

GRIPPERS

Parallel grippers for large strokes piston diameter 10-20 mm

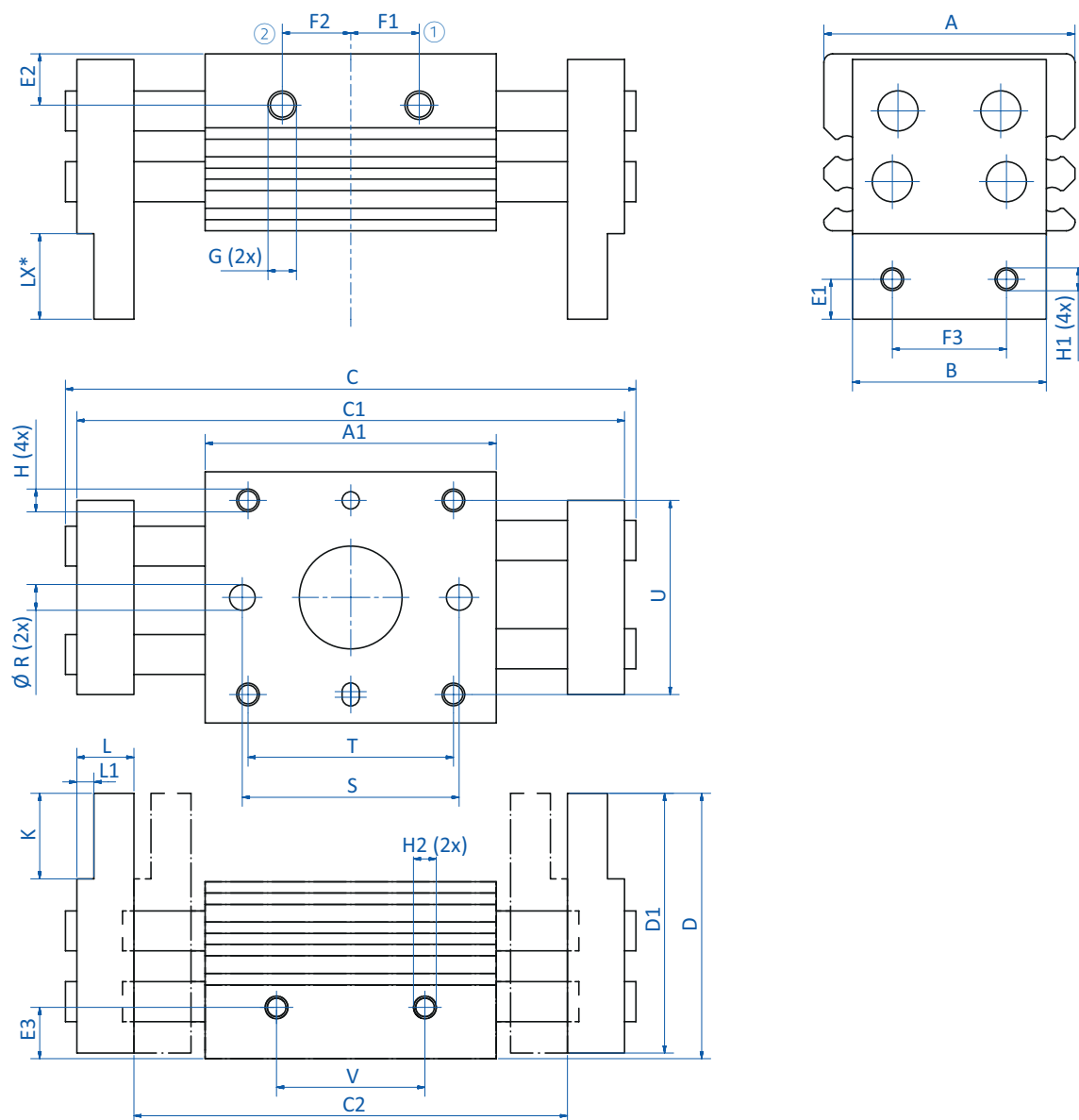


Product notes:

- Gripper for large strokes for handling large parts
- Double-acting for inside/outside gripping and short duty cycles
- Body and jaws made of high-strength aluminum alloy
- Sensors for monitoring gripper action via piston position optionally available
- Medium: filtered and oiled/unooled air
- PNP and NPN sensors:
 - C-slot (straight) for sensors: K87704054, K87704074
 - C-slot (90° angle) for sensors: K87704063, K87704089
 - C-slot (straight, short design) for sensors: K87704064, K87704092

Order No.	Operating pressure [bar (psi)]	Piston diameter [mm]	Stroke per gripper jaw [mm]	Closing force at 6 bar (87 psi) [N]	Operating temperature [°C (°F)]	Weight [g]	Suitable sensors
K87703843	1.5 - 6 (21.8 - 87)	10	10	22	-5 - 70 (23 - 158)	280	K87704054 K87704074 K87704063 K87704089 K87704064 K87704092
K87703869		10	20	22		350	
K87703884		10	30	22		430	
K87703867	1 - 6 (14.5 - 87)	16	15	60		600	
K87703871		16	30	60		800	
K87703879		16	40	60		950	
K87703875		20	20	100		1,000	
K87703891		20	40	100		1,500	
K87703882		20	50	100		1,700	

Dimensions



* = LX: Distance gripper jaws – workpiece a = Compressed air supply (open) b = Compressed air supply (close)

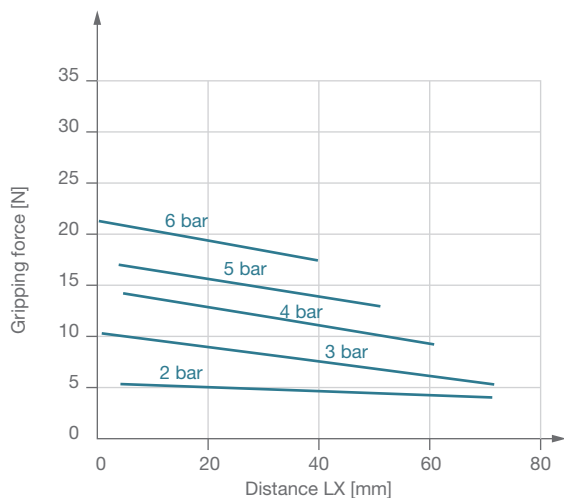
Dimensions

Order No.	A [mm]	A1 [mm]	B [mm]	C [mm]	C1 [mm]	C2 [mm]	D [mm]	D1 [mm]	E1 [mm]	E2 [mm]	E3 [mm]	F1 [mm]	F2 [mm]
K87703843	44	51	34	100	96	76	46	45.5	7	9	9	11.5	11.5
K87703869	44	67	34	142	138	98	46	45.5	7	9	9	19.5	19.5
K87703884	44	85	34	180	176	116	46	45.5	7	9	9	28.5	28.5
K87703867	55	60	43	128	124	94	58	57.5	8	10	10	13	13
K87703871	55	90	43	200	196	136	58	57.5	8	10	10	25	25
K87703879	55	110	43	240	236	156	58	57.5	8	10	10	35	35
K87703875	65	71	54	160	156	116	70	69	10	11	11	16	16
K87703891	65	113	54	260	256	176	70	69	10	11	11	34	34
K87703882	65	133	54	300	296	196	70	69	10	11	11	44	44

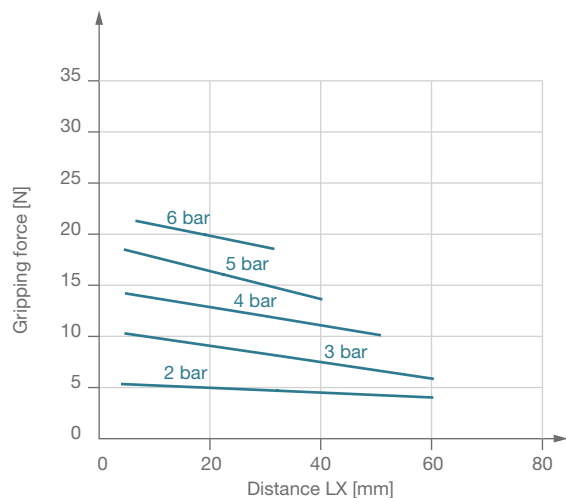
Order No.	F3 [mm]	G	H	H1	H2	K [mm]	L [mm]	L1 [mm]	Ø R [mm]	S [mm]	T [mm]	U [mm]	V [mm]
K87703843	20	M5	M4	M4	M4	15	10	3	4.5	38	36	34	26
K87703869	20	M5	M4	M4	M4	15	10	3	4.5	54	52	34	42
K87703884	20	M5	M4	M4	M4	15	10	3	4.5	72	70	34	60
K87703867	25	M5	M5	M5	M5	19	13	4	5.5	40	45	42	28
K87703871	25	M5	M5	M5	M5	19	13	4	5.5	70	75	42	58
K87703879	25	M5	M5	M5	M5	19	13	4	5.5	90	95	42	78
K87703875	30	M5	M6	M6	M6	24	17	4.5	6.6	54	58	52	38
K87703891	30	M5	M6	M6	M6	24	17	4.5	6.6	96	100	52	80
K87703882	30	M5	M6	M6	M6	24	17	4.5	6.6	116	120	52	100

Diagrams

- Gripping force piston diameter 10 mm – standard version



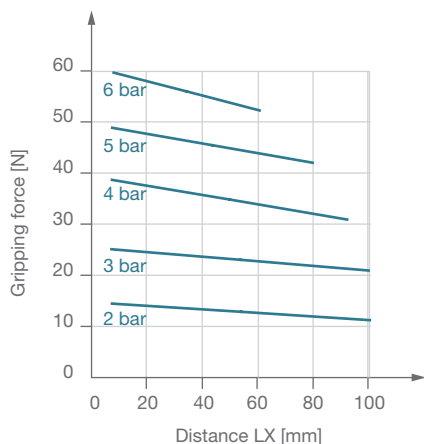
- Gripping force piston diameter 10 mm – versions 1 & 2



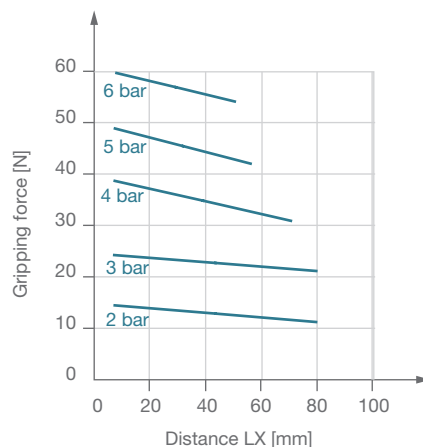
* = LX distance to gripping point

Diagrams

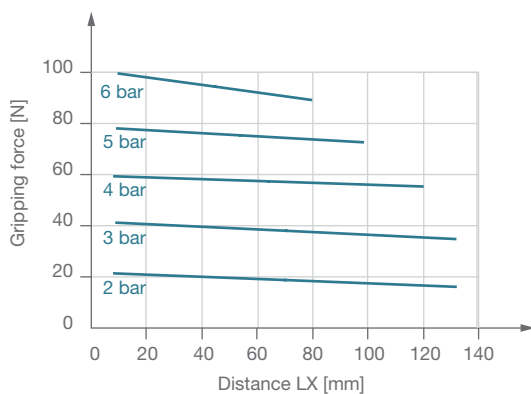
- Gripping force piston diameter 16 mm – standard version



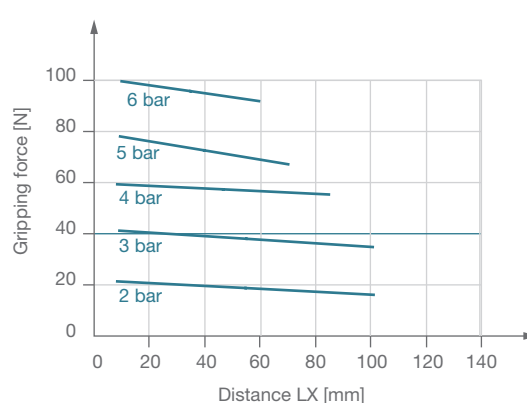
- Gripping force piston diameter 16 mm – versions 1 & 2



- Gripping force piston diameter 20 mm – standard version



- Gripping force piston diameter 20 mm – versions 1 & 2



* = LX distance to gripping point



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