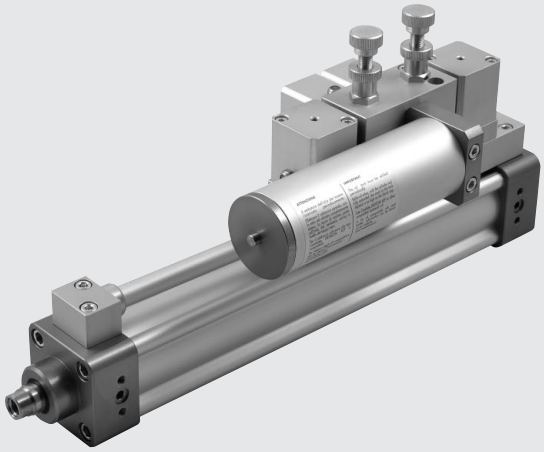
BRK HYDRAULIC BRAKE

BRK HYDRAULIC BRAKE

This is a closed-loop hydraulic brake without its own power source.
It is normally associated with an ISO 15552 pneumatic cylinder.
It consists of an oil-filled cylinder, one or more regulation valves and a tank compensating for oil leaks.
It is available in two sizes, the Ø40 and Ø63, and in different versions:

- with regulation in piston rod extension, in retraction or both
- SKIP valve (slow/fast) or STOP valve or both, with NC or NO control

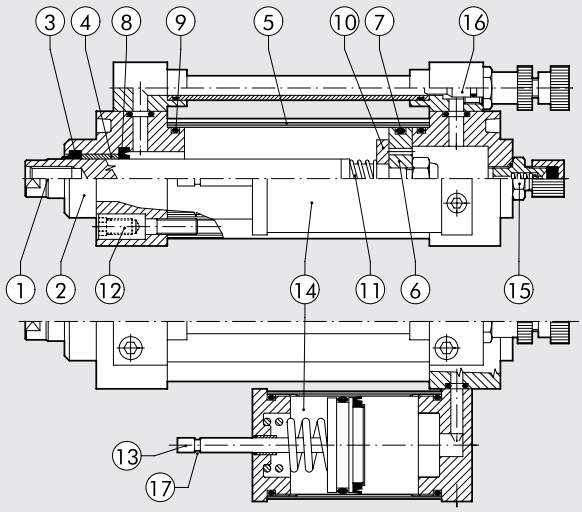
After a certain operating time, the brake compensation tank needs to be topped up. Refer to the minimum mark on the dipstick. With the piston rod fully extended, the dipstick must project at least 15 mm from the tank cap. Use only DEXRON ATF hydraulic oil - the list of compatible oils is available on the web site www.metalwork.it. During the first few work cycles, excess oil is ejected through a hole in the tank.



TECHNICAL DATA		Ø40	Ø63
Operating temperature	°C	From –10 to +70	
Fluid		Oil, brake fluid provided	
Maximum applicable load	N	7000	25000
Speed	mm/min	see attached diagram	
Standard strokes	mm	50, 100, 150, 200, 250, 300, 350, 400, 450, 500 special strokes up to 1000 on request.	
Versions		Regulation in piston rod extension and/or retraction. SKIP valves. STOP valves. NC or NO Tank in-line or on the side.	
Cylinder fixing		using flange kit	-
ISO 15552 cylinders connected	mm	from Ø 40 to Ø 100	from Ø 100 to Ø 200

COMPONENTS

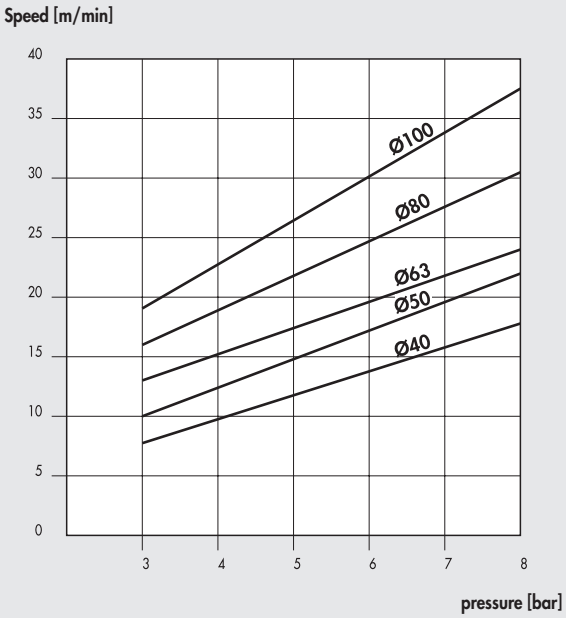
① PISTON ROD: thick chromed steel
② HEADS: anodised aluminium alloy
③ PISTON ROD GASKET: NBR rubber
④ PISTON ROD GUIDE BUSHING: steel strip with bronze and PTFE insert
⑤ JACKET: drawn anodised aluminium alloy
⑥ PISTON: aluminium alloy
⑦ PISTON GASKET: NBR rubber
⑧ OIL SEAL GASKET: polyurethane
⑨ Static O-rings: NBR rubber
⑩ SEALING DISK: plastic
⑪ SPRINGS: zinc-plated steel
⑫ SECURING/ASSEMBLY SCREW: self-threading screw (Tap Tite)
⑬ OIL LEVEL STICK: zinc-plated steel
⑭ OIL RECOVERY TANK
⑮ VALVE for OIL FILLING
⑯ FLOW REGULATION NEEDLE
⑰ MINIMUM LEVEL



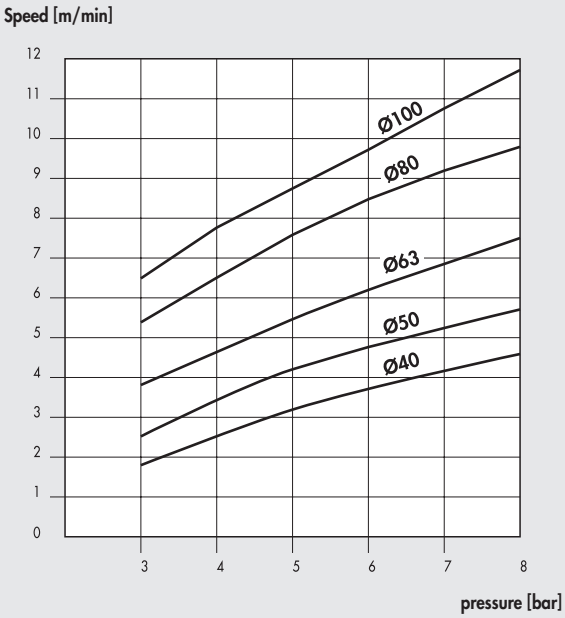
SPEED

The speed can be reached by coupling the BRK brake to a pneumatic cylinder. The diagrams show the indicative speed, which depends on the bore and feed pressure for the pneumatic cylinder. Average values for temperature of 20°C. The maximum speed increases with oil temperature, and vice versa.

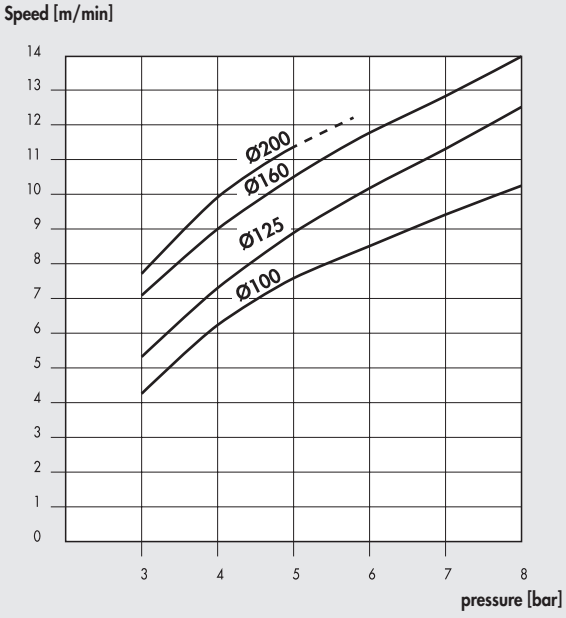
Ø40 BRK BRAKE WITH REGULATION, SKIP OR REGULATION +SKIP VALVE(S)



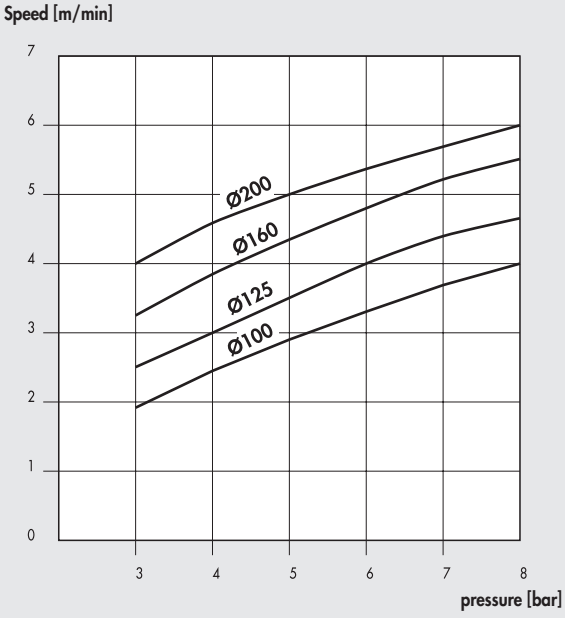
Ø40 BRK BRAKE WITH STOP OR REGULATION + STOP VALVE(S)



Ø63 BRK BRAKE WITH REGULATION, SKIP OR REGULATION + SKIP VALVE(S)

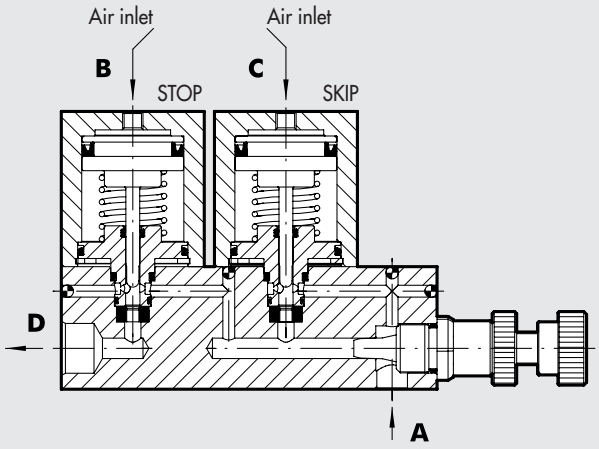


Ø63 BRK BRAKE WITH STOP OR REGULATION + STOP VALVE(S)

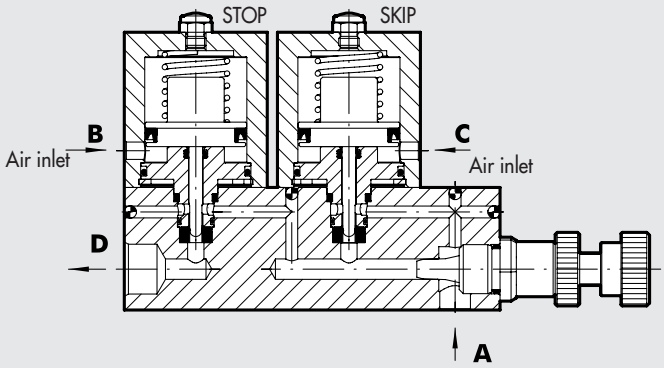


SKIP-STOP APPLICATION WITH VALVES

NO



NC



In normally-open (NO) valves, flow moves freely from A to D. When port C is supplied, this operates the SKIP valve and the fluid is forced through the bottleneck generated by the adjusting pin. When port B is supplied, this operates the STOP valve and interrupts the flow of fluid.
In normally-closed NC valves, flow is normally inhibited. When port B is supplied, the fluid flows through but it is forced through the bottleneck generated by the adjusting pin. When port C is supplied, flow moves freely from A to D.

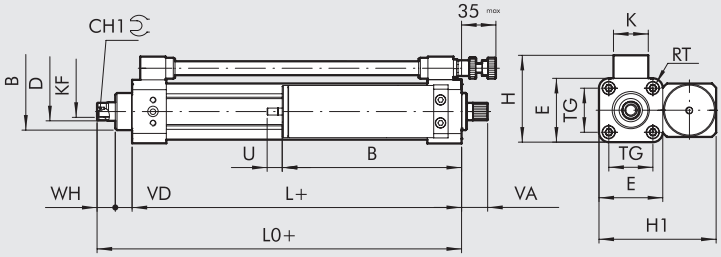
DIMENSIONS AND ORDERING CODES

HYDRAULIC BRAKE WITH REGULATION IN PISTON ROD EXTENSION

Symbol	Code	Ø
	W170001____	40
	W170001____63	63

____ = Enter the stroke

Weight [g]
Ø40: For stroke 0 mm = 1340 g / Each mm = 4.2 g
Ø63: For stroke 0 mm = 2340 g / Each mm = 8.7 g

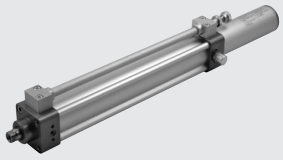


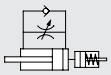
+ = ADD THE STROKE

Ø	B	CH1	D	E	H	H1	K	KF	L	L0	RT	TG	VA	VD	WH
40	32	13	16	55	75	101	30	M10	84	114	M6	38	22.5	14.5	15.5
63	45	19	22	75	100	131	35	M16	96	126.5	M8	56.5	22.5	15	15.5

	B		U max	
Stroke	Ø40	Ø63	Ø40	Ø63
1 - 50	109	133	23	28
51 - 150	129	158	39	47
151 - 250	154	178	55	67
251 - 350	174	228	71	86
351 - 450	204	248	87	105
451 - 500	229	273	95	124

HYDRAULIC BRAKE WITH REGULATION IN PISTON ROD EXTENSION, IN-LINE TANK



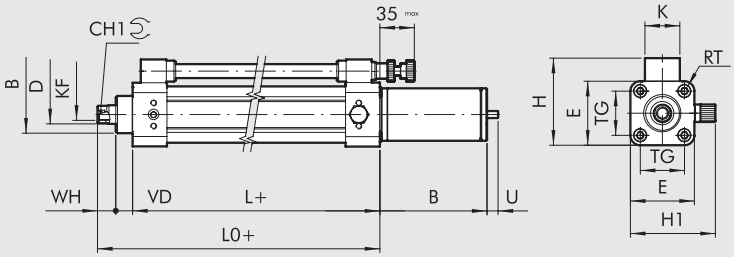
Symbol	Code	Ø
	W170001____L	40
	W170001____63L	63

____ = Enter the stroke

Weight [g]

Ø40: For stroke 0 mm = 1300 g / Each mm = 4.2 g

Ø63: For stroke 0 mm = 2300 g / Each mm = 8.7 g



+ = ADD THE STROKE

Ø	B	CH1	D	E	H	H1	K	KF	L	L0	RT	TG	VD	WH
40	32	13	16	55	75	73	30	M10	84	114	M6	38	14.5	15.5
63	45	19	22	75	100	93	35	M16	96	126.5	M8	56.5	15	15.5

Stroke	B Ø40	B Ø63	U max Ø40	U max Ø63
1 - 50	92	112	23	28
51 - 150	112	137	39	47
151 - 250	137	157	55	67
251 - 350	157	187	71	86
351 - 450	187	212	87	105
451 - 500	212	252	95	124

HYDRAULIC BRAKE WITH REGULATION IN PISTON ROD RETRACTION

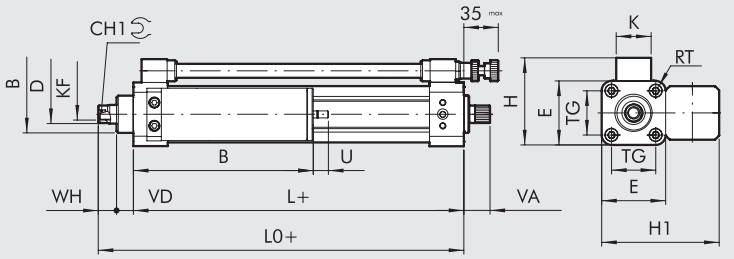
Symbol	Code	Ø
	W170011____	40
	W170011____63	63

____ = Enter the stroke

Weight [g]

Ø40: For stroke 0 mm = 1340 g / Each mm = 4.2 g

Ø63: For stroke 0 mm = 2340 g / Each mm = 8.7 g

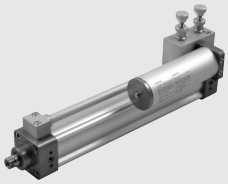


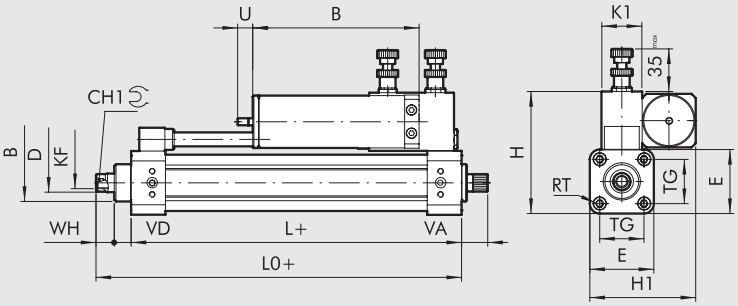
+ = ADD THE STROKE

Ø	B	CH1	D	E	H	H1	K	KF	L	L0	RT	TG	VA	VD	WH
40	32	13	16	55	75	101	30	M10	84	114	M6	38	22.5	14.5	15.5
63	45	19	22	75	100	131	35	M16	96	126.5	M8	56.5	22.5	15	15.5

Stroke	B Ø40	B Ø63	U max Ø40	U max Ø63
1 - 50	109	133	23	28
51 - 150	129	158	39	47
151 - 250	154	178	55	67
251 - 350	174	228	71	86
351 - 450	204	248	87	105
451 - 500	229	273	95	124

HYDRAULIC BRAKE WITH REGULATION IN PISTON ROD EXTENSION/RETRACTION





+ = ADD THE STROKE

Symbol	Code	Ø
	W170021____	40
	W170021____63	63

____ = Enter the stroke

Weight [g]

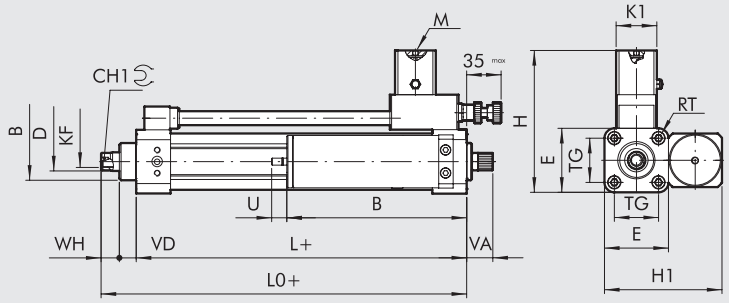
Ø40: For stroke 0 mm = 1710 g / Each mm = 4.2 g

Ø63: For stroke 0 mm = 2760 g / Each mm = 8.7 g

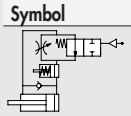
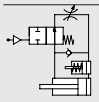
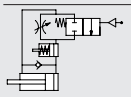
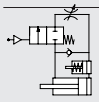
Ø	B	CH1	D	E	H	H1	K1	KF	L	L0	RT	TG	VA	VD	WH
40	32	13	16	55	105	91	35	M10	84	114	M6	38	22.5	14.5	15.5
63	45	19	22	75	135	111	35	M16	96	126.5	M8	56.5	22.5	15	15.5

Stroke	B Ø40	B Ø63	U max Ø40	U max Ø63
1 - 50	98	122	23	28
51 - 150	118	147	39	47
151 - 250	143	167	55	67
251 - 350	163	217	71	86
351 - 450	193	237	87	105
451 - 500	218	262	95	124

HYDRAULIC BRAKE WITH REGULATION IN EXTENSION + SKIP VALVE
HYDRAULIC BRAKE WITH REGULATION IN EXTENSION + STOP VALVE



+ = ADD THE STROKE

Symbol	Code	Ø	Valve
	W170101____	40	SKIP NO
	W170101____63	63	SKIP NO
	W170201____	40	STOP NO
	W170201____63	63	STOP NO
	W170102____	40	SKIP NC
	W170102____63	63	SKIP NC
	W170202____	40	STOP NC
	W170202____63	63	STOP NC

____ = Enter the stroke

Weight [g]

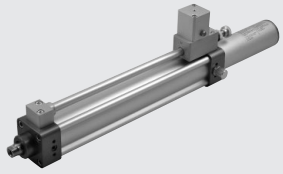
Ø40: For stroke 0 mm = 1555 g / Each mm = 4.2 g

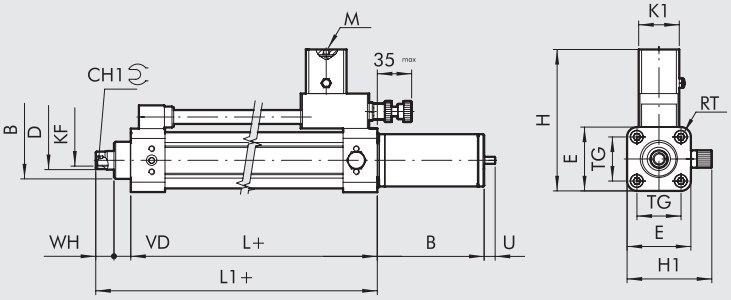
Ø63: For stroke 0 mm = 2620 g / Each mm = 8.7 g

Ø	B	CH1	D	E	H	H1	K1	KF	L	L0	M	RT	TG	VA	VD	WH
40	32	13	16	55	123	101	35	M10	84	114	M5	M6	38	22.5	14.5	15.5
63	45	19	22	75	143	131	35	M16	96	126.5	M5	M8	56.5	22.5	15	15.5

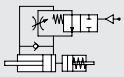
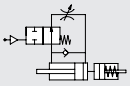
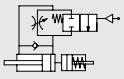
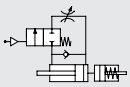
Stroke	B Ø40	B Ø63	U max Ø40	U max Ø63
1 - 50	109	133	23	28
51 - 150	129	158	39	47
151 - 250	154	178	55	67
251 - 350	174	228	71	86
351 - 450	204	248	87	105
451 - 500	229	273	95	124

HYDRAULIC BRAKE WITH REGULATION IN EXTENSION + SKIP VALVE, IN-LINE TANK
HYDRAULIC BRAKE WITH REGULATION IN EXTENSION + STOP VALVE, IN-LINE TANK





+ = ADD THE STROKE

Symbol	Code	Ø	Valve
	W170101____L	40	SKIP NO
	W170101____63L	63	SKIP NO
	W170201____L	40	STOP NO
	W170201____63L	63	STOP NO
	W170102____L	40	SKIP NC
	W170102____63L	63	SKIP NC
	W170202____L	40	STOP NC
	W170202____63L	63	STOP NC

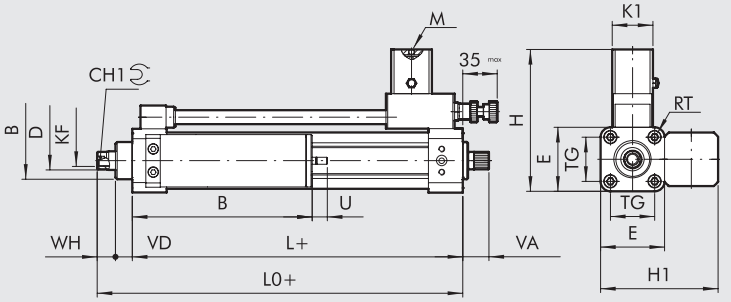
____ = Enter the stroke

Weight [g]
Ø40: For stroke 0 mm = 1510 g / Each mm = 4.2 g
Ø63: For stroke 0 mm = 2600 g / Each mm = 8.7 g

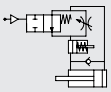
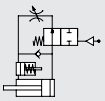
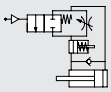
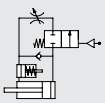
Ø	B	CH1	D	E	H	H1	K1	KF	L	L0	M	RT	TG	VD	WH
40	32	13	16	55	123	73	35	M10	84	114	M5	M6	38	14.5	15.5
63	45	19	22	75	143	93	35	M16	96	126.5	M5	M8	56.5	15	15.5

Stroke	B Ø40	B Ø63	U max Ø40	U max Ø63
1 - 50	92	112	23	28
51 - 150	112	137	39	47
151 - 250	137	157	55	67
251 - 350	157	187	71	86
351 - 450	187	212	87	105
451 - 500	212	252	95	124

HYDRAULIC BRAKE WITH REGULATION IN RETRACTION + SKIP VALVE
HYDRAULIC BRAKE WITH REGULATION IN RETRACTION + STOP VALVE



+ = ADD THE STROKE

Symbol	Code	Ø	Valve
	W170111____	40	SKIP NO
	W170111____63	63	SKIP NO
	W170211____	40	STOP NO
	W170211____63	63	STOP NO
	W170112____	40	SKIP NC
	W170112____63	63	SKIP NC
	W170212____	40	STOP NC
	W170212____63	63	STOP NC

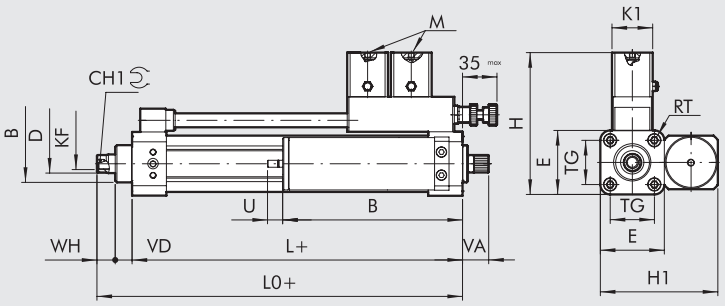
____ = Enter the stroke

Weight [g]
Ø40: For stroke 0 mm = 1555 g / Each mm = 4.2 g
Ø63: For stroke 0 mm = 2620 g / Each mm = 8.7 g

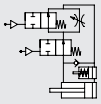
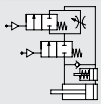
Ø	B	CH1	D	E	H	H1	K1	KF	L	L0	M	RT	TG	VA	VD	WH
40	32	13	16	55	123	101	35	M10	84	114	M5	M6	38	22.5	14.5	15.5
63	45	19	22	75	143	131	35	M16	96	126.5	M5	M8	56.5	22.5	15	15.5

Stroke	B Ø40	B Ø63	U max Ø40	U max Ø63
1 - 50	109	133	23	28
51 - 150	129	158	39	47
151 - 250	154	178	55	67
251 - 350	174	228	71	86
351 - 450	204	248	87	105
451 - 500	229	273	95	124

HYDRAULIC BRAKE WITH REGULATION IN EXTENSION + SKIP/STOP VALVES



+ = ADD THE STROKE

Symbol	Code	Ø	Valve
	W170301____	40	SKIP/STOP NO
	W170301____63	63	SKIP/STOP NO
	W170302____	40	SKIP/STOP NC
	W170302____63	63	SKIP/STOP NC

____ = Enter the stroke

Weight [g]

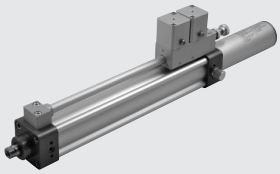
Ø40: For stroke 0 mm = 1730 g / Each mm = 4.2 g

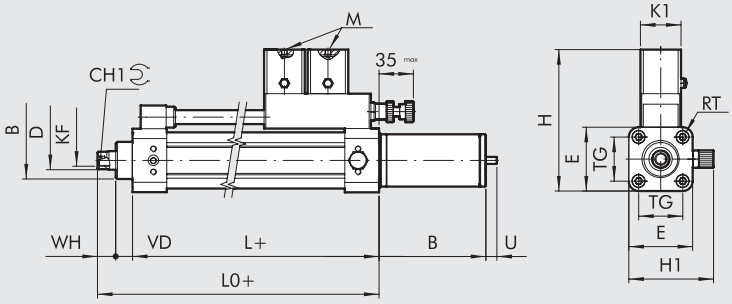
Ø63: For stroke 0 mm = 2850 g / Each mm = 8.7 g

Ø	B	CH1	D	E	H	H1	K1	KF	L	L0	M	RT	TG	VA	VD	WH
40	32	13	16	55	123	101	35	M10	84	114	M5	M6	38	22.5	14.5	15.5
63	45	19	22	75	143	131	35	M16	96	126.5	M5	M8	56.5	22.5	15	15.5

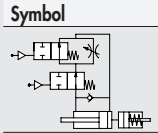
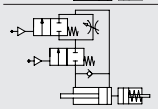
Stroke	B Ø40	B Ø63	U max Ø40	U max Ø63
1 - 50	109	133	23	28
51 - 150	129	158	39	47
151 - 250	154	178	55	67
251 - 350	174	228	71	86
351 - 450	204	248	87	105
451 - 500	229	273	95	124

HYDRAULIC BRAKE WITH REGULATION IN EXTENSION + SKIP/STOP VALVES, IN-LINE TANK





+ = ADD THE STROKE

Symbol	Code	Ø	Valve
	W170301____L	40	SKIP/STOP NO
	W170301____63L	63	SKIP/STOP NO
	W170302____L	40	SKIP/STOP NC
	W170302____63L	63	SKIP/STOP NC

____ = Enter the stroke

Weight [g]

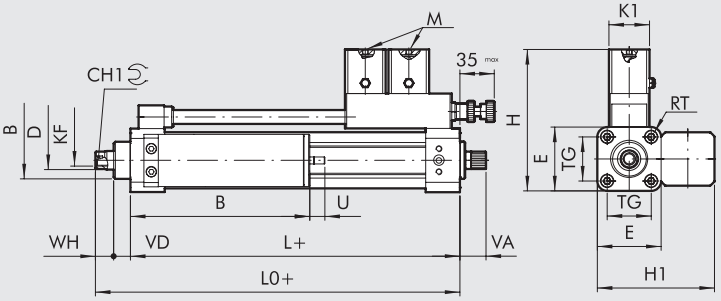
Ø40: For stroke 0 mm = 1690 g / Each mm = 4.2 g

Ø63: For stroke 0 mm = 2800 g / Each mm = 8.7 g

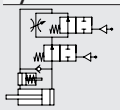
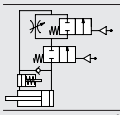
Ø	B	CH1	D	E	H	H1	K1	KF	L	L0	M	RT	TG	VA	VD	WH
40	32	13	16	55	123	73	35	M10	84	114	M5	M6	38	22.5	14.5	15.5
63	45	19	22	75	143	93	35	M16	96	126.5	M5	M8	56.5	22.5	15	15.5

Stroke	B Ø40	B Ø63	U max Ø40	U max Ø63
1 - 50	92	112	23	28
51 - 150	112	137	39	47
151 - 250	137	157	55	67
251 - 350	157	187	71	86
351 - 450	187	212	87	105
451 - 500	212	252	95	124

HYDRAULIC BRAKE WITH REGULATION IN RETRACTION + SKIP/STOP VALVES



+ = ADD THE STROKE

Symbol	Code	Ø	Valve
	**W170311____**	**40**	SKIP/STOP NO
	W170311____63	**63**	SKIP/STOP NO
	**W170312____**	**40**	SKIP/STOP NC
	W170312____63	**63**	SKIP/STOP NC

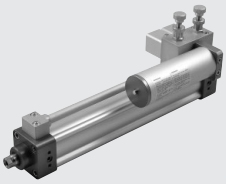
____ = Enter the stroke

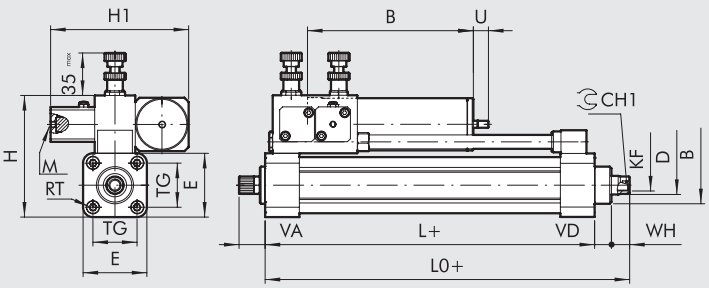
Weight [g]
Ø40: For stroke 0 mm = 1730 g / Each mm = 4.2 g
Ø63: For stroke 0 mm = 2850 g / Each mm = 8.7 g

Ø	B	CH1	D	E	H	H1	K1	KF	L	L0	M	RT	TG	VA	VD	WH
40	32	13	16	55	123	101	35	M10	84	114	M5	M6	38	22.5	14.5	15.5
63	45	19	22	75	143	131	35	M16	96	126.5	M5	M8	56.5	22.5	15	15.5

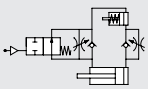
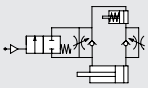
Stroke	B		U max	
	Ø40	Ø63	Ø40	Ø63
1 - 50	109	133	23	28
51 - 150	129	158	39	47
151 - 250	154	178	55	67
251 - 350	174	228	71	86
351 - 450	204	248	87	105
451 - 500	229	273	95	124

HYDRAULIC BRAKE WITH REGULATION IN EXTENSION/RETRACTION + EXTENSION SKIP VALVE





+ = ADD THE STROKE

Symbol	Code	Ø	Valve
	**W17002A____**	**40**	SKIP NO
	W17002A____63	**63**	SKIP NO
	**W17002B____**	**40**	SKIP NC
	W17002B____63	**63**	SKIP NC

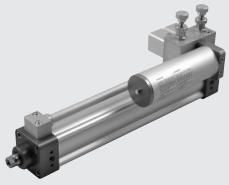
____ = Enter the stroke

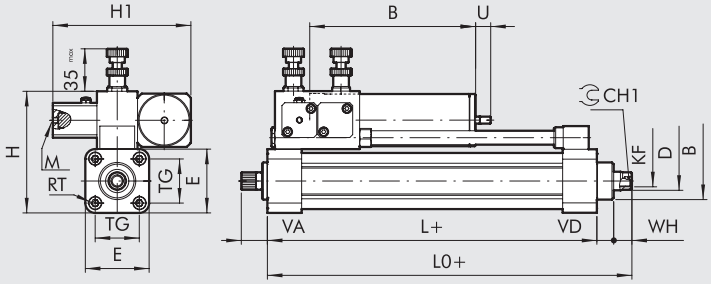
Weight [g]
Ø40: For stroke 0 mm = 1850 g / Each mm = 4.2 g
Ø63: For stroke 0 mm = 2910 g / Each mm = 8.7 g

Ø	B	CH1	D	E	H	H1	KF	L	L0	M	RT	TG	VA	VD	WH
40	32	13	16	55	105	119	M10	84	114	M5	M6	38	22.5	14.5	15.5
63	45	19	22	75	135	129	M16	96	126.5	M5	M8	56.5	22.5	15	15.5

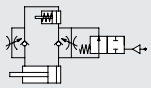
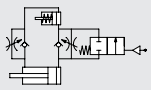
Stroke	B		U max	
	Ø40	Ø63	Ø40	Ø63
1 - 50	98	122	23	28
51 - 150	118	147	39	47
151 - 250	143	167	55	67
251 - 350	163	217	71	86
351 - 450	193	237	87	105
451 - 500	218	262	95	124

HYDRAULIC BRAKE WITH REGULATION IN EXTENSION/RETRACTION + RETRACTION SKIP VALVE





+ = ADD THE STROKE

Symbol	Code	Ø	Valve
	**W17002C____**	**40**	SKIP NO
	W17002C____63	**63**	SKIP NO
	**W17002D____**	**40**	SKIP NC
	W17002D____63	**63**	SKIP NC

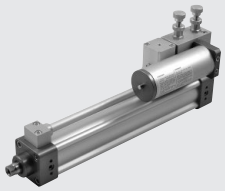
____ = Enter the stroke

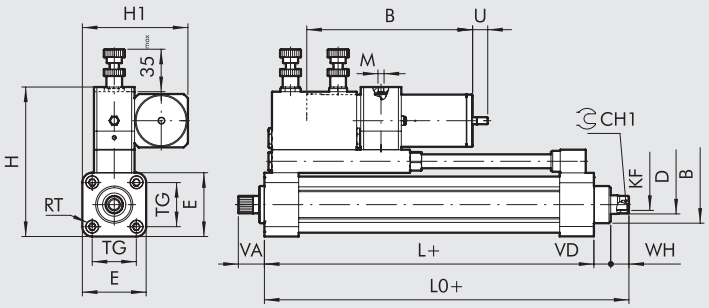
Weight [g]
Ø40: For stroke 0 mm = 1850 g / Each mm = 4.2 g
Ø63: For stroke 0 mm = 2910 g / Each mm = 8.7 g

Ø	B	CH1	D	E	H	H1	KF	L	L0	M	RT	TG	VA	VD	WH
40	32	13	16	55	105	119	M10	84	114	M5	M6	38	22.5	14.5	15.5
63	45	19	22	75	135	129	M16	96	126.5	M5	M8	56.5	22.5	15	15.5

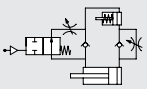
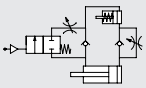
Stroke	B Ø40	B Ø63	U max Ø40	U max Ø63
1 - 50	98	122	23	28
51 - 150	118	147	39	47
151 - 250	143	167	55	67
251 - 350	163	217	71	86
351 - 450	193	237	87	105
451 - 500	218	262	95	124

HYDRAULIC BRAKE WITH REGULATION IN EXTENSION/RETRACTION + EXTENSION STOP VALVE





+ = ADD THE STROKE

Symbol	Code	Ø	Valve
	**W170023____**	**40**	STOP NO
	W170023____63	**63**	STOP NO
	**W170024____**	**40**	STOP NC
	W170024____63	**63**	STOP NC

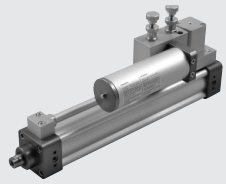
____ = Enter the stroke
Note: Minimum stroke 100 mm

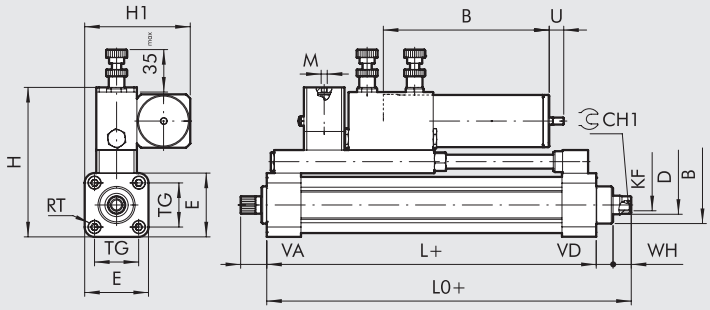
Weight [g]
Ø40: For stroke 0 mm = 1990 g / Each mm = 4.2 g
Ø63: For stroke 0 mm = 3230 g / Each mm = 8.7 g

Ø	B	CH1	D	E	H	H1	KF	L	L0	M	RT	TG	VA	VD	WH
40	32	13	16	55	129	91	M10	84	114	M5	M6	38	22.5	14.5	15.5
63	45	19	22	75	154	111	M16	96	126.5	M5	M8	56.5	22.5	15	15.5

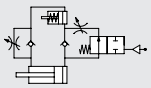
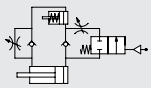
Stroke	B Ø40	B Ø63	U max Ø40	U max Ø63
100 - 150	118	147	39	47
151 - 250	143	167	55	67
251 - 350	163	217	71	86
351 - 450	193	237	87	105
451 - 500	218	262	95	124

HYDRAULIC BRAKE WITH REGULATION IN EXTENSION/RETRACTION + RETRACTION STOP VALVE





+ = ADD THE STROKE

Symbol	Code	Ø	Valve
	W170025____	40	STOP NO
	W170025____63	63	STOP NO
	W170026____	40	STOP NC
	W170026____63	63	STOP NC

____ = Enter the stroke

Note: Minimum stroke 100 mm

Weight [g]

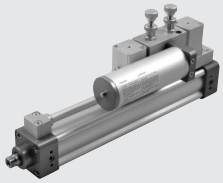
Ø40: For stroke 0 mm = 2080 g / Each mm = 4.2 g

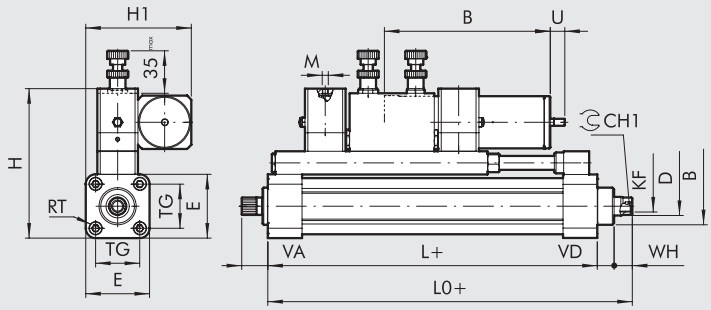
Ø63: For stroke 0 mm = 3230 g / Each mm = 8.7 g

Ø	B	CH1	D	E	H	H1	KF	L	L0	M	RT	TG	VA	VD	WH
40	32	13	16	55	129	91	M10	84	114	M5	M6	38	22.5	14.5	15.5
63	45	19	22	75	154	111	M16	96	126.5	M5	M8	56.5	22.5	15	15.5

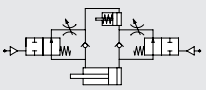
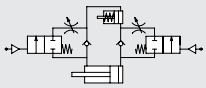
	B		U max	
Stroke	Ø40	Ø63	Ø40	Ø63
100 - 150	118	147	39	47
151 - 250	143	167	55	67
251 - 350	163	217	71	86
351 - 450	193	237	87	105
451 - 500	218	262	95	124

HYDRAULIC BRAKE WITH REGULATION IN EXTENSION/RETRACTION + DUAL STOP VALVE





+ = ADD THE STROKE

Symbol	Code	Ø	Valve
	W170221____	40	STOP NO
	W170221____63	63	STOP NO
	W170222____	40	STOP NC
	W170222____63	63	STOP NC

____ = Enter the stroke

Note: Minimum stroke 150 mm

Weight [g]

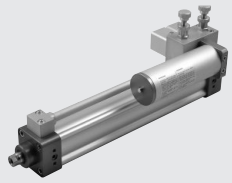
Ø40: For stroke 0 mm = 2260 g / Each mm = 4.2 g

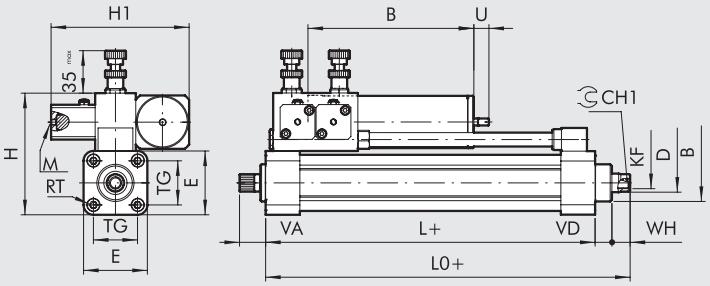
Ø63: For stroke 0 mm = 3560 g / Each mm = 8.7 g

Ø	B	CH1	D	E	H	H1	KF	L	L0	M	RT	TG	VA	VD	WH
40	32	13	16	55	129	91	M10	84	114	M5	M6	38	22.5	14.5	15.5
63	45	19	22	75	154	111	M16	96	126.5	M5	M8	56.5	22.5	15	15.5

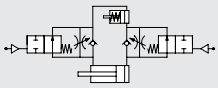
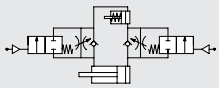
	B		U max	
Stroke	Ø40	Ø63	Ø40	Ø63
150	118	147	39	47
151 - 250	143	167	55	67
251 - 350	163	217	71	86
351 - 450	193	237	87	105
451 - 500	218	262	95	124

HYDRAULIC BRAKE WITH REGULATION IN EXTENSION/RETRACTION + DUAL SKIP VALVE





+ = ADD THE STROKE

Symbol	Code	Ø	Valve
	W170121____	40	SKIP NO
	W170121____63	63	SKIP NO
	W170122____	40	SKIP NC
	W170122____63	63	SKIP NC

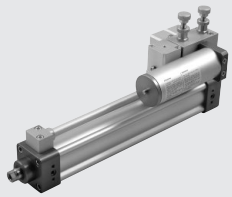
____ = Enter the stroke

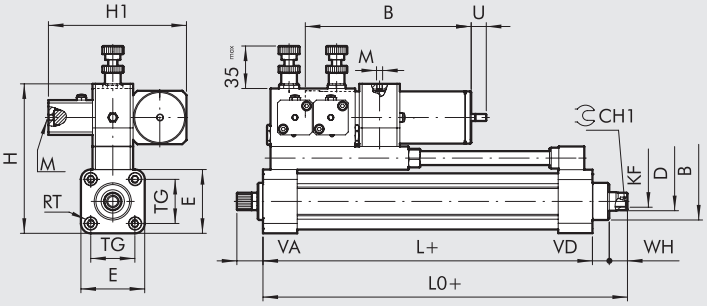
Weight [g]
Ø40: For stroke 0 mm = 1850 g / Each mm = 4.2 g
Ø63: For stroke 0 mm = 3050 g / Each mm = 8.7 g

Ø	B	CH1	D	E	H	H1	KF	L	L0	M	RT	TG	VA	VD	WH
40	32	13	16	55	105	119	M10	84	114	M5	M6	38	22.5	14.5	15.5
63	45	19	22	75	135	129	M16	96	126.5	M5	M8	56.5	22.5	15	15.5

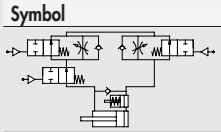
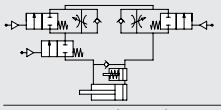
	B		U max	
Stroke	Ø40	Ø63	Ø40	Ø63
1 - 50	98	122	23	28
51 - 150	118	147	39	47
151 - 250	143	167	55	67
251 - 350	163	217	71	86
351 - 450	193	237	87	105
451 - 500	218	262	95	124

HYDRAULIC BRAKE WITH REGULATION IN EXTENSION/RETRACTION + DUAL SKIP VALVE + PISTON ROD EXTENSION STOP VALVE





+ = ADD THE STROKE

Symbol	Code	Ø	Valve
	W170123____	40	SKIP + STOP NO
	W170123____63	63	SKIP + STOP NO
	W170124____	40	SKIP + STOP NC
	W170124____63	63	SKIP + STOP NC

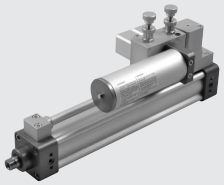
____ = Enter the stroke
Note: Minimum stroke 100 mm

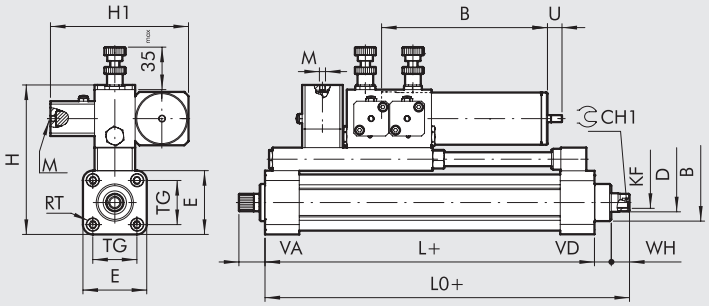
Weight [g]
Ø40: For stroke 0 mm = 2110 g / Each mm = 4.2 g
Ø63: For stroke 0 mm = 3490 g / Each mm = 8.7 g

Ø	B	CH1	D	E	H	H1	KF	L	L0	M	RT	TG	VA	VD	WH
40	32	13	16	55	129	119	M10	84	114	M5	M6	38	22.5	14.5	15.5
63	45	19	22	75	154	129	M16	96	126.5	M5	M8	56.5	22.5	15	15.5

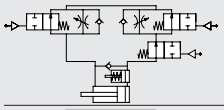
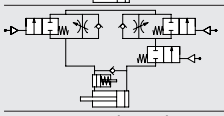
	B		U max	
Stroke	Ø40	Ø63	Ø40	Ø63
100 - 150	118	147	39	47
151 - 250	143	167	55	67
251 - 350	163	217	71	86
351 - 450	193	237	87	105
451 - 500	218	262	95	124

HYDRAULIC BRAKE WITH REGULATION IN EXTENSION/RETRACTION + DUAL SKIP VALVE + PISTON ROD RETRACTION STOP VALVE





+ = ADD THE STROKE

Symbol	Code	Ø	Valve
	W170125____	40	SKIP + STOP NO
	W170125____63	63	SKIP + STOP NO
	W170126____	40	SKIP + STOP NC
	W170126____63	63	SKIP + STOP NC

____ = Enter the stroke

Note: Minimum stroke 100 mm

Weight [g]

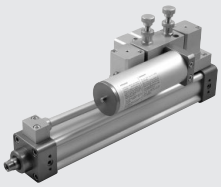
Ø40: For stroke 0 mm = 2210 g / Each mm = 4.2 g

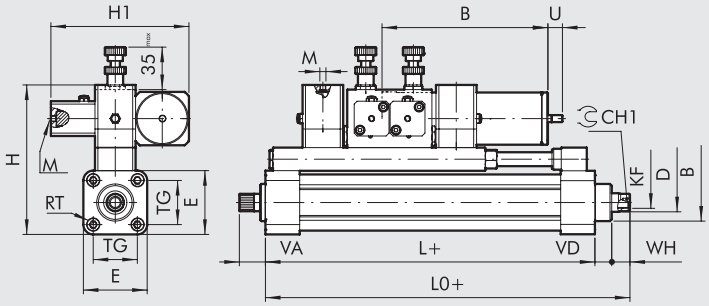
Ø63: For stroke 0 mm = 3490 g / Each mm = 8.7 g

Ø	B	CH1	D	E	H	H1	KF	L	L0	M	RT	TG	VA	VD	WH
40	32	13	16	55	129	91	M10	84	114	M5	M6	38	22.5	14.5	15.5
63	45	19	22	75	154	111	M16	96	126.5	M5	M8	56.5	22.5	15	15.5

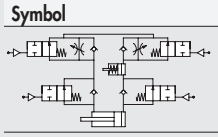
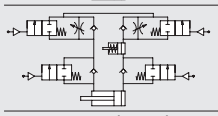
Stroke	B Ø40	B Ø63	U max Ø40	U max Ø63
100 - 150	118	147	39	47
151 - 250	143	167	55	67
251 - 350	163	217	71	86
351 - 450	193	237	87	105
451 - 500	218	262	95	124

HYDRAULIC BRAKE WITH REGULATION IN EXTENSION/RETRACTION + DUAL SKIP VALVE + DUAL STOP VALVE





+ = ADD THE STROKE

Symbol	Code	Ø	Valve
	W170321____	40	SKIP + STOP NO
	W170321____63	63	SKIP + STOP NO
	W170322____	40	SKIP + STOP NC
	W170322____63	63	SKIP + STOP NC

____ = Enter the stroke

Note: Minimum stroke 150 mm

Weight [g]

Ø40: For stroke 0 mm = 2415 g / Each mm = 4.2 g

Ø63: For stroke 0 mm = 3820 g / Each mm = 8.7 g

Ø	B	CH1	D	E	H	H1	KF	L	L0	M	RT	TG	VA	VD	WH
40	32	13	16	55	129	119	M10	84	114	M5	M6	38	22.5	14.5	15.5
63	45	19	22	75	154	129	M16	96	126.5	M5	M8	56.5	22.5	15	15.5

Stroke	B Ø40	B Ø63	U max Ø40	U max Ø63
150	118	147	39	47
151 - 250	143	167	55	67
251 - 350	163	217	71	86
351 - 450	193	237	87	105
451 - 500	218	262	95	124

KEY TO CODES

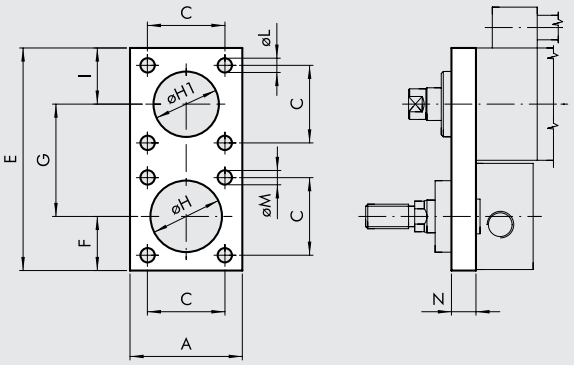
W 1 7 0	1	0	1	0300	L
				STROKE	
W170 BRK hydraulic brake	**0** Regulation **1** Regulation + SKIP **2** Regulation + STOP **3** Regulation + SKIP + STOP	**0** Extension **1** Retraction **2** Extension and retraction	**1** No valve or NO **2** NC ***3** + STOP NO in extension ***4** + STOP NC in extension ***5** + STOP NO in retraction ***6** + STOP NC in retraction **▲A** + SKIP NO in extension **▲B** + SKIP NC in extension **▲C** + SKIP NO in retraction **▲D** + SKIP NC in retraction	Enter the desired stroke in four digits (e.g. 0500 for stroke 500)	_ Ø 40 ● **L** Ø 40 In-line tank **63** Ø 63 ● **63L** Ø 63 In-line tank

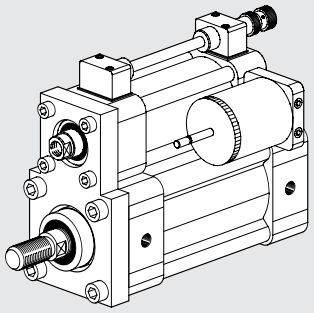
● Only for versions with piston rod regulation in extension
* In combination with regulation in extension/retraction or regulation + SKIP in extension/retraction
▲ In combination with regulation in extension/retraction

NOTES

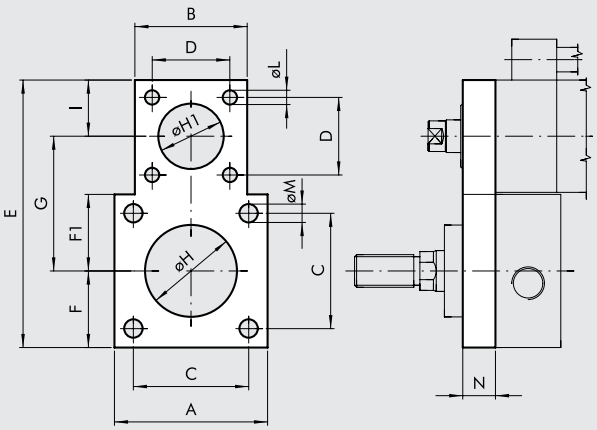
FLANGE FOR MOUNTING HYDRAULIC BRAKE Ø 40 WITH ISO 15552 CYLINDER

Ø 40





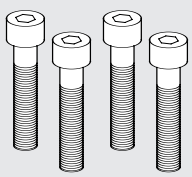
Ø 50-63-80-100



Code	Ø	A	B	C	D	E	F	F1	G	ØH	ØH1	I	ØL	ØM	N	Weight [g]
W0950402012	**40**	55	-	38	38	109	26.5	-	55	35	32	27.5	7	7	12	418
W0950502012	**50**	65	55	46.5	38	121	32.5	32.5	61	40	32	27.5	7	9	12	540
W0950632012	**63**	75	55	56.5	38	131	37.5	37.5	66	45	32	27.5	7	9	15	792
W0950802012	**80**	95	55	72	38	151	47.5	47.5	76	45	32	27.5	7	11	15	1216
W0951002012	**100**	112	55	89	38	168	56	56	84.5	55	32	27.5	7	11	15	1535

Note: 1 pc. per pack complete with 4+4 screws

FLANGE SCREW KIT FOR HYDRAULIC BRAKE Ø 40



Code	Description	Weight [g]
W0950402111	Kit BRK-P/C-040	58
W0950502111	Kit BRK-P/C-050	93
W0950632111	Kit BRK-P/C-063	97
W0950802111	Kit BRK-P/C-080-100	151

Note: code corresponds to 4 + 4 screws