

HYDRAULIC BRAKE SERIES BRK

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.

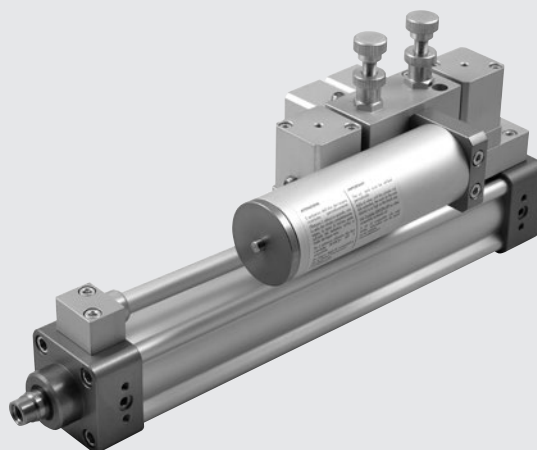
It is available in two sizes, the Ø40 and Ø63, and in different versions:

- 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. During the first few work cycles, excess oil is ejected through a hole in the tank.

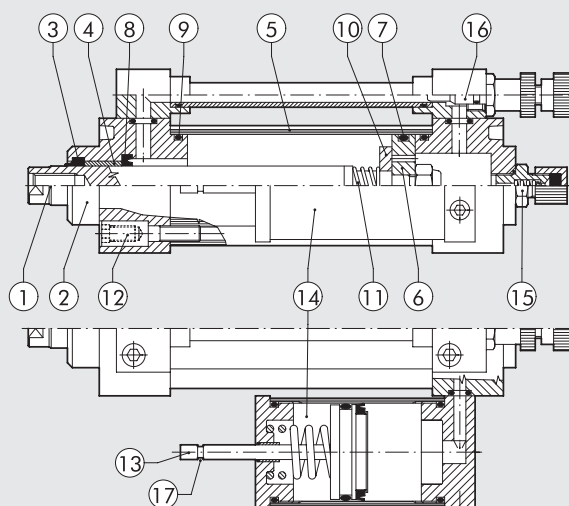
Regulation can be controlled remotely, as shown on page A4.26



TECHNICAL DATA		Ø40	Ø63
Operating temperature	°C	-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. Remote regulation. SKIP valves. STOP valves. NC or NO. Tank in-line or on the side	
Cylinder fixing		Using flange kit	-
ISO 15552 cylinders connected	mm	Ø40 to Ø100	Ø100 to Ø200

COMPONENTS

- ① PISTON ROD: thick chromed steel
- ② HEADS: anodized aluminium alloy
- ③ PISTON ROD GASKET: NBR rubber
- ④ PISTON ROD GUIDE BUSHING: steel strip with bronze and PTFE insert
- ⑤ JACKET: drawn anodized 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



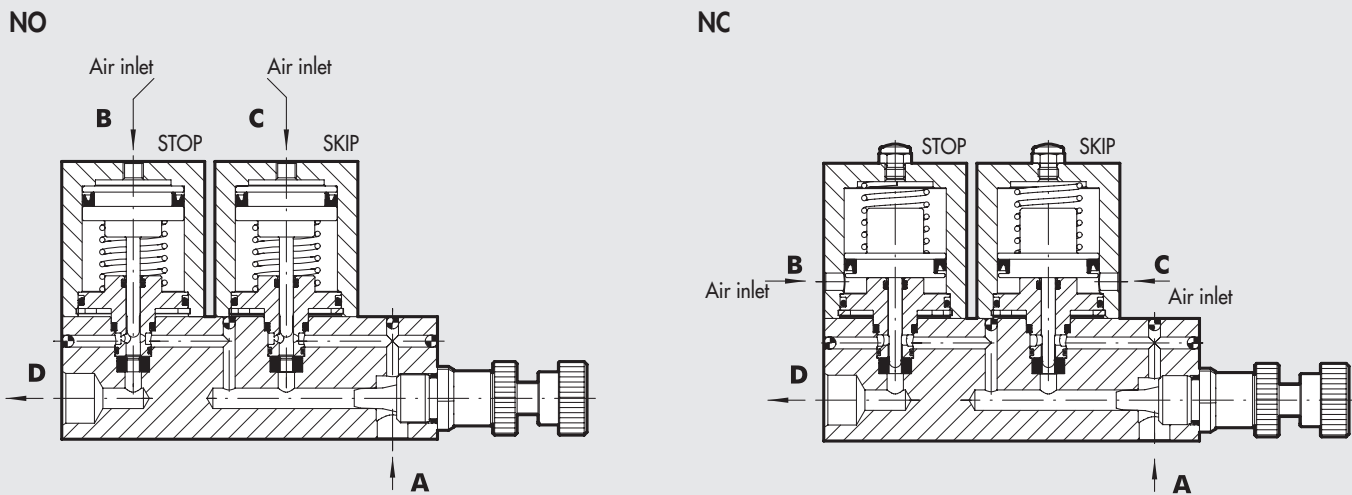
SPEED

The table indicates the maximum speed that can be reached by a pneumatic cylinder, without external loads, fed at a pressure of 6 bar and coupled to the BRK brake. Valves measured at a temperature of 20 °C. As the ambient temperature increases, the speed also increases and vice versa.

Type	Ø40							Ø63					
	Code Hydraulic brake	Piston rod direction	Maximum speed at 6 bar [m/min]					Code Hydraulic brake	Piston rod direction	Maximum speed at 6 bar [m/min]			
			Ø 40	Ø 50	Ø 63	Ø 80	Ø 100			Ø 40	Ø 50	Ø 63	Ø 80
Regulation in extension	W170001	Extension	23	28	33	39	42	W170001 63	Extension	13	14	17.5	13
		Retraction	•	•	•	•	•		Retraction	•	•	•	•
Regulation in extension, in-line tank	W170001 L	Extension	23	28	33	39	42	W170001 63L	Extension	13	14	17.5	13
		Retraction	•	•	•	•	•		Retraction	•	•	•	•
Regulation in retraction	W170011	Extension	•	•	•	•	•	W170011 63	Extension	•	•	•	•
		Retraction	13	20	24	29	33		Retraction	13	14	17.5	13
Regulation in extension/retraction	W170021	Extension	15	18	21	26	31	W170021 63	Extension	9	12	13.5	12
		Retraction	9.5	13	15.5	18	24		Retraction	8.5	10	12	11
Regulation in extension + SKIP valve	W170101 W170102	Extension	8	10	12	16	20	W170101 63 W170102 63	Extension	13	14	17.5	13
		Retraction	•	•	•	•	•		Retraction	•	•	•	•
Regulation in extension + STOP valve	W170201 W170202	Extension	6	8	9	12	14	W170201 63 W170202 63	Extension	3.5	4.5	6	6.5
		Retraction	•	•	•	•	•		Retraction	•	•	•	•
Regulation in extension + SKIP valve, in-line tank	W170101 L W170102 L	Extension	8	10	12	16	20	W170101 63L W170102 63L	Extension	13	14	17.5	13
		Retraction	•	•	•	•	•		Retraction	•	•	•	•
Regulation in extension + STOP valve, in-line tank	W170201 L W170202 L	Extension	6	8	9	12	14	W170201 63L W170202 63L	Extension	3.5	4.5	6	6.5
		Retraction	•	•	•	•	•		Retraction	•	•	•	•
Regulation in retraction + SKIP valve	W170111 W170112	Extension	•	•	•	•	•	W170111 63 W170112 63	Extension	•	•	•	•
		Retraction	14	18	21	26	30		Retraction	5	6	7.5	8
Regulation in retraction + STOP valve	W170211 W170212	Extension	•	•	•	•	•	W170211 63 W170212 63	Extension	•	•	•	•
		Retraction	4	5	6	8.5	10		Retraction	3.5	4.5	6	7
Regulation in extension + SKIP/STOP valves	W170301 W170302	Extension	4.5	6	7.5	10	12	W170301 63 W170302 63	Extension	3	3.5	4.5	5.5
		Retraction	•	•	•	•	•		Retraction	•	•	•	•
Regulation in extension + SKIP/STOP valves, in-line tank	W170301 L W170302 L	Extension	4.5	6	7.5	10	12	W170301 63L W170302 63L	Extension	3	3.5	4.5	5.5
		Retraction	•	•	•	•	•		Retraction	•	•	•	•
Regulation in retraction + SKIP/STOP valves	W170311 W170312	Extension	•	•	•	•	•	W170311 63 W170312 63	Extension	•	•	•	•
		Retraction	4	4.5	6	8.5	10		Retraction	3.5	4	5	5.5
Regulation in extension/retraction + extension SKIP valve	W17002A W17002B	Extension	18.5	22	27.5	33	41	W17002A 63 W17002B 63	Extension	11	15	17	17
		Retraction	11.5	16	19	21.5	30		Retraction	10.5	12.5	14.5	14.5
Regulation in extension/retraction + retraction SKIP valve	W17002C W17002D	Extension	18.5	22	27.5	33	41	W17002C 63 W17002D 63	Extension	11	15	17	17
		Retraction	11.5	16	19	21.5	30		Retraction	10.5	12.5	14.5	14.5
Regulation in extension/retraction + extension STOP valve	W170023 W170024	Extension	7	8	10	13	16.5	W170023 63 W170024 63	Extension	3.5	4.5	5.5	7
		Retraction	12	14	17	21	26		Retraction	8.5	10	12	11
Regulation in extension/retraction + retraction STOP valve	W170025 W170026	Extension	15	18	22	28	40	W170025 63 W170026 63	Extension	9	12	13.5	12
		Retraction	4	5.5	6.5	9	12		Retraction	3	4	5	6
Regulation in extension/retraction + dual STOP valve	W170221 W170222	Extension	5.5	7	9	12	16.5	W170221 63 W170222 63	Extension	3.5	4.5	5.5	7
		Retraction	4	5	6.5	8.5	11.5		Retraction	3	4	5	6
Regulation in extension/retraction + dual SKIP valve	W170121 W170122	Extension	18.5	22	27.5	33	41	W170121 63 W170122 63	Extension	11	15	17	17
		Retraction	11.5	16	19	21.5	30		Retraction	10.5	12.5	14.5	14.5
Regulation in extension/retraction + dual SKIP valve + extension STOP valve	W170123 W170124	Extension	7	8	10	13	16.5	W170123 63 W170124 63	Extension	3.5	4.5	5.5	7
		Retraction	12	14	17	21	26		Retraction	8.5	10	12	11
Regulation in extension/retraction + dual SKIP valve + retraction STOP valve	W170125 W170126	Extension	15	18	22	28	40	W170125 63 W170126 63	Extension	9	12	13.5	12
		Retraction	4	5.5	6.5	9	12		Retraction	3	4	5	6
Regulation in extension/retraction + dual SKIP valve + dual STOP valve	W170321 W170322	Extension	6	8	10	13	16.5	W170321 63 W170322 63	Extension	4	5	6	7.5
		Retraction	4	5	6.5	8.5	11.5		Retraction	4	5	6	7

• = the brake does not affect the speed of the pneumatic cylinder.

SKIP-STOP APPLICATION WITH VALVES



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

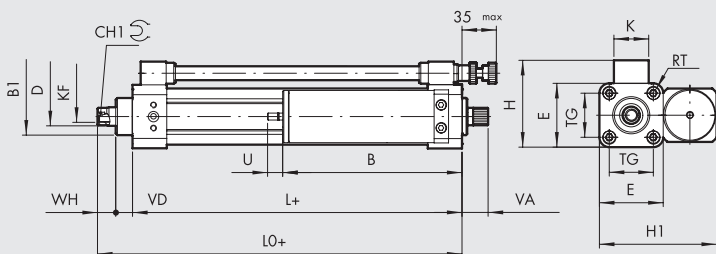
HYDRAULIC BRAKE WITH REGULATION IN PISTON ROD EXTENSION



Symbol	Code	Ø
	W170001____	40
	W170001____63	63

____ = Enter the stroke

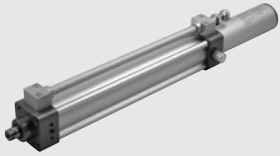
Weight [g]
 Ø40: For stroke 0 mm = 1340 g / Each mm = 4.2 g
 Ø63: For stroke 0 mm = 2340 g / Each mm = 8.7 g



+ = ADD THE STROKE

Ø	B1	CH1	D	E	H	H1	K	KF	L	LO	RT	TG	VA	VD	WH	B		U max		
																Ø40	Ø63	Ø40	Ø63	
40	32	13	16	55	75	101	30	M10	84	114	M6	38	22.5	14.5	15.5	1 - 50	109	133	23	28
63	45	19	22	75	100	131	35	M16	96	126.5	M8	56.5	22.5	15	15.5	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



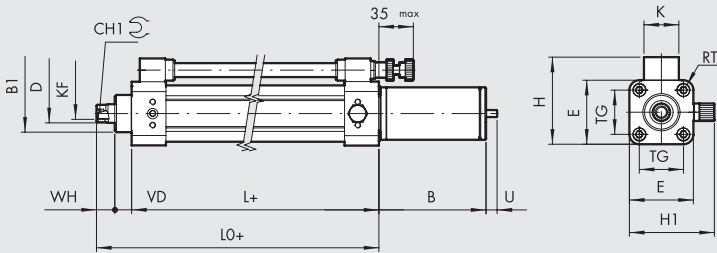
Symbol	Code	Ø
	W170001___L	40
	W170001___63L	63

___ = 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

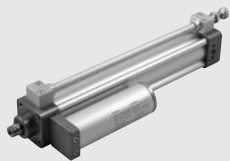


+ = ADD THE STROKE

Ø	B1	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		U max	
	Ø40	Ø63	Ø40	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



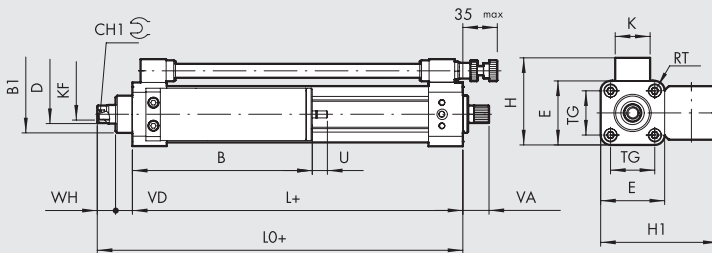
Symbol	Code	Ø
	W170011___	40
	W170011___63	63

___ = 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

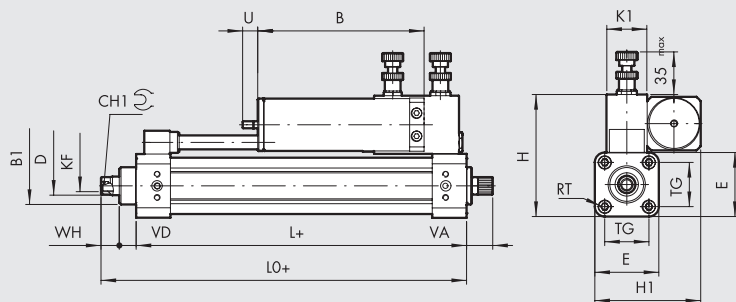


+ = ADD THE STROKE

Ø	B1	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		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 PISTON ROD EXTENSION/RETRACTION



+ = ADD THE STROKE

Symbol	Code	Ø
	W170021 ____	40
	W170021 ____ 63	63

____ = Enter the stroke

Weight [g]

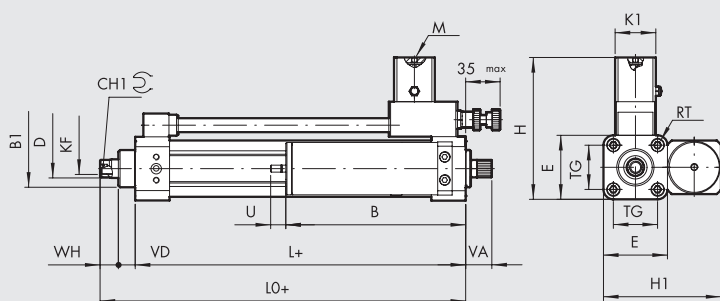
Ø40: For stroke 0 mm = 1710 g / Each mm = 4.2 g

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

Ø	B1	CH1	D	E	H	H1	K1	KF	L	LO	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		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 + 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]

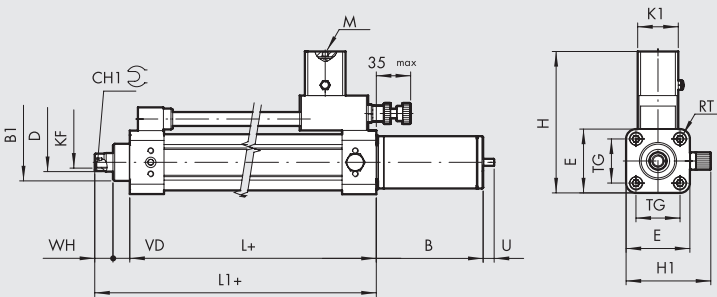
Ø40: For stroke 0 mm = 1555 g / Each mm = 4.2 g

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

Ø	B1	CH1	D	E	H	H1	K1	KF	L	LO	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 + 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

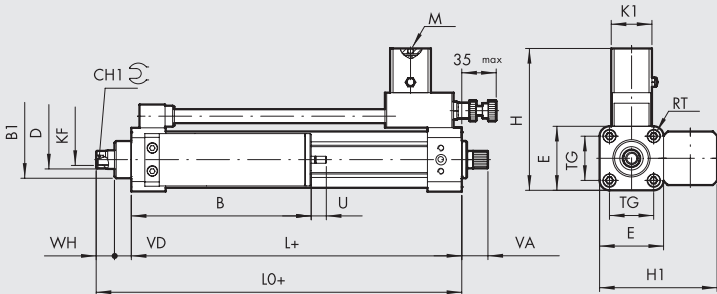
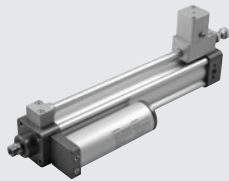
Weight [g]

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	B1	CH1	D	E	H	H1	K1	KF	L	LO	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		U max	
	Ø40	Ø63	Ø40	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

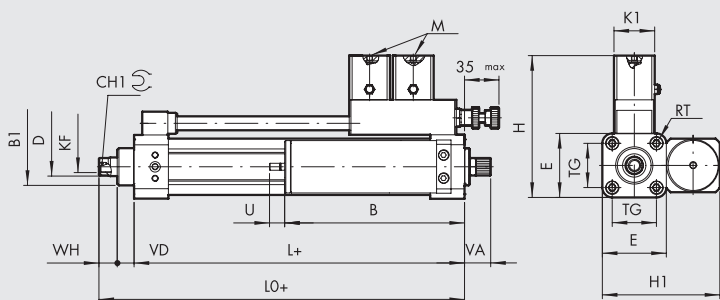
Weight [g]

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	B1	CH1	D	E	H	H1	K1	KF	L	LO	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 + 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

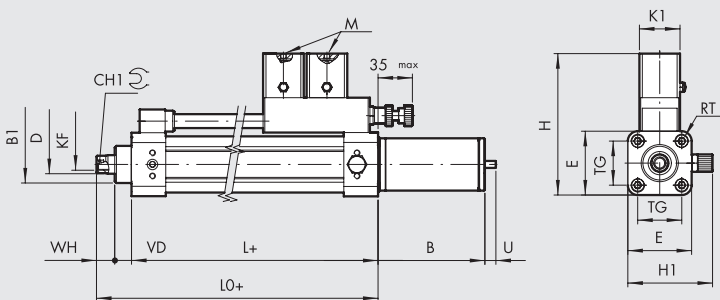
____ = Enter the stroke

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	B1	CH1	D	E	H	H1	K1	KF	L	LO	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 + 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

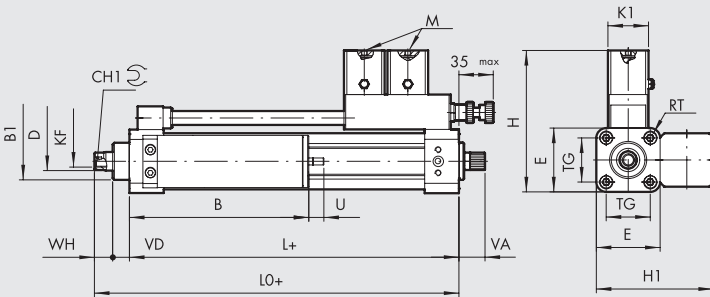
____ = Enter the stroke

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	B1	CH1	D	E	H	H1	K1	KF	L	LO	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		U max	
	Ø40	Ø63	Ø40	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

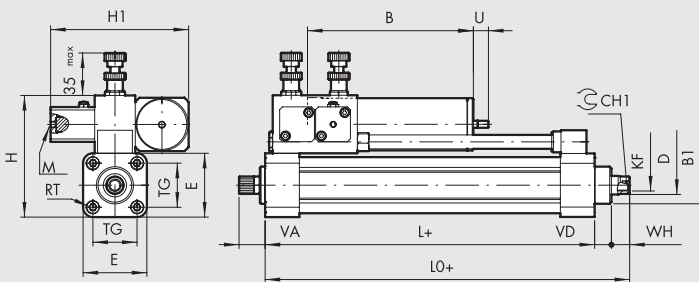
Symbol	Code	Ø	Valve
	W170311 ____	40	SKIP/STOP NO
	W170311 ____ 63	63	SKIP/STOP NO
	W170312 ____	40	SKIP/STOP NC
	W170312 ____ 63	63	SKIP/STOP NC

____ = 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	B1	CH1	D	E	H	H1	K1	KF	L	LO	M	RT	TG	VA	VD	WH	B		U max		
																	Ø40	Ø63	Ø40	Ø63	
40	32	13	16	55	123	101	35	M10	84	114	M5	M6	38	22.5	14.5	15.5	109	133	23	28	
63	45	19	22	75	143	131	35	M16	96	126.5	M5	M8	56.5	22.5	15	15.5	129	158	39	47	
																		154	178	55	67
																		174	228	71	86
																		204	248	87	105
																		229	273	95	124

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



+ = ADD THE STROKE

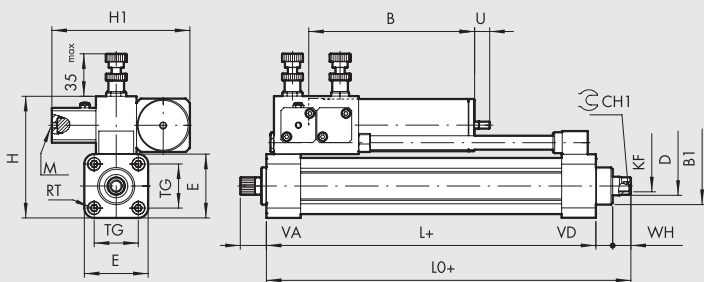
Symbol	Code	Ø	Valve
	W17002A ____	40	SKIP NO
	W17002A ____ 63	63	SKIP NO
	W17002B ____	40	SKIP NC
	W17002B ____ 63	63	SKIP NC

____ = 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	B1	CH1	D	E	H	H1	KF	L	LO	M	RT	TG	VA	VD	WH	B		U max		
																Ø40	Ø63	Ø40	Ø63	
40	32	13	16	55	105	119	M10	84	114	M5	M6	38	22.5	14.5	15.5	98	122	23	28	
63	45	19	22	75	135	129	M16	96	126.5	M5	M8	56.5	22.5	15	15.5	118	147	39	47	
																	143	167	55	67
																	163	217	71	86
																	193	237	87	105
																	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]

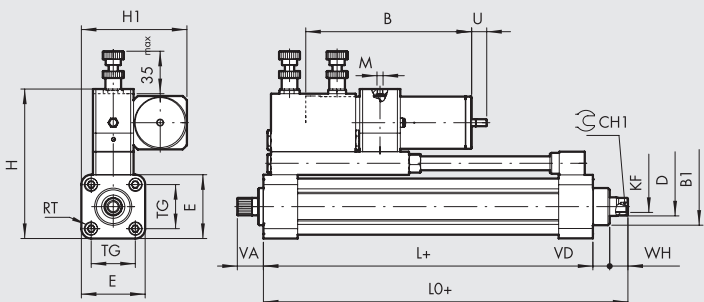
Ø40: For stroke 0 mm = 1850 g / Each mm = 4.2 g

Ø63: For stroke 0 mm = 2910 g / Each mm = 8.7 g

Ø	B1	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 + 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]

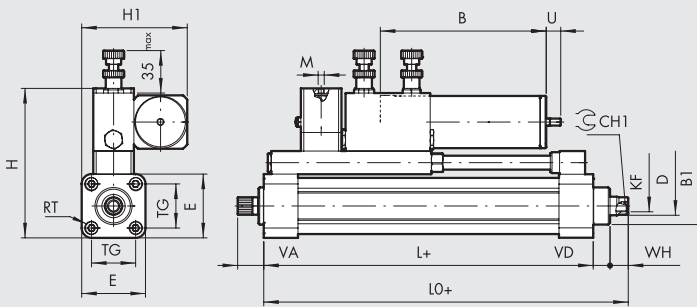
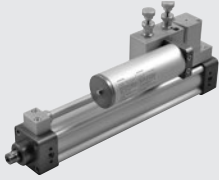
Ø40: For stroke 0 mm = 1990 g / Each mm = 4.2 g

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

Ø	B1	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	160	111	M16	96	126.5	M5	M8	56.5	22.5	15	15.5

Stroke	B		U max	
	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 + 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

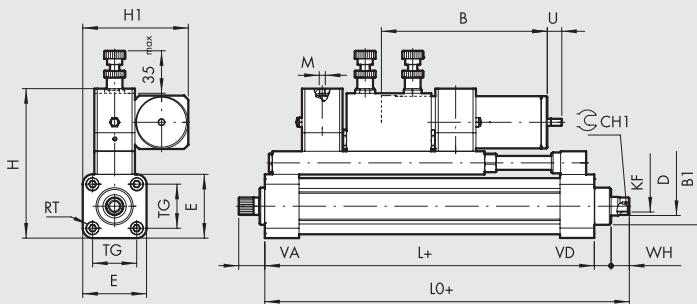
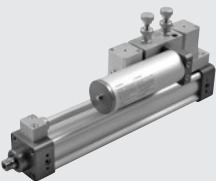
____ = Enter the stroke
Note: Minimum stroke 100 mm

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	B1	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	160	111	M16	96	126.5	M5	M8	56.5	22.5	15	15.5

Stroke	B		U max	
	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

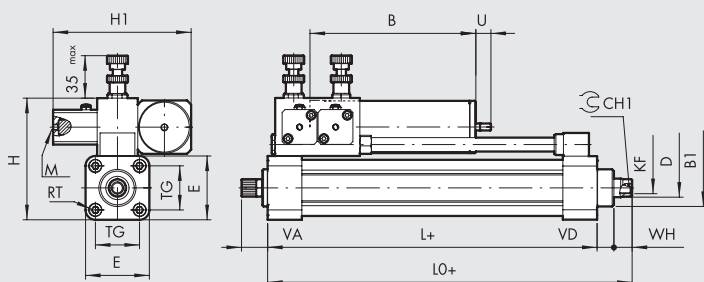
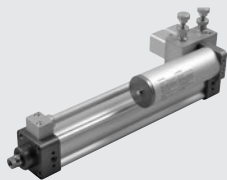
____ = Enter the stroke
Note: Minimum stroke 150 mm

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	B1	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	160	111	M16	96	126.5	M5	M8	56.5	22.5	15	15.5

Stroke	B		U max	
	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

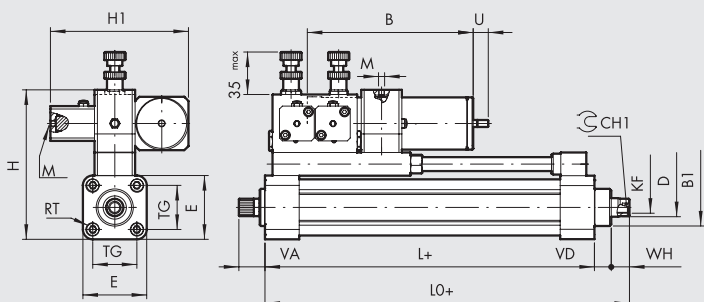
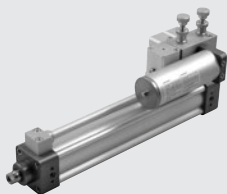
____ = Enter the stroke

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	B1	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 + 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

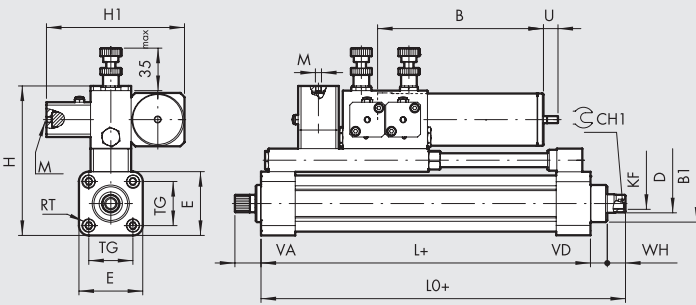
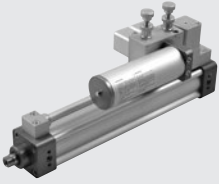
Note: Minimum stroke 100 mm

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	B1	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	160	129	M16	96	126.5	M5	M8	56.5	22.5	15	15.5

Stroke	B		U max	
	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

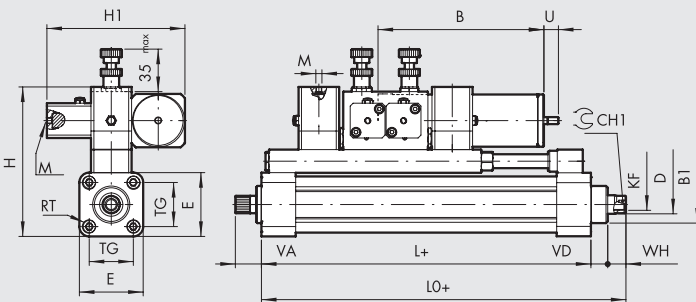
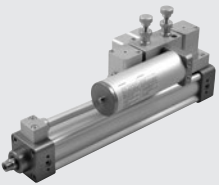
____ = Enter the stroke
Note: Minimum stroke 100 mm

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	B1	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	160	129	M16	96	126.5	M5	M8	56.5	22.5	15	15.5

Stroke	B		U max	
	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 + 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

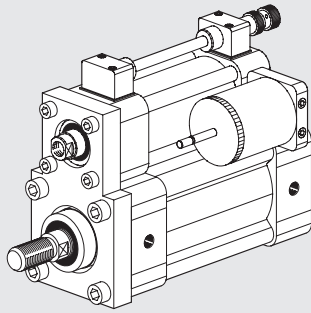
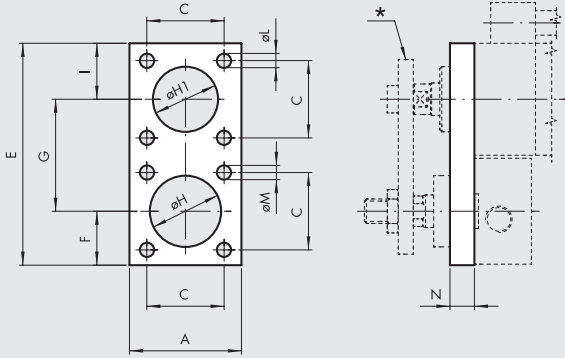
Ø	B1	CH1	D	E	H	H1	KF	L	L0	M	RT	TG	VA	VD	WH
40	32	13	16	55	129	119	M10	84	114	M5	M6	38	22.5	14.5	15.5
63	45	19	22	75	160	129	M16	96	126.5	M5	M8	56.5	22.5	15	15.5

Stroke	B		U max	
	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

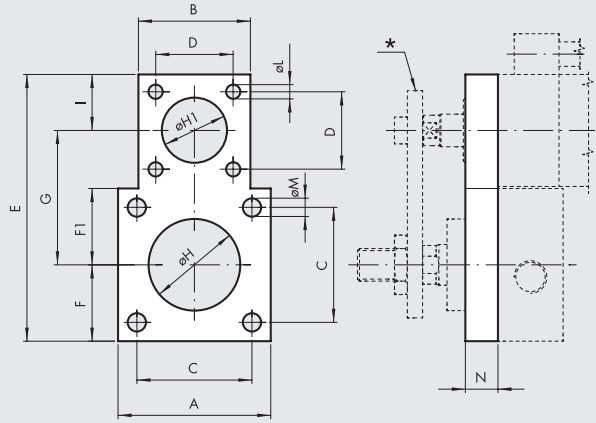
ACCESSORIES

FLANGE FOR MOUNTING HYDRAULIC BRAKE Ø 40 WITH ISO 15552 CYLINDER

Ø 40



Ø 50-63-80-100



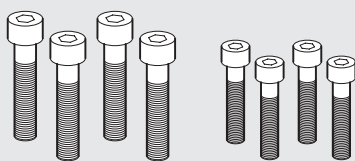
* Piston rod connection plate.

Depending on the cylinder size and operating pressure, it may be necessary for the plate connecting the two piston rods to be guided externally in order to withstand the bending moment due to braking. The table shows the minimum pressure "p", above which it is advisable to guide the plate.

Code	Ø	A	B	C	D	E	F	F1	G	ØH	ØH1	I	ØL	ØM	N	Weight [g]	p min [bar]
W0950402012	40	55	-	38	38	109	26.5	-	55	35	32	27.5	7	7	12	418	10
W0950502012	50	65	55	46.5	38	121	32.5	32.5	61	40	32	27.5	7	9	12	540	10
W0950632012	63	75	55	56.5	38	131	37.5	37.5	66	45	32	27.5	7	9	15	792	6
W0950802012	80	95	55	72	38	151	47.5	47.5	76	45	32	27.5	7	11	15	1216	3
W0951002012	100	112	55	89	38	168	56	56	84.5	55	32	27.5	7	11	15	1535	2

Note: 1 pc. per pack complete with 8 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 8 screws