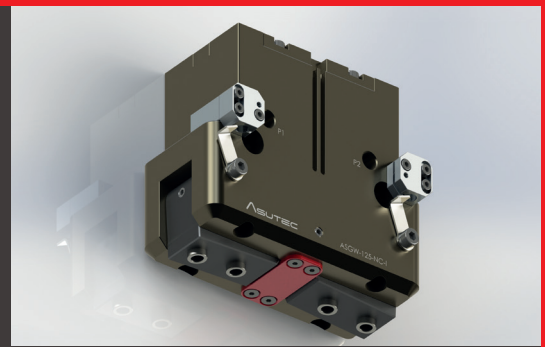
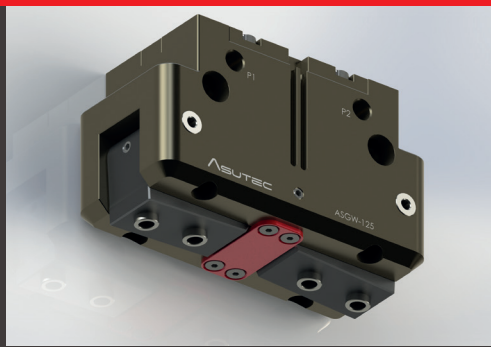
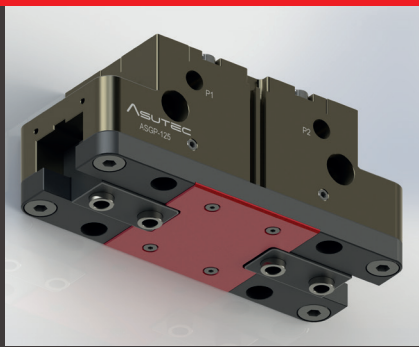


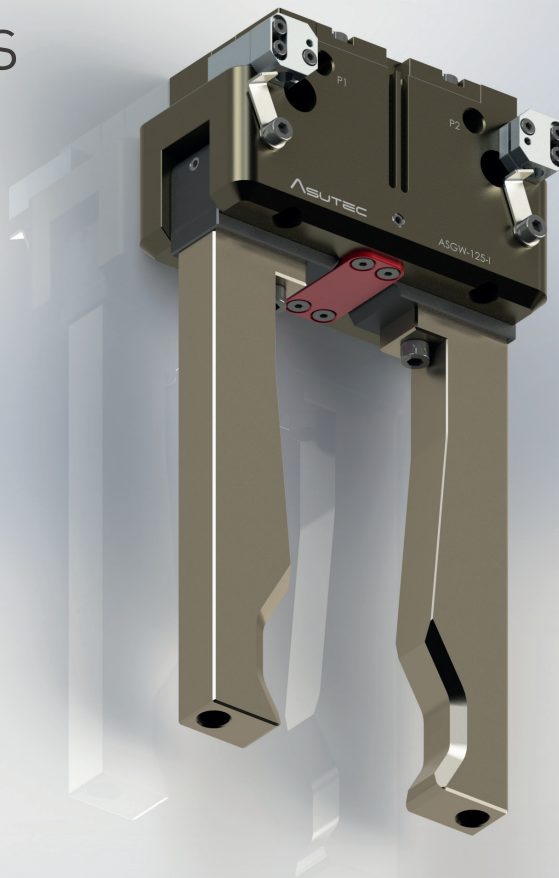


WEGE ALS ZIELE. THE JOURNEY IS THE REWARD.



ASUTEC GRIPPERS

Product overview



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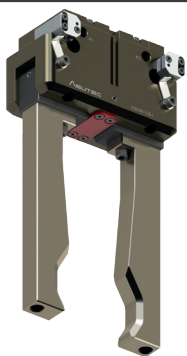
North America Representative:

Lean Factory America
816 East 3rd Street
Buchanan, MI 49107



T. 888-674-2839 (toll free in the U.S.)
T. 269-200-2512

www.leanfactoryamerica.com/contact.html
www.leanfactoryamerica.com



ASUTEC GMBH – FUNCTION AND QUALITIES WITH ENTHUSIASM

100%
Innovative

Grippers

S. 4 - 7

Parallel grippers

S. 8 - 17

Angular grippers

S. 18 - 26



WEGE ALS ZIELE. THE JOURNEY IS THE REWARD.

MAINTENANCE-FREE

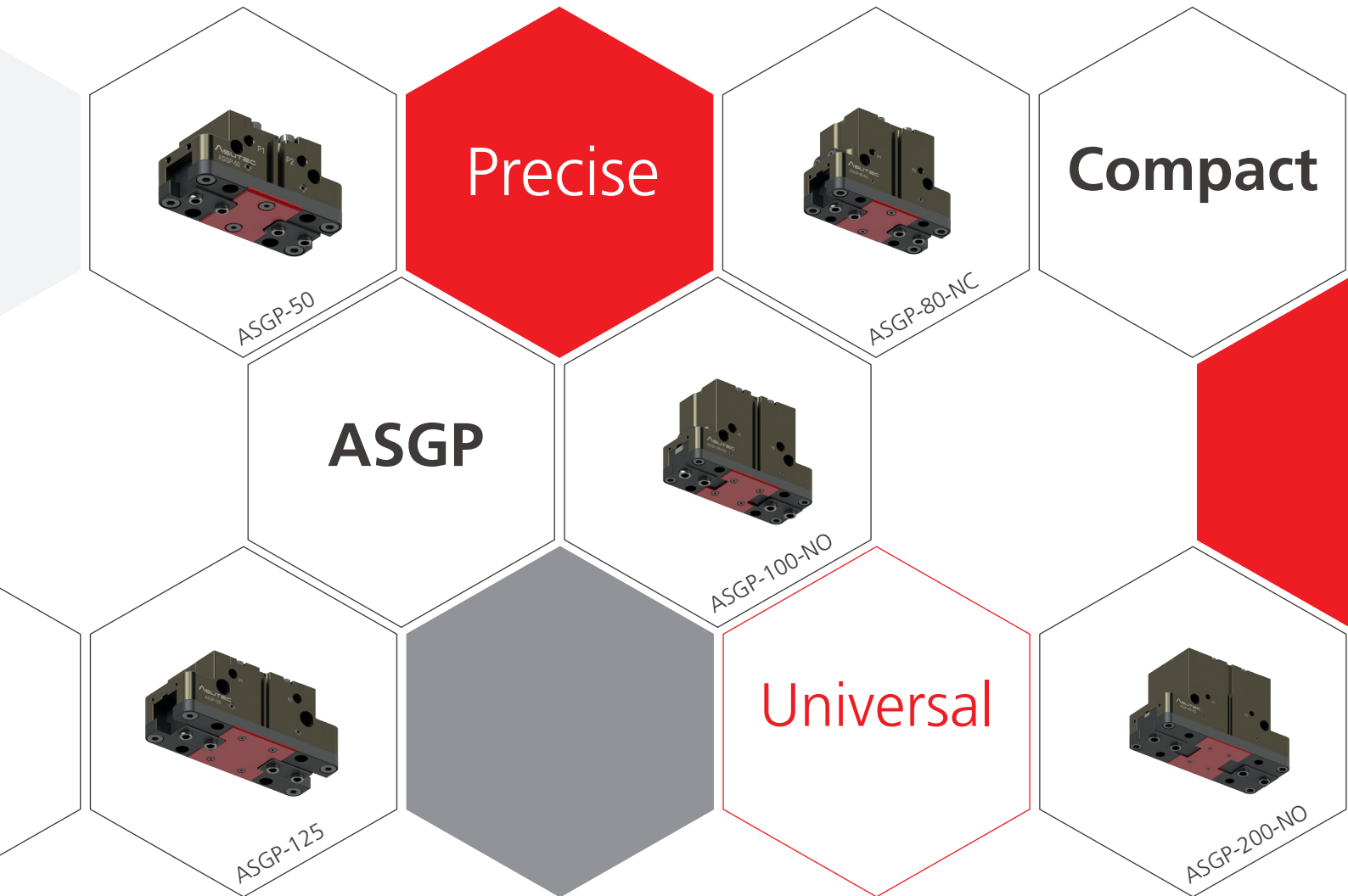


represented worldwide

**OUR
SERVICE**

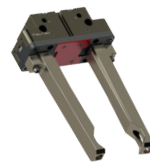
S. 27

ASUTEC GRIPPERS



BENEFITS:

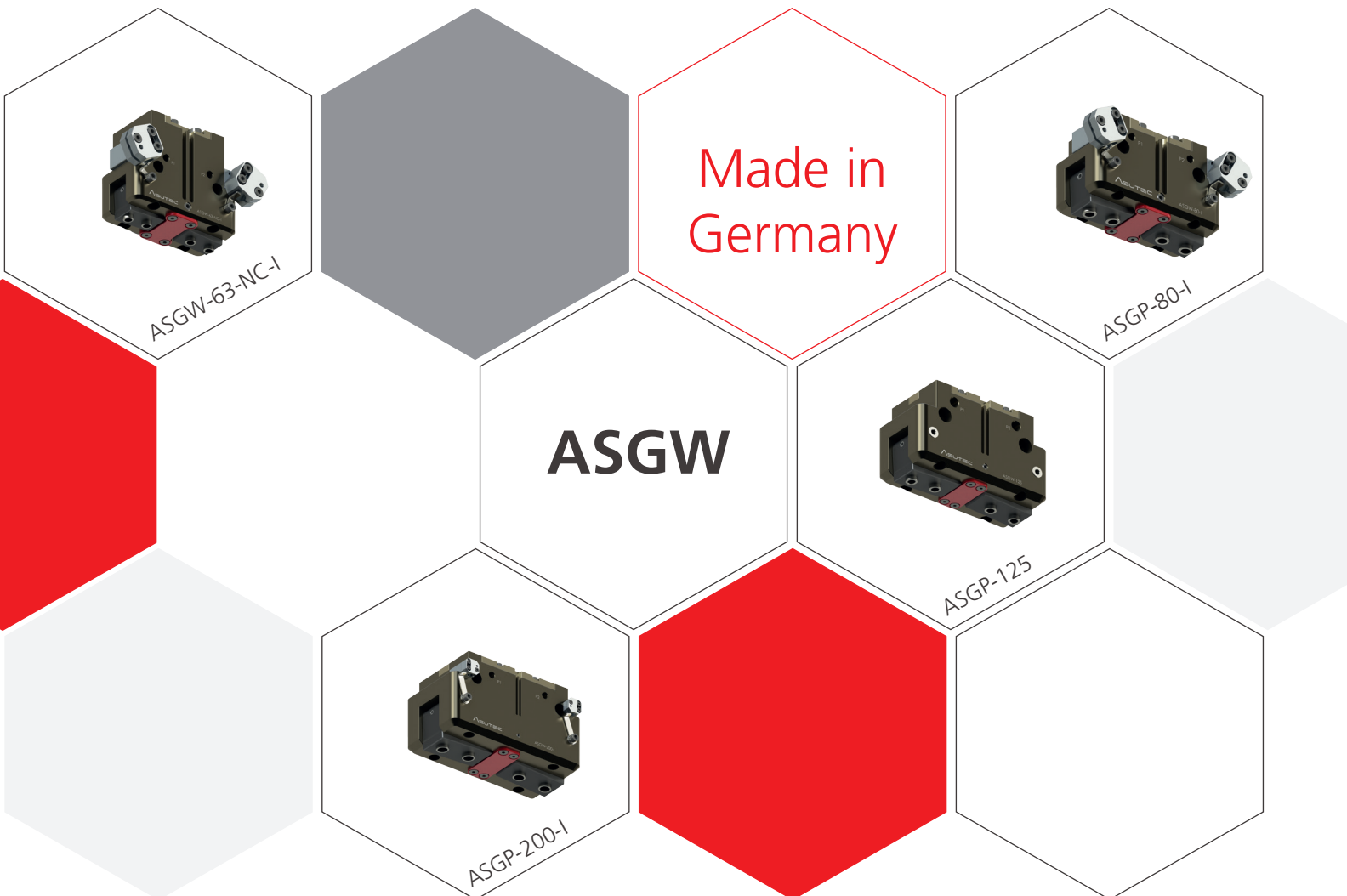
- + FOR PRECISE HANDLING
- + FOR MAXIMUM GRIPPING FORCES
- + FOR USING LONG GRIPPING FINGERS
- + COMPACT DESIGN & LIGHT WEIGHT



PARALLEL GRIPPER
SERIES - ASGP



ANGULAR GRIPPER
SERIES - ASGW

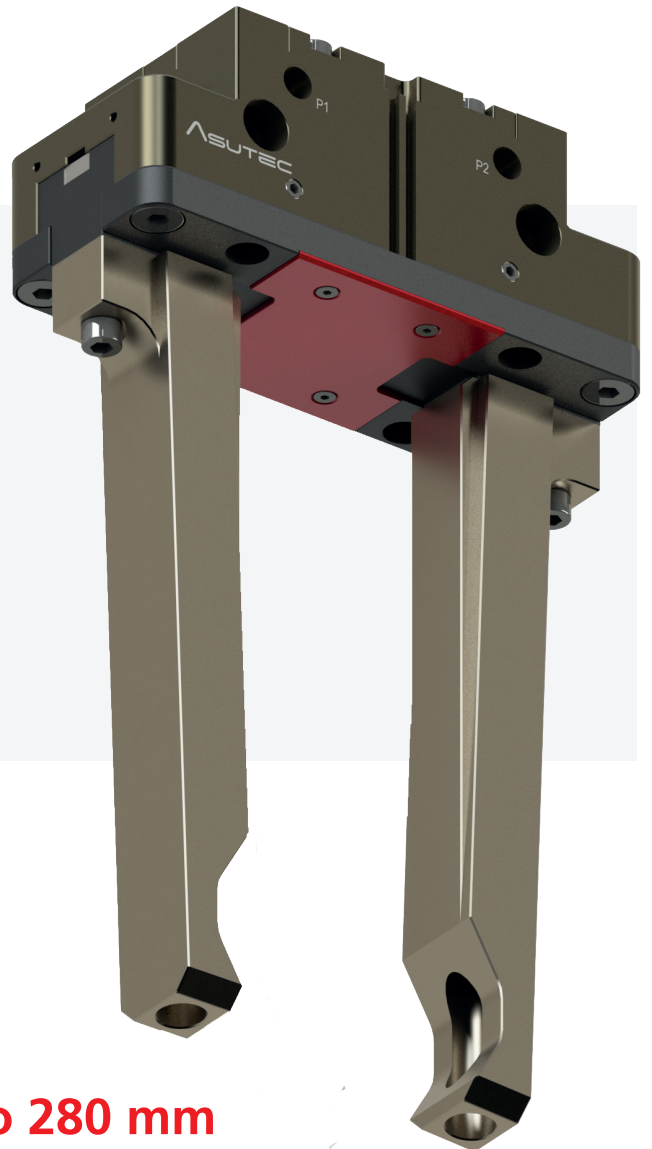


The ASUTEC grippers with two gripper jaws are ideally suited for universal gripping in numerous application areas. The use of high-strength aluminum significantly reduced the weight while achieving a high degree of stability. Due to the oval piston geometry, the largest possible piston area is achieved, which leads to maximum closing moments and gripping forces. The position of the gripping jaws can be detected by inductive sensors and magnetic field sensors (C-slot sensors).

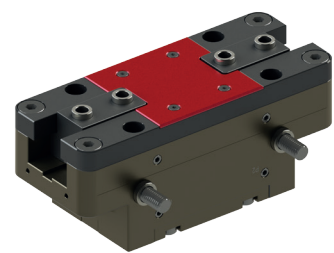
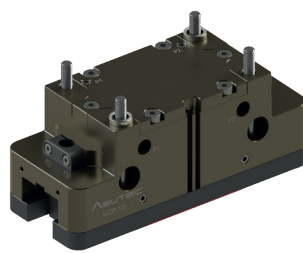
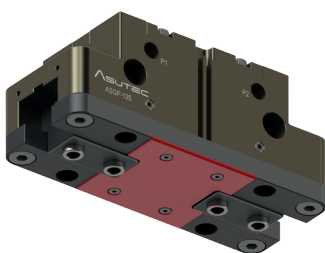
The grippers are available in many sizes with a wide range of accessories - please contact us directly.

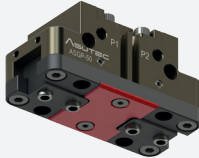
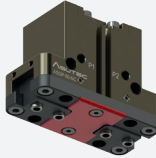
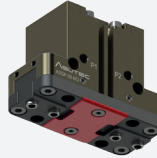
THE „UNIVERSAL“ ASUTEC 2-JAW PARALLEL GRIPPER ASGP

- + High gripping force
- + Strong kinematics
- + For using extremely long gripping fingers
- + Compact design in standardized dimensions
- + Low weight with maximum stability
- + Easy commissioning
- + Maintenance-free

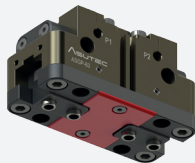
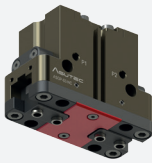
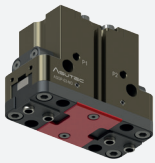


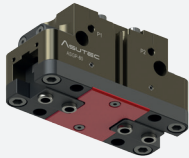
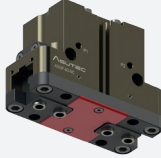
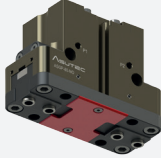
- Gripping force up to 4055 N
- Stroke per jaw up to 25 mm
- Maximum finger lengths up to 280 mm



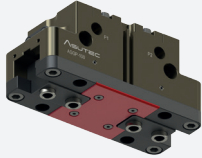
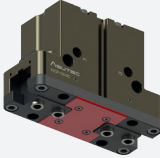
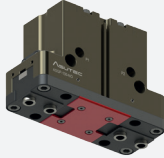
ASUTEC-DEVICE	ASGP-50	ASGP-50-NC	ASGP-50-NO
			
TECHNICAL DATA			
INTEGRATED SPRING	NO SPRING	TO CLOSE	TO OPEN
STROKE PER JAW	4 mm	4 mm	4 mm
GRIPPING FORCE CLOSING (AT 6 BAR)	156 N	204 N	-
GRIPPING FORCE OPENING (AT 6 BAR)	168 N	-	214 N
MINIMAL GRIPPING FORCE BY SPRING	(No spring)	48 N	46 N
OPERATING PRESSURE	2,5 - 8 bar	4 - 7 bar	4 - 7 bar
CYLINDER VOLUME DOUBLE STROKE	4 cm ³	10 cm ³	10 cm ³
OPERATING TEMPERATUR	0 - 80 C°	0 - 80 C°	0 - 80 C°
REPEATABILITY +/-	0,01 mm	0,01 mm	0,01 mm
MAXIMUM LENGTH OF GRIPPER FINGERS	72,5 mm	70 mm	70 mm
PERMITTED MASS PER GRIPPER FINGER	0,19 kg	0,19 kg	0,19 kg
TIME TO CLOSE	0,03 s	0,02 s	0,095 s
TIME TO OPEN	0,03 S	0,035 s	0,02 s
WEIGHT OF THE GRIPPER	0,17 kg	0,22 kg	0,22 kg
RECOMMENDED WORKPIECE WEIGHT	0,76 kg	0,76 kg	0,81 kg

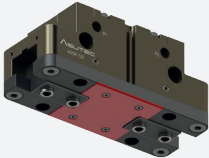
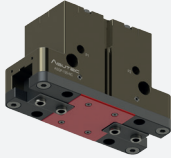
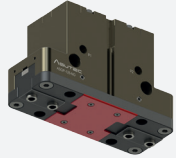
THE „UNIVERSAL“ ASUTEC 2-JAW PARALLEL GRIPPER ASGP

ASUTEC-DEVICE	ASGP-63	ASGP-63-NC	ASGP-63-NO
			
TECHNICAL DATA			
INTEGRATED SPRING	NO SPRING	TO CLOSE	TO OPEN
STROKE PER JAW	6 mm	6 mm	6 mm
GRIPPING FORCE CLOSING (AT 6 BAR)	260 N	350 N	-
GRIPPING FORCE OPENING (AT 6 BAR)	285 N	-	375 N
MINIMAL GRIPPING FORCE BY SPRING	(No spring)	90 N	90 N
OPERATING PRESSURE	2,5 - 8 bar	4 - 7 bar	4 - 7 bar
CYLINDER VOLUME DOUBLE STROKE	9,5 cm ³	20 cm ³	20 cm ³
OPERATING TEMPERATUR	0 - 80 C°	0 - 80 C°	0 - 80 C°
REPEATABILITY +/-	0,01 mm	0,01 mm	0,01 mm
MAXIMUM LENGTH OF GRIPPER FINGERS	90 mm	84 mm	84 mm
PERMITTED MASS PER GRIPPER FINGER	0,375 kg	0,375 kg	0,375 kg
TIME TO CLOSE	0,04 s	0,025 s	0,045 s
TIME TO OPEN	0,04 s	0,045 s	0,025 s
WEIGHT OF THE GRIPPER	0,29 kg	0,37 kg	0,36 kg
RECOMMENDED WORKPIECE WEIGHT	1,27 kg	1,27 kg	1,40 kg

ASUTEC-DEVICE	ASGP-80	ASGP-80-NC	ASGP-80-NO
			
TECHNICAL DATA			
INTEGRATED SPRING	NO SPRING	TO CLOSE	TO OPEN
STROKE PER JAW	8 mm	8 mm	8 mm
GRIPPING FORCE CLOSING (AT 6 BAR)	440 N	596 N	-
GRIPPING FORCE OPENING (AT 6 BAR)	475 N	-	631 N
MINIMAL GRIPPING FORCE BY SPRING	(No spring)	156 N	156 N
OPERATING PRESSURE	2,5 - 8 bar	4 - 7 bar	4 - 7 bar
CYLINDER VOLUME DOUBLE STROKE	20 cm ³	40 cm ³	40 cm ³
OPERATING TEMPERATUR	0 - 80 C°	0 - 80 C°	0 - 80 C°
REPEATABILITY +/-	0,01 mm	0,01 mm	0,01 mm
MAXIMUM LENGTH OF GRIPPER FINGERS	112 mm	105 mm	105 mm
PERMITTED MASS PER GRIPPER FINGER	0,65 kg	0,65 kg	0,65 kg
TIME TO CLOSE	0,05 s	0,035 s	0,055 s
TIME TO OPEN	0,05 s	0,055 s	0,035 s
WEIGHT OF THE GRIPPER	0,53 kg	0,65 kg	0,65 kg
RECOMMENDED WORKPIECE WEIGHT	2,15 kg	2,15 kg	2,33 kg

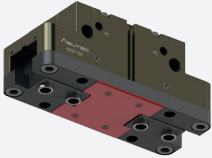
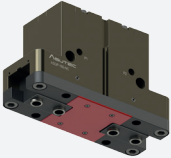
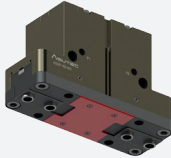
THE „UNIVERSAL“ ASUTEC 2-JAW PARALLEL GRIPPER ASGP

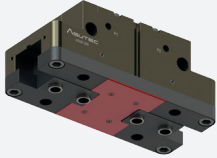
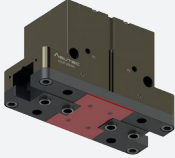
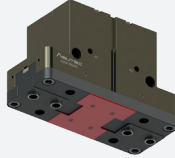
ASUTEC-DEVICE	ASGP-100	ASGP-100-NC	ASGP-100-NO
			
TECHNICAL DATA			
INTEGRATED SPRING	NO SPRING	TO CLOSE	TO OPEN
STROKE PER JAW	10 mm	10 mm	10 mm
GRIPPING FORCE CLOSING (AT 6 BAR)	730 N	970 N	-
GRIPPING FORCE OPENING (AT 6 BAR)	775 N	-	1015 N
MINIMAL GRIPPING FORCE BY SPRING	(No spring)	240 N	240 N
OPERATING PRESSURE	2,5 - 8 bar	4 - 7 bar	4 - 7 bar
CYLINDER VOLUME DOUBLE STROKE	43 cm ³	85 cm ³	85 cm ³
OPERATING TEMPERATUR	0 - 80 C°	0 - 80 C°	0 - 80 C°
REPEATABILITY +/-	0,01 mm	0,01 mm	0,01 mm
MAXIMUM LENGTH OF GRIPPER FINGERS	152 mm	140 mm	140 mm
PERMITTED MASS PER GRIPPER FINGER	1,2 kg	1,2 kg	1,2 kg
TIME TO CLOSE	0,075 s	0,06 s	0,125 s
TIME TO OPEN	0,075 s	0,125 s	0,06 s
WEIGHT OF THE GRIPPER	0,87 kg	1,14 kg	1,14 kg
RECOMMENDED WORKPIECE WEIGHT	3,58 kg	3,58 kg	3,80 kg

ASUTEC-DEVICE	ASGP-125	ASGP-125-NC	ASGP-125-NO
			
TECHNICAL DATA			
INTEGRATED SPRING	NO SPRING	TO CLOSE	TO OPEN
STROKE PER JAW	13 mm	13 mm	13 mm
GRIPPING FORCE CLOSING (AT 6 BAR)	1200 N	1600 N	-
GRIPPING FORCE OPENING (AT 6 BAR)	1250 N	-	1650 N
MINIMAL GRIPPING FORCE BY SPRING	(No spring)	400 N	400 N
OPERATING PRESSURE	2,5 - 8 bar	4 - 7 bar	4 - 7 bar
CYLINDER VOLUME DOUBLE STROKE	87 cm ³	171 cm ³	171 cm ³
OPERATING TEMPERATUR	0 - 80 C°	0 - 80 C°	0 - 80 C°
REPEATABILITY +/-	0,01 mm	0,01 mm	0,01 mm
MAXIMUM LENGTH OF GRIPPER FINGERS	187 mm	175 mm	175 mm
PERMITTED MASS PER GRIPPER FINGER	2,2 kg	2,2 kg	2,2 kg
TIME TO CLOSE	0,1 s	0,08 s	0,15 s
TIME TO OPEN	0,1 s	0,15 s	0,08 s
WEIGHT OF THE GRIPPER	1,47 kg	1,92 kg	1,91 kg
RECOMMENDED WORKPIECE WEIGHT	5,85 kg	5,85 kg	6,13 kg

THE „UNIVERSAL“

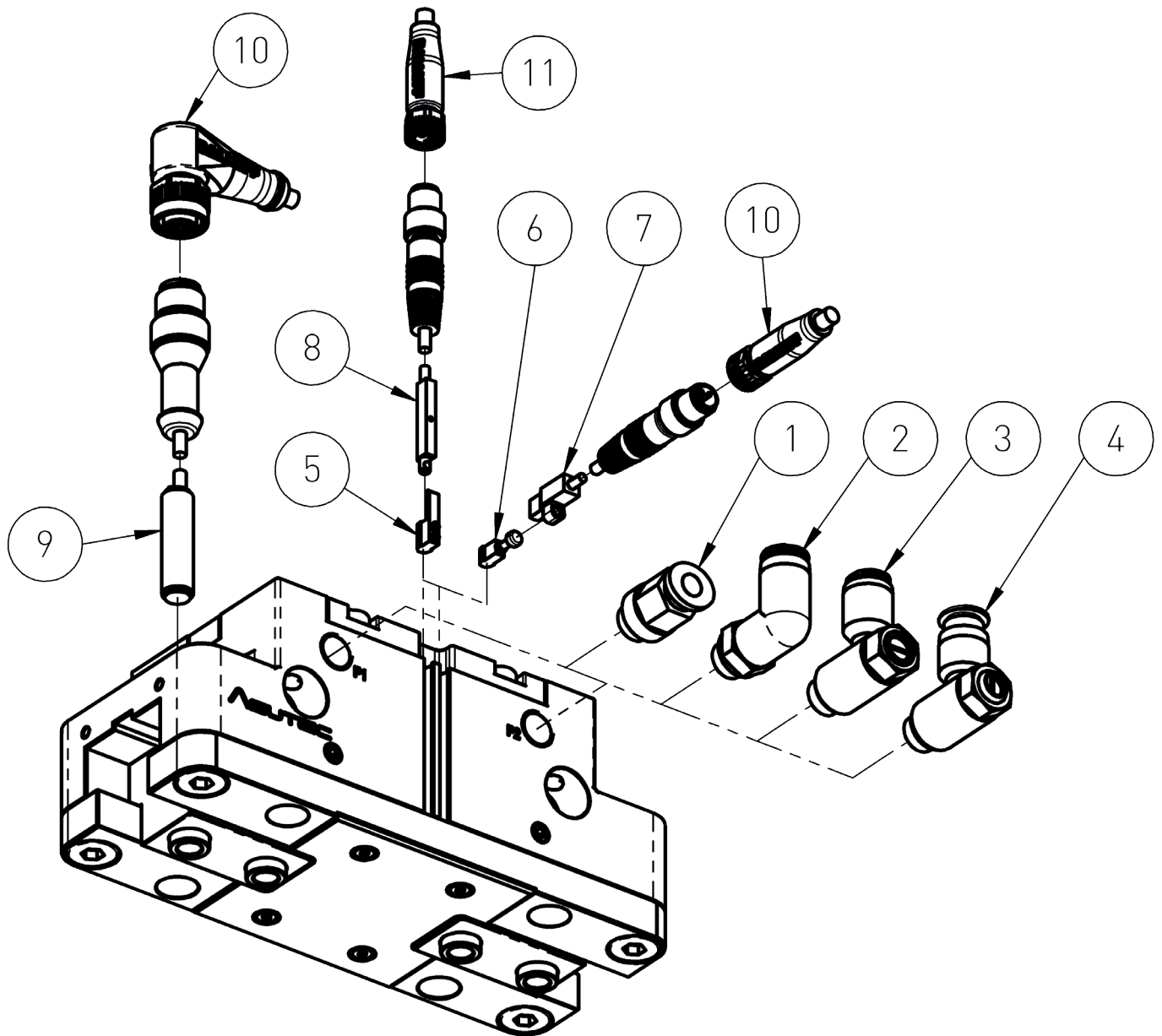
ASUTEC 2-JAW PARALLEL GRIPPER ASGP

ASUTEC-DEVICE	ASGP-160	ASGP-160-NC	ASGP-160-NO
			
TECHNICAL DATA			
INTEGRATED SPRING	NO SPRING	TO CLOSE	TO OPEN
STROKE PER JAW	16 mm	16 mm	16 mm
GRIPPING FORCE CLOSING (AT 6 BAR)	1900 N	2555 N	-
GRIPPING FORCE OPENING (AT 6 BAR)	2000 N	-	2655 N
MINIMAL GRIPPING FORCE BY SPRING	(No spring)	655 N	655 N
OPERATING PRESSURE	2,5 - 8 bar	4 - 7 bar	4 - 7 bar
CYLINDER VOLUME DOUBLE STROKE	176 cm ³	356 cm ³	356 cm ³
OPERATING TEMPERATUR	0 - 80 C°	0 - 80 C°	0 - 80 C°
REPEATABILITY +/-	0,015 mm	0,015 mm	0,015 mm
MAXIMUM LENGTH OF GRIPPER FINGERS	227 mm	215 mm	215 mm
PERMITTED MASS PER GRIPPER FINGER	3,6 kg	3,6 kg	3,6 kg
TIME TO CLOSE	0,15 s	0,12 s	0,275 s
TIME TO OPEN	0,15 s	0,275 s	0,12 s
WEIGHT OF THE GRIPPER	2,85 kg	3,74 kg	3,70 kg
RECOMMENDED WORKPIECE WEIGHT	9,3 kg	9,3 kg	9,8 kg

ASUTEC-DEVICE	ASGP-200	ASGP-200-NC	ASGP-200-NO
			
TECHNICAL DATA			
INTEGRATED SPRING	NO SPRING	TO CLOSE	TO OPEN
STROKE PER JAW	25 mm	25 mm	25 mm
GRIPPING FORCE CLOSING (AT 6 BAR)	2975 N	3980 N	-
GRIPPING FORCE OPENING (AT 6 BAR)	3050 N	-	4055 N
MINIMAL GRIPPING FORCE BY SPRING	(No spring)	1005 N	1005 N
OPERATING PRESSURE	2,5 - 8 bar	4 - 7 bar	4 - 7 bar
CYLINDER VOLUME DOUBLE STROKE	407 cm ³	797 cm ³	797 cm ³
OPERATING TEMPERATUR	0 - 80 C°	0 - 80 C°	0 - 80 C°
REPEATABILITY +/-	0,02 mm	0,02 mm	0,02 mm
MAXIMUM LENGTH OF GRIPPER FINGERS	280 mm	235 mm	235 mm
PERMITTED MASS PER GRIPPER FINGER	6,5 kg	6,5 kg	6,5 kg
TIME TO CLOSE	0,35 s	0,3 s	0,6 s
TIME TO OPEN	0,35 s	0,6 s	0,3 s
WEIGHT OF THE GRIPPER	6,5 kg	8,36 kg	8,31 kg
RECOMMENDED WORKPIECE WEIGHT	14,6 kg	14,6 kg	14,9 kg

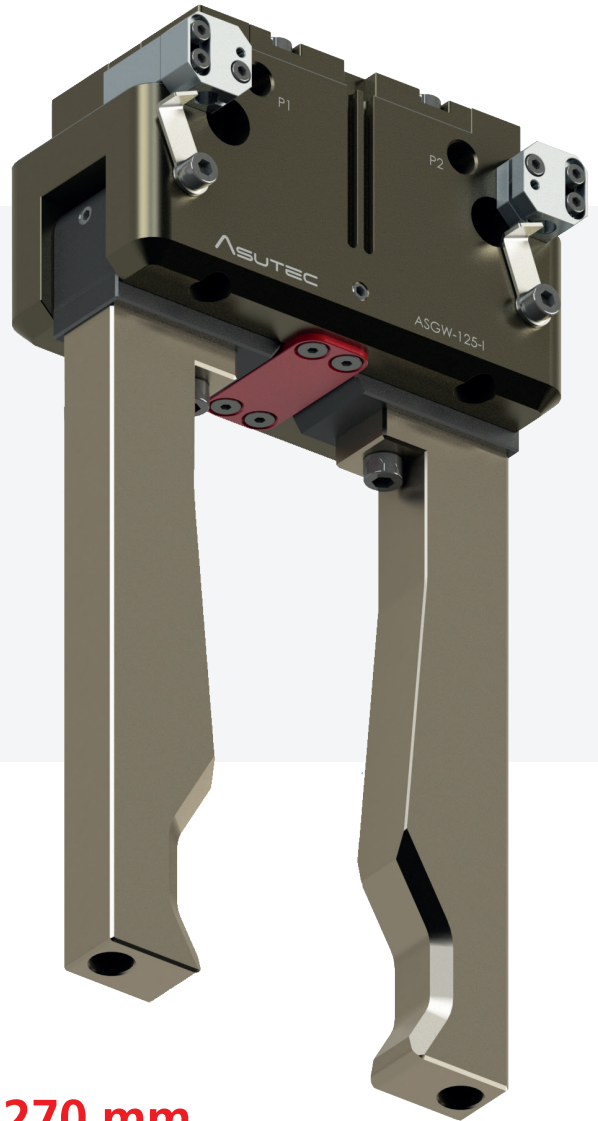
ACCESSORIES OF THE „UNIVERSAL“ ASUTEC 2-JAW PARALLEL GRIPPER ASGP

POS. NR.	BAUREIHE	ASUTEC NR.	BENNENUNG
1	ASGP-50 , ... , ASGP-80	14010009	Push-in fitting, M5, for tubing O.D. 6 mm
	ASGP-100 , ... , ... , ASGP-200	14010020	Push-in fitting, G1/8, for tubing O.D. 6 mm
2	ASGP-50 , ... , ASGP-80	14010004	Push-in L-fitting, M5, for tubing O.D. 6 mm
	ASGP-100 , ... , ... , ASGP-200	14010008	Push-in L-fitting, G1/8, for tubing O.D. 6 mm
3	ASGP-50 , ... , ASGP-80	14010006	Supply air one way flow valve, M5, for tubing O.D. 6 mm
	ASGP-100 , ... , ... , ASGP-200	14010005	Supply air one way flow valve, G1/8, for tubing O.D. 6 mm
4	ASGP-50 , ... , ASGP-80	14010048	Exhaust air one way flow valve, M5, for tubing O.D. 6 mm
	ASGP-100 , ... , ... , ASGP-200	14010024	Exhaust air one way flow valve, G1/8, for tubing O.D. 6 mm
5	For all grippers ASG...	15020010	Mounting bracket for sensor 15000026
6	For all grippers ASG...	15020011	Mounting bracket for sensor 15000032
7	For all grippers ASG...	15000032	C-slot sensor
8	For all grippers ASG...	15000026	C-slot sensor
9	Suitable from ASGP-63	15000033	Inductive sensor M8x1, L = 30 mm, Sn = 1,5 mm, 0,3 m cable, M12x1 connector
10	-	15010001	Plug connector, angled, M12x1, cable length 5 m
11	-	15010000	Plug connector, straight, 3-pole, M8x1, cable length 5 m

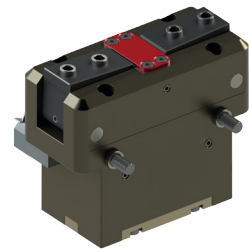
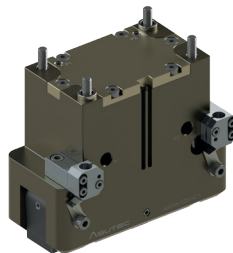
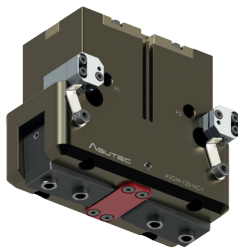


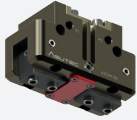
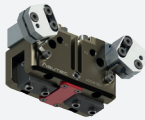
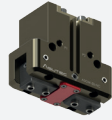
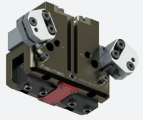
THE „UNIVERSAL“ ASUTEC 2-JAW ANGULAR GRIPPER ASGW

- + High gripping force
- + Strong kinematics
- + For using extremely long gripping fingers
- + Compact design in standardized dimensions
- + Low weight with maximum stability
- + Easy commissioning
- + Maintenance-free

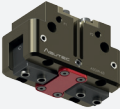
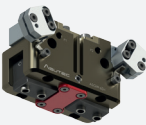
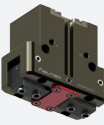
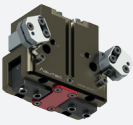


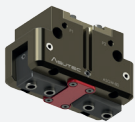
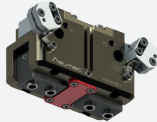
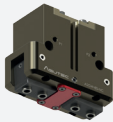
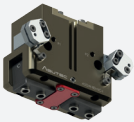
- 15° opening angle per jaw
- Maximum finger lengths up to 270 mm



ASUTEC-DEVICE	ASGW-50	ASGW-50-I	ASGW-50-NC	ASGW-50-NC-I
				
TECHNICAL DATA				
WEIGHT OF THE GRIPPER	0,19 KG	0,23 KG	0,24 KG	0,28 KG
INTEGRATED SPRING	NO SPRING		TO CLOSE	
OPENING ANGLE PER JAW	15°		15°	
ANGLE ALLOWANCE OPEN / CLOSE	0° / 3°		0° / 3°	
CLOSING MOMENT (0 ° CLOSING ANGLE)	3,02 Nm		4,17 Nm	
CLOSING MOMENT BY SPRING	(No spring)		1,15 Nm	
SPECIFIED UNDERLYING GRIP DISTANCE Z_g	32 mm		32 mm	
GRIPPING FORCE AT GRIP DISTANCE Z_g	66,5 N		91,7 N	
GRIPPING FORCE BY SPRING AT Z_g	(No spring)		25,2 N	
MAXIMUM LENGTH OF GRIPPER FINGERS	72 mm		72 mm	
OPERATING PRESSURE	2,5 - 8 bar		4 - 7 bar	
CYLINDER VOLUME DOUBLE STROKE	4 cm ³		10 cm ³	
OPERATING TEMPERATUR	0 - 80°C		0 - 80°C	
REPEATABILITY +/-	0,02 mm		0,02 mm	
TIME TO CLOSE	0,06 s		0,06 s	
TIME TO OPEN	0,06 s		0,1 s	
RECOMMENDED WORKPIECE WEIGHT	0,33 kg		0,33 kg	

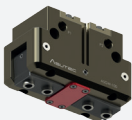
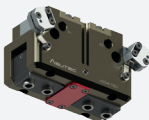
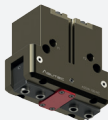
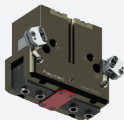
THE „UNIVERSAL“ ASUTEC 2-JAW ANGULAR GRIPPER ASGW

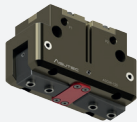
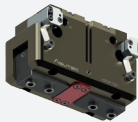
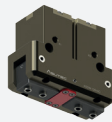
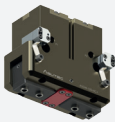
ASUTEC-DEVICE	ASGW-63	ASGW-63-I	ASGW-63-NC	ASGW-63-NC-I
				
TECHNICAL DATA				
WEIGHT OF THE GRIPPER	0,30 KG	0,34 KG	0,38 KG	0,42 KG
INTEGRATED SPRING	NO SPRING		TO CLOSE	
OPENING ANGLE PER JAW	15°		15°	
ANGLE ALLOWANCE OPEN / CLOSE	0° / 3°		0° / 3°	
CLOSING MOMENT (0 ° CLOSING ANGLE)	7,15 Nm		10,2 Nm	
CLOSING MOMENT BY SPRING	(No spring)		3,02 Nm	
SPECIFIED UNDERLYING GRIP DISTANCE Z_g	40 mm		40 mm	
GRIPPING FORCE AT GRIP DISTANCE Z_g	126,5 N		180 N	
GRIPPING FORCE BY SPRING AT Z_g	(No spring)		53,5 N	
MAXIMUM LENGTH OF GRIPPER FINGERS	90 mm		90 mm	
OPERATING PRESSURE	2,5 - 8 bar		4 - 7 bar	
CYLINDER VOLUME DOUBLE STROKE	9 cm ³		20 cm ³	
OPERATING TEMPERATUR	0 - 80°C		0 - 80°C	
REPEATABILITY +/-	0,02 mm		0,02 mm	
TIME TO CLOSE	0,07 s		0,07 s	
TIME TO OPEN	0,07 s		0,13 s	
RECOMMENDED WORKPIECE WEIGHT	0,63 kg		0,63 kg	

ASUTEC-DEVICE	ASGW-80	ASGW-80-I	ASGW-80-NC	ASGW-80-NC-I
				
TECHNICAL DATA				
WEIGHT OF THE GRIPPER	0,49 KG	0,54 KG	0,62 KG	0,66 KG
INTEGRATED SPRING	NO SPRING		TO CLOSE	
OPENING ANGLE PER JAW	15°		15°	
ANGLE ALLOWANCE OPEN / CLOSE	0° / 3°		0° / 3°	
CLOSING MOMENT (0 ° CLOSING ANGLE)	14,4 Nm		21,1 Nm	
CLOSING MOMENT BY SPRING	(No spring)		6,7 Nm	
SPECIFIED UNDERLYING GRIP DISTANCE Z_g	50 mm		50 mm	
GRIPPING FORCE AT GRIP DISTANCE Z_g	206 N		302 N	
GRIPPING FORCE BY SPRING AT Z_g	(No spring)		96 N	
MAXIMUM LENGTH OF GRIPPER FINGERS	112,5 mm		112,5 mm	
OPERATING PRESSURE	2,5 - 8 bar		4 - 7 bar	
CYLINDER VOLUME DOUBLE STROKE	17 cm ³		37 cm ³	
OPERATING TEMPERATUR	0 - 80°C		0 - 80°C	
REPEATABILITY +/-	0,02 mm		0,02 mm	
TIME TO CLOSE	0,08 s		0,08 s	
TIME TO OPEN	0,08 s		0,15 s	
RECOMMENDED WORKPIECE WEIGHT	1,03 kg		1,03 kg	

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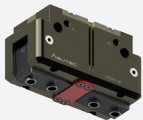
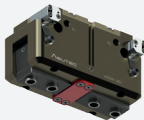
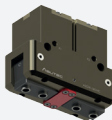
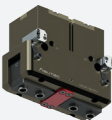
ASUTEC 2-JAW ANGULAR GRIPPER ASGW

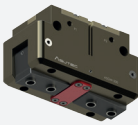
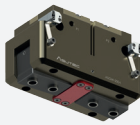
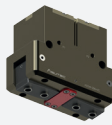
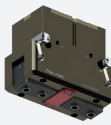
ASUTEC-DEVICE	ASGW-100	ASGW-100-I	ASGW-100-NC	ASGW-100-NC-I
				
TECHNICAL DATA				
WEIGHT OF THE GRIPPER	0,91 KG	0,95 KG	1,17 KG	1,21 KG
INTEGRATED SPRING	NO SPRING		TO CLOSE	
OPENING ANGLE PER JAW	15°		15°	
ANGLE ALLOWANCE OPEN / CLOSE	0° / 3°		0° / 3°	
CLOSING MOMENT (0 ° CLOSING ANGLE)	29,7 Nm		42,2 Nm	
CLOSING MOMENT BY SPRING	(No spring)		12,5 Nm	
SPECIFIED UNDERLYING GRIP DISTANCE Z_g	64 mm		64 mm	
GRIPPING FORCE AT GRIP DISTANCE Z_g	337 N		480 N	
GRIPPING FORCE BY SPRING AT Z_g	(No spring)		143 N	
MAXIMUM LENGTH OF GRIPPER FINGERS	144 mm		144 mm	
OPERATING PRESSURE	2,5 - 8 bar		4 - 7 bar	
CYLINDER VOLUME DOUBLE STROKE	37 cm ³		79 cm ³	
OPERATING TEMPERATUR	0 - 80°C		0 - 80°C	
REPEATABILITY +/-	0,02 mm		0,02 mm	
TIME TO CLOSE	0,12 s		0,12 s	
TIME TO OPEN	0,12 s		0,18 s	
RECOMMENDED WORKPIECE WEIGHT	1,69 kg		1,69 kg	

ASUTEC-DEVICE	ASGW-125	ASGW-125-I	ASGW-125-NC	ASGW-125-NC-I
				
TECHNICAL DATA				
WEIGHT OF THE GRIPPER	1,68 KG	1,72 KG	2,11 KG	2,16 KG
INTEGRATED SPRING	NO SPRING		TO CLOSE	
OPENING ANGLE PER JAW	15°		15°	
ANGLE ALLOWANCE OPEN / CLOSE	0° / 3°		0° / 3°	
CLOSING MOMENT (0 ° CLOSING ANGLE)	62,0 Nm		89,0 Nm	
CLOSING MOMENT BY SPRING	(No spring)		27,0 Nm	
SPECIFIED UNDERLYING GRIP DISTANCE Z_g	80 mm		80 mm	
GRIPPING FORCE AT GRIP DISTANCE Z_g	566 N		813 N	
GRIPPING FORCE BY SPRING AT Z_g	(No spring)		247 N	
MAXIMUM LENGTH OF GRIPPER FINGERS	180 mm		180 mm	
OPERATING PRESSURE	2,5 - 8 bar		4 - 7 bar	
CYLINDER VOLUME DOUBLE STROKE	74 cm ³		158 cm ³	
OPERATING TEMPERATUR	0 - 80°C		0 - 80°C	
REPEATABILITY +/-	0,02 mm		0,02 mm	
TIME TO CLOSE	0,15 s		0,15 s	
TIME TO OPEN	0,15 s		0,02 s	
RECOMMENDED WORKPIECE WEIGHT	2,83 kg		2,83 kg	

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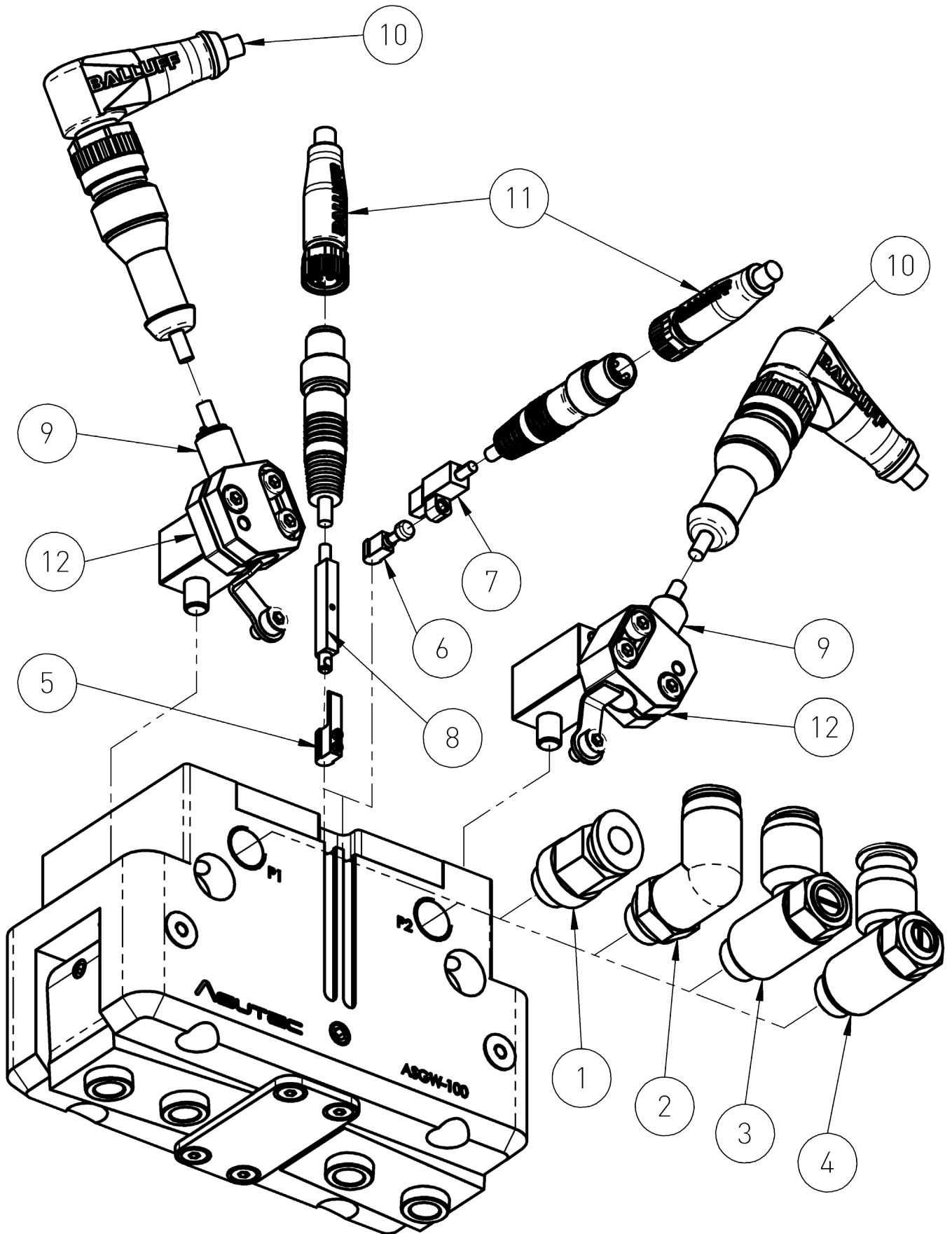
ASUTEC 2-JAW ANGULAR GRIPPER ASGW

ASUTEC-DEVICE	ASGW-160	ASGW-160-I	ASGW-160-NC	ASGW-160-NC-I
				
TECHNICAL DATA				
WEIGHT OF THE GRIPPER	2,73 KG	2,78 KG	3,62 KG	3,66 KG
INTEGRATED SPRING	NO SPRING		TO CLOSE	
OPENING ANGLE PER JAW	15°		15°	
ANGLE ALLOWANCE OPEN / CLOSE	0° / 3°		0° / 3°	
CLOSING MOMENT (0 ° CLOSING ANGLE)	118 Nm		170 Nm	
CLOSING MOMENT BY SPRING	(No spring)		52 Nm	
SPECIFIED UNDERLYING GRIP DISTANCE Z_g	100 mm		100 mm	
GRIPPING FORCE AT GRIP DISTANCE Z_g	856 N		1235 N	
GRIPPING FORCE BY SPRING AT Z_g	(No spring)		379 N	
MAXIMUM LENGTH OF GRIPPER FINGERS	225 mm		225 mm	
OPERATING PRESSURE	2,5 - 8 bar		4 - 7 bar	
CYLINDER VOLUME DOUBLE STROKE	147 cm ³		326 cm ³	
OPERATING TEMPERATUR	0 - 80°C		0 - 80°C	
REPEATABILITY +/-	0,02 mm		0,02 mm	
TIME TO CLOSE	0,15 s		0,15 s	
TIME TO OPEN	0,15 s		0,25 s	
RECOMMENDED WORKPIECE WEIGHT	0,33 kg		4,28 kg	

ASUTEC-DEVICE	ASGW-200	ASGW-200-I	ASGW-200-NC	ASGW-200-NC-I
				
TECHNICAL DATA				
WEIGHT OF THE GRIPPER	6,04 KG	6,10 KG	7,90 KG	7,95 KG
INTEGRATED SPRING	NO SPRING		TO CLOSE	
OPENING ANGLE PER JAW	15°		15°	
ANGLE ALLOWANCE OPEN / CLOSE	0° / 3°		0° / 3°	
CLOSING MOMENT (0 ° CLOSING ANGLE)	286 Nm		412 Nm	
CLOSING MOMENT BY SPRING	(No spring)		126 Nm	
SPECIFIED UNDERLYING GRIP DISTANCE Z_g	32 mm		120 mm	
GRIPPING FORCE AT GRIP DISTANCE Z_g	1736 N		2498 N	
GRIPPING FORCE BY SPRING AT Z_g	(No spring)		762 N	
MAXIMUM LENGTH OF GRIPPER FINGERS	270 mm		270 mm	
OPERATING PRESSURE	2,5 - 8 bar		4 - 7 bar	
CYLINDER VOLUME DOUBLE STROKE	336 cm ³		726 cm ³	
OPERATING TEMPERATUR	0 - 80°C		0 - 80°C	
REPEATABILITY +/-	0,02 mm		0,02 mm	
TIME TO CLOSE	0,35 s		0,2 s	
TIME TO OPEN	0,3 s		0,35 s	
RECOMMENDED WORKPIECE WEIGHT	8,68 kg		8,68 kg	

ACCESSORIES OF THE „UNIVERSAL“ ASUTEC 2-JAW ANGULAR GRIPPER ASGW

POS. NR.	BAUREIHE	ASUTEC NR.	BENNENUNG
1	ASGW-50 , ... , ASGW-80	14010009	Push-in fitting, M5, for tubing O.D. 6 mm
	ASGW-100 , ... , ... , ASGW-200	14010020	Push-in fitting, G1/8, for tubing O.D. 6 mm
2	ASGW-50 , ... , ASGW-80	14010004	Push-in L-fitting, M5, for tubing O.D. 6 mm
	ASGW-100 , ... , ... , ASGW-200	14010008	Push-in L-fitting, G1/8, for tubing O.D. 6 mm
3	ASGW-50 , ... , ASGW-80	14010006	Supply air one way flow valve, M5, for tubing O.D. 6 mm
	ASGW-100 , ... , ... , ASGW-200	14010005	Supply air one way flow valve, G1/8, for tubing O.D. 6 mm
4	ASGW-50 , ... , ASGW-80	14010048	Exhaust air one way flow valve, M5, for tubing O.D. 6 mm
	ASGW-100 , ... , ... , ASGW-200	14010024	Exhaust air one way flow valve, G1/8, for tubing O.D. 6 mm
5	For all grippers ASG...	15020010	Mounting bracket for sensor 15000026
6	For all grippers ASG...	15020011	Mounting bracket for sensor 15000032
7	For all grippers ASG...	15000032	C-slot sensor
8	For all grippers ASG...	15000026	C-slot sensor
9	For all grippers ASG...	15000033	Inductive sensor M8x1, L = 30 mm, Sn = 1,5 mm, 0,3 m cable, M12x1 connector
10	-	15010001	Plug connector, angled, M12x1, cable length 5 m
11	-	15010000	Plug connector, straight, 3-pole, M8x1, cable length 5 m
12	ASGW-50.....	75003022	Position detection (set for both sides)
	ASGW-63.....	75003023	
	ASGW-80.....	75003024	
	ASGW-100.....	75003025	
	ASGW-125.....	75003026	
	ASGW-160.....	75003027	
	ASGW-200.....	75003028	



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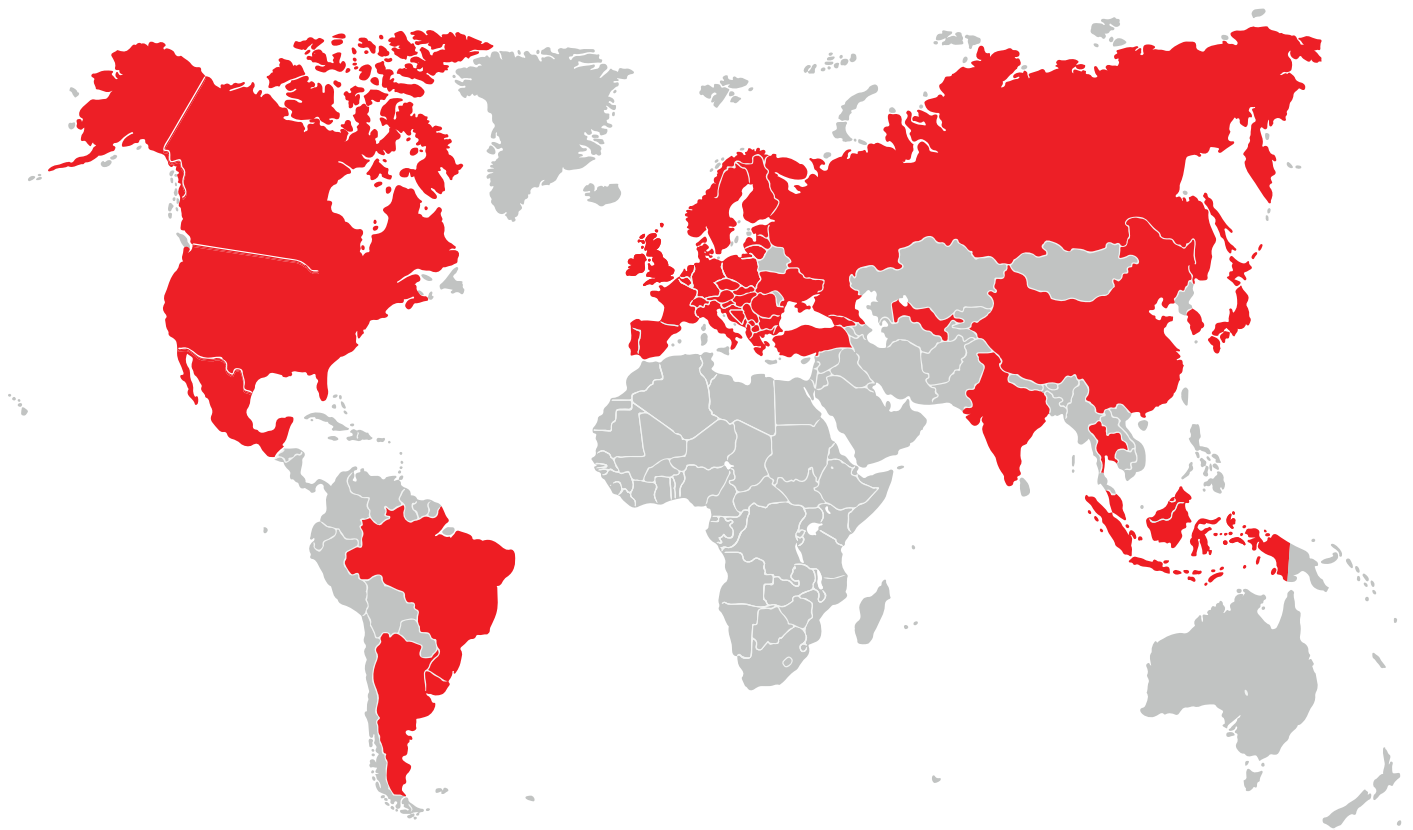
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