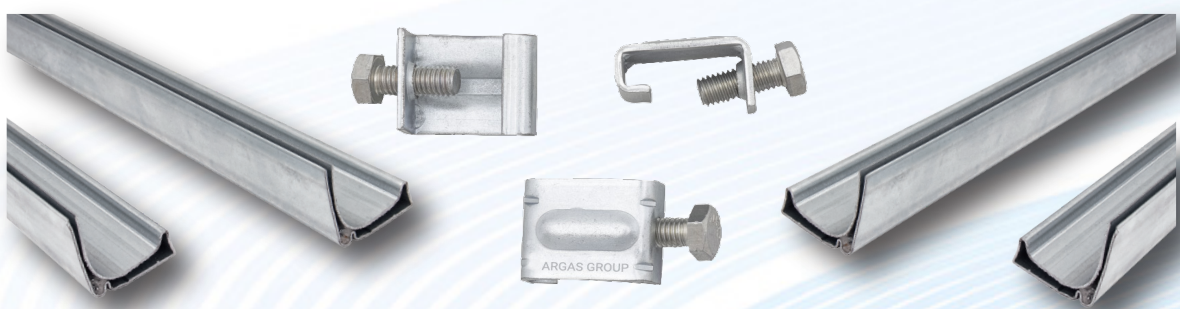




Duct Flanges and Accessories





ABOUT US

Since our establishment in June 2023, Argas Group has been dedicated to delivering unparalleled service to our valued clients. With a wealth of international experience, we are proud to offer top-quality products at the most competitive prices in the market. Through a comprehensive analysis of the HVAC sector, we have identified gaps and have taken the initiative to provide an extensive product range that includes rubber insulation, duct flanges, air curtains, flexible ducts, insulation tapes, and more. Our commitment extends beyond product supply as we strive to provide our clients with expert advice tailored to their specific needs. At Argas Group, we are driven by our mission to ensure customer satisfaction through exceptional service and the highest quality offerings.

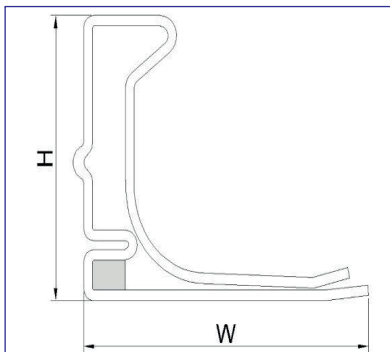


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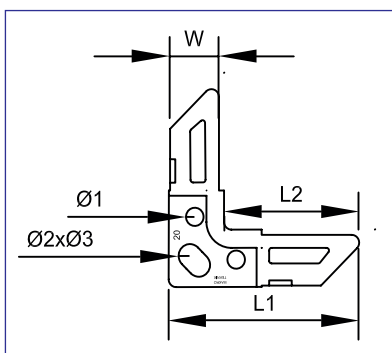
- ⚠ Suitable for Pressure Classes: The product is suitable for pressure classes A, B, and C, indicating its capability to withstand different pressure levels in various applications.
- ⚠ Guaranteed Sealing Class: The addition of high amounts of butyl mastic ensures a reliable sealing class, providing an effective barrier against leaks and preventing the ingress of unwanted substances.
- ⚠ Corrugated Back Structure: The product's corrugated back structure enhances its ability to remain securely fixed even under high pressure conditions. This feature contributes to its overall stability and durability.
- ⚠ Easy Assembly: The product's rigid structure facilitates easy assembly, simplifying the installation process and saving time and effort.
- ⚠ Overall, this product combines the strength of the chosen metal sheet material, the reliability of butyl mastic sealing, and a corrugated back structure to provide a robust solution suitable for various pressure classes and easy installation.



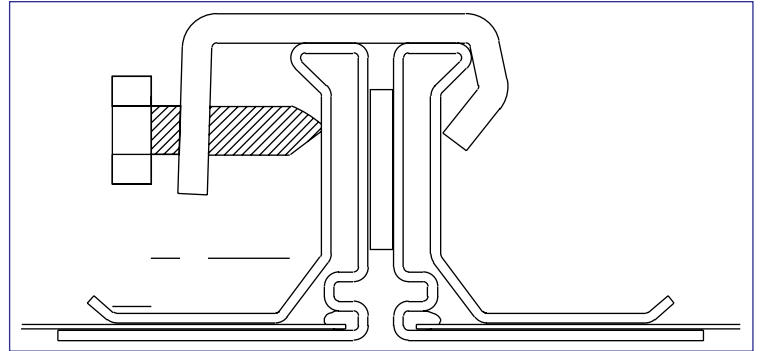
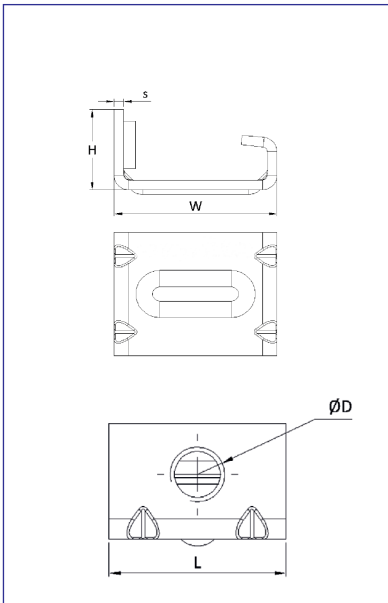
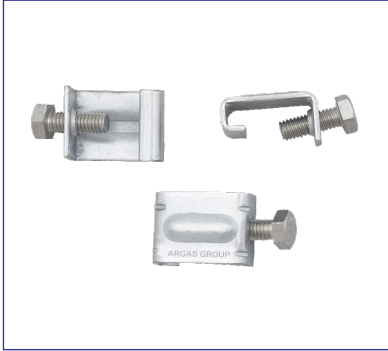
Flange Type	Code	H (mm)	W (mm)	Thickness (mm)		L (mm)
20 mm Flange	ARGF2006	20	24	Standart 0,6	Optional 0,5-0,7	4000
25 mm Flange	ARGF2506	25	24	0,6	0,5-0,7	4000
30 mm Flange	ARGF3007	30	23	0,7	0,8	4000
35 mm Flange	ARGF3507	35	26	0,7	0,8-0,9-1,0	4000



- Argas Group corner elements are specifically designed to be compatible with your flange profiles, ensuring a seamless fit and integration. These corner elements play a crucial role in creating robust flange frames, enhancing the overall strength and stability of the duct system.
- One of the key benefits of these corner elements is their ability to minimize the impact of vibrations. By increasing the robustness of the duct, they help reduce vibrations and their negative effects, promoting a more stable and efficient operation of the system.
- The design of the corner elements includes a stopper feature on the corners. This design element serves as a protective measure, preventing the smashing or damaging of the duct seal, even in cases where the corner screws are over tightened. This feature ensures the integrity of the duct seal, preventing potential leaks or compromises in performance.
- By incorporating Argas Group corner elements into your flange frames, you can achieve a high level of compatibility, robustness, and vibration reduction. The stopper design adds an extra layer of protection, safeguarding the duct seal and ensuring the long-term reliability of the system.



Corner Type	Code	W (mm)	L1 (mm)	L2	Ø1(mm)	Ø2(mm)	Ø2 x Ø3 (mm)	Thickness (gr)	Weight
20 mm Corner	ARGK2020	13	68	50	6	8,5	8,5x12	Standart 2 Optional 2,5	25
25 mm Corner	ARGK2520	18,6	77,67	55,28	7	8,5	8,5x12	2	35
30 mm Corner	ARGK3020	23,60	97,20	70,60	8	11	11x14	2	60
35 mm Corner	ARGK3522	26,85	109	79,50	8	11	11x16	2,2	77



- Ⓐ The product you are referring to is designed for the secure fixing of flanges in high-pressure classes C and D. To ensure proper installation and performance, it is recommended to use this product with 20 cm intervals in high-pressure classes and 25 cm intervals in medium-pressure classes.
- Ⓐ This fixing product is manufactured using HRP 6222 material, which provides excellent strength and durability to withstand the high-pressure conditions. Additionally, it features an electro-galvanized coating that offers enhanced corrosion resistance and protection against environmental factors.
- Ⓐ By following the recommended interval guidelines and utilizing this product, you can ensure reliable and stable flange connections in high-pressure applications. The combination of HRP 6222 material and electro-galvanized coating ensures its longevity and performance in demanding environments.

Code	L (mm)	H (mm)	W (mm)	ØD (mm)	S (mm)	Weight (gr)
ARGKL20	27	17	30	7	2	31
ARGKL30	27	18	32	7	3	44
ARGKLL20	26	17	33,5	7	2	35



- ⚠ Duct sealing is an essential process used to ensure the impermeability of flange systems against various external factors such as water, dust, smoke, and oil. It involves the application of sealing materials or techniques to prevent the ingress or leakage of these substances into the duct system.
- ⚠ By effectively sealing the flange connections, potential issues caused by water, dust, smoke, and oil infiltration can be avoided. This includes preventing water leaks that could damage the duct system, keeping dust particles from entering and accumulating inside the ducts, preventing the spread of smoke in case of a fire, and protecting the ducts from oil contamination that could affect their performance or integrity.
- ⚠ Duct sealing is an important step in maintaining the efficiency, safety, and longevity of flange systems. It helps to ensure that the ducts remain sealed and isolated from external factors, allowing them to function optimally and meet

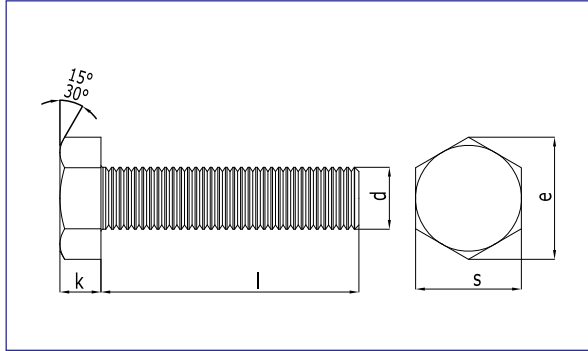
CODE	TYPE	DIMENSIONS (MM)	IN BOX QUANTITY
ARGST135	EVA	13mm X 5mm	850 meter
ARGST155	EVA	15mm X 5mm	750 meter
ARGST185	EVA	18mm X 5mm	600 meter
ARGST205	EVA	20mm X 5mm	550 meter
ARGST255	EVA	25mm X 5mm	440 meter



- ⚠ Argas Group offers an acrylic mastic with silicone that is specifically designed to increase impermeability in ventilation ducts, flange connection points, corners, and other areas where air leakage occurs. This acrylic mastic with silicone provides excellent sealing and filling properties.
- ⚠ The mastic is available in cartridges and comes in white and grey colors. It is recommended to store the product in unopened cartridges in cool and dry storage places between +5 and +25°C, following the specific conditions and storage duration indicated on the label.

Specific Gravity	1.52 ± 0.02 gr/cm ³
Drying Time	20 - 60 min. (20°C, % 50 RH)
Through-drying time	24 hour (20°C, % 50 RH)
100 % Extension	≥ 0,20 MPa
Max. Tensile Strength	≥ 0,30 Mpa
Tensile Strength	≥ 0,10 Mpa

Hexagonal Full Threaded Bolts

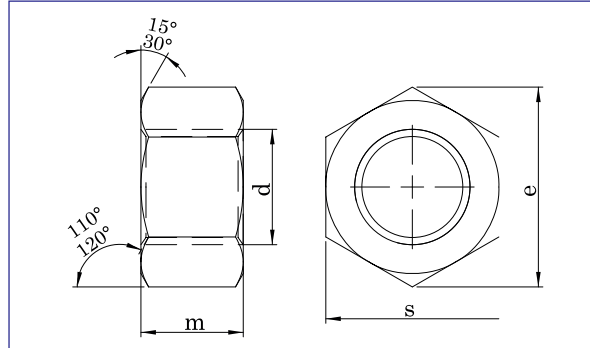


Nominal Diameter (d)				M5	M6	M7	M8	M10
Pitch	P			0,80	1,00	1,00	1,25	1,50
	Nominal			3,50	4,00	4,80	5,30	6,40
Headroom	k	A	min.	3,35	3,85	4,65	5,15	6,22
			max.	3,65	4,15	4,95	5,45	6,56
		B	min.	3,26	3,76	4,56	4,06	6,11
			max.	3,74	4,24	5,04	5,54	6,69
Wrench Flat	s	A	min.	7,78	9,78	10,73	12,73	16,73
			min.	7,64	9,64	10,57	12,57	16,57
		B	min.	8,00	10,00	11,00	13,00	17,00
		Nominal	max.					
Diagonal	e	A	min.	8,79	11,05	12,12	14,38	18,90
		B	min.	8,63	10,89	11,94	14,20	18,72

Nominal Diameter (d)		A		B		M5	M6	M7	M8	M10
Length (l)		min.	max.	min.	max.					
10		9,71	10,29			2,63	4,08	6,35	9,10	16,20
12		11,65	12,35			2,87	4,42	6,85	9,80	17,20
14		13,65	14,35			3,12	4,76	7,35	10,50	18,20
16		15,65	16,35			3,37	5,11	7,85	11,10	19,20
18		17,65	18,35			3,62	5,45	8,35	11,70	20,20
20		19,58	20,42			3,87	5,80	8,85	12,30	21,20
22		21,58	22,42			4,12	6,15	9,35	12,90	22,20
25		24,58	25,42			4,49	6,65	10,00	13,90	23,70
28		27,58	28,42			4,86	7,15	10,70	14,90	25,20
30		29,58	30,42			5,11	7,51	11,30	15,50	26,20
35		34,50	35,50			5,73	8,37	12,50	17,10	28,70
40		39,50	40,50			6,35	9,23	13,80	18,70	31,20
45		44,50	45,50	43,75	46,25	6,99	10,10	15,00	20,30	33,70
50		49,50	50,5	48,75	51,25	7,59	11,00	16,30	21,80	36,20
55		54,40	55,60	53,50	56,50	8,21	11,90	17,50	23,40	38,70
60		59,40	60,60	58,50	61,50	8,83	12,70	18,70	25,00	41,30

*Values are in mm.

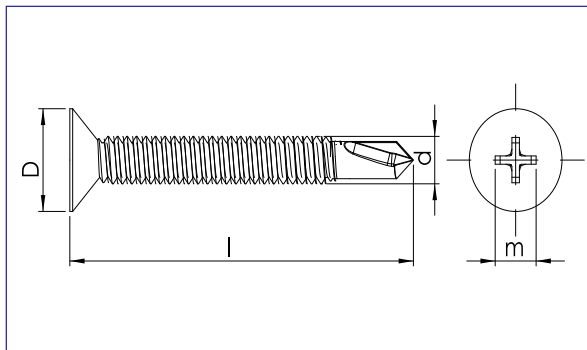
Hexagonal Nut



Nominal Diameter (d)			M8	M10	M12	M14	M16
Pitch	P		1,25	1,50	1,75	2,00	2,00
Wrench Flat	s	min.	12,73	16,73	18,67	21,67	23,67
		max.	13,00	17,00	19,00	22,00	24,00
Diagonal	e		14,38	18,90	21,10	24,49	26,75
Height	m	min.	6,14	7,64	9,64	10,30	12,30
		max.	6,50	8,00	10,00	11,00	13,00
Weight	gr		5,20	11,60	17,30	25,00	33,30

*Values are in mm.

Countersunk Self-Drilling Screw



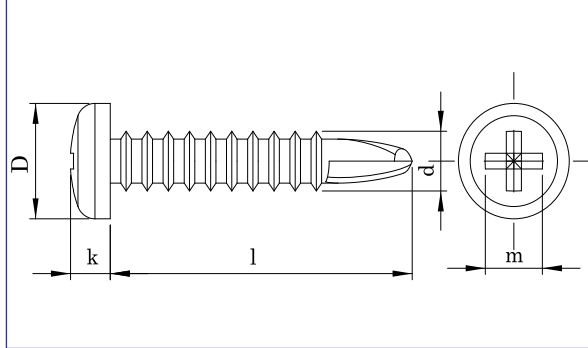
Nominal Diameter (d)	3,9	4,2	4,8
D	7,5	8,2	9,5
m	4,6	4,7	5,1
ph	2	2	2

Nominal Diameter (d)	3,9		4,2	4,8
Drilling Capacity	min.	0,70	0,70	1,75
	max.	2,40	3,00	4,40

Nominal Diameter (d)			3,9	4,2	4,8
Length (l)			Weight (gr)		
	min.	max.			
13	12,20	13,50	0,90	1,12	1,80
16	15,20	16,50	1,05	1,05	1,85
19	18,20	19,70	1,27	1,53	2,15
22	21,20	22,70	1,35	1,73	2,30
25	24,00	26,00	1,60	1,95	2,55
32	30,80	32,60	1,91	2,30	3,25
38	37,00	39,00	2,30	2,82	3,72
45	43,40	45,40		3,20	4,35
50	49,50	51,50		3,65	4,81
60	58,80	61,20			5,65
70	68,80	71,20			6,45
80	78,80	81,20			7,38
90	88,90	91,20			8,30
100	98,80	101,20			9,18

*Values are in mm.

Dame Head Self Drilling Screw



d	3,9	4,2	4,8
D	7,5	8,2	9,5
k	2,8	3,05	3,55
m	4,4	4,6	5
ph	2	2	2

Nominal Diameter (d)	3,9		4,2	4,8
Drilling Capacity	min.	0,70	1,75	1,75
	max.	2,40	3,00	4,40

Nominal Diameter (d)			3,9	4,2	4,8
Length (l)			Weight (gr)		
	min.	max.			
13	12,10	13,90	5,80	4,30	3,70
16	15,10	16,90	8,80	7,30	5,80
19	18,00	20,00	11,70	10,30	8,70
22	21,00	23,00	14,70	13,30	11,70
25	24,00	26,00	17,70	16,30	14,70
32	30,75	33,25	24,50	23,00	21,50
38	36,75	39,25	30,50	29,00	27,50
45	43,75	46,25			34,50
50	48,75	51,25			39,50
60	58,80	61,20			6,21
70	68,80	71,20			7,06
80	78,80	81,20			7,85
90	88,80	91,20			8,80
100	98,80	101,20			9,62

*Values are in mm.



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