

CALOTTES

SPECIAL ALUMINIUM WASHERS
FOR SANDWICH PANELS FIXING

Calottes made of high quality aluminum with vulcanized EPDM layer.

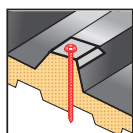
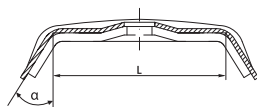
ETA



Designed for fixing sandwich panels by means of GTR SP screws. Calottes increase the capacity of the connection thanks to larger contact surface area with the lining of sandwich panel. While vulcanized EPDM material provides excellent sealing properties and excellent flexibility.

Product designation	Calottes			Package Separate/ Quantity/ Collective [pcs]
	Width	Length	Inclination angle	
	L	D	α	
	[mm]	[mm]	[°]	
PKAL2627	26	41,5	27	100/1/100
PKAL3225	32	41,5	25	100/1/100
PKAL4132	41	41,5	32	100/1/100

* available in RAL colours



ULTRA

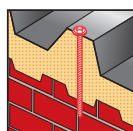
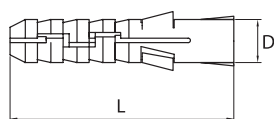
EXPANSION SLEEVES

Expansion sleeves made of high quality nylon.



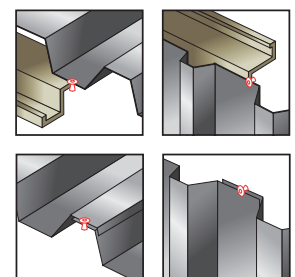
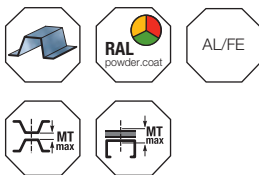
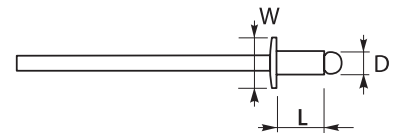
Designed for mounting sandwich panels in soft solid materials such as aerated concrete, brick in combination with GTR W SP screws.

Product designation	Sleeve		Package Separate/ Quantity/ Collective [pcs]
	Lenght	Width	
	L	D	
	[mm]	[mm]	
PUP00792	50	10	50/1/50



Designed for economical fastening of different elements made of steel sheet or aluminum inside buildings (lack of moisture).

Product designation	Fastener			Recommended fastening scope		Holes diameters		Package Separate/ Quantity/ Collective [pcs]
	D	L	W	MTmin	MTmax	dh min.	dh. max	
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
PN0124060PL	2,4	6	max. 5	2,00	4,00	2,50	2,60	500/8/4000
PN0124080PL	2,4	8	max. 5	4,00	6,00	2,50	2,60	500/8/4000
PN0124100PL	2,4	10	max. 5	6,00	8,00	2,50	2,60	500/8/4000
PN0124120PL	2,4	12	max. 5	8,00	9,50	2,50	2,60	500/8/4000
PN0132060PL	3,2	6	max. 6,7	1,50	3,50	3,30	3,40	500/8/4000
PN0132080PL	3,2	8	max. 6,7	3,50	5,00	3,30	3,40	500/8/4000
PN0132100PL	3,2	10	max. 6,7	5,00	7,00	3,30	3,40	500/8/4000
PN0132120PL	3,2	12	max. 6,7	7,00	9,00	3,30	3,40	500/8/4000
PN0132140PL	3,2	14	max. 6,7	7,00	11,00	3,30	3,40	500/8/4000
PN0140080PL	4	8	max. 8,4	3,00	5,00	4,10	4,20	500/8/4000
PN0140100PL	4	10	max. 8,4	5,00	6,50	4,10	4,20	500/8/4000
PN0140120PL	4	12	max. 8,4	6,50	8,50	4,10	4,20	500/8/4000
PN0140140PL	4	14	max. 8,4	7,00	11,00	4,10	4,20	500/8/4000
PN0140160PL	4	16	max. 8,4	8,50	12,50	4,10	04,2	500/8/4000
PN0148080PL	4,8	8	max. 10,1	2,50	4,00	4,90	5,00	500/8/4000
PN0148100PL	4,8	10	max. 10,1	4,00	6,00	4,90	5,00	500/8/4000
PN0148120PL	4,8	12	max. 10,1	6,00	8,00	4,90	5,00	500/8/4000
PN0148140PL	4,8	14	max. 10,1	7,00	11,00	4,90	5,00	500/8/4000
PN0148160PL	4,8	16	max. 10,1	8,00	12,00	4,90	5,00	500/8/4000
PN0148200PL	4,8	20	max. 10,1	12,00	15,00	4,90	5,00	500/8/4000
PN0160120PL	6	12	max. 12,6	5,00	7,00	6,10	6,20	500/8/4000
PN0160140PL	6	14	max. 12,6	7,00	11,00	6,10	6,20	500/8/4000
PN0160220PL	6	22	max. 12,6	11,00	18,00	6,10	6,20	500/8/4000
PN0160260PL	6	26	max. 12,6	17,00	20,00	6,10	6,20	500/8/4000



CLOSED-END RIVETS AL/FE

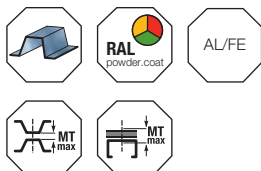
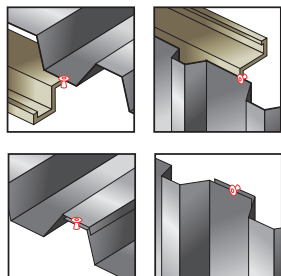
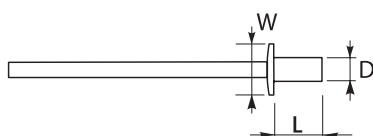
CLOSED-END ALUMINUM RIVETS -
STEEL

Closed-end aluminum rivets with carbon steel shank.



Designed for waterproof fastening of different elements made of steel sheet or aluminum.

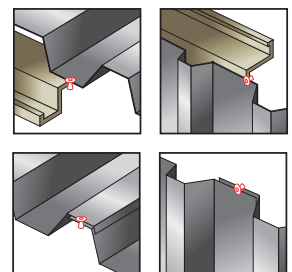
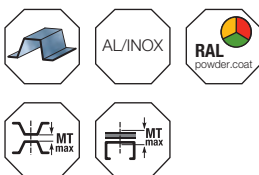
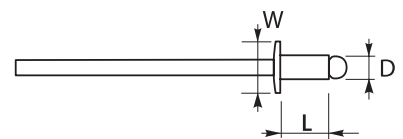
Product designation	Fastener			Recommended scope of fastening		Diameters of clearance holes		Package Separate/ Quantity/ Collective [pcs]
	D	L	W	MTmin	MTmax	dh min.	dh. max	
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
PN2632650PL	3,2	6,5	max. 6,7	0,50	2,00	3,30	3,40	500/8/4000
PN2632800PL	3,2	8	max. 6,7	2,00	3,50	3,30	3,40	500/8/4000
PN2632950PL	3,2	9,5	max. 6,7	3,50	5,00	3,30	3,40	500/8/4000
PN2632100PL	3,2	10,7	max. 6,7	3,50	5,00	3,30	3,40	500/8/4000
PN2632120PL	3,2	12,7	max. 6,7	6,50	8,00	3,30	3,40	500/8/4000
PN2640800PL	4	8	max. 8,4	0,50	3,50	4,10	4,20	500/8/4000
PN2640950PL	4	9,5	max. 8,4	3,50	5,00	4,10	4,20	500/8/4000
PN2640110PL	4	11	max. 8,4	5,00	6,50	4,10	4,20	500/8/4000
PN2640120PL	4	12,7	max. 8,4	6,50	8,00	4,10	4,20	500/8/4000
PN2640150PL	4	15	max. 8,4	8,00	10,00	4,10	4,20	500/8/4000
PN2648090PL	4,8	9,5	max. 10,1	3,50	5,00	4,90	5,00	500/8/4000
PN2648110PL	4,8	11	max. 10,1	5,00	6,50	4,90	5,00	500/8/4000
PN2648120PL	4,8	12,5	max. 10,1	6,50	8,00	4,90	5,00	500/8/4000
PN2648160PL	4,8	16	max. 10,1	9,50	11,00	4,90	5,00	500/8/4000
PN2648180PL	4,8	18	max. 10,1	11,00	13,00	4,90	5,00	500/8/4000
PN2648210PL	4,8	21	max. 10,1	13,00	16,00	4,90	5,00	500/8/4000
PN2664120PL	6,4	12,5	max. 13,4	1,50	6,50	6,50	6,60	500/8/4000
PN2664160PL	6,4	16	max. 13,4	6,50	9,50	6,50	6,60	500/8/4000



Designed for economical fastening of different elements made of steel sheet or aluminum in damp environments, for example flashings.



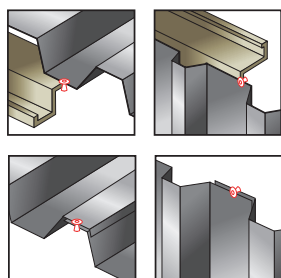
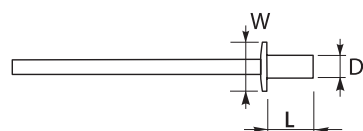
Product designation	Fastener			Recommended range of fastening		Diameters of clearance holes		Package Separate/ Quantity/ Collective [pcs]
	D	L	W	MTmin	MTmax	dh min.	dh. max	
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
PN0832060PL	3,2	6	max. 6,7	0,50	3,00	3,30	3,40	500/8/4000
PN0832080PL	3,2	8	max. 6,7	3,00	5,00	3,30	3,40	500/8/4000
PN0832100PL	3,2	10	max. 6,7	5,00	6,50	3,30	3,40	500/8/4000
PN0832120PL	3,2	12	max. 6,7	6,50	8,50	3,30	3,40	500/8/4000
PN0840080PL	4	8	max. 8,4	2,50	4,50	4,10	4,20	500/8/4000
PN0840100PL	4	10	max. 8,4	4,50	6,50	4,10	4,20	500/8/4000
PN0840120PL	4	12	max. 8,4	6,50	8,50	4,10	4,20	500/8/4000
PN0840140PL	4	14	max. 8,4	8,50	10,00	4,10	4,20	500/8/4000
PN0840160PL	4	16	max. 8,4	10,00	12,00	4,10	4,20	500/8/4000
PN0848080PL	4,8	8	max. 10,1	2,00	4,00	4,90	5,00	500/8/4000
PN0848100PL	4,8	10	max. 10,1	4,00	6,00	4,90	5,00	500/8/4000
PN0848120PL	4,8	12	max. 10,1	6,00	8,00	4,90	5,00	500/8/4000
PN0848140PL	4,8	14	max. 10,1	6,00	10,00	4,90	5,00	500/8/4000
PN0848160PL	4,8	16	max. 10,1	8,00	11,00	4,90	5,00	500/8/4000
PN0848200PL	4,8	20	max. 10,1	13,00	16,00	4,90	5,00	500/8/4000



CLOSED-END RIVETS AL/INOX

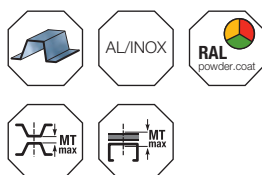
CLOSED-END ALUMINUM RIVETS -
STAINLESS STEEL

Aluminum closed-end rivets with austenitic steel shank.



Designed for waterproof fastening of different elements made of steel sheet or aluminum in damp environments, for example flashings.

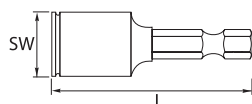
Product designation	Fastener			Recommended range of fastening		Diameters of clearance holes		Package Separate/ Quantity/ Collective [pcs]
	D	L	W	MTmin	MTmax	dh min.	dh. max	
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
PN3032060PL	3,2	6,5	max. 6,7	0,50	2,00	3,30	3,40	500/8/4000
PN3032080PL	3,2	8	max. 6,7	0,50	3,50	3,30	3,40	500/8/4000
PN3032090PL	3,2	9,5	max. 6,7	3,50	5,00	3,30	3,40	500/8/4000
PN3032100PL	3,2	10,7	max. 6,7	5,00	6,50	3,30	3,40	500/8/4000
PN3032120PL	3,2	12,7	max. 6,7	6,50	8,00	3,30	3,40	500/8/4000
PN3040080PL	4	8	max. 8,4	2,50	4,50	4,10	4,20	500/8/4000
PN3040090PL	4	9,5	max. 8,4	1,00	5,00	4,10	4,20	500/8/4000
PN3040110PL	4	11	max. 8,4	5,00	6,50	4,10	4,20	500/8/4000
PN3040120PL	4	12,7	max. 8,4	6,50	8,00	4,10	4,20	500/8/4000
PN3048090PL	4,8	9,5	max. 10,1	3,50	5,00	4,90	5,00	500/8/4000
PN3048110PL	4,8	11	max. 10,1	3,50	6,50	4,90	5,00	500/8/4000
PN3048120PL	4,8	12,5	max. 10,1	6,50	8,00	4,90	5,00	500/8/4000
PN3048160PL	4,8	16	max. 10,1	9,00	11,00	4,90	5,00	500/8/4000
PN3048180PL	4,8	18	max. 10,1	9,50	13,50	4,90	5,00	500/8/4000
PN3048210PL	4,8	21	max. 10,1	13,00	16,00	4,90	5,00	500/8/4000



HEX SCREWDRIVER BITS

Screwdrivers bits (keys) are made of high quality chrome vanadium steel, surface hardened, protected from corrosion. Hexagonal shape, different sizes screw holding systems (magnetic with an internal or external spring).

Designed for use in screwdrivers. Used for correct screwing hex head fasteners into the structure material. For GTX fasteners as well as painted fasteners it is recommended to use the bits with spring.



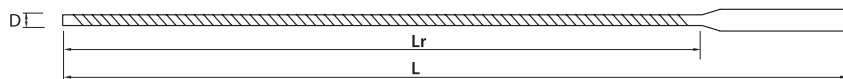
Product designation	Key			Package Separate/ Quantity/ Collective [pcs]
	SW	L	Type	
	[mm]	[mm]		
P181031	6	45	magnetic-operated	1/1/1
P189903	6	50	spring-operated	1/1/1
P189899	8	45	magnetic-operated	1/1/1
P189898	8	45	spring-operated	1/1/1
P181033	3/8"	45	magnetic-operated	1/1/1
Z541851	-	-	uniwersalna	1/1/1
P189901	10	45	magnetic-operated	1/1/1
P181032	1/4"	-	magnetic-operated	1/1/1



Drills designed to carry out an initial hole for screws in concrete.

DRILL BITS FOR CONCRETE

Product designation	Drills SDS+				Package Separate/ Quantity/ Collective [pcs]
	L	Lr	D	Fastening	
	[mm]	[mm]	[mm]	Type	
PWSDS8110	110	50	8	SDS+	1/1/1
PWSDS8210	210	150	8	SDS+	1/1/1
PWSDS8260	260	200	8	SDS+	1/1/1
PSDS550110	110	50	5	SDS+	1/1/1
PSDS5100160	160	100	5	SDS+	1/1/1
PSDS5150210	210	150	5	SDS+	1/1/1
PSDS5200260	260	200	5	SDS+	1/1/1
PSDS5250310	310	250	5	SDS+	1/1/1
PSDS5300360	360	300	5	SDS+	1/1/1
PSDS5350410	410	350	5	SDS+	1/1/1

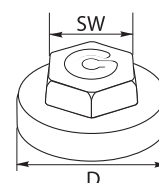


Masking caps made of a modified polyethylene containing UV stabilizers. The caps are manufactured in different RAL colours.

COLOR CAPS MASKING

Designed for placing on the heads of drilling self-tapping screws to visually unify the colour of screws to the colour of the façade or roof of the building.

Product designation	Caps			Package Separate/ Quantity/ Collective [pcs]
	SW	D	Colour	
	[mm]	[mm]	RAL	
P000011	8	19	1002	1000/1/1000
P000021	8	19	1015	1000/1/1000
P000081	8	19	9006	1000/1/1000
P000131	8	19	3016	1000/1/1000
P000171	8	19	9002	1000/1/1000
P000091	8	19	9010	1000/1/1000
P000243	8	19	7024	1000/1/1000



SPRAY PRIMERS

Acrylic paints in a container of 400 ml spray, contain UV stabilizers. Paints are manufactured in different RAL colours, in matt or gloss.

Designed for painting the damaged surface of the steel sheets and screws covering. It is recommended to carefully remove the grease from surfaces to be painted, and follow the instructions for use on the container.



Product designation	Colour	Package Separate/ Quantity/ Collective [pcs]
	RAL	
PFA1002	1002	1/12/12
PFA1015	1015	1/12/12
PFA3000	3000	1/12/12
PFA3005	3005	1/12/12
PFA3009	3009	1/12/12
PFA3011	3011	1/12/12
PFA3016	3016	1/12/12
PFA5002	5002	1/12/12
PFA5005	5005	1/12/12
PFA5010	5010	1/12/12
PFA6005	6005	1/12/12

PFA6011	6011	1/12/12
PFA6020	6020	1/12/12
PFA6029	6029	1/12/12
PFA7011	7011	1/12/12
PFA7024	7024	1/12/12
PFA7035	7035	1/12/12
PFA8004	8004	1/12/12
PFA8017	8017	1/12/12
PFA8019	8019	1/12/12
PFA9002	9002	1/12/12
PFA9003	9003	1/12/12
PFA9005	9005	1/12/12
PFA9006	9006	1/12/12
PFA9010	9010	1/12/12



STICK PRIMERS

Acrylic paints in a container of 20 ml with a brush, contain UV stabilizers. Paints are manufactured in different RAL colours, in matt or gloss.

Designed for spot repair of the damaged surface of the steel sheets and for screws covering. It is recommended to carefully remove the grease from surfaces to be painted, and follow the instructions for use on the container.



Product designation	Colour	Package Separate/ Quantity/ Collective [pcs]
	RAL	
PFAS201002	1002	1/1/1
PFAS201015	1015	1/1/1
PFAS203000	3000	1/1/1
PFAS203005	3005	1/1/1
PFAS203009	3009	1/1/1
PFAS203011	3011	1/1/1
PFAS203016	3016	1/1/1
PFAS205002	5002	1/1/1
PFAS205005	5005	1/1/1
PFAS205010	5010	1/1/1
PFAS206005	6005	1/1/1
PFAS206011	6011	1/1/1

PFAS206020	6020	1/1/1
PFAS206029	6029	1/1/1
PFAS207011	7011	1/1/1
PFAS207024	7024	1/1/1
PFAS207035	7035	1/1/1
PFAS208004	8004	1/1/1
PFAS208017	8017	1/1/1
PFAS208019	8019	1/1/1
PFAS209002	9002	1/1/1
PFAS209003	9003	1/1/1
PFAS209005	9005	1/1/1
PFAS209006	9006	1/1/1
PFAS209010	9010	1/1/1

