PRODUCTS CATALOGUE

TURTLE

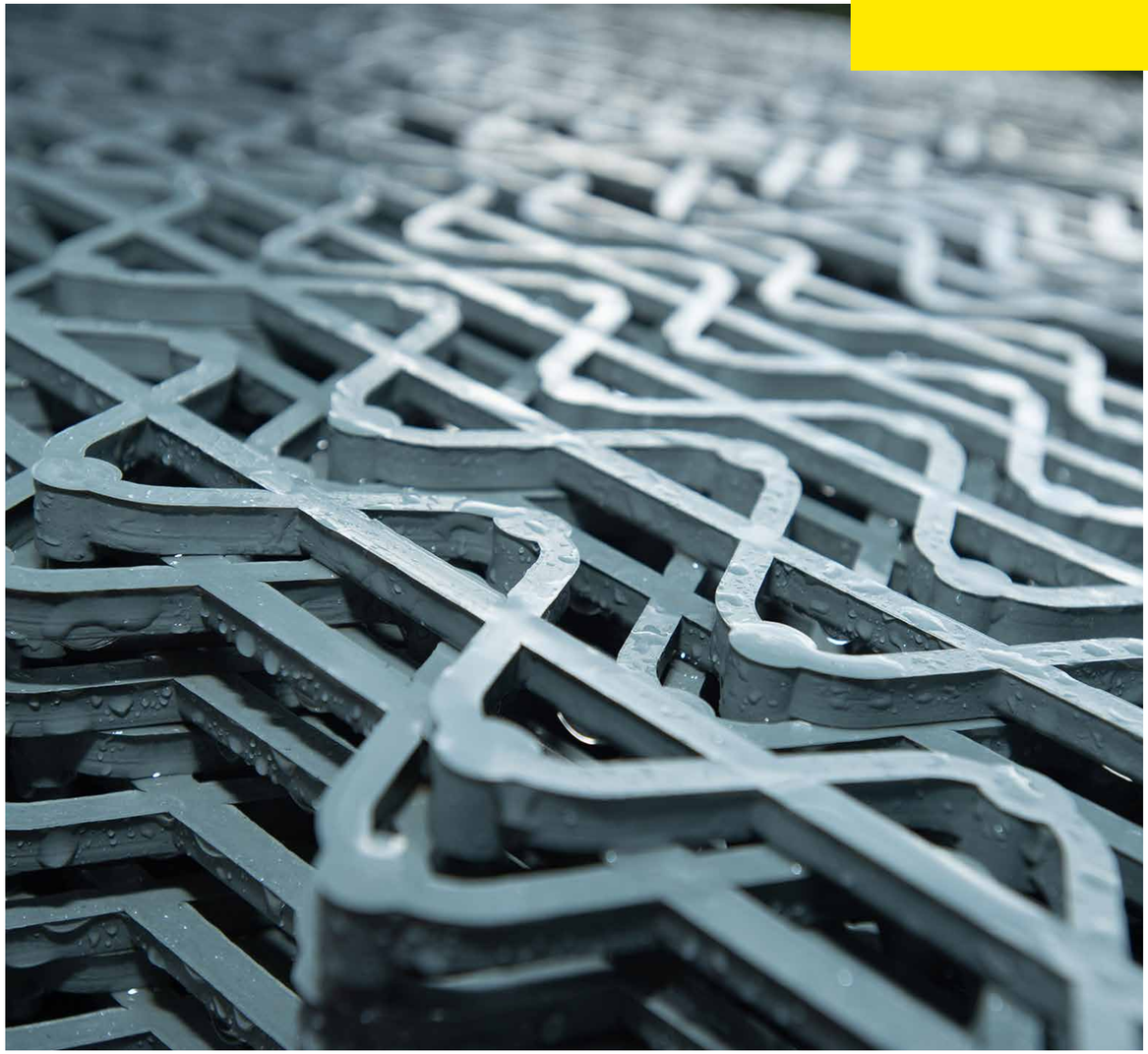
About us

Turtle is a company with **50 years** of experience, founded in 2014.

We are able to produce **million spacers** per year.

+220 products in our catalogue. We respond to new market demands with experience, quality and efficiency.

220+ Products



A young company, with 50 years of experience.

FOR 50 YEARS, MODERN SPACERS.

In the 1970s, construction equipment began to modernise with wooden formwork panels, followed by large-area formwork. This modular system required iron accessories to determine wall thickness and brackets for the ARMO and SAM closure: the **spacers**.

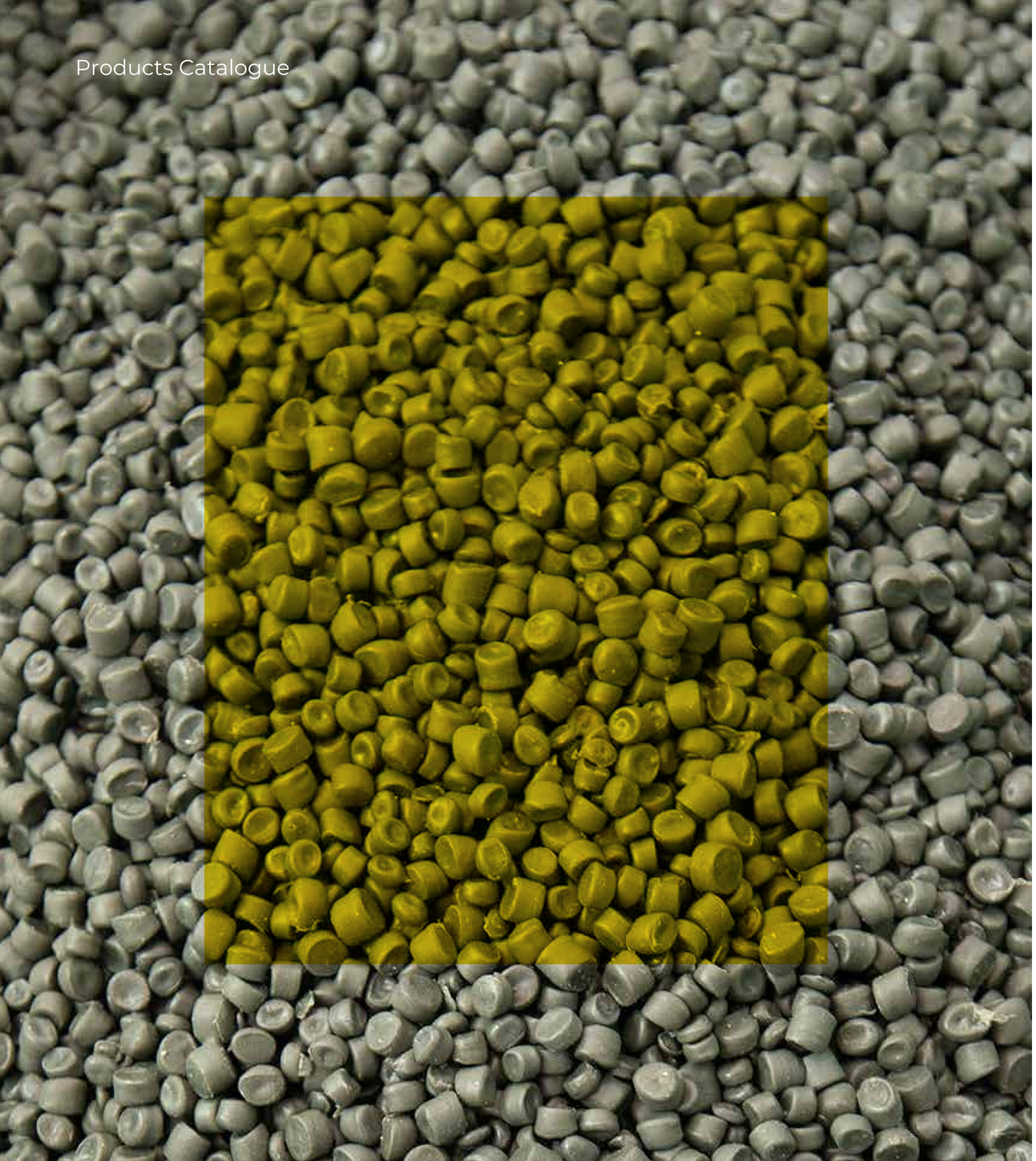
The international industrial construction market, in those years of increase, required for prefabricated construction, a secure cover capable of bridging the distance of the reinforcing iron, from the outer point of the wall; it was on that moment born the intuition of the **plastic spacer**.

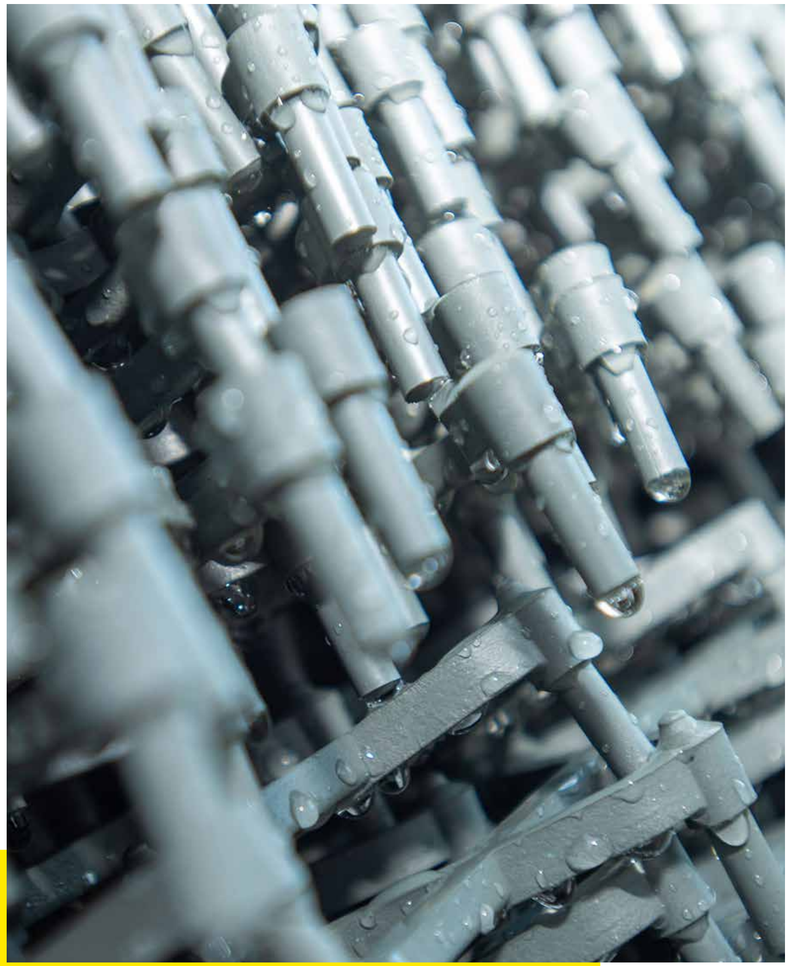
The many customers we met at the most important international trade fairs (e.g. World of Concrete - Las Vegas, Bauma - München, Construmat - Barcelona, Saie - Bologna, Project Lebanon - Beirut) recognised the limitation of using empirical systems that did not guarantee the maximum efficiency of reinforced concrete. These accessories are the starting point of the Buffoni family's more than **50 years'** experience in the construction spacer sector, which has characterised the past of the following companies:

- Plastybeton;
- Plastysa;
- Markaplast.

Turtle s.r.l., founded in 2014, is a company specializing in the production and sale of spacers, nationally and internationally.

The design of new **articles**, with a range of over **220**, and the development of the automated production process allow the production of **millions of spacers per year.**





SUMMARY

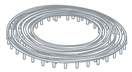
P.6-14

CROSS

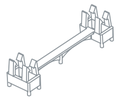
DIANA

ISOLDIANA

STROJKA


SATURN

FAST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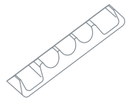
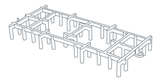
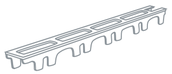

SFF


RAXJ


RAPIDO

PYRAMID

SELLA

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ESTRELLA

ELIOS

APOLLO

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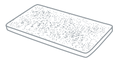
PSF PLATE

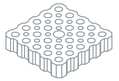
EFFE PLATE

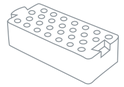
ENNE PLATE

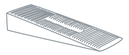

EMME PLATE

ESSE PLATE

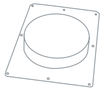
ESSE “U” PLATE


PSMJ PLATE


HERCULES


BLOCK

P.26-28


CABLE GLAND FLANGE

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VENUS

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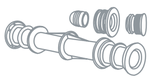
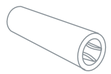

TUBOCOM

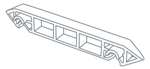
CONUS

PLUG

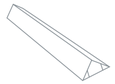
TUBE


CAROTE

MARTE


DAFNE

P.38-41


SMUSSO

GUAINA

TUBE

P.42-44

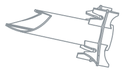
CONCRETE

P.45-47

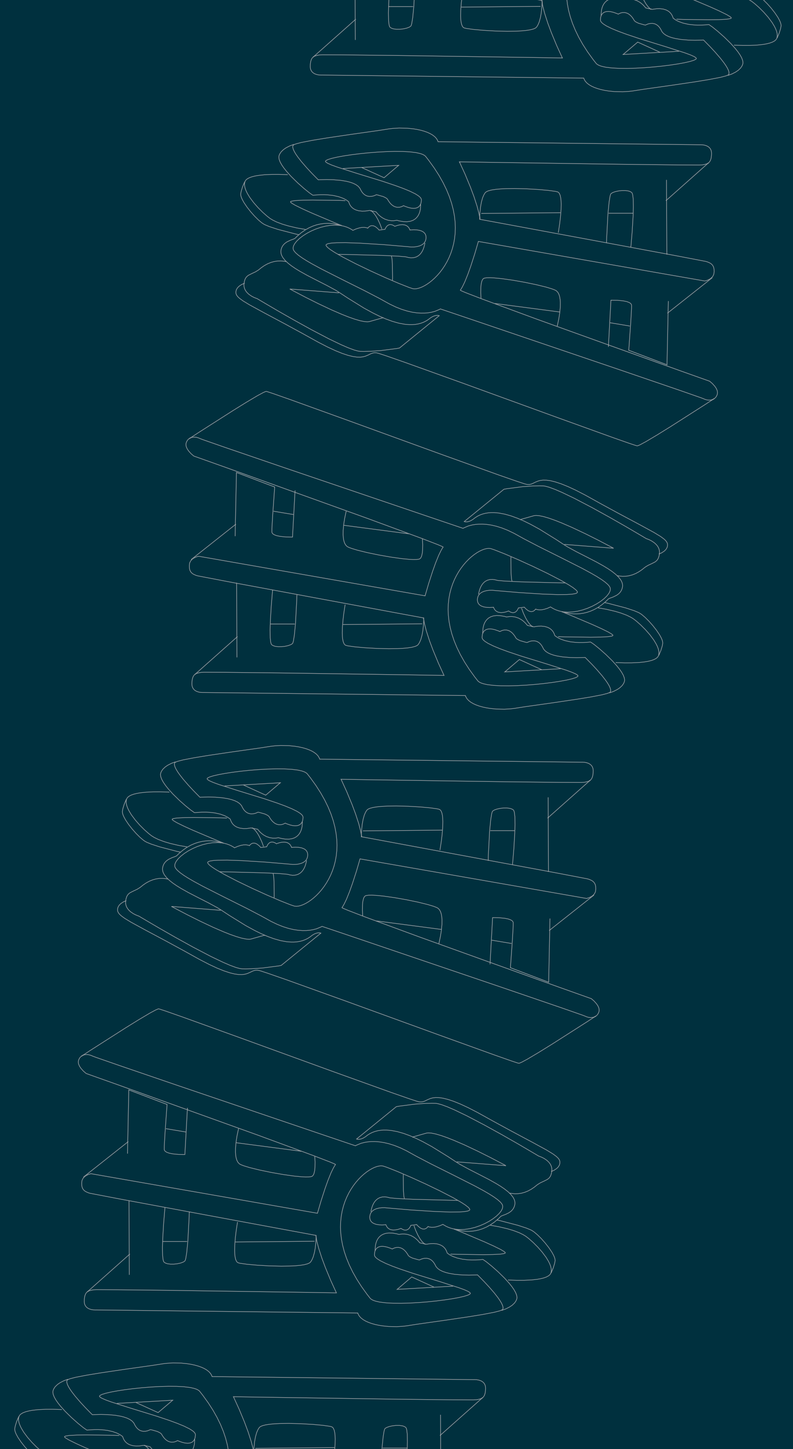
YSA 15X15X15

YSA 16X32X16

P.48-50


SFK SHORT

HORIZONTAL SPACERS



CROSS

Universal type spacer can be used at the intersection of the mesh horizontally and vertically.

CODE	NAME	COVERS	Ø BARS:	PACK	PCS/PLT
CRS10	CROSS 10	10	5/10	2000	162000
CRS10	CROSS 15	15	5/10	2000	144000
CRS20	CROSS 20	20	5/10	2000	108000
CRS25	CROSS 25	25	5/10	1000	90000
CRS30	CROSS 30	30	5/18	500	60000
CRS35	CROSS 35	35	5/18	500	40000
CRS40	CROSS 40	40	5/18	500	45000
CRS50	CROSS 50	50	5/18	500	36000

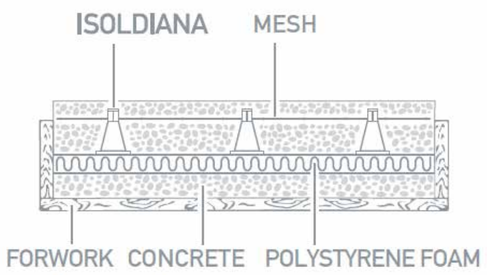
DIANA

Spacer that provides secure attachment and stability.

CODE	NAME	COVER	Ø BARS:	PACK	PCS/PLT
DIA15	DIANA 15	15	6/14	1000	162000
DIA20	DIANA 20	20	6/14	1000	108000
DIA25	DIANA 25	25	6/14	1000	90000
DIA30	DIANA 30	30	6/14	500	50000
DIA35	DIANA 35	35	6/14	500	50000
DIA40	DIANA 40	40	6/14	500	50000

ISOLDIANA

Sturdy spacer to be placed over insulating surfaces (e.g., polystyrene and other insulating materials).



CODE	NAME	COVERS	Ø BARS:	PACK	PCS/PLT
IDIA15	ISOLDIANA 15	15	6/14	1000	162000
IDIA20	ISOLDIANA 20	20	6/14	1000	108000
IDIA25	ISOLDIANA 25	25	6/14	1000	90000
IDIA30	ISOLDIANA 30	30	6/14	1000	50000
IDIA35	ISOLDIANA 35	35	6/14	1000	50000
IDIA 40	ISOLDIANA 40	40	6/14	1000	50000

STROJKA

Very durable 3-cover universal spacer (heights: 20-25-30).

CODE	NAME	PACK	PCS/PLT
JK01	STROJKA - Universal spacer	1000	63000

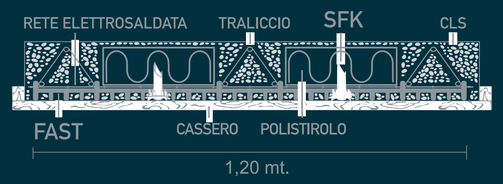
SATURN

Spacer characterized by 6 detachable hoops, for horizontal use.

CODE	NAME	COVER	PACK	PCS/PLT
STR10	SATURN 10	10	100	3600
STR15	SATURN 15	15	100	2700
STR20	SATURN 20	20	100	2500
STR25	SATURN 25	25	100	2500
STR30	SATURN 30	30	50	1800
STR35	SATURN 35	35	50	1800
STR40	SATURN 40	40	50	1800

FAST

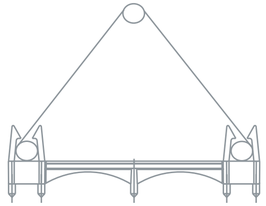
Spacer, high strength, suitable for supporting high loads. The standard length is 1200mm. On request, it can be supplied in pieces of 600mm length or in other sizes.



CODE	NAME	COVER	PACK	PCS/PLT
FST15	FAST 15	15	96	5472
FST20	FAST 20	20	96	4896
FST25	FAST 25	25	96	4320
FST30	FAST 30	30	96	3744
FST35	FAST 35	35	96	2880
FST40	FAST 40	40	96	2592
FST45	FAST 45	45	72	2304
FST50	FAST 50	50	72	2016
FST55	FAST 55	55	72	1728
FST60	FAST 60	60	72	2016

SFT

Spacer for iron trellis.



CODE	NAME	COVERS	Ø BARS:	PACK	PCS/PLT
SFT15	DITRAL 15	15	2/10	1000	10000
SFT20	DITRAL 20	20	2/10	1000	10000
SFT25	DITRAL 25	25	2/10	1000	10000
SFT30	DITRAL 30	30	2/10	1000	10000

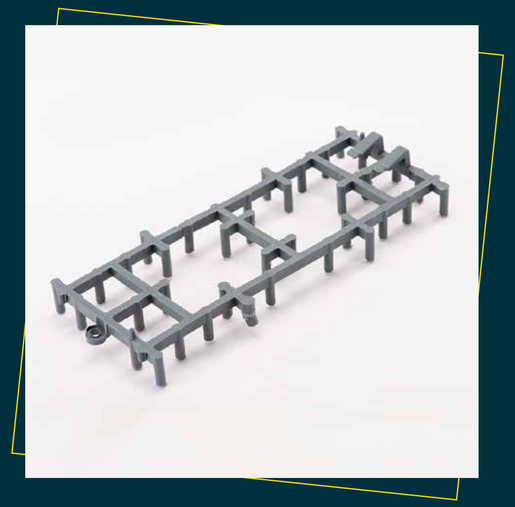
SFF

Horizontal spacers.

CODE	NAME	PACK	PCS/PLT
SFF	X FONDELLO	1000	40000

RAXJ

Spacer for horizontal and vertical use, for nets and armor letters, equipped with great stability.



CODE	NAME	COVER	PACK	PCS/PLT
RAX10	RAXJ 10	10	400	12000
RAX15	RAXJ 15	15	400	12000
RAX20	RAXJ 20	20	300	9000
RAX25	RAXJ 25	25	250	7500
RAX30	RAXJ 30	30	250	7500
RAX35	RAXJ 35	35	200	5400
RAX40	RAXJ 40	40	150	4050
RAX50	RAXJ 50	50	150	4050

RAPIDO

U-shaped spacer profile, easy to install and durable. Holes allow maximum penetration of concrete.
The product in is made of PVC, regenerated and environmentally friendly.

CODE	NAME	COVER		PACK 2mt	PACK 1mt	PCS/PLT
RAP15	RAPIDO 15	15	6/12	100	50	126000
RAP20	RAPIDO 20	20	6/12	100	50	126000
RAP25	RAPIDO 25	25	6/12	100	50	126000
RAP30	RAPIDO 30	30	6/12	100	50	126000
RAP35	RAPIDO 35	35	6/12	50	25	126000
RAP40	RAPIDO 40	40	6/12	50	25	126000
RAP50	RAPIDO 50	50	6/12	50	25	126000

PYRAMID

Spacer, equipped with a wide, stable and durable base.

CODE	NAME	COVERS	Ø BARS:	PCS/PLT
PYR2530	PYRAMID 25/30	25/30	16	400
PYR3540	PYRAMID 35/40	35/40	16	200
PYR5060	PYRAMID 50/60	50/60	16	200
PYR7080	PYRAMID 70/80	70/80	16	200
PYR90100	PYRAMID 90/100	90/100	16	100

SELLA

Spacer of horizontal use.

CODE	NAME	COVERS	Ø BARS:	PACK	PCS/PLT
SE15	SELLA 15	15	0/16	2000	144000
SE20	SELLA 20	20	0/16	2000	108000
SE25	SELLA 25	25	0/16	1000	90000
SE30	SELLA 30	30	0/16	1000	60000
SE40	SELLA 40	40	0/16	500	45000
SE50	SELLA 50	50	0/16	500	36000

COMPACT 2 CNC
TecnoMatic

NEGRI BOSSI
270-1450
TecnoMatic

COMPACT 2 CNC
TecnoMatic

VERTICAL SPACERS

ESTRELLA

Spacer for vertical use that, through its special shape, fits different diameters of rebar.

CODE	NAME	COVER	Ø BARS	PACK	PCS/PLT
EST15	ESTRELLA 15	15	6/12	2000	126000
EST20	ESTRELLA 20	20	6/12	1000	90000
EST25	ESTRELLA 25	25	6/12	1000	63000
EST30	ESTRELLA 30	30	6/12	1000	54000
ESTL30	ESTRELLA 30 Large	30	6/18	500	27000
EST35	ESTRELLA 35	35	6/12	500	27000
EST40	ESTRELLA 40	40	6/12	500	22500
EST50	ESTRELLA 50	50	6/12	250	13500
ESTL50	ESTRELLA 50 Large	50	12/20	250	11250
EST60	ESTRELLA 60	60	12/20	250	9000
EST75	ESTRELLA 75	75	12/20	125	5250

ELIOS

Vertical spacers.

CODE	NAME	COVER	Ø BARS	PACK	PCS/PLT
LOS10	ELIOS 10	10	4/8	2000	432000
LOS15	ELIOS 15	15	4/8	2000	100000
LOS20	ELIOS 20	20	4/8	2000	108000
LOS25	ELIOS 25	25	6/12	1000	63000
LOS30	ELIOS 30	30	6/12	1000	63000
LOS40	ELIOS 40	40	6/12	500	27000
LOSL40	ELIOS 40 Large	40	14/20	500	22500

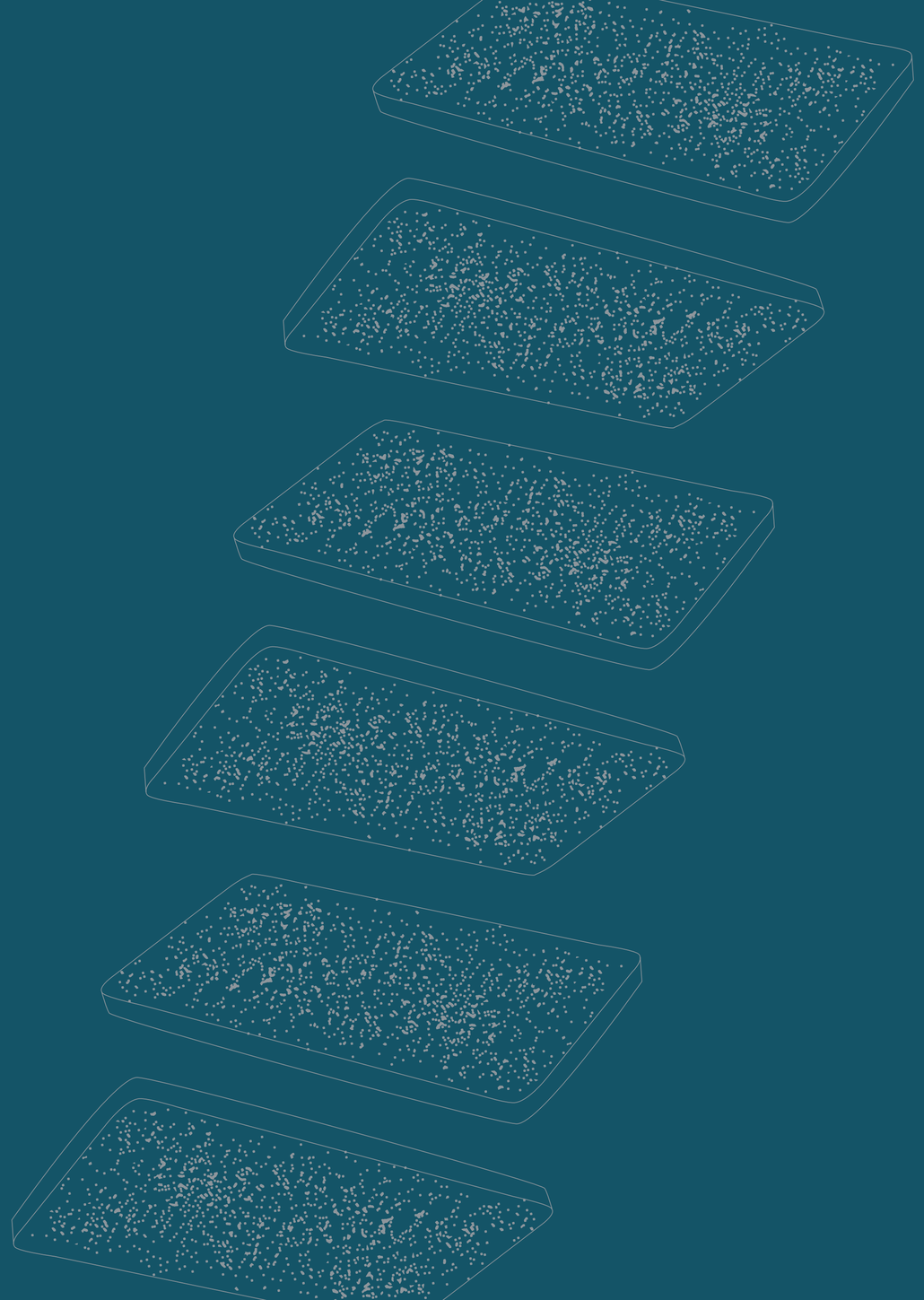
APOLLO

Spacer with minimum profile.

CODE	NAME	COVER	Ø BARS	PACK	PCS/PLT
APO155	APOLLO 15	15	5/8	1000	154000
APO205	APOLLO 20	20	5/8	1000	154000
APO255	APOLLO 25	25	5/8	1000	154000
APO305	APOLLO 30	30	5/8	1000	154000
APO405	APOLLO 40	1540	5/8	1000	154000

COMPACT 2 CNC
YIZUMI
UN280 A5-EU

PLATES



PSF PLATE

Storage shim for lightweight prefabricated panels. It's used for transportation and on corner panels.

CODE	NAME	HEIGHT	PACK	PCS/PLT
PSF10	MEDIUM STORAGE PLATE 10	10 + 10	250	10000

EFFE PLATE

Thickness suitable for concrete panels.

CODE	NAME	THICKNESS	PACK	PCS/PLT
PSF02	EFFE PLATE 02	2	1000	81000
PSF03	EFFE PLATE 03	3	1000	72000
PSF05	EFFE PLATE 05	5	400	32400
PSF09	EFFE PLATE 09	9	250	18000

ENNE PLATE

Thickness suitable for the assembly of prefabricated panels.

CODE	NAME	THICKNESS	PACK	PCS/PLT
PSN02	ENNE PLATE 02	2	1000	36000
PSN03	ENNE PLATE 03	3	750	36000
PSN05	ENNE PLATE 05	5	400	18000
PSN10	ENNE PLATE 10	10	240	14400
PSN15	ENNE PLATE 15	15	160	10000
PSN20	ENNE PLATE 20	20	150	7000

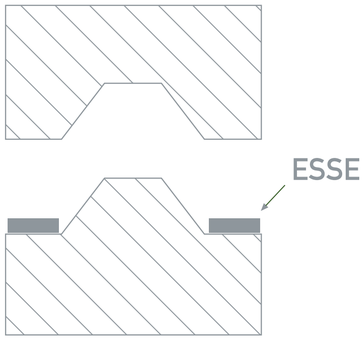
EMME PLATE

Thickness suitable for the assembly of prefabricated panels.

CODE	NAME	THICKNESS	PACK	PCS/PLT
PSM02	EMME PLATE 02	2	400	18000
PSM03	EMME PLATE 03	3	300	18000
PSM05	EMME PLATE 05	5	200	9000
PSM10	EMME PLATE 10	10	100	7200
PSM15	EMME PLATE 15	15	50	5000
PSM20	EMME PLATE 20	20	65	1755

ESSE PLATE

Thickness suitable for the assembly of prefabricated panels.



CODE	NAME	THICKNESS	DIMENSIONS	PACK	PCS/PLT
PTS2	ESSE PLATE 2	2	30x170 / 45x70	1000	162000
PTS3	ESSE PLATE 3	3	30x170 / 45x70	1000	144000
PTS5	ESSE PLATE 5	5	30x170 / 45x70	500	48600
PTS10	ESSE PLATE 10	10	30x170 / 45x70	500	28800

ESSE “U” PLATE

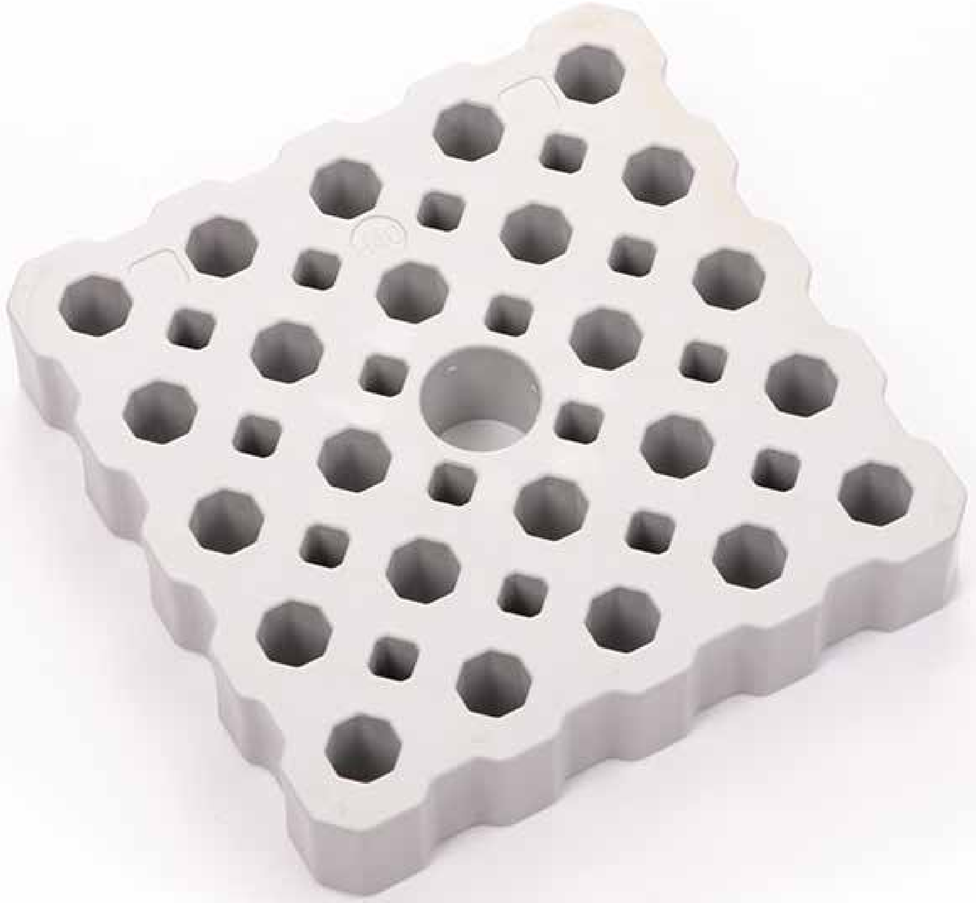
Thickness used in the case where there is a rod between two prefabricated elements.

CODE	NAME	THICKNESS	PACK	PCS/PLT
PTS2/2	ESSE “U” PLATE 2	2	500	36000
PTS2/3	ESSE “U” PLATE 3	3	500	36000
PTS2/5	ESSE “U” PLATE 5	5	300	18000
PTS2/10	ESSE “U” PLATE 10	10	200	14400
PTS2/15	ESSE “U” PLATE 15	15	150	10000
PTS2/220	ESSE “U” PLATE 20	20	100	7500

PSMJ PLATE

Plate for pillars equipped with a 32mm central hole suitable for the passage of anchor iron.

CODE	NAME	THICKNESS	DIMENSIONS	PACK	PCS/PLT
PSMJ40	PSMJ PLATE 40	40	200 x 200	200	780



Turtle s.r.l. - PLATES

HERCULES

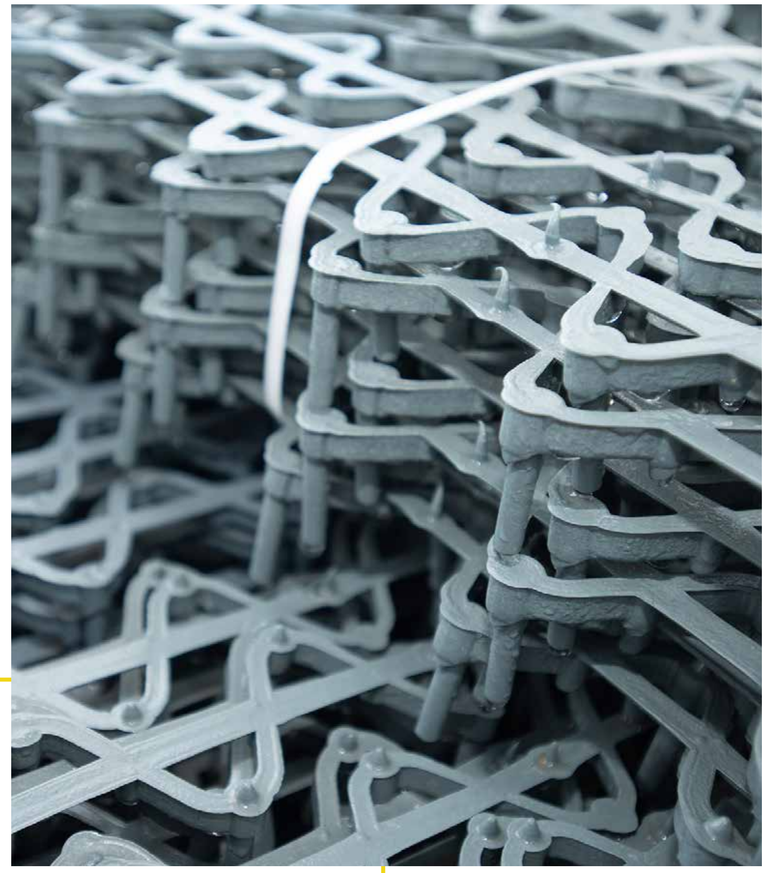
Thickness suitable for assembly of prefabricated panels, high strength.

CODE	NAME	DIMENSIONS	PACK	PCS/PLT
PSM40	PIASTRA EMME PESANTE 40	40 x 70 x 70	65	1755

BLOCK

Wedge suitable for leveling prefabricated panels.

CODE	NAME	DIMENSIONS	PACK	PCS/PLT
BLK1	BLOCK UNO	80 x 45 x 15	200	18000



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ACCESSORIES FOR ELECTRICALS CABINS

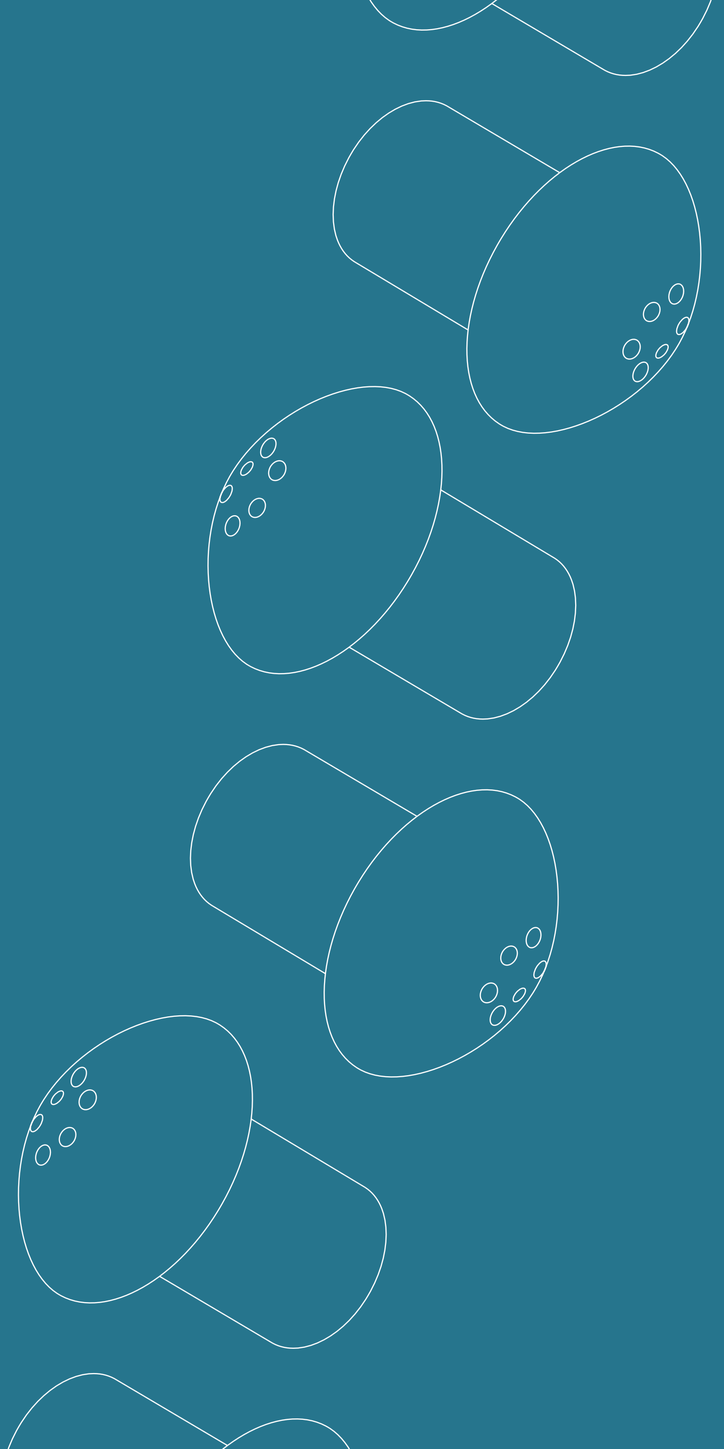
CABLE GLAND FLANGE

PVC cable gland flange, 200mm diameter, for prefabricated CLC electrical substations.

CODE	NAME	PCS/PLT
FLN01	FLANGIA 20	342

ATTI
RONDELLA

SAFETY



VENUS

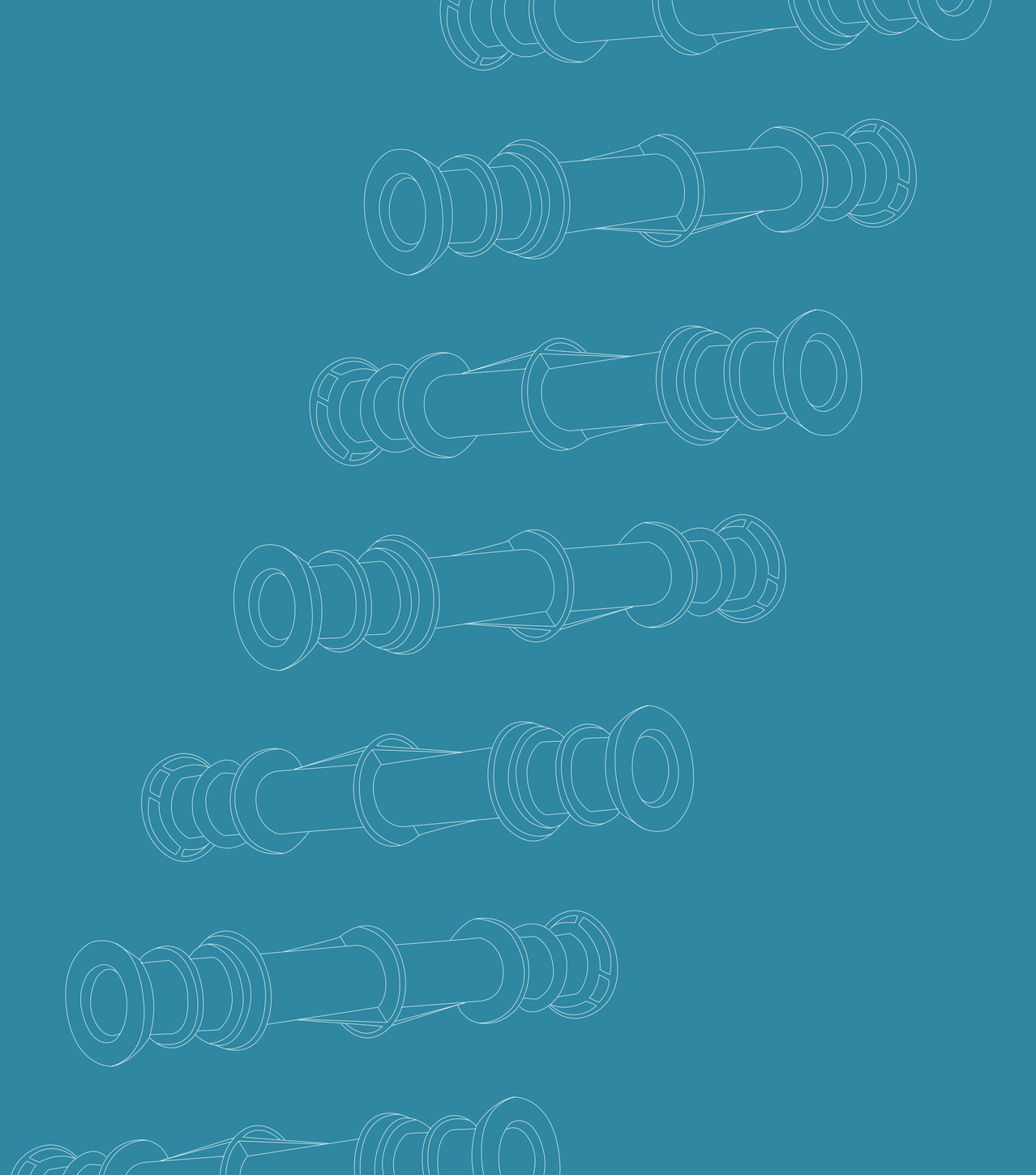
Protection system suitable for shooting irons. Such protection, in the shape of a mushroom, is highly visible, durable and prevents accidents to operators.

CODE	NAME	Ø BARS	PACK	PCS/PLT
VNS03	VENUS 620 Light	6/20	200	23400
VNS04	VENUS PROTECTOR	6/20	200	16200
VNS05	VENUS	6/20	200	20000

VOLVO

1
2
3
4
5

FORMWORK ACCESSORIES



TUBOCOM / ERMETIC

Spacer tube for formwork, equipped with pre-molded conus, which provides a pressure resistance of 15 bar. The inner diameter of the tube is 22mm, to which the two plugs are to be inserted.

CODE	NAME	LENGHT	PACK	PCS/PLT
TBC15	TUBOCOM 15 Printed	150	100	9900
TBC20	TUBOCOM 20 Printed	200	100	8100
TBC25	TUBOCOM 25 Printed	250	100	6300
TBC30	TUBOCOM 30 Printed	300	100	5400
TBC35	TUBOCOM 35 with joint	350	100	4500
TBC40	TUBOCOM 40 with joint	400	50	3000
TBC50	TUBOCOM 50 with joint	450	50	2500
RMA22	EXTERNAL PLUG ERMETIC “A”		200	144000
RMB22	CONUS ERMETIC “B”		200	48000
RMC22	PLUG INTERNO ERMETIC “C”		200	132000

CONUS

Cone for rigid tube.

CODE	NAME	Ø mm	PACK	PCS/PLT
CNS20	CONUS 20	20	1000	100000
CNS22	CONUS 22	22	1000	90000
CNS26	CONUS 26	26	1000	54000

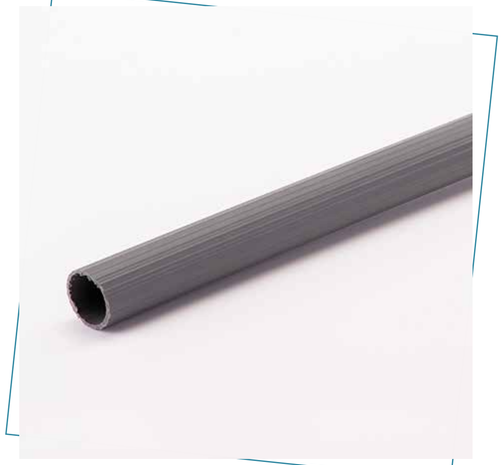
PLUG

Plug for rigid tube.

CODE	NAME	Ø mm	PACK	PCS/PLT
PLG14	PLUG 14	14	1000	240000
PLG15	PLUG 15	15	1000	240000
PLG17	PLUG 17	17	1000	240000
PLG18	PLUG 18	18	1000	240000
PLG20	PLUG 20	20	1000	240000
PLG22	PLUG 22	22	1000	240000
PLG26	PLUG 26	26	1000	126000
PLG45	PLUG 45	45	500	60000

TUBE

Rigid PVC pipe suitable for formwork, 2000mm in length.



CODE	NAME	Ø mm	LENGHT mm	PACK	PCS/PLT
PTB20	FORMWORK TUBE 20	20 / 24	2000	50	5000
PTB22	FORMWORK TUBE 22	22 / 26	2000	50	7200
PTB26	FORMWORK TUBE 26	26 / 31	2000	50	3500

CAROTE

Durable and recoverable PVC cone for iron formwork.

CODE	NAME	LENGHT	PACK	PCS/PLT
CRT15	CAROTE 15 blu	150	25	2250
CRT16	CAROTE 16 green	160	25	2250
CRT18	CAROTE 18 gray	180	25	2250
CRT20	CAROTE 20 black	200	25	1875
CRT25	CAROTE 25 red	250	25	1500

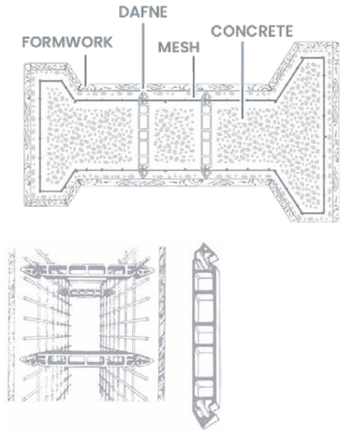
MARTE

Plastic artifact to allow anchoring to bushings.

CODE	NAME	THREADED RETAINING	PACK	PCS/PLT
MRT12	MARTE 12	12	1000	63000
MRT14	MARTE 14	14	1000	63000
MRT16	MARTE 16	16	1000	54000
MRT18	MARTE 18	18	1000	54000
MRT20	MARTE 20	20	1000	54000
MRT24	MARTE 24	24	500	36000

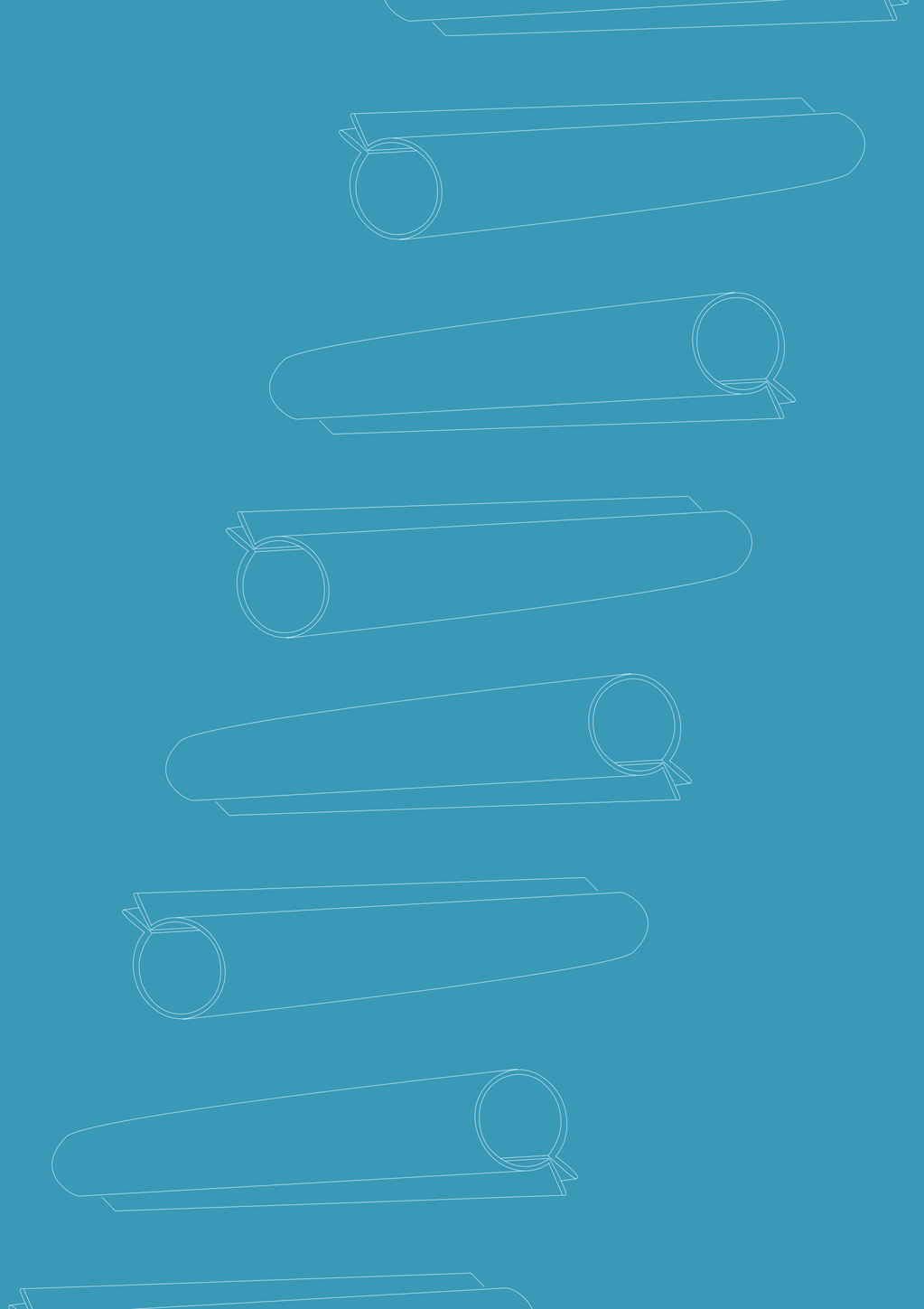
DAFNE

Spacer for double net.



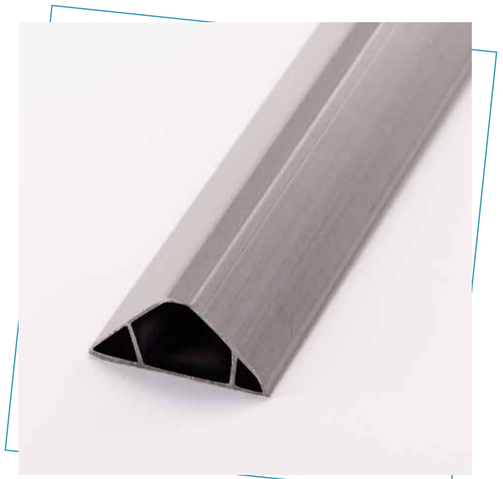
CODE	NAME	COVER	THICKNESS	PACK	PCS/PLT
DFN10	DAFNE 10020	20	100	1000	63000

PROFILES



SMUSSO

Profile suitable for creating bevels.



CODE	NAME	HIPOTHENUSE WIDTH	LENGHT mm	PACK	PCS/PLT
PSM20	SMUSSO 20	20	2000	100	10000
PSM25	SMUSSO 25	25	2000	100	15000
PSM30	SMUSSO 30	30	2000	100	10000

GUAINA

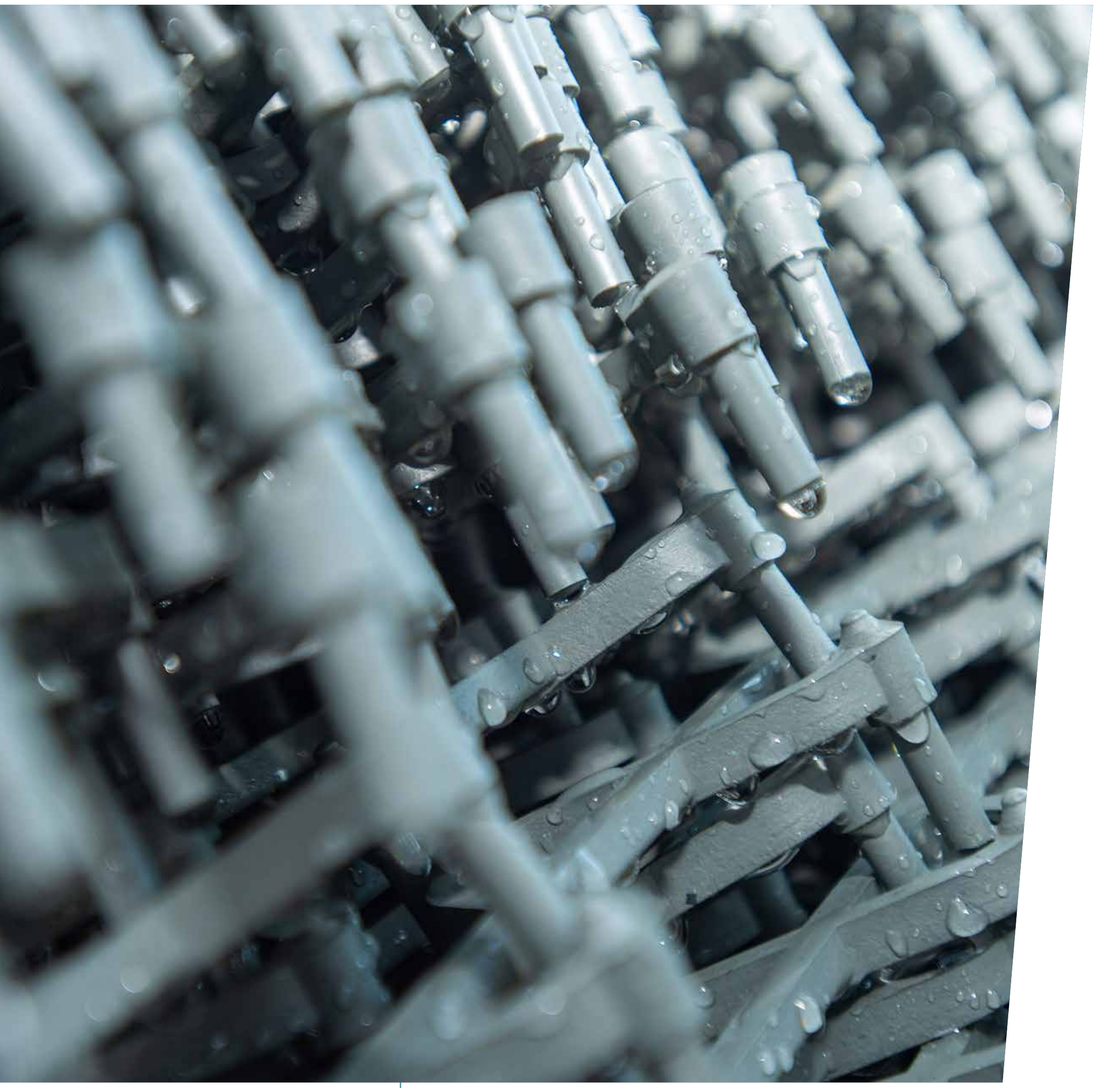
PVC strand sheathing.

CODE	NAME	LENGHT	PACK	PCS/PLT
PGU05	GUAINA x TREFOLO 0.5	3000	150	20000
PGU06	GUAINA x TREFOLO 0.6	3000	150	15000

TUBE

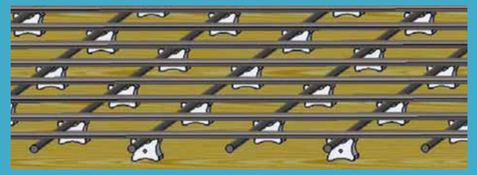
Rigid formwork pipe, 2000mm in length.

CODE	NAME	Ø mm	LENGHT mm	PACK	PCS/PLT
PTB20	FORMWORK TUBE 20	20 / 24	2000	50	5000
PTB22	FORMWORK TUBE 22	22 / 26	2000	50	7200
PTB26	FORMWORK TUBE 26	26 / 31	2000	50	3500

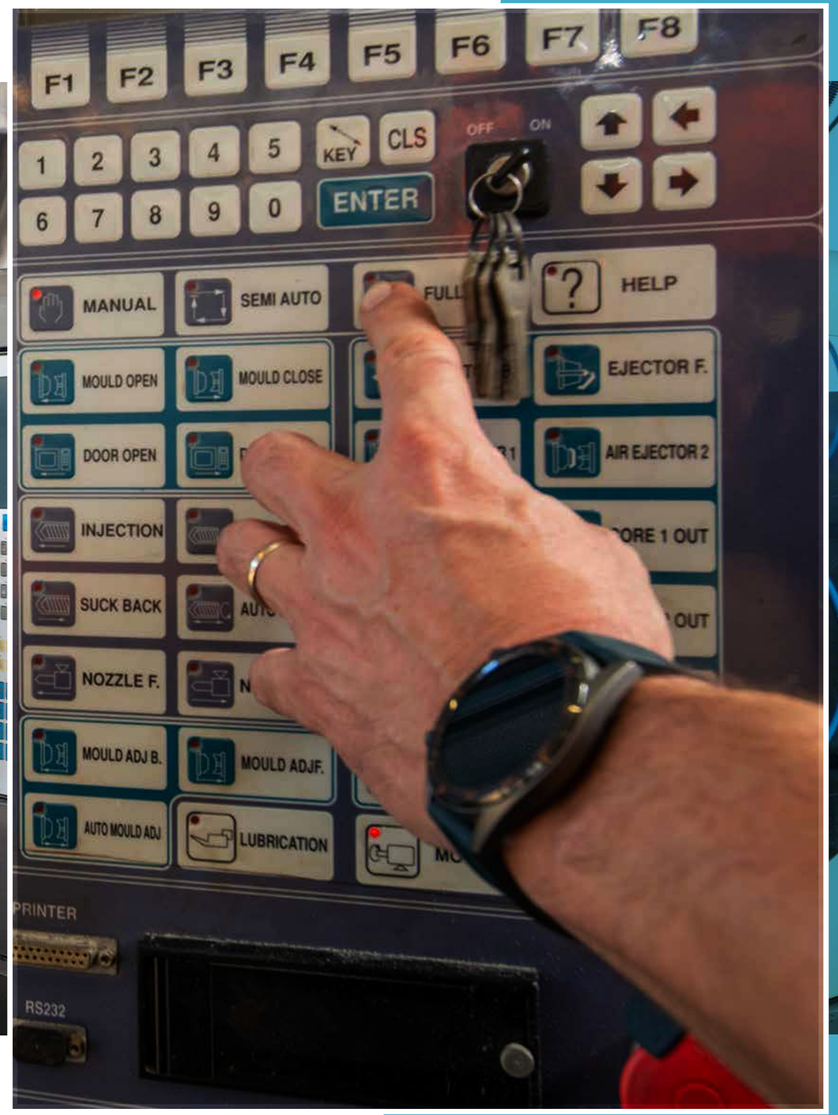


CONCRETE

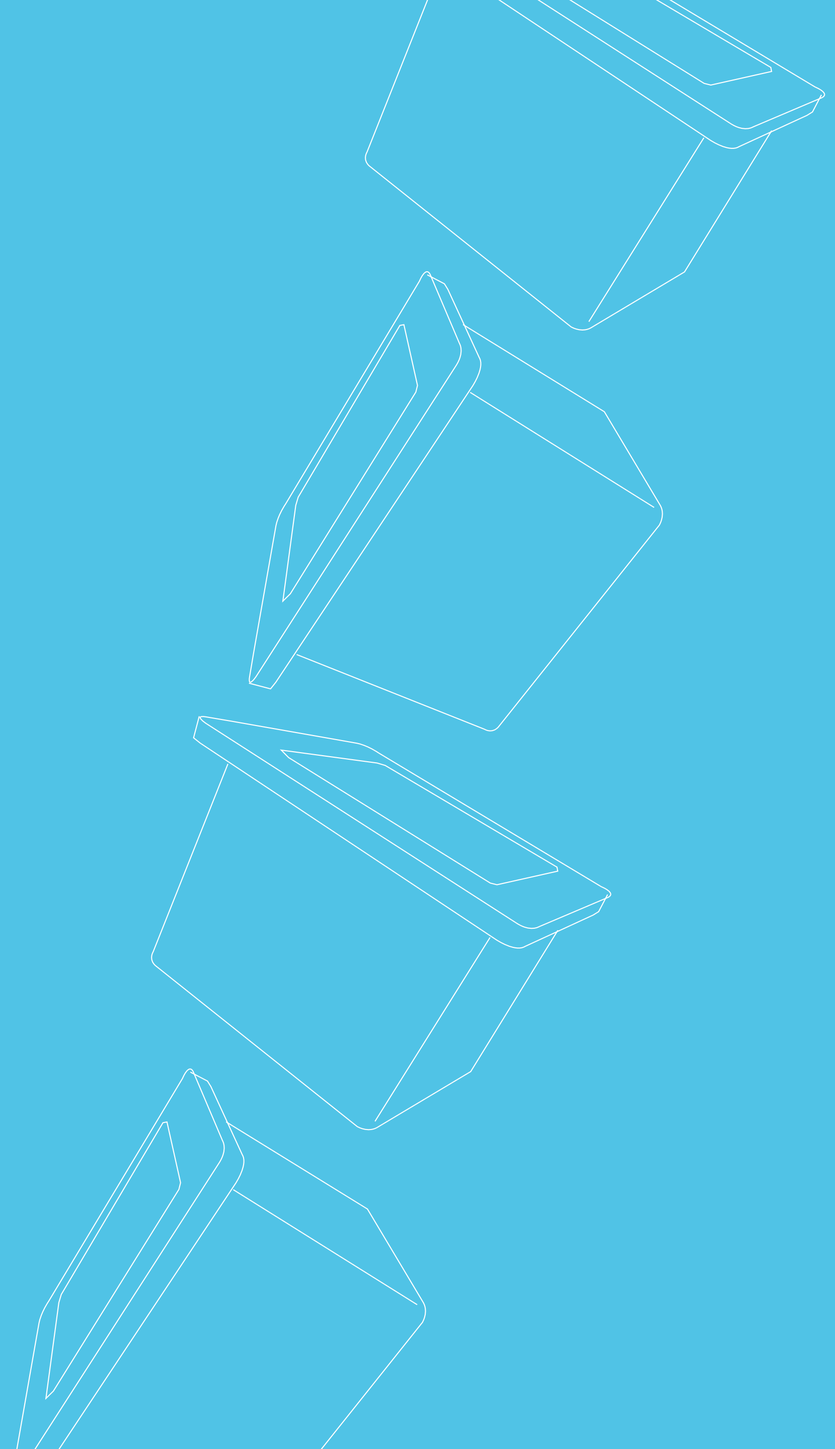
SPACERS WITH GALVANIZED WIRE FOR BINDING



CODE	NAME	CONCRETE COVER mm	PACK	Kg x PALLET	PCS / PLT
X20/25/30F	DISTANZIATORI SINGOLI 20/25/30F	20 - 25 - 30	1000	750	25000
X35/40/50F	DISTANZIATORI SINGOLI 35/40/50F	35 - 40 - 50	250	965	10000
X45/55/60F	DISTANZIATORI SINGOLI 45/55/60F	45 - 55 - 60	125	965	5000


F1
F2
F3
F4
F5
F6
F7
F8
1
2
3
4
5
KEY
CLS
OFF
ON
6
7
8
9
0
ENTER
MANUAL
SEMI AUTO
HELP
MOULD OPEN
MOULD CLOSE
EJECTOR F.
DOOR OPEN
AIR EJECTOR 2
INJECTION
SUCK BACK
NOZZLE F.
MOULD ADJ B.
MOULD ADJF.
AUTO MOULD ADJ
LUBRICATION
PRINTER
RS232

CUBETTIERS



YSA CUBETTIER 15x15x15

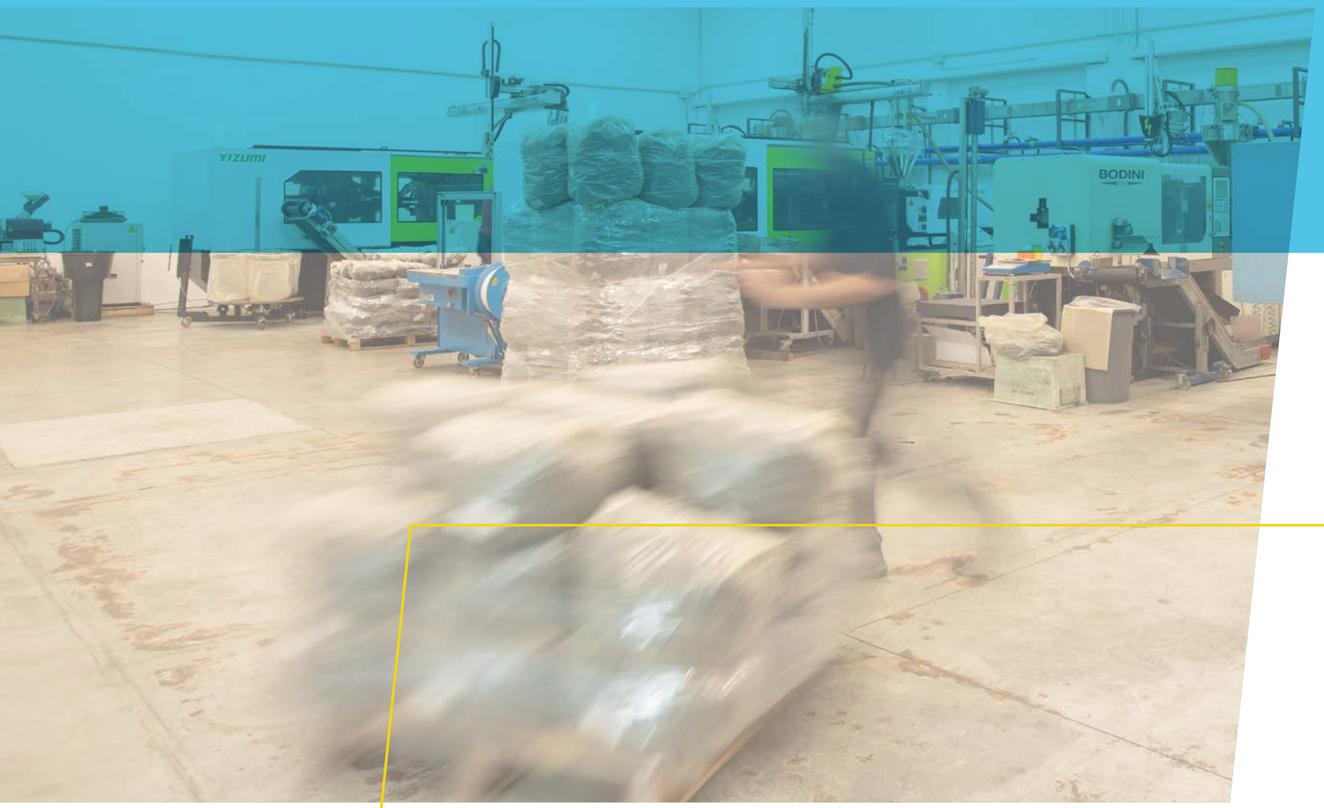
Cubicle box, made of high-density polyurethane foam, is suitable for creating concrete cylinder for testing (according to UNI EN 12390-1:2021).
The specimen is ejected from the hole, located in the center of the base, with simple water/air pressure at maximum 2.5 atm.

CODE	NAME	PACK	PCS / PLT
YSA15	YSA CUBETTIER 15 x 15 x 15	12	192

YSA CUBETTIER 16x32x16

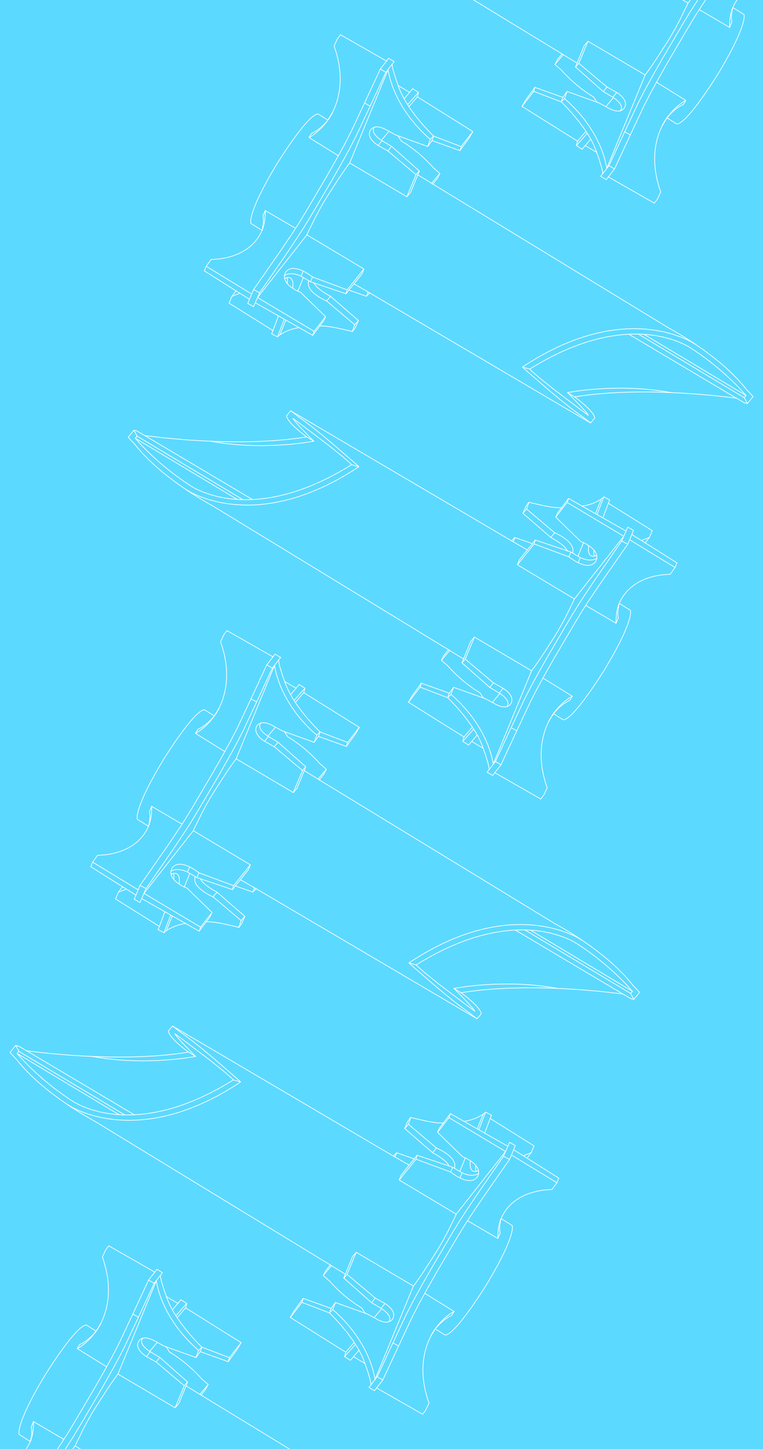
Cylindrical cubicles made of high-density polyurethane foam, suitable for creating concrete cylinder for testing (according to UNI EN 12390-1:2021).
The specimen is ejected from the hole, located in the center of the base, with simple water/air pressure at maximum 2.5 atm.

CODE	NAME	PACK	PCS / PLT
YSA56	YSA CUBETTIER 16 x 32 x 16	12	192


YIZUMI
BODINI

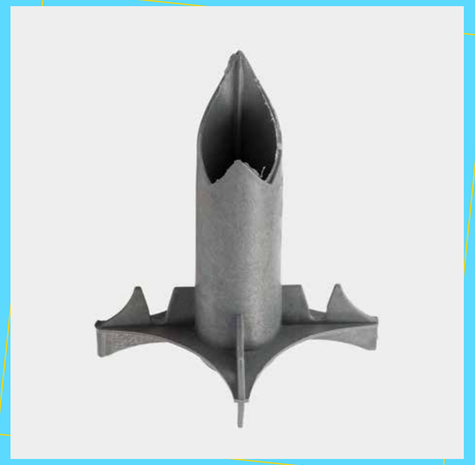
TecnoMatic
TecnoMatic

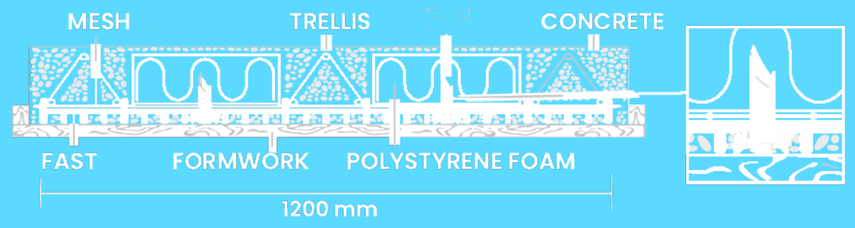
VENT



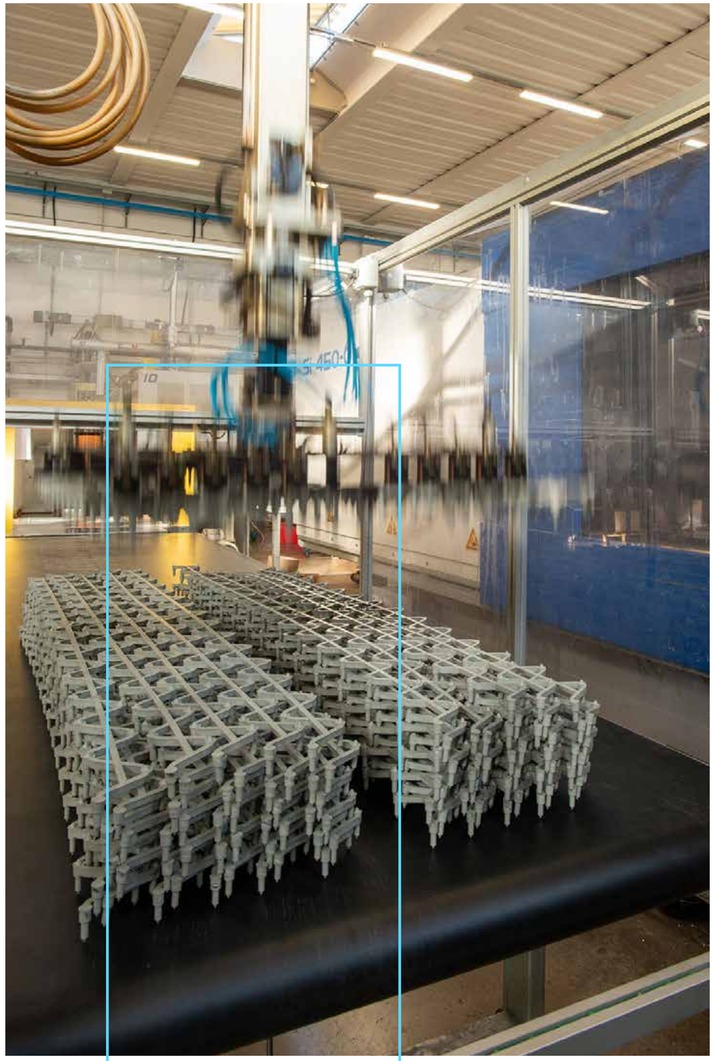
SFK SHORT

Safety vent used for gas expulsion in the event of a fire in the insulating panel/slab.





CODE	NAME	PACK	PCS / PLT
SFK	AREATOR-SFK	400	10000



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