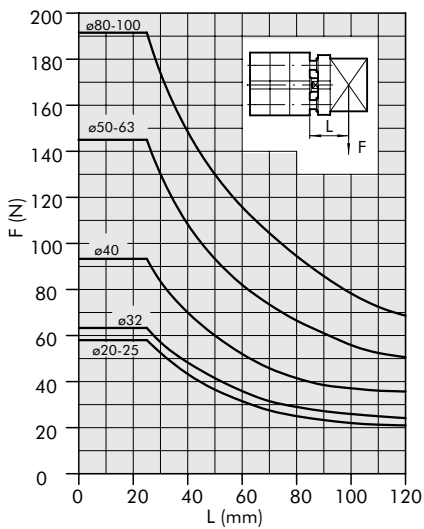
Max recommended strokes for through-rod perforated

- Ø 20÷Ø 40 → 5 a 80 mm
- Ø 50; Ø 63 → 5 a 100 mm
- Ø 80; Ø 100 → 5 a 160 mm

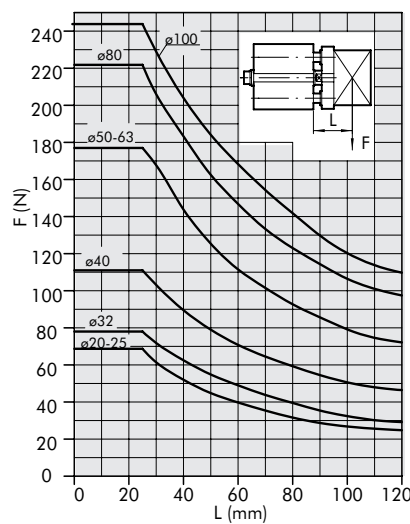
Maximum recommended strokes. Higher values can create operating problems

MAXIMUM LOADS FOR NON-ROTATING VERSION

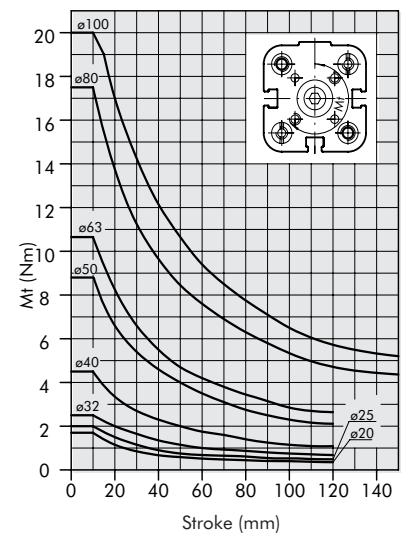
TRANSVERSAL FORCE FOR NON-ROTATING



TRANSVERSAL FORCE FOR NON-ROTATING THROUGH-ROD



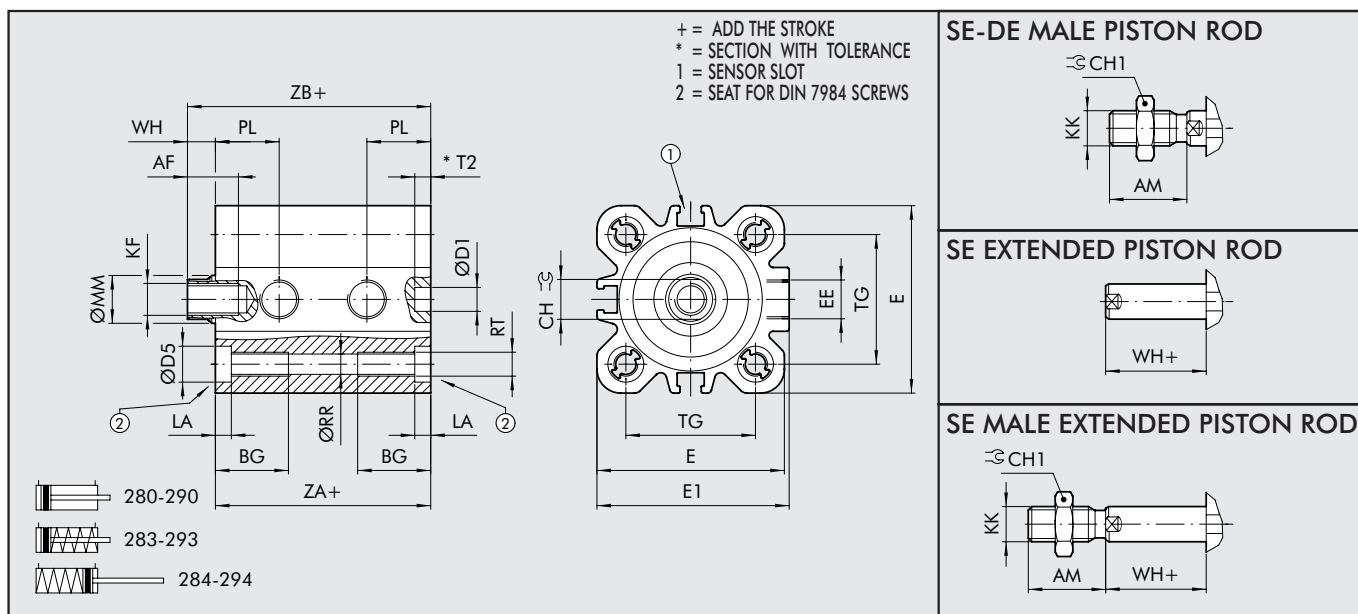
TORQUE DEPENDING ON STROKE



NOTES

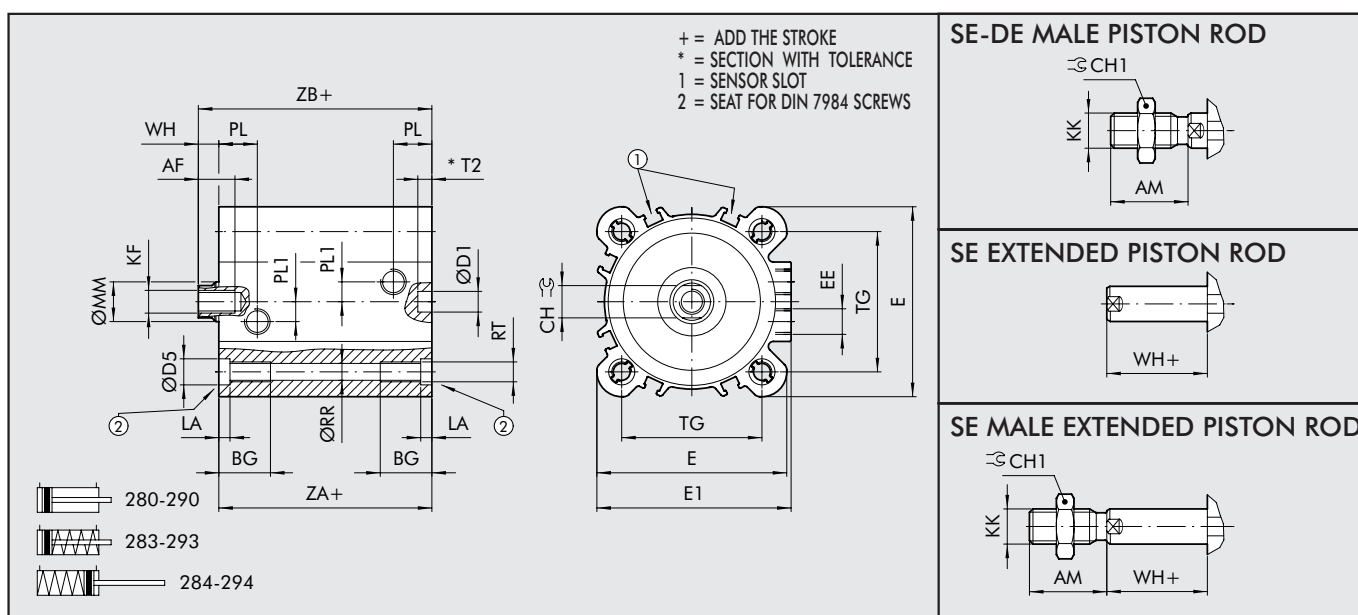


DIMENSIONS OF DOUBLE-ACTING Ø 20÷50 AND SINGLE-ACTING Ø 20÷50



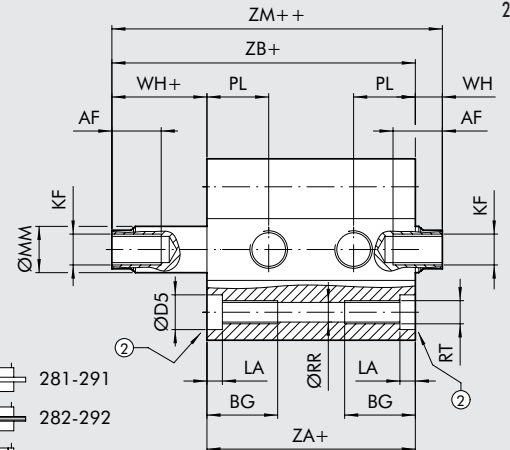
	AF	AM	BG	CH	CH1	ØD1 ^{H9}	D5	E	E1	EE	KF	KK	LA	ØMM	PL	ØRR	RT	T2	TG ^{±0.2}	WH	ZA ^{+0.3}	ZB
Ø 20	14	16	17.5	8	13	6	7.5	35.5	36.5	M5	M6	M8	4.2	10	12	4.2	M5	3	22	6	37	43
Ø 25	14	16	17.5	8	13	6	7.5	39.5	40	M5	M6	M8	4.2	10	13	4.2	M5	3.5	26	6	39	45
Ø 32	16.5	19	21.5	10	17	6	9	47	48.2	G1/8	M8	M10x1.25	4	12	16	5.1	M6	4	32.5	7	44	51
Ø 40	16.5	19	21.5	10	17	6	9	55.5	56.5	G1/8	M8	M10x1.25	4	12	16	5.1	M6	4	38	7	45	52
Ø 50	17	22	21	13	19	6	10.5	66.5	67.8	G1/8	M10	M12x1.25	4.5	16	15.5	6.8	M8	3	46.5	8	45	53

DIMENSIONS OF DOUBLE-ACTING Ø 63÷100 AND SINGLE-ACTING Ø 63÷100



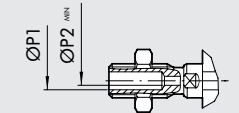
	AF	AM	BG	CH	CH1	ØD1 ^{H9}	ØD5	E	E1	EE	KF	KK	LA	ØMM	PL1	PL	ØRR	RT	T2	TG ^{±0.2}	WH	ZA ^{+0.4}	ZB
Ø 63	17	22	21	13	19	8	10.5	76.5	78.3	G1/8	M10	M12x1.25	4.5	16	8	15.5	6.8	M8	3.5	56.5	8	49	57
Ø 80	22	28	22.5	17	24	8	14	95.5	95.5	G1/8	M12	M16x1.5	5	20	14	16.5	8.5	M10	4	72	10	54	64
Ø 100	24	28	25.5	22	30	8	14	114	114	G1/8	M12	M16x1.5	5	25	19	19.2	8.5	M10	4	89	10	67	77

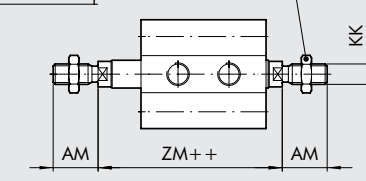
DIMENSIONS OF THROUGH-ROD Ø 20÷50



+ = ADD THE STROKE
 ++ = ADD TWICE THE STROKE
 1 = SENSOR SLOT
 2 = SEAT FOR DIN 7984 SCREWS

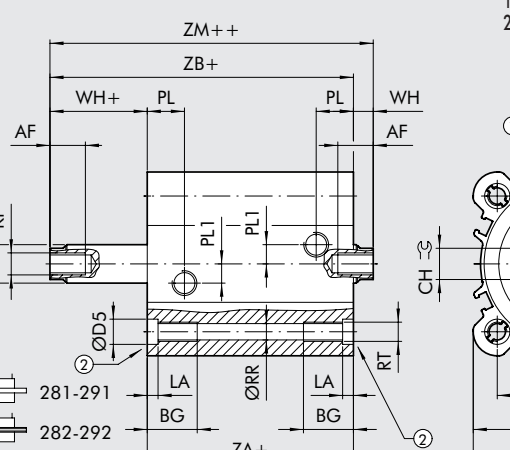
SE-DE MALE PERFORATED THROUGH-ROD





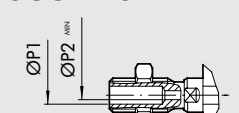
	AF	AM	BG	CH	CH1	ØD5	E	E1	EE	KF	KK	LA	ØMM	ØP1	ØP2	PL	ØRR	RT	TG±0.2	WH	ZA ^{+0.3}	ZB	ZM
Ø 20	14	16	17.5	8	13	7.5	35.5	36.5	M5	M6	M8	4.2	10	3	1.5	12	4.2	M5	22	6	37	43	49
Ø 25	14	16	17.5	8	13	7.5	39.5	40	M5	M6	M8	4.2	10	3	1.5	13	4.2	M5	26	6	39	45	51
Ø 32	16.5	19	21.5	10	17	9	47	48.2	G1/8	M8	M10x1.25	4	12	4	2.5	16	5.1	M6	32.5	7	44	51	58
Ø 40	16.5	19	21.5	10	17	9	55.5	56.5	G1/8	M8	M10x1.25	4	12	4	2.5	16	5.1	M6	38	7	45	52	59
Ø 50	17	22	21	13	19	10.5	66.5	67.8	G1/8	M10	M12x1.25	4.5	16	6	4	15.5	6.8	M8	46.5	8	45	53	61

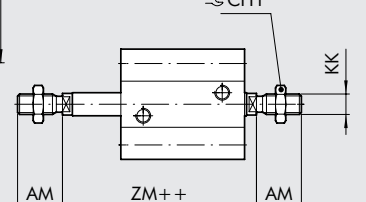
DIMENSIONS OF THROUGH-ROD Ø 63÷100



+ = ADD THE STROKE
 ++ = ADD TWICE THE STROKE
 1 = SENSOR SLOT
 2 = SEAT FOR DIN 7984 SCREWS

SE-DE MALE PERFORATED THROUGH-ROD

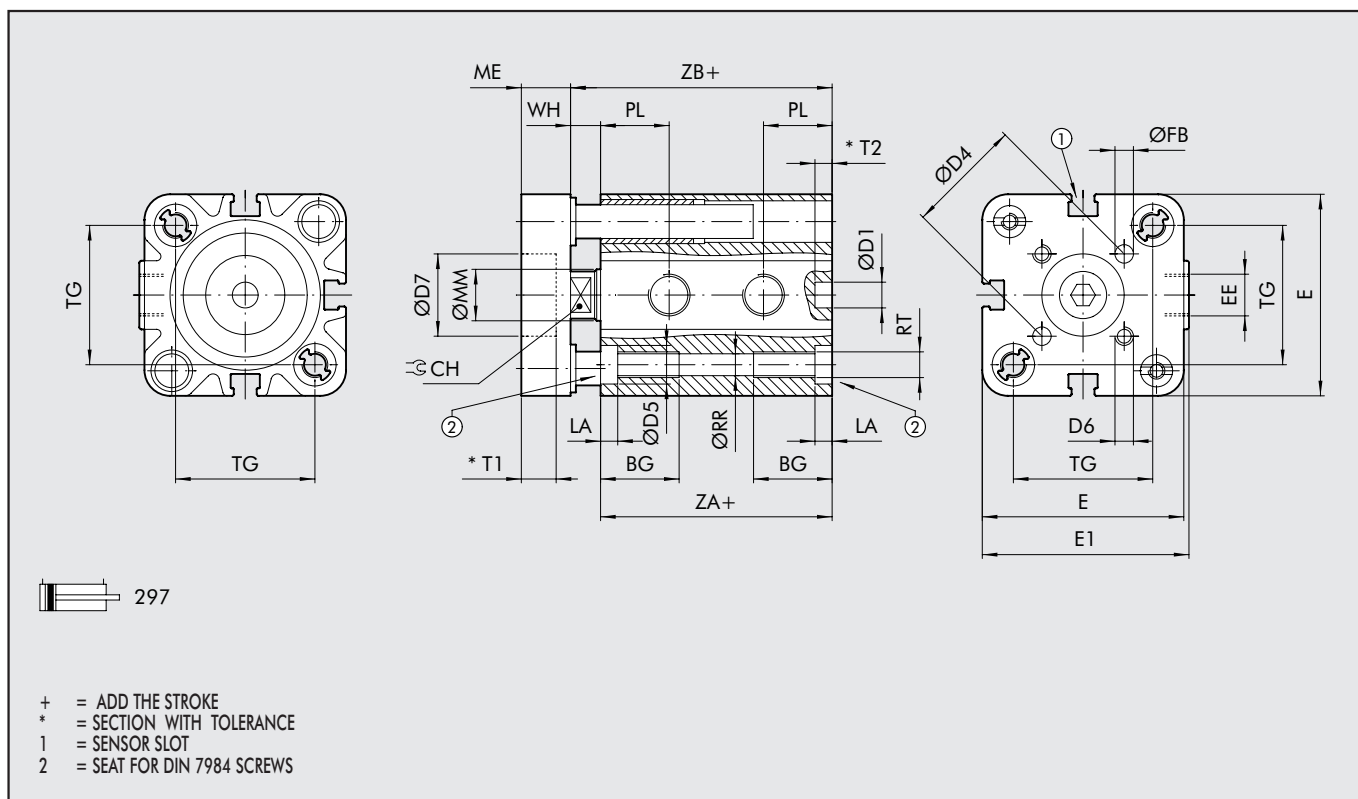




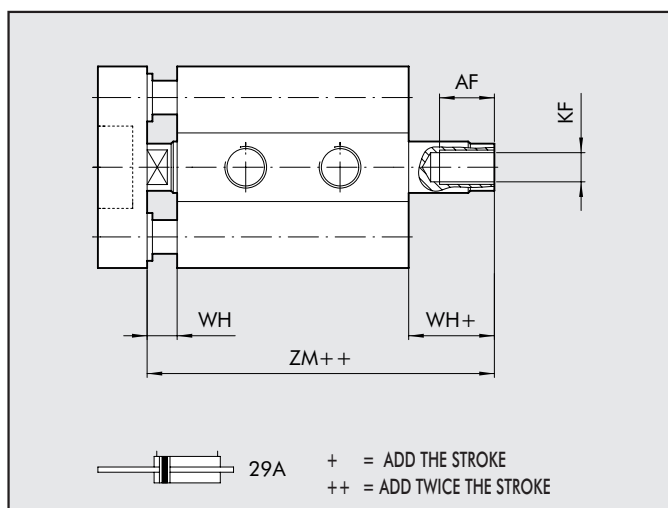
	AF	AM	BG	CH	CH1	ØD5	E	E1	EE	KF	KK	LA	ØMM	ØP1	ØP2	PL1	PL	ØRR	RT	TG±0.2	WH	ZA ^{+0.4}	ZB	ZM
Ø 63	17	22	21	13	19	10.5	76.5	78.3	G1/8	M10	M12x1.25	4.5	16	6	4	8	15.5	6.8	M8	56.5	8	49	57	65
Ø 80	22	28	22.5	17	24	14	95.5	95.5	G1/8	M12	M16x1.5	5	20	G1/8	5	14	16.5	8.5	M10	72	10	54	64	74
Ø 100	24	28	25.5	22	30	14	114	114	G1/8	M12	M16x1.5	5	25	G1/8	6	19	19.2	8.5	M10	89	10	67	77	87



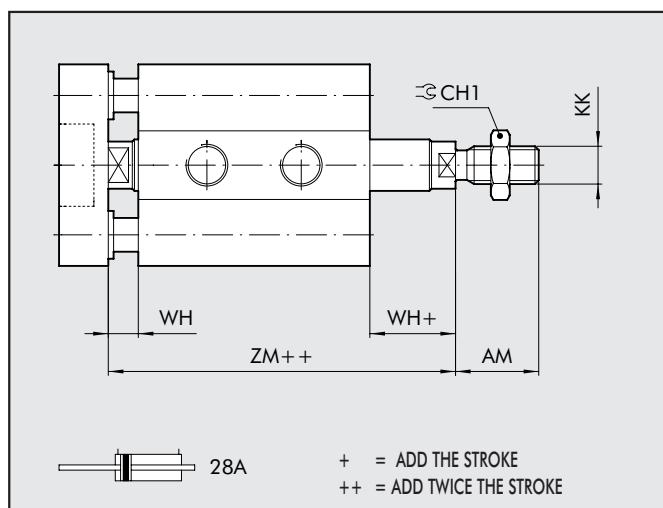
DIMENSIONS OF NON-ROTATING $\varnothing 20 \div 50$



NON-ROTATING FEMALE THROUGH-ROD



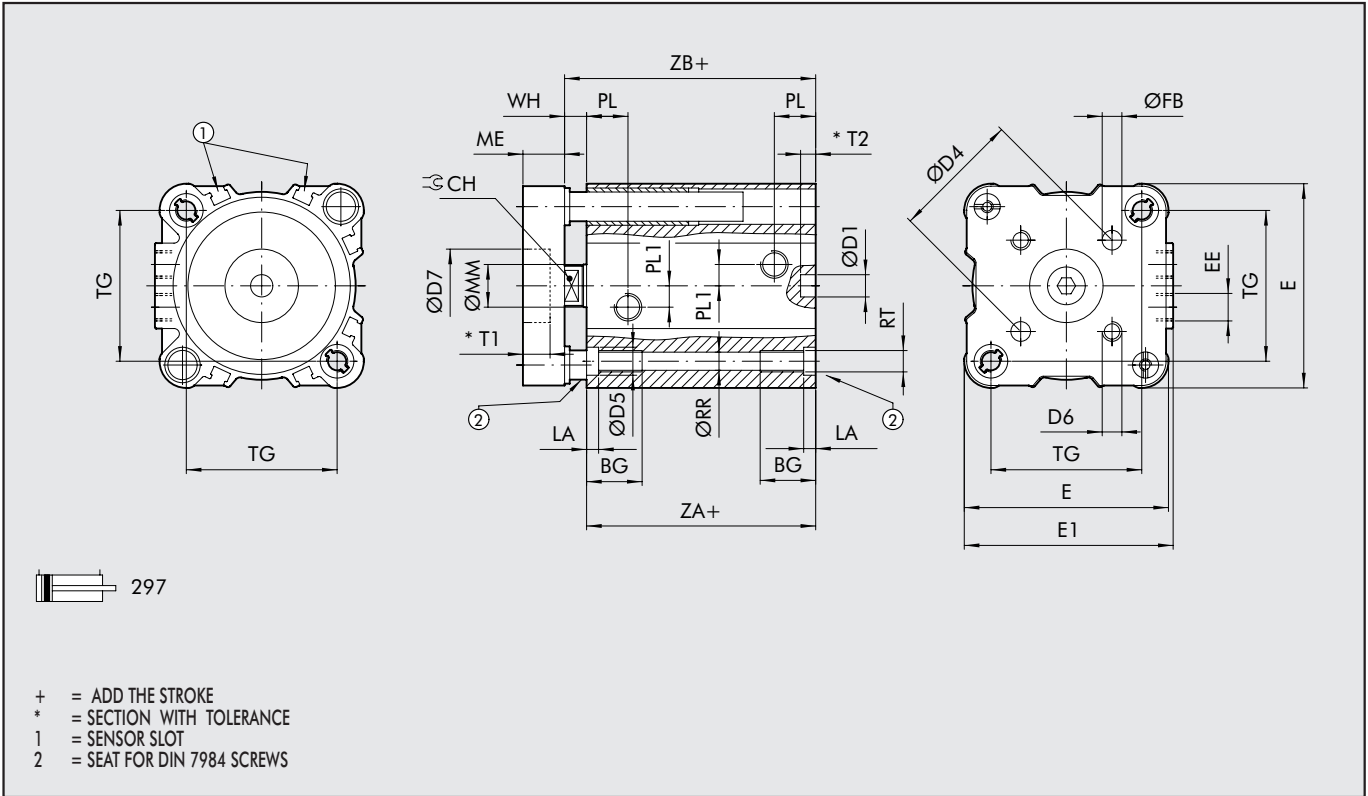
NON-ROTATING MALE THROUGH-ROD



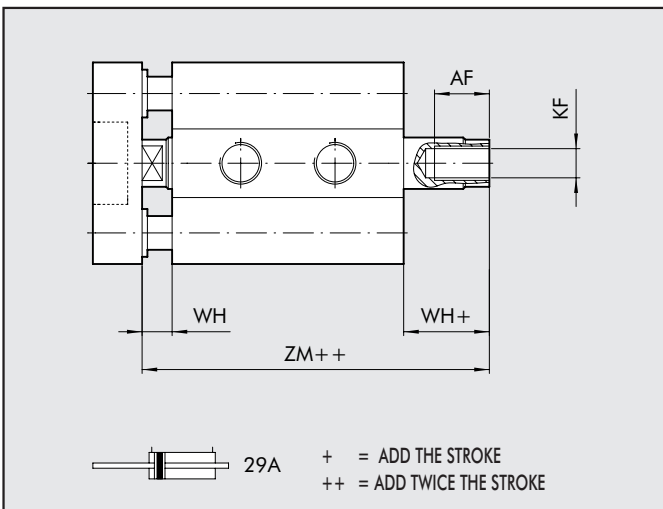
	AF	AM	BG	CH	CH1	$\varnothing D1^{H9}$	$\varnothing D4$	$\varnothing D5$	D6	$\varnothing D7^{H9}$	E	E1	EE	$\varnothing FB$	KF	KK	LA	ME	$\varnothing MM$	PL
$\varnothing 20$	14	16	17.5	8	13	6	17	7.5	M4	-	35.5	36.5	M5	4	M6	M8	4.2	8	10	12
$\varnothing 25$	14	16	17.5	8	13	6	22	7.5	M5	14	39.5	40	M5	5	M6	M8	4.2	8	10	13
$\varnothing 32$	16.5	19	21.5	10	17	6	28	9	M5	17	47	48.2	G1/8	5	M8	M10x1.25	4	10	12	16
$\varnothing 40$	16.5	19	21.5	10	17	6	33	9	M5	17	55.5	56.5	G1/8	5	M8	M10x1.25	4	10	12	16
$\varnothing 50$	17	22	21	13	19	6	42	10.5	M6	22	66.5	67.8	G1/8	6	M10	M12x1.25	4.5	12	16	15.5

	$\varnothing RR$	RT	T1	T2	$TG_{\pm 0.2}$	WH	$ZA_{-0}^{+0.3}$	ZB	ZM
$\varnothing 20$	4.2	M5	-	3	22	6	37	43	49
$\varnothing 25$	4.2	M5	3.5	3.5	26	6	39	45	51
$\varnothing 32$	5.1	M6	3.5	4	32.5	7	44	51	58
$\varnothing 40$	5.1	M6	3.5	4	38	7	45	52	59
$\varnothing 50$	6.8	M8	5	3	46.5	8	45	53	61

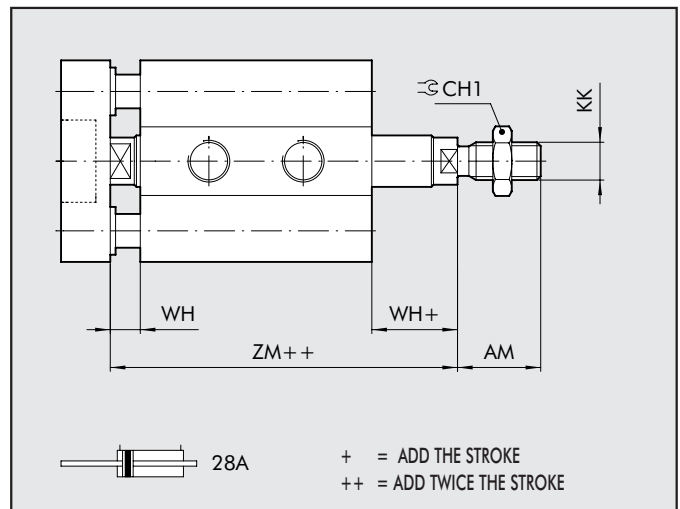
DIMENSIONS OF NON-ROTATING Ø 63÷100



NON-ROTATING FEMALE THROUGH-ROD



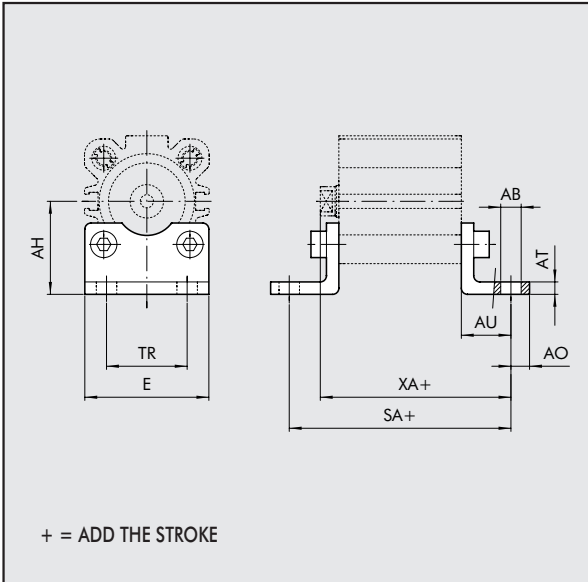
NON-ROTATING MALE THROUGH-ROD



	AF	AM	BG	CH	CH1	ØD1 ^{H9}	ØD4	ØD5	D6	ØD7 ^{H9}	E	E1	EE	ØFB	KF	KK	LA	ME	ØMM	PL1
Ø 63	17	22	21	13	19	8	50	10.5	M6	22	76.5	78.3	G1/8	6	M10	M12x1.25	4.5	12	16	8
Ø 80	22	28	22.5	17	24	8	65	14	M8	24	95.5	95.5	G1/8	8	M12	M16x1.5	5	14	20	14
Ø 100	24	28	25.5	22	30	8	80	14	M10	24	114	114	G1/8	10	M12	M16x1.5	5	14	25	19

	PL	ØRR	RT	T1	T2	TG ^{±0.2}	WH	ZA ^{+0.4}	ZB	ZM
Ø 63	15.5	6.8	M8	5	3.5	56.5	8	49	57	65
Ø 80	16.5	8.5	M10	7.5	4	72	10	54	64	74
Ø 100	19.2	8.5	M10	7.5	4	89	10	67	77	87

FOOT - MODEL A

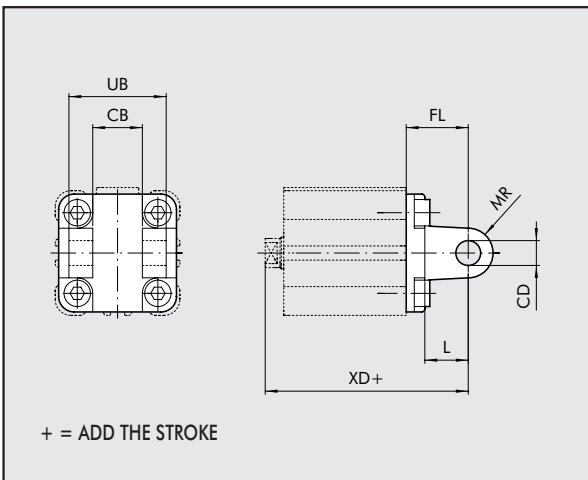


Codes	Ø	ØAB	AH	AO	AT	AU	E	SA	TR	XA	Weight [g]
W0950206001	20	6.6	27	6	4	16	36	69	22	59	46
W0950256001	25	6.6	30*	6	4	16	40	71	26	61	52
W0950322001	32	7	32*	11*	4	24*	45	92*	32	75*	76
W0950402001	40	9	36*	15*	4	28*	52	101*	36	80*	100
W0950502001	50	9	45	15*	5	32*	65	109*	45	85*	162
W0950632001	63	9	50	15*	5	32*	75	113*	50	89*	266
W0950802001	80	12	63	20*	6	41*	95	136*	63	105*	456
W0951002001	100	14	71*	25*	6	41*	115	149*	75	118*	572

Note: Individually packed with 2 screws.

* IMPORTANT: Values not to ISO 21287. Cylinder pins to ISO 15552 are used.

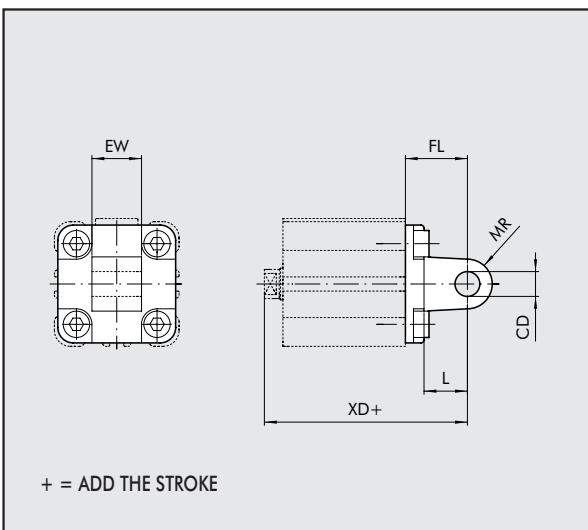
FEMALE HINGE-MODEL B



Codes	Ø	CB ^{H14}	ØCD ^{H9}	FL	L	MR	UB ^{H14}	XD	Weight [g]
W0950322003	32	26	10	22	12	10	45	73	112
W0950402003	40	28	12	25	15	12	52	77	159
W0950502003	50	32	12	27	15	12	60	80	250
W0950632003	63	40	16	32	20	16	70	89	390
W0950802003	80	50	16	36	20	16	90	100	668
W0951002003	100	60	20	41	25	20	110	118	1047

Note: Supplied with 4 screws, 4 washers, 2 snap-rings and 1 pin.

MALE HINGE-MODEL BA

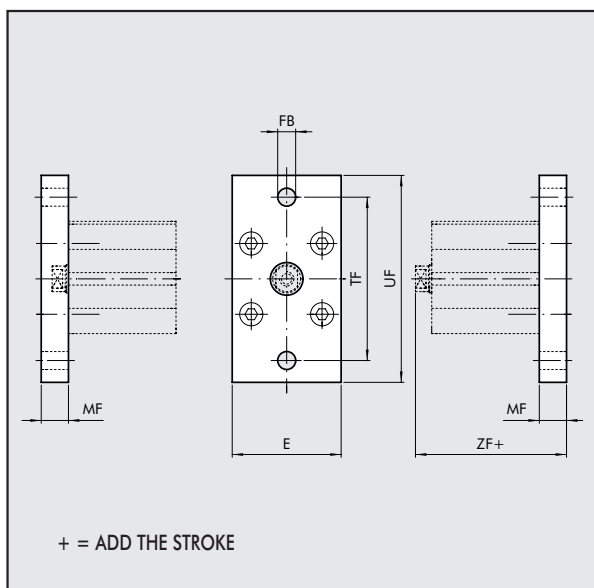


Codes	Ø	ØCD ^{H9}	EW	FL	L	MR	XD	Weight [g]
W0950206004	20	8	16	20	14	8	63	44
W0950256004	25	8	16	20	14	8	65	48
W0950322004	32	10	26	22	12	11	73	94
W0950402004	40	12	28	25	15	13	77	124
W0950502004	50	12	32	27	15	13	80	220
W0950632004	63	16	40	32	20	17	89	316
W0950802004	80	16	50	36	20	17	100	578
W0951002004	100	20	60	41	25	21	118	850

Note: Supplied with 4 screws, 4 washers



FLANGE Ø 20÷25 - MODEL C (FRONT AND REAR)

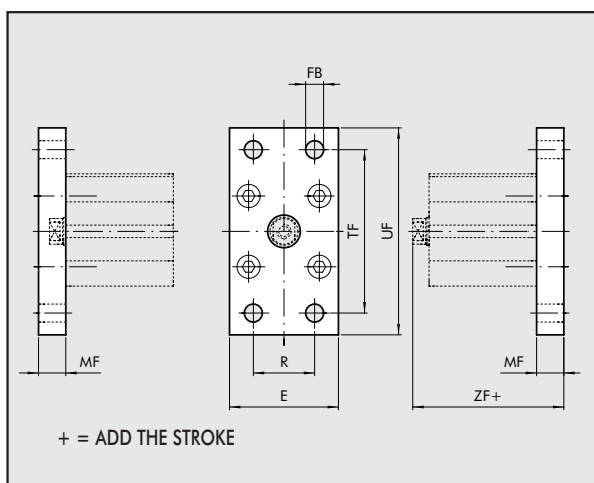


Codes	Ø	E	ØFB	MF	TF	UF	ZF	Weight [g]
W0950206002	20	36	6.6	10▲	55	70	53▲	184
W0950256002	25	40	6.6	10▲	60	76	55▲	226

Note: Supplied with 4 screws.

▲ Non ISO 21287 norm fixing distance

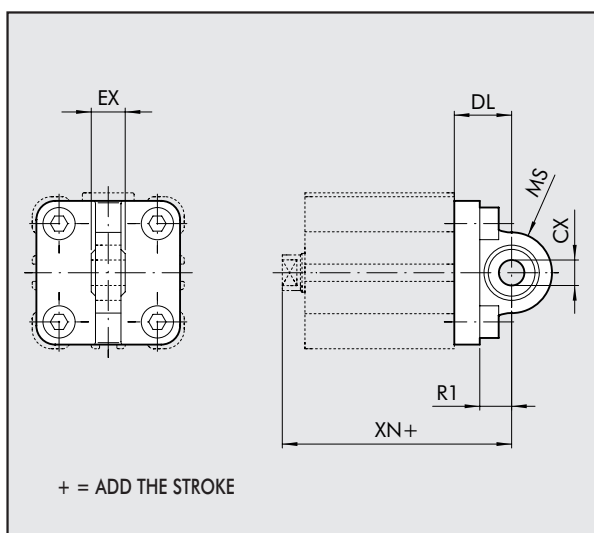
FLANGE Ø 32÷100 - MODEL C (FRONT AND REAR)



Codes	Ø	E	ØFB	MF	R	TF	UF	ZF	Weight [g]
W0950322002	32	50	7	10	32	64	80	61	246
W0950402002	40	55	9	10	36	72	90	62	290
W0950502002	50	65	9	12	45	90	110	65	522
W0950632002	63	75	9	12	50	100	120	69	670
W0950802002	80	95	12	16	63	126	153	80	1420
W0951002002	100	115	14	16	75	150	178	93	2040

Note: Supplied with 4 screws.

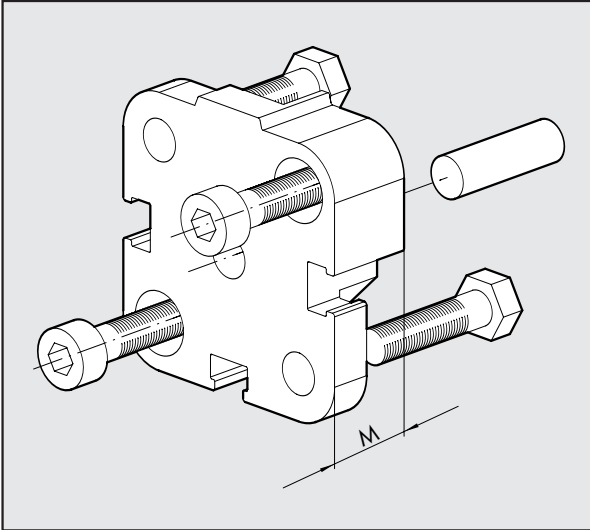
ARTICULATED MALE HINGE - MODEL BAS



Codes	Ø	ØCX	DL	EX	MS	R1	XN	Weight [g]
W0950322006	32	10	22	14	16	12	73	106
W0950402006	40	12	25	16	18	15	77	142
W0950502006	50	12	27	16	21	19	80	236
W0950632006	63	16	32	21	23	20	89	336
W0950802006	80	16	36	21	28	24	100	572
W0951002006	100	20	41	25	30	25	118	840

Note: Supplied with 4 screws, 4 washers.

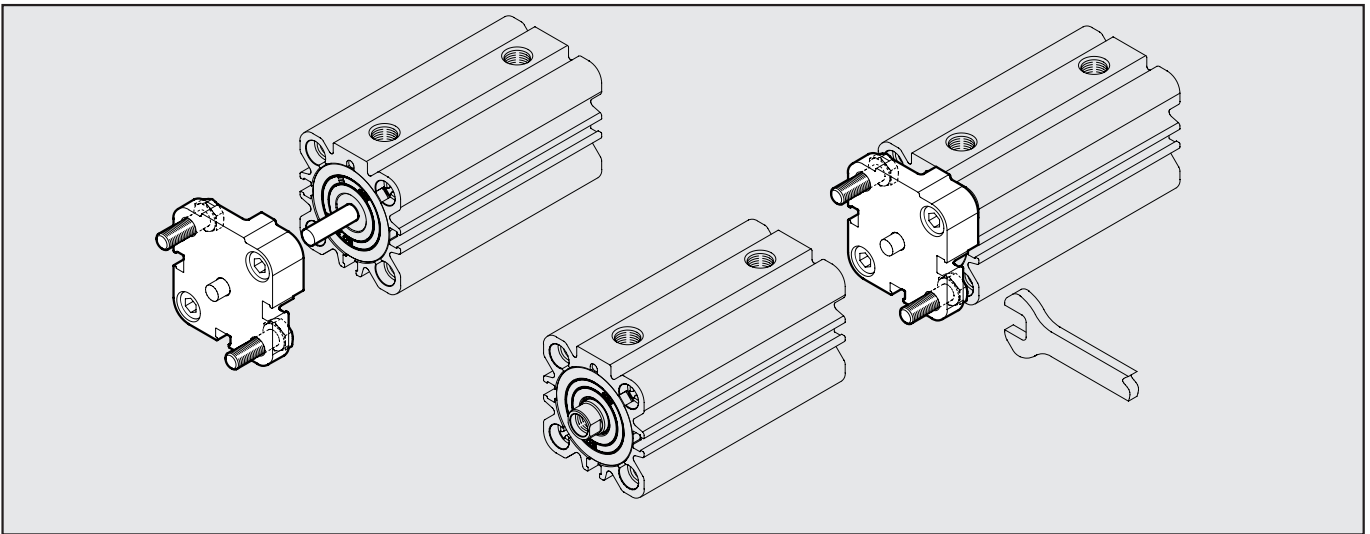
FLANGE FOR OPPOSITE CYLINDERS



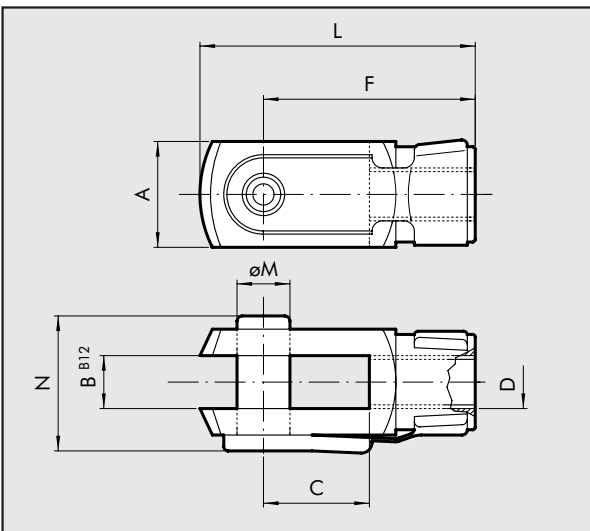
Codes	Ø	M	Weight [g]
0950203060	20	12.5	45
0950253060	25	13	57
0950323060	32	14.5	88
0950403061	40	14.5	106
0950503061	50	14.5	158
0950633061	63	14.5	258
0950803061	80	16.5	452
0951003061	100	19.5	801

Note: Supplied complete with 1 pin, 4 screws.

ASSEMBLING OPPOSING CYLINDERS



FORK - MODEL GK-M

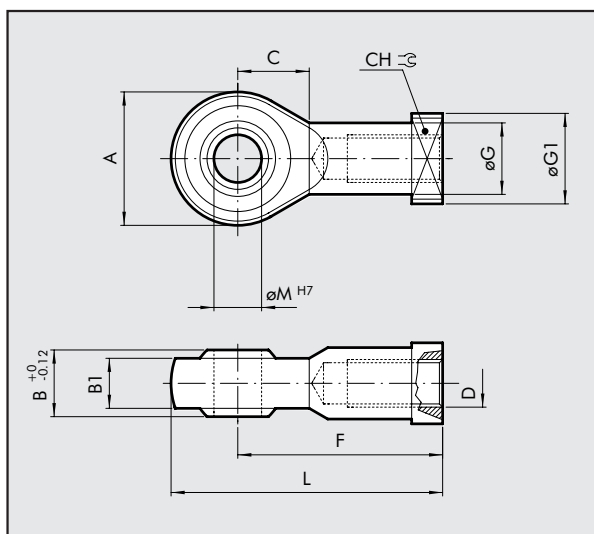


Codes	Ø	A	B	C	D	F	L	ØM	N	Weight [g]
W0950200020	20	16	8	16	M8	32	42	8	22	48
W0950200020	25	16	8	16	M8	32	42	8	22	48
W0950322020	32	20	10	20	M10x1.25	40	52	10	26	92
W0950322020	40	20	10	20	M10x1.25	40	52	10	26	92
W0950402020	50	24	12	24	M12x1.25	48	62	12	32	148
W0950402020	63	24	12	24	M12x1.25	48	62	12	32	148
W0950502020	80	32	16	32	M16x1.5	64	83	16	40	340
W0950502020	100	32	16	324	M16x1.5	64	83	16	40	340

Note: Individually packed.



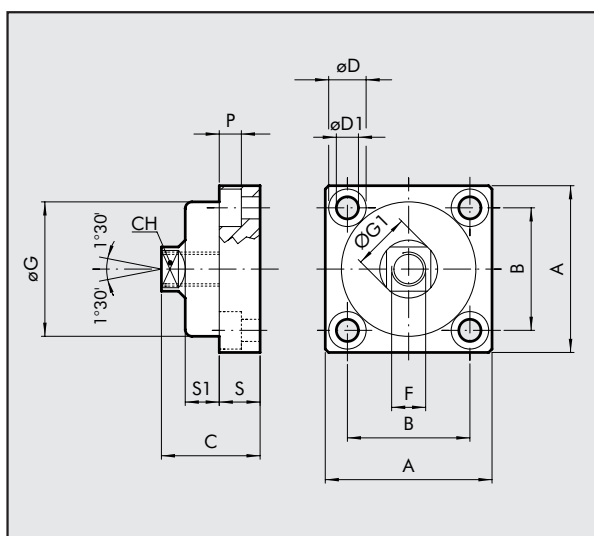
ROD EYE - MODEL GA-M



Codes	\varnothing	A	B	B1	C	CH	D	F	$\varnothing G$	$\varnothing G1$	L	$\varnothing M$	Weight [g]
W0950200025	20	24	12	9	13	14	M8	36	12.5	16	48	8	50
W0950200025	25	24	12	9	13	14	M8	36	12.5	16	48	8	50
W0950322025	32	28	14	10.5	15	17	M10x1.25	43	15	19	57	10	78
W0950322025	40	28	14	10.5	15	17	M10x1.25	43	15	19	57	10	78
W0950402025	50	32	16	12	17	19	M12x1.25	50	17.5	22	66	12	116
W0950402025	63	32	16	12	17	19	M12x1.25	50	17.5	22	66	12	116
W0950502025	80	42	21	15	23	22	M16x1.5	64	22	27	85	16	226
W0950502025	100	42	21	15	23	22	M16x1.5	64	22	27	85	16	226

Note: Individually packed.

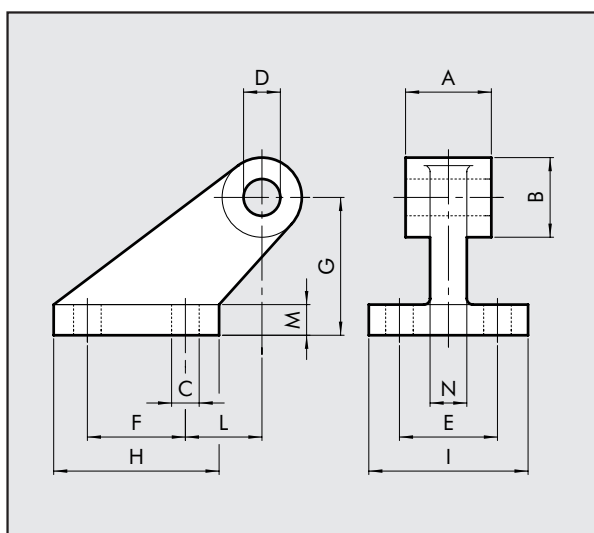
COMPENSATION JOINT - MODEL GA



Codes	\varnothing	A	B	C	CH	$\varnothing D$	$\varnothing D1$	F	$\varnothing G$	$\varnothing G1$	P	S	S1	Weight [g]
W0950326021	32	49	36	30	13	11	6.5	M10x1.25	39.5	17	6.5	12	10	172
W0950326021	40	49	36	30	13	11	6.5	M10x1.25	39.5	17	6.5	12	10	172
W0950406021	50	59	42	36	15	14	8.5	M12x1.25	44	19	8.5	15	13.5	286
W0950406021	63	59	42	36	15	14	8.5	M12x1.25	44	19	8.5	15	13.5	286
W0950506021	80	79	58	44	22	17	10.5	M16x1.5	59	26	10.5	20	15	628
W0950506021	100	79	58	44	22	17	10.5	M16x1.5	59	26	10.5	20	15	628

Note: Individually packed.

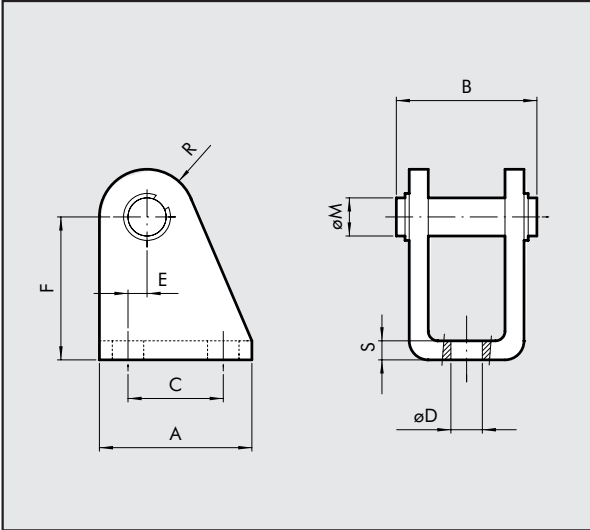
COUNTER-HINGE CETOP $\varnothing 32 \div 100$



Codes	\varnothing	A	B	C	D	E	F	G	H	I	L	M	N	Weight [g]
W0950322008	32	26	19	7	10	25	20	32	37	41	18	8	10	96
W0950402008	40	28	26	9	12	32	32	45	54	52	25	10	12	216
W0950502008	50	32	26	9	12	32	32	45	54	52	25	10	12	212
W0950632008	63	40	33	11	16	40	50	63	75	63	32	12	15	440
W0950802008	80	50	33	11	16	40	50	63	75	63	32	12	15	464
W0951002008	100	60	44	14	20	50	70	90	103	80	40	16	22	985

Note: Supplied complete with 4 screws, 4 washers.

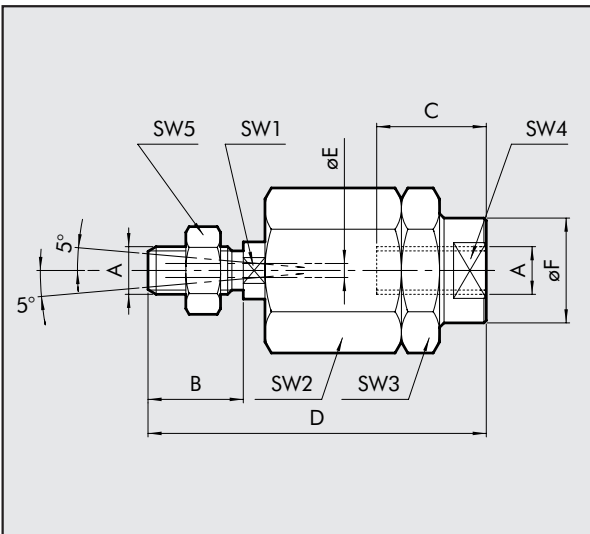
COUNTER-HINGE Ø 16÷25 - MODEL BC



Codes	Ø	A	B	C	ØD	E	F	ØM	R	S	Weight [g]
W0950200005	20	32	30	20	6.5	4	30	8	10	4	78
W0950200005	25	32	30	20	6.5	4	30	8	10	4	78

Note: Supplied complete with 1 pin and and 2 snap rings

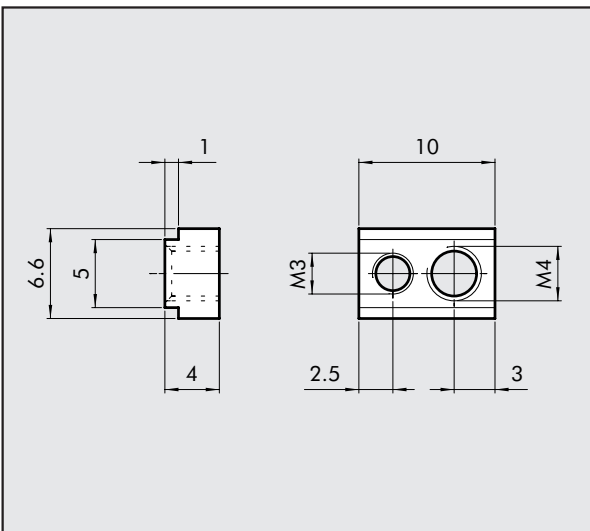
SELF ALIGNING ROD COUPLER - MODEL GA-K



Codes	Ø	A	B	C	D	ØE	ØF	SW1	SW2	SW3	SW4	SW5	Weight [g]
W0950200030	20	M8	20	20	57	4	12.5	7	17	17	11	13	56
W0950200030	25	M8	20	20	57	4	12.5	7	17	17	11	13	56
W0950322030	32	M10x1.25	20	20	71	4	22	12	30	30	19	17	216
W0950322030	40	M10x1.25	20	20	71	4	22	12	30	30	19	17	216
W0950402030	50	M12x1.25	24	20	75	4	22	12	30	30	19	19	220
W0950402030	63	M12x1.25	24	20	75	4	22	12	30	30	19	19	220
W0950502030	80	M16x1.5	32	32	103	4	32	20	41	41	30	24	620
W0950502030	100	M16x1.5	32	32	103	4	32	20	41	41	30	24	620

Note: Individually packed.

SLOTTED FIXINGPLATE

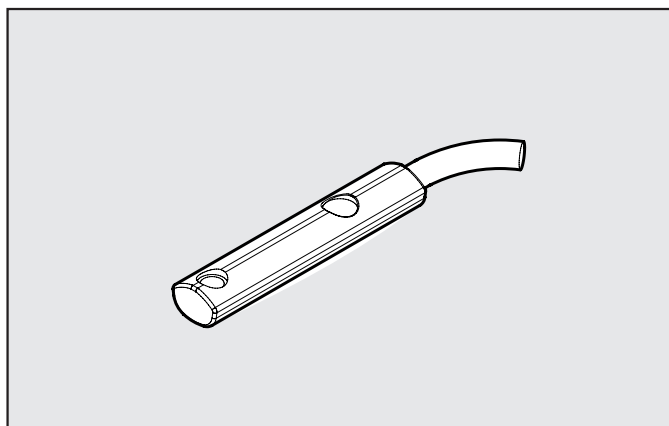


Code	Description	Weight [g]
0950003000	FIXING BLOCK	2

Note: Supplied complete with 1 M3 grub screw and 1 M4 grub screw.



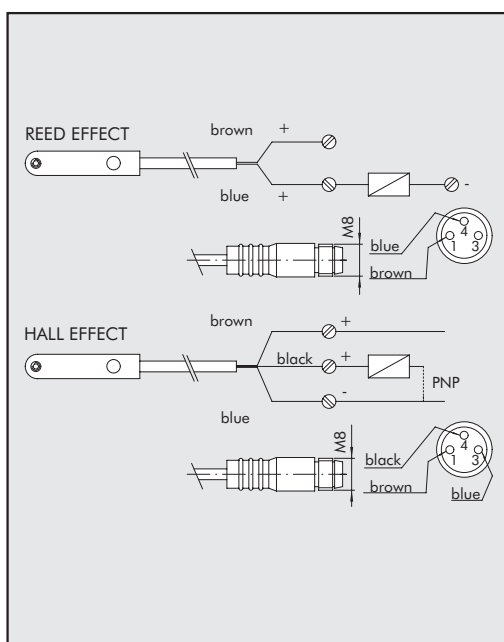
RETRACTABLE SENSOR WITH INSERTION FROM ABOVE



Code	Description
W0952025390	HALL N.O. SENSOR, VERTICAL INSERTION 2.5m
W0952029394	HALL N.O. SENSOR, VERTICAL INSERTION 300 mm M8
W0952022180	REED N.O. SENSOR, VERTICAL INSERTION 2.5m
W0952028184	REED N.O. SENSOR, VERTICAL INSERTION 300 mm M8
W0952125556	HALL N.O. SENSOR, VERTICAL INSERTION 2m ATEX

This type of sensor can be inserted in the slot of the sensor from above. This means the cylinder heads do not require a through opening.

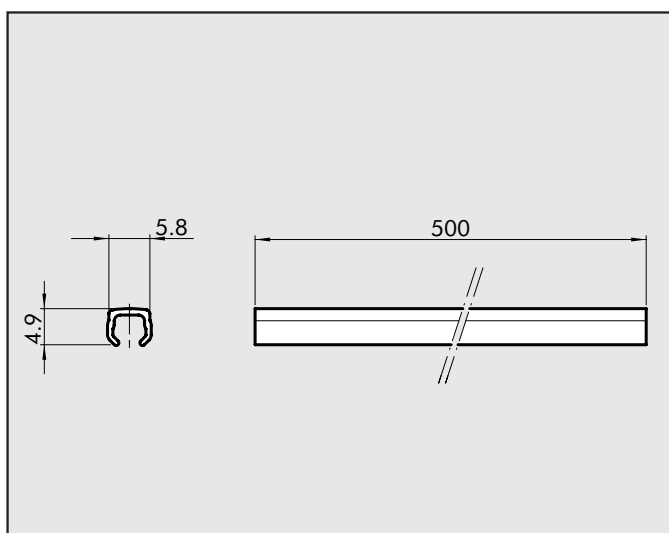
WIRING DIAGRAM



TECHNICAL DATA

	Reed	Effetto Hall	Effetto Hall
Type of contact	N.O.	N.O.	N.O.
Switch	-	PNP	PNP
Supply voltage (U _b)	V 10 ÷ 30 AC/DC	10 ÷ 30 DC	18 ÷ 30 DC
Power	W 3 (peak valve=6)	3	≤ 1.7
Voltage variation	-	≤ 10% di U _b	≤ 10% di U _b
Voltage drop	V -	≤ 2	≤ 2.2
Input current	mA -	≤ 10	≤ 10
Output current	mA ≤ 100	≤ 100	≤ 70
Switching frequency	Hz ≤ 400	≤ 5000	1000
Short-circuit protection	-	Yes	Yes
Over-voltage suppression	-	Yes	Yes
Polarity inversion protection	-	Yes	Yes
EMC	EN 60 947-5-2	EN 60 947-5-2	EN 60 947-5-2
LED display	Yellow	Yellow	Yellow
Magnetic sensitivity	2,8 mT ±25%	2,8 mT ±25%	2.6
Repeatability	≤ 0,1 mT	≤ 0,1 mT	≤ 0,1 (U _b and to fixed)
Degree of protection (EN 60529)	IP 67	IP 67	IP 68, IP 69K
Vibration and shock resistance	30 g, 11 ms, 10÷55 Hz, 1mm	30 g, 11 ms, 10÷55 Hz, 1mm	30 g, 11 ms, 10÷55 Hz, 1mm
Temperature range	°C -25 ÷ +75	-25 ÷ +75	-20 ÷ +45
Sensor capsule material	PA66 + PA6I/6T	PA66 + PA6I/6T	PA
2.5m/2m connecting cable	PVC; 2 x 0,12 mm ²	PVC; 3 x 0,14 mm ²	PVC; 3 x 0,12 mm ²
Connecting cable with M8x1	Polyurethane; 2 x 0,14 mm ²	Polyurethane; 3 x 0,14 mm ²	-
Wire NO.	2	3	3

BAR FOR GROOVING

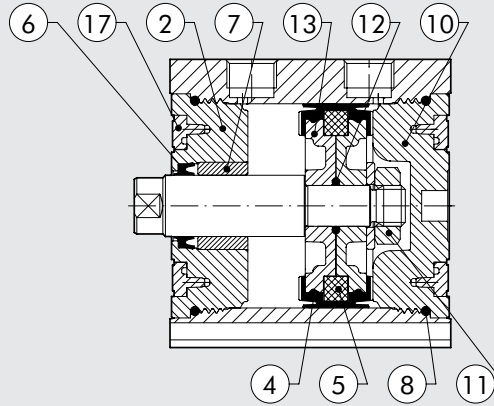


Code	Description
W0950000160	BAR FOR GROOVING L=500 mm

Note: The code corresponds to 1 piece.

SPARE PARTS

COMPACT CYLINDERS ISO 21287 (POLYURETHANE)



Type	Parts	Bores	Codes
Complete set of gaskets polyurethane	④ ⑥ ⑧	∅ 20, ∅ 25	009 . . . L001
Complete set of gaskets polyurethane	④ ⑥ ⑧ ⑫ ⑰	∅ 32÷63	009 . . . L001
Complete set of gaskets polyurethane	④ ⑥ ⑧ ⑫	∅ 80, ∅ 100	009 . . . L001
Front head kit	② ⑥ ⑦ ⑧	∅ 20, ∅ 25, ∅ 80, ∅ 100	009 . . . L101
Front head kit	② ⑥ ⑦ ⑧ ⑰	∅ 32÷63	009 . . . L101
Rear head kit	⑧ ⑩	∅ 20, ∅ 25, ∅ 80, ∅ 100	009 . . . L201
Rear head kit	⑧ ⑩ ⑰	∅ 32÷63	009 . . . L201
Piston kit polyurethane	④ ⑤ ⑪	∅ 20, ∅ 25	009 . . . 7401
Piston kit polyurethane	④ ⑤ ⑪ ⑫ ⑬ ⑰	∅ 32÷63	009 . . . L401
Piston kit polyurethane	④ ⑤ ⑪ ⑫ ⑬	∅ 80÷100	009 . . . 7401
Magnet	⑤	∅ 20, ∅ 25, ∅ 80, ∅ 100	009 . . . 7501
Magnet	⑤ ⑰	∅ 32÷63	009 . . . L501
Front + rear cylinder head + piston kit polyurethane	② ④ ⑤ ⑥ ⑦ ⑧ ⑩ ⑪	∅ 20, ∅ 25	009 . . . L901
Front + rear cylinder head + piston kit polyurethane	② ④ ⑤ ⑥ ⑦ ⑧ ⑩ ⑪ ⑫ ⑬ ⑰	∅ 32÷63	009 . . . L901
Front + rear cylinder head + piston kit polyurethane	② ④ ⑤ ⑥ ⑦ ⑧ ⑩ ⑪ ⑫ ⑬	∅ 80, ∅ 100	009 . . . L901

NOTES

