

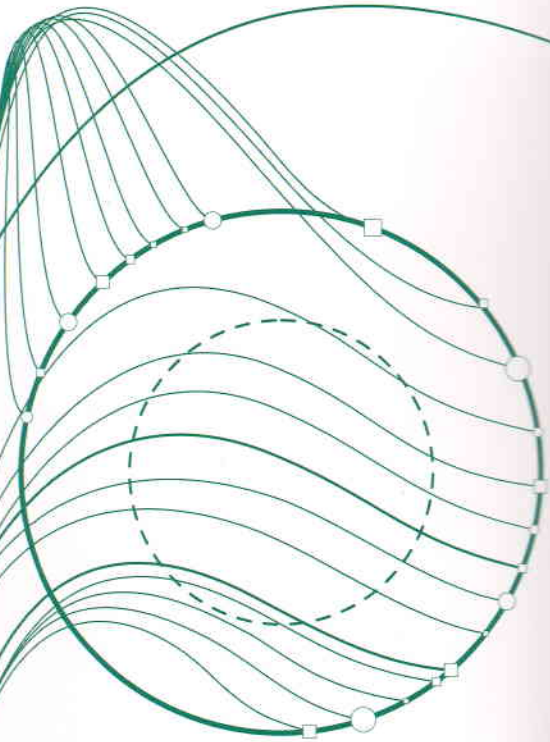
poly





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## O nama


**POLY d.o.o. za proizvodnju, usluge i promet**  
Stankove Bare b.b. 75 324 Stjepan Polje - Gračanica, Bosna i Hercegovina  
je privatno preduzeće osnovano 1998. godine.

## OSNOVNA DJELATNOST:

**Proizvodnja i prodaja:** plastičnih proizvoda za građevinarstvo i PE folija i vrećica sa štampom i bez štampe, tehnološkim postupcima prerade: brizganje i ekstruzija.

## Veletrgovina:

Uvoz i prodaja repromaterijala za plastičare  
a) Granulati polimera ; PP, HDPE, LDPE, PS i tehničkih polimera po narudžbi.

\*Ekskluzivni smo distributeri za prodaju HDPE Liten i PP Mosten (fabrika:  Unipetrol RPA s.r.o. - Češka).

b) Boja i aditiva za polimere; PP, PE, PS i PET.

c) Izvoz plastičnih proizvoda POLY - ja za centralno grijanje, vodu i elektroinstalacije

**Veleprodaja** kompletnog programa proizvoda za instalacije centralnog grijanja (zidno, podno, etažno) vlastite proizvodnje i renomiranih proizvođača/dobavljača.

**Usluge:** Pored vlastitog asortimana proizvoda i trgovine, uvažanim partnerima nudimo uslužno: brizganje i ekstruziju na našim raspoloživim mašinama - strojevima.

Uslužno vršimo izvoz na INO tržište proizvoda od plastičnih masa za građevinarstvo.




## about us

**POLY Ltd. for the production, services and the traffic Stankove Bare b.b. 75324 Stjepan Polje - Gračanica, Bosna i Hercegovina is the private company which was established in 1998.**

### **CORE BUSINESS ACTIVITY:**

**Production and sales:** of plastic products for the civil engineering and PE films and bags with print and without print, technological modify processes: gushing and extrusion.

**Wholesale businesses:** Import and sales of input materials for plastic products manufacturers  
a) Polymer Granules ; PP, HDPE, LDPE, PS and technical polymers in order.

\* We are Exclusive distributors for sale of HDPE Liten and PP Mosten (factory:  Unipetrol RPA , s.r.o. - Czech Republic)

b) Colours and additives for polymers ; PP, PE, PS and PET.

c) Export of plastic products POLY for the central heating, pipeline (plumbing) and electric installations

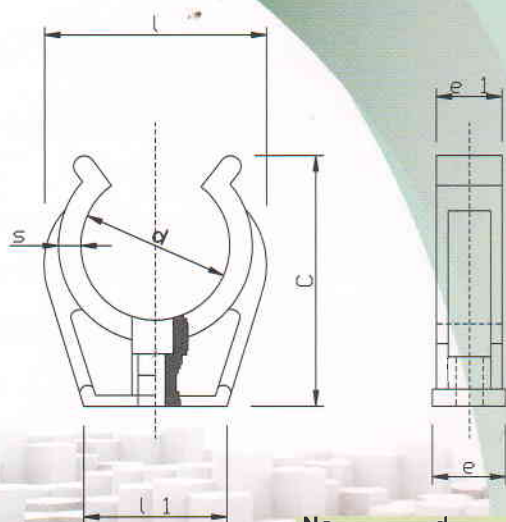
**Wholesales** of complete program of products for the installation of central heating (wall, underfloor, subdivision) the personal production and respectable manufacturers / the supplier.

**Services:** The next to personal assortment of products and trades, distinguished partners are obligingly offered: gushing and extrusion on our available machines.

We obligingly perform the export of product from plastic masses for the civil engineering on the market abroad.



# Nosač jednoredni One-row Girder



05

No	d	l	l1	c	e	e1	s
10	9,7	16,8	12,5	22,5	15,8	12	2,8
12	11,9	20	12,5	25,5	15,8	10,4	2,8
14/15	14,5	22,8	14,5	29,3	16	13,2	3,5
18	17,6	25,7	16,8	34,6	16	13,2	3
20/22	20,5	29,5	17,7	41,8	16	13	3,3
28	26,7	38,3	24,5	50,6	16,5	13,5	4,6
35	34,2	48	31,5	56	16,5	14	4,5

Šifra artikla Code of article	Oznaka Ref. Code	Pakovanje; osnovno/zbirno Packaging ; basic / collective
01-01	No 10	100/5500
01-02	No 12	100/4500
01-03	No 14/15	100/4000
01-04	No 18	100/3000
01-05	No 20/22	50/2500
01-06	No 28	50/1500
01-07	No 35	25/1000

**Namjena:** Pričvršćivanje bakarnih (Cu) cijevi kod instalacija zidnog jednocijevnog grijanja.

**Osobine:** Pozicije su urađene od visoko kvalitetnog PP copolymera uz dodatak aditiva i boje, tehnološkim postupkom injekcijskog brizganja, što proizvodu daje visoku udarnu žilavost, tvrdoću, čvrstoću i termičku postojanost za primjenu u temperaturnom području od -10° do +118° C.

**Dimenzije:** Prema crtežu i priloženoj tabeli.

**Boja:** Bijela ili po zahtjevu kupca za minimalnu seriju od 10 000 komada.

**Pakovanje:** Količinski prema priloženoj tabeli. Osnovno u PE vrećicu a zbirno u kartonsku kutiju.

**Purpose:** fastening of the cuprous (Cu) pipes at installations of wall single-barrelled heating.

**Characteristics:** Positions have been made of high-grade quality PP copolymer including additives and color, with technological process of the injection gushing, that provides the high impact toughness of the product, solidity, strength and the thermal stability for application in the temperature range from -10° up to +118° C.

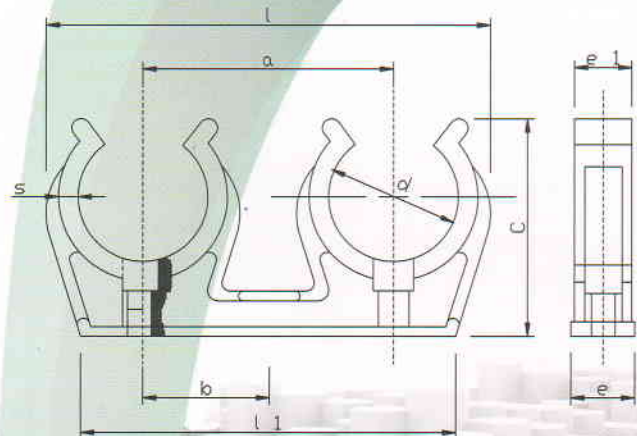
**Dimensions:** Towards the figure and the enclosed table.

**Colour:** White or on the request of buyer for the minimum series of 10 000 pieces.

**Packaging:** Quantitative towards the enclosed table. Basic in PE bag and collective in cardboard box.

# Nosač dvoredni Double-rowed Girder

Šifra artikla	Oznaka	Pakovanje; osnovno/zbirno
Code of article	Ref. Code	Packaging ; basic / collective
02-01	No 10	50/2500
02-02	No 12	50/1500
02-03	No 14/15	50/1800
02-04	No 18	50/1000
02-05	No 20/22	25/1100
02-06	No 28	25/750
02-07	No 35	25/625



No	d	l	l1	c	a	b	e	e1	s
10	9,5	43,2	42	20,2	27	13,5	15,8	12	2,4
12	11,9	52	46,3	26	32	16	15,8	12,2	3
14/15	14,5	56,5	49,5	27	36	18	16	12,2	2,8
18	17,6	62,4	52,5	35,6	37,5	18,75	17,5	12,2	3,5
20/22	20,5	69,8	59,6	41,5	42	21	16	13	3,3
28	26,7	89,8	77	50,8	52,5	26,25	16	13,8	4,4
35	34,2	109,4	94	55,5	62,5	31,25	16,5	14	4,8

**Namjena:** Pričvršćivanje bakarnih (Cu) cijevi kod instalacija zidnog dvocijevnog grijanja.

**Osobine:** Pozicije su urađene od visoko kvalitetnog PP copolimera uz dodatak aditiva i boje, tehnološkim postupkom injekcijskog brizganja, što proizvodu daje visoku udarnu žilavost, tvrdoću, čvrstoću i termičku postojanost za primjenu u temperaturnom području od  $-10^{\circ}$  do  $+118^{\circ}$  C.

\* Proizvod posjeduje elaborat o ispitivanju i uvjerenju o kvalitetu br. 30-03-02-38/2134/08 - Rudarski Institut Tuzla (BiH).

**Dimenzije:** Prema crtežu i priloženoj tabeli.

**Boja:** Bijela ili po zahtjevu kupca za minimalnu seriju od 10 000 komada.

**Pakovanje:** Količinski prema priloženoj tabeli. Osnovno u PE vrećicu a zbirno u kartonsku kutiju.

**Purpose:** Fastening of the cuprous (the Cu) pipes at installations of the wall double-barrelled heating.

**Characteristics:** Positions have been made of high-grade PP copolymer including additives and color, with technological process of injection gushing, that provides the high impact toughness of the product, solidity, strength and the thermal stability for the use in the temperature range from  $-10^{\circ}$  up to  $+118^{\circ}$  C.

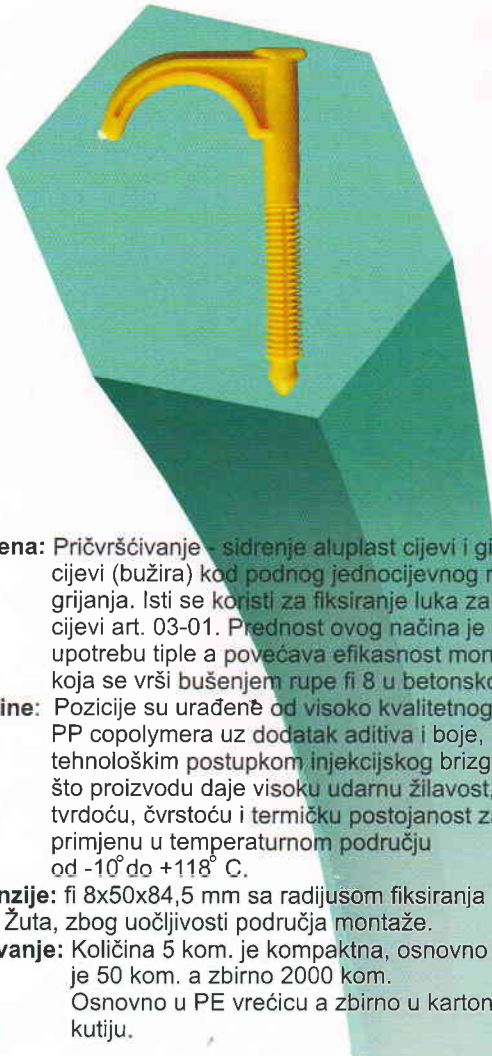
\* the Product possesses the report about the testing and the certificate about the quality no. 30-03-02-38 / 2134 / 08 – issued by Mining Institute Tuzla (BH).

**Dimensions:** Towards the figure and the enclosed table.

**Colour:** White or on the request of buyer for the minimum series of 10 000 pieces.

**Packaging:** Quantitative towards the enclosed table. Basic in PE bag and collective in cardboard box.

## Držač za podno - jednoredni Supporter for underfloor – one-row



Šifra artikla Code of article	Pakovanje (kom.) osnovno/zbirno Packaging (pcs.) basic / collective
01-08	50/2000

**Namjena:** Pričvršćivanje - sidrenje aluplast cijevi i gibljivih PP cijevi (bužira) kod podnog jednocijevnog razvoda grijanja. Isti se koristi za fiksiranje luka za vođenje cijevi art. 03-01. Prednost ovog načina je da izbacuje upotrebu tiple a povećava efikasnost montaže, koja se vrši bušenjem rupe fi 8 u betonskoj podlozi.

**Osobine:** Pozicije su urađene od visoko kvalitetnog PP copolymera uz dodatak aditiva i boje, tehnološkim postupkom injekcijskog brizganja, što proizvodu daje visoku udarnu žilavost, tvrdoću, čvrstoću i termičku postojanost za primjenu u temperaturnom području od -10° do +118° C.

**Dimenzije:** fi 8x50x84,5 mm sa radijusom fiksiranja R 15 mm  
**Boja:** Žuta, zbog uočljivosti područja montaže.

**Pakovanje:** Količina 5 kom. je kompaktna, osnovno pakovanje je 50 kom. a zbirno 2000 kom.  
Osnovno u PE vrećicu a zbirno u kartonsku kutiju.

**Purpose:** Fastening - anchoring the aluplast pipes and supple PP pipes (the tube) at underfloor single-barrelled separation of heating. The same is used for the fixing of the port for the conduction of pipes art. 03-01. The priority of this method is that it throws out the use of wall plug and increases the efficiency of installation, which performs drilling the hole of 8 millimeters in the concrete base.

**Characteristics:** Positions have been made of high-grade PP copolymer including additives and color, with technological process of injection gushing, that provides the high impact toughness of the product, solidity, strength and the thermal stability for application in the temperature range from -10° up to +118° C.

**Dimensions:** 8x50x84,5 mm with the radius of fixing R 15 mm

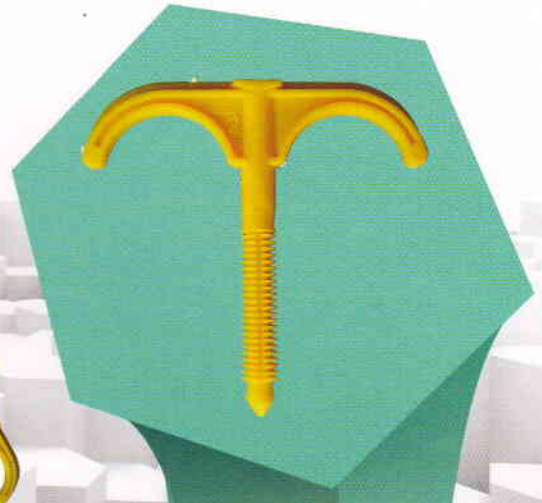
**Colour:** Yellow, because of noticeabilities of areas of installation.

**Packaging:** Quantity 5 pcs. is compact, basic packaging is 50 pcs. and collective 2000 pcs.  
Basic in PE bag and collective in cardboard box.

07

## Držač za podno - dvoredni Supporter for underfloor – double-rowed

Šifra artikla Code of article	Pakovanje (kom.) osnovno/zbirno Packaging (pcs.) basic / collective
02-08	50/1500



**Namjena:** Pričvršćivanje - sidrenje aluplast cijevi i gibljivih PP cijevi (bužira) kod podnog dvocijevnog razvoda grijanja. Isti se koristi za fiksiranje lukova u paru spojenih zupčastom spojnicom art. 03-01 plus art. 03-02. Prednost ovog načina je da izbacuje upotrebu tiple a povećava efikasnost montaže, koja se vrši bušenjem jedne rupe fi 8 u betonskoj podlozi.

**Osobine:** Pozicije su urađene od visoko kvalitetnog PP copolymera uz dodatak aditiva i boje, tehnološkim postupkom injekcijskog brizganja, što proizvodu daje visoku udarnu žilavost, tvrdoću, čvrstoću i termičku postojanost za primjenu u temperaturnom području od -10° do +118° C.

**Dimenzije:** fi 8x86x84,5 mm sa radijusom fiksiranja R 15 mm i osnim rastojanjem radijusa 50 mm što zadovoljava rastojanje radijatorskog H ventila.

**Boja:** Žuta, zbog uočljivosti područja montaže.

**Pakovanje:** Količina 5 kom. je kompaktna, osnovno pakovanje je 50 kom. a zbirno 1500 kom.  
Osnovno u PE vrećicu a zbirno u kartonsku kutiju.

**Purpose:** Fastening - anchoring the aluplast pipes and supple PP pipes (the tubes) at underfloor double-barrelled separations of heating. The same is used for the fixing of vaults in pair connected ragged connection art. 03-01 plus art. 03-02.

The priority of this method is that it throws out the use of wall plug and increases the efficiency of installation, which performs drilling one hole of 8 mm in the concrete base.

**Characteristics:** Positions have been made of high-grade PP copolymer including additives and color, technological process of the injection gushing, that provides the high impact toughness of the product, solidity, strength and the thermal stability for application in the temperature range from -10° up to +118° C.

**Dimensions:** 8x86x84,5 mm with the radius of fixing R 15 mm and the axial distance of radius 50 mm which satisfies the distance of radiator H valve.

**Colour:** Yellow, because of noticeabilities of areas of installation.

**Packaging:** Amount 5 pcs. is compact, the basic packaging is 50 pcs. and collective 1500 pcs.  
Basic in PE bag and collective in cardboard box

# Podloška Pad

Šifra artikla Code of articles	Oznaka Mark	Pakovanje (kom.) osnovno/zbirno Packaging (pcs.) basic / collective
03-03	14/15	25/4000
03-03 A	18	25/4000

**Namjena:** Specifična namjena: za redukciju visine dvorednih nosača, uglavnom kod prelaska razvoda instalacije sa keramičkih pločica na zidnu površinu ili neravnih zidova.

**Osobine:** Pozicije su urađene od visoko kvalitetnog PP copolymera uz dodatak aditiva i boje, tehnološkim postupkom injekcijskog brizganja, što proizvodu daje visoku udarnu žilavost, tvrdoću, čvrstoću i termičku postojanost za primjenu u temperaturnom području od  $-10^{\circ}$  do  $+118^{\circ}$  C.

**Dimenzije:** 50x16x5 mm za 14/15 ; 52,5x17x5 mm.

**Boja:** Bijela.

**Pakovanje:** Prema priloženoj tabeli.  
Osnovno u PE vrećicu a zbirno u kartonsku kutiju.

**Purpose:** The specific purpose: for the height reduction of double-rowed girders, mostly at the transition separations of installation from ceramic tiles on the wall surface or uneven walls.

**Characteristics:** Positions have been made of high-grade PP copolymer including additives and color, with technological process of the injection gushing that provides the high impact toughness of the product, solidity, strength and the thermal stability for application in the temperature range from  $-10^{\circ}$  up to  $+118^{\circ}$  C.

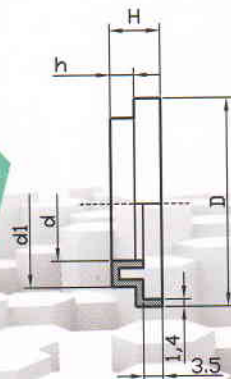
**Dimensions:** 50x16x5 mm for 14 / 15 ; 52,5x17x5 mm.

**Colour:** White.

**Packaging:** Towards the enclosed table.  
Basic in PE bag and collective in cardboard box.

# Rozetna Hole cover

Šifra artikla Code of articles	Oznaka Mark	Pakovanje (kom.) osnovno/zbirno Packaging (pcs.) basic / collective
03-04	fi 12	100/4000
03-05	fi 14/15	100/4000
03-06	fi 18	100/4000
03-07	fi 22	100/3000
03-08	fi 28	100/2000



fi	d	D	d1	H	h
12	11,8	33	25,4	9,7	5
14/15	14,8	33,4	26	9,7	4,7
18	17,5	33,5	26,8	9,7	4,7
22	19,8	39,5	32	9,7	4,7
28	27,8	49	38,3	9,7	4,7

**Namjena:** Za estetski dio bakarnog (Cu) cjevovoda, na prolasku, kroz zid pokriva grešku bušenja i omogućava rasterećenje dilatacionog kretanja.

**Osobine:** Pozicije su urađene od visoko kvalitetnog PP copolymera uz dodatak aditiva i boje, tehnološkim postupkom injekcijskog brizganja, što proizvodu daje elastičnost i termičku postojanost za primjenu u temperaturnom području od  $-10^{\circ}$  do  $+118^{\circ}$  C.

Konstrukcija proizvoda omogućava montažu na gotovom cjevovodu. Kod dvocjevovodnog sistema sa ugradnjom naših dvorednih nosača omogućava kvalitetnu estetsku montažu s obzirom da se osno rastojanje cjevovoda podudara sa tangentom vanjskog prečnika.

**Dimenzije:** Prema crtežu i priloženoj tabeli.

**Boja:** Bijela.

**Pakovanje:** Prema priloženoj tabeli.  
Osnovno u PE vrećicu a zbirno u kartonsku kutiju.

**Purpose:** For the esthetic part of the cuprous (Cu) pipelines, on the passage through the wall, covers the drilling error and enables the disburdening of the dilatation movements.

**Characteristics:** Positions have been made of high-grade PP copolymer including additives and color, with technological process of the injection gushing, that provides the flexibility and the thermal stability of the product for the use in the temperature range from  $-10^{\circ}$  up to  $+118^{\circ}$  C.

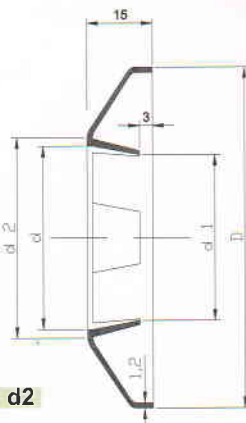
The structure of the product enables the installation on the finished pipeline. At the double-barrelled system with the installation our double-rowed girders enables the quality esthetic installation considering axial distance of pipelines corresponds with the tangent of outside diameter.

**Dimensions:** Towards the figure and the enclosed table.

**Colour:** White.

**Packaging:** Towards the enclosed table.  
Basic in PE bag and collective in cardboard box.

## Rozetna za čelične cijevi Hole cover for the steel pipes



	d	D	d1	d2
fi 1"	34,7	61	30	40,5
fi 5/4"	43,5	78,5	40	49,5
fi 6/4"	49,5	84,5	45,5	55,5
fi 2"	61,5	96,5	57,5	68

**Namjena:** Za estetski dio čeličnog crnog cjevovoda, na prolasku kroz zid pokriva grešku bušenja i omogućava rasterećenje dilatacionog kretanja.

**Osobine:** Pozicije su urađene od visoko kvalitetnog PP copolymera uz dodatak aditiva i boje, tehnološkim postupkom injekcijskog brizganja, što proizvodu daje elastičnost i termičku postojanost za primjenu u temperaturnom području od -10° do +118° C. Konstrukcija proizvoda omogućava montažu na gotovom cjevovodu.

**Dimenzije:** Prema crtežu i priloženoj tabeli.

**Boja:** Bijela, bordo, metalik siva.

**Pakovanje:** Prema priloženoj tabeli.

Osnovno u PE vrećicu a zbirno u kartonsku kutiju.

09

Šifra artikla Code of articles	Oznaka Mark	Pakovanje (kom.) osnovno/zbirno Packaging (pcs.) basic / collective
03-25	fi 1" (fi 33,7mm)	10/1000
03-26	fi 5/4" (fi 42,4mm)	10/900
03-27	fi 6/4" (fi 48,3mm)	10/800
03-28	fi 2" (fi 60,3mm)	10/600

**Purpose:** For the esthetic part of the steel black pipelines, on the passage, through the wall covers the drilling error and enables the disburdening of the dilatation movements.

**Characteristics:** Positions have been made of high-grade PP copolymer including additives and color, with technological process of the injection gushing, that provides the flexibility and the thermal stability of the product for the use in the temperature range from -10° up to +118° C. The structures of the product enables the installation on the completed pipeline.

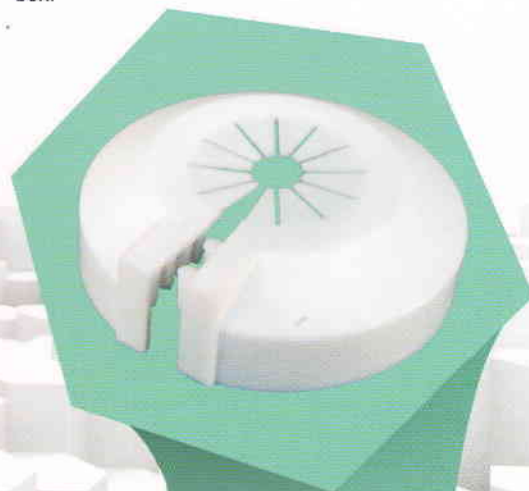
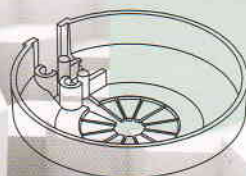
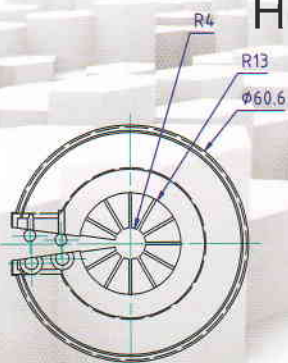
**Dimensions:** Towards the figure and the enclosed table.

**Colour:** White, Bordeaux, metallic grey.

**Packaging:** Towards the enclosed table.

Basic in PE bag and collective in cardboard box.

## Rozetna podna jedinična Hole cover - floor single



**Namjena:** Za estetski dio izlaza ALUPLAST i Bakarnih (Cu) cijevi fi 16 iz podnog razvoda na radiator kod jednocijevnog sistema. Pokriva sve greške obrade podne podloge oko cijevi.

**Osobine:** Pozicije su urađene od visoko kvalitetnog PP copolymera uz dodatak aditiva i boje, tehnološkim postupkom injekcijskog brizganja, što proizvodu daje elastičnost i termičku postojanost za primjenu u temperaturnom području od -10° do +118° C. Konstrukcija proizvoda omogućava montažu na gotovom cjevovodu.

**Dimenzije:** Prema crtežu i priloženoj tabeli.

**Boja:** Bijela ili bež.

**Pakovanje:** Prema priloženoj tabeli.

Osnovno u PE vrećicu a zbirno u kartonsku kutiju.

Šifra artikla Code of articles	Oznaka Mark	Pakovanje (kom.) osnovno/zbirno Packaging (pcs.) basic / collective
01-10	bijela/bež white / beige	50/1000

**Purpose:** For the esthetic part of exit ALUPLAST and Cuprous (Cu) pipes of 16 mm from underfloor separation on the radiator at single-barrelled system. Covers all processes errors on the floor base around the pipe.

**Characteristics:** Positions have been made of high-grade PP copolymer including additives and color, with technological process of the injection gushing, that provides the flexibility and the thermal stability of the product for the use in the temperature range from -10° up to +118° C. The structures of the product enables the installation on the completed pipeline.

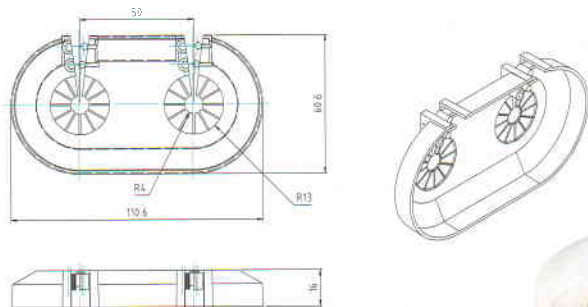
**Dimensions:** Towards the figure and the enclosed table.

**Colour:** White or beige.

**Packaging:** Towards the enclosed table.

Basic in PE bag and collective in cardboard box.

# Rozetna podna dupla Hole cover - floor double



Šifra artikla Code of articles	Oznaka Mark	Pakovanje (kom.) osnovno/zbirno Packaging (pcs.) basic / collective
02-09	dupla double	25/500
02-09 HA	dupla harmonika the double accordion	25/500

**Namjena:** Za estetski dio izlaza ALUPLAST i Bakarnih (Cu) cijevi fi 16 iz podnog razvoda na radiator sa H ventilom kod dvocijevnog sistema podnog razvoda. Pokriva sve greške obrade podne podloge oko cijevi i omogućava pomoću pera korekciju greške osnovog rastojanja montiranog cjevovoda od +/-5 mm za duplu tj. minimalno osno 43 mm a maksimalno osno 53 mm.

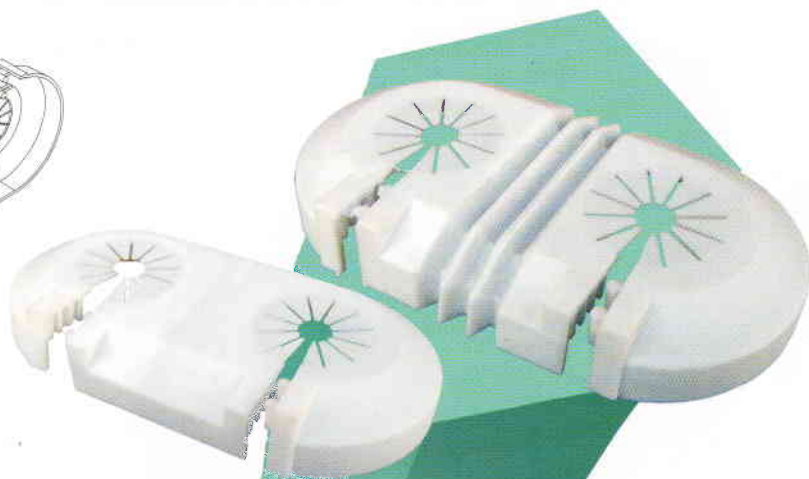
- Kod duple/harmonika ista pokriva korekciju greške osnovog rastojanja montiranog cjevovoda dodatno za kretanje harmonike i to za minimalno osno 26 mm a maksimalno osno 62.

**Osobine:** Pozicije su urađene od visoko kvalitetnog PP copolymera uz dodatak aditiva i boje, tehnološkim postupkom injekcijskog brizganja, što proizvodu daje elastičnost i termičku postojanost za primjenu u temperaturnom području od -10° do +118° C. Konstrukcija proizvoda omogućava montažu na gotovom cjevovodu.

**Dimenzije:** Prema crtežu.

**Boja:** Bijela ili bež.

**Pakovanje:** Prema priloženoj tabeli. Osnovno u PE vrećicu a zbirno u kartonsku kutiju.



**Purpose:** For the esthetic part of exit ALUPLAST and Cuprous (Cu) pipes of 16 mm from underfloor separations on the radiator with H valve at the double-barrelled system of underfloor separations. Covers all processes errors of the underfloor base around the pipe and using the peer enables correction of the error of axial distance of installed pipelines from + / -5 mm for double i.e. minimum axial 43 mm and maximally axial 53 mm.

- At double / the accordion, the same covers the correction of the error of axial distance of installed pipelines additionally for the movement of accordion for minimally axial 26 mm and maximal axial 62.

**Characteristics:** Positions have been made of high-grade PP copolymer including additives and color, with technological process of the injection gushing, that provides the flexibility and the thermal stability of the product for the use in the temperature range from -10° up to +118° C. The structure of the product enables the installation on the completed pipeline.

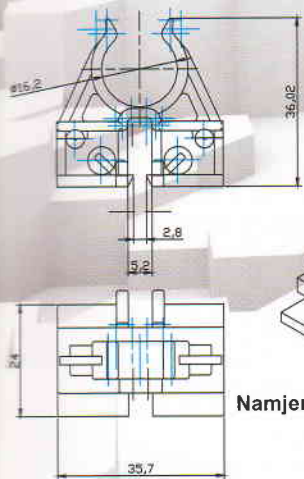
**Dimensions:** Towards the figure.

**Colour:** White or beige.

**Packaging:** Towards the enclosed table. Basic in PE bag and collective in cardboard box.

10

## Armaturni držač ALUPE-X The reinforced holder ALUPE-X



Šifra artikla Code of articles	Oznaka Mark	Pakovanje (kom.) osnovno/zbirno Packaging (pcs.) basic / collective
01-09	fi 16-18	100/2000
01-12	fi 20	50/2000

**Namjena:** Kod podnog grijanja za pričvršćenje ALUPLAST cijevi na podužnim i poprečnim žicama armaturne mreže. Time se postiže fiksiranje cijevi na željeni razmak i efekat distanciranja armaturne mreže od podloge za 10 - 14 mm.

**Osobine:** Pozicije su urađene od visoko kvalitetnog PP copolymera uz dodatak aditiva i boje, tehnološkim postupkom injekcijskog brizganja, što proizvodu daje elastičnost i termičku postojanost za primjenu u temperaturnom području od -10° do +118° C.

**Dimenzije:** Prema crtežu.

**Boja:** Plava, zbog uočljivosti područja montaže.

**Pakovanje:** Prema priloženoj tabeli. Osnovno u PE vrećicu a zbirno u kartonsku kutiju.

**Purpose:** At the underfloor heating for the fastening ALUPLAST pipes on longitudinal and transversal wires of reinforced mesh. Thus, we achieve fixating the pipe to a wished distance and the effect of distancing of reinforced mesh from the base for 10 - 14 mm.

**Characteristics:** Positions have been made of high-grade PP copolymer including additives and color, with technological process of the injection gushing, that provides the flexibility and the thermal stability of the product for the use in the temperature range from -10° up to +118° C.

**Dimensions:** Towards the figure.

**Colour:** Blue, because of the noticeability of areas of installation.

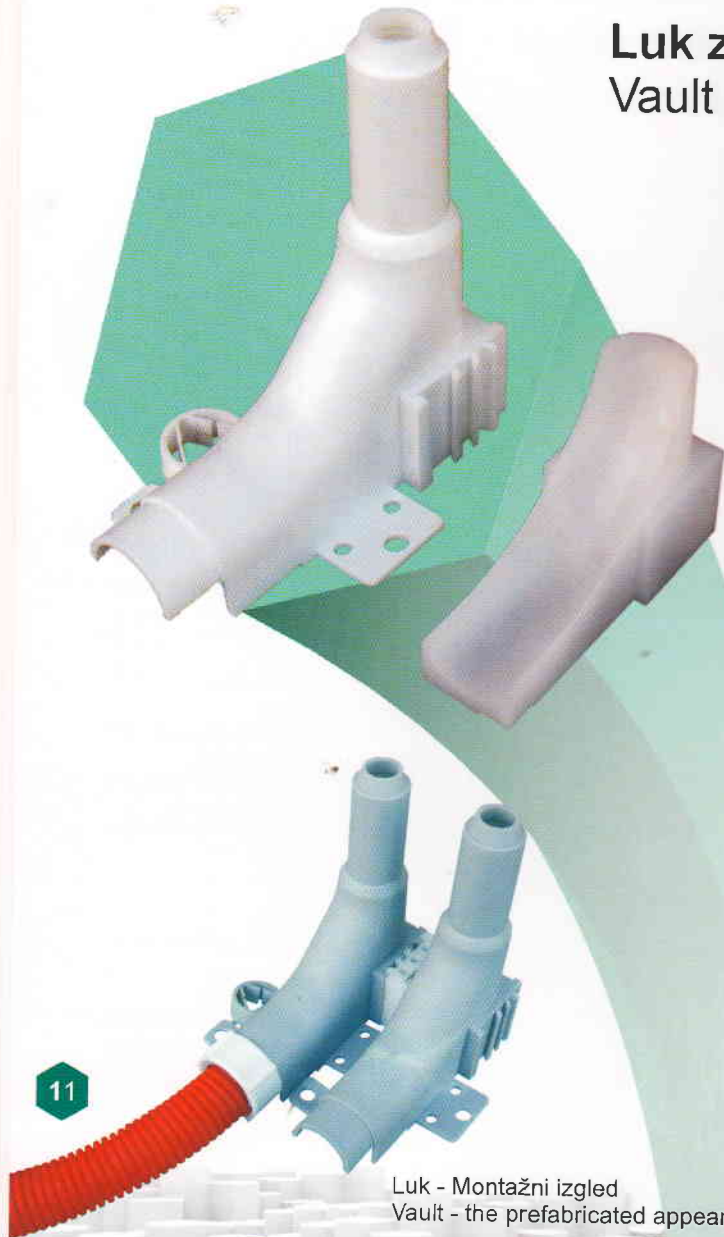
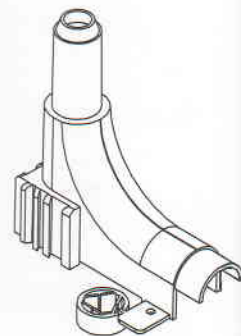
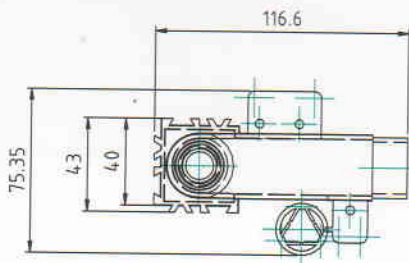
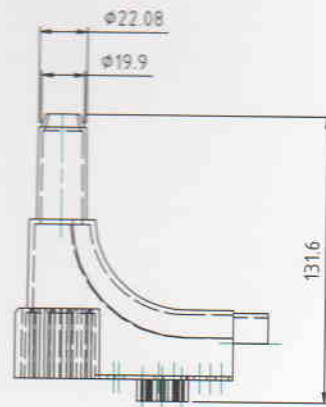
**Packaging:** Towards the enclosed table. Basic in PE bag and collective in cardboard box.



# Luk za vođenje cijevi

## Vault for the direction of pipe

Šifra artikla Code of articles	Oznaka Mark	Pakovanje (kom.) osnovno/zbirno Packaging (pcs.) basic / collective
03-01	luk vault	4/100



11

Luk - Montažni izgled  
Vault - the prefabricated appearance in pair

**Namjena:** Primjenjuje se u instalacijama podnog grijanja i podnog razvoda za uvođenje ALUPLAST cijevi pod radijatore i razvodne ormare. Omogućava pravilno savijanje cijevi 90° bez deformacije unutrašnjeg promjera, štiti cijev od mehaničkih oštećenja u toku izvođenja glazura i završnih radova, ujedno daje i estetski izgled cjevovoda. Omogućava zamjenu cijevi ispod završene podloge u slučaju greške montaže ili oštećenja cijevi (kod podnog razvoda).

**Osobine:** Pozicije su urađene od visoko kvalitetnog PP copolymera uz dodatak aditiva i boje. Proizvod je sastavljen od tri pripadajuće pozicije; kućišta, umetka i čepa. Maksimalni prečnik u primjeni ALUPLAST-a fi 20, osno rastojanje dva luka u paru sa zupčastom spojnicom art. br. 03-02 je 50 mm, što odgovara osnom rastojanju većine H ventila. Uz dodatak prstena art. 03-01 A omogućava držanje gibljive cijevi (bužira) fi 25 kod podnog razvoda.

**Dimenzije:** gabariti bez čepa; 116,6x66x122 mm, a prema priloženom crtežu.

**Boja:** Bijela ili po narudžbi kupca za više od 5000 kom.

**Pakovanje:** Prema priloženoj tabeli.

Osnovno u PE vrećicu a zbirno u kartonsku kutiju.

**Purpose:** Applies in installations of underfloor heating and underfloor separations for the installation of ALUPLAST pipes under the radiator and distribution cabinets. Enables correctly bending of the pipe 90° without the deformation of clear width, protects the pipe from mechanical damages during executions of glazes and final works, also provides the esthetic appearance of pipelines. Enables the replacement of pipe under finished bases in case of error of installation or damages of pipes (at underfloor separations).

**Characteristics:** Positions have been made of high-grade PP copolymer including additives and color. Product is composed of three corresponding positions ; shell, insert and the cap. The maximum diameter in the application of ALUPLAST 20 mm, axial distance of two vaults in pair with the ragged coupling art. no. 03-02 is 50 mm, which answers the axial distance of majority of H valve. Including the ring art. 03-01 A enables holding the supple pipe (the tube) 25 mm of underfloor separations.

**Dimensions:** dimension without the cap ; 116,6x66x122 mm, towards the enclosed figure.

**Colour:** White or on the order of buyer for more than 5000 pcs.

**Packaging:** Towards the enclosed table. Basic in PE bag and collective in the cardboard box.



Šifra artikla Code of articles	Oznaka Mark	Pakovanje (kom.) osnovno/zbirno Packaging (pcs.) basic / collective
03-01 A	prsten luka Ring of the vault	20/2000

**Purpose:** For the direction and holding the supple pipes of 25 mm (the tube) at the application of vault art. 03-01 in the underfloor separation of heating.

**Characteristics:** Position has been made of high-grade PP copolymer including additives and color.

**Dimensions:** 33 / 28x15,8 mm.

**Colour:** White.

**Packaging:** Towards the enclosed table.  
Basic in PE bag and collective in the cardboard box.

## Zupčasta spojnica luka Ragged couplings of the vault

Šifra artikla Code of articles	Oznaka Mark	Pakovanje (kom.) osnovno/zbirno Packaging (pcs.) basic / collective
03-02	zupčasta spojnica ragged coupling	20/2000



**Namjena:** Za vođenje i držanje gibljivih cijevi fi 25 (bužira) kod primjene luka art. 03-01 u podnom razvodu grijanja.

**Osobine:** Pozicija je urađena od visoko kvalitetnog PP copolymera uz dodatak aditiva i boje.

**Dimenzije:** fi 33/28x15,8 mm.

**Boja:** Bijela.

**Pakovanje:** Prema priloženoj tabeli.  
Osnovno u PE vrećicu a zbirno u kartonsku kutiju.

**Namjena:** Za spajanje dva i više lukova na osno rastojanje 50 mm što odgovara osnom rastojanju H ventila.

**Osobine:** Pozicija je urađena od visoko kvalitetnog PP copolymera. Konstrukcija spojnice "lastin rep", omogućava brzo i čvrsto spajanje lukova bočno i čeonu te fiksiranje lukova na manjem broju mjesta, što ubrzava i pojeftinjuje montažu.

**Dimenzije:** 36x12,8x32 mm.

**Boja:** Natur.

**Pakovanje:** Prema priloženoj tabeli.  
Osnovno u PE vrećicu a zbirno u kartonsku kutiju.

**Purpose:** For the connecting two and more vaults to the axial distance of 50 mm which answers the axial distance of H valve.

**Characteristics:** Position has been made of high-grade PP copolymer. Structures of coupling "the dovetail", enables quickly and the tightly connecting of vaults sideways and frontal as well as fixating the vaults on the lower number of places, which increases speed and reduces prices of the installation.

**Dimensions:** 36x12,8x32 mm.

**Colour:** Natur.

**Packaging:** Towards the enclosed table.  
Basic in PE bag and collective in the cardboard box.

## Obujmica za PE-X cijevi fi 16-18 Collar for PE-X pipes of 16-18 mm

Šifra artikla Code of articles	Oznaka Mark	Pakovanje (kom.) osnovno/zbirno Packaging (pcs.) basic / collective
03-09	duga long	100/4500
03-09	kratka short	100/4500

**Namjena:** Kod podnog grijanja za sidrenje-pričvršćenje PE-X i ALUPLAST cijevi na stiroterm ploče visoke gustoće. Time se postiže fiksiranje cijevi na željeni razmak. Montaža se može vršiti ručno ili pomoću našeg uređaja TACKER - klamerica, art. 03-22.

**Osobine:** Pozicije su urađene od visoko kvalitetnog PP copolymera uz dodatak aditiva i boje, tehnološkim postupkom injekcijskog brizganja, što proizvodu daje elastičnost i termičku postojanost za primjenu u temperaturnom području od -10° do +118° C.

**Dimenzije:** Duga 52x36x6 mm, upotreba na stiroterm pločama minimalne debljine 30 mm.  
Kratka 45x36x6 mm, upotreba na stiroterm pločama minimalne debljine 25 mm.

**Boja:** Plava, zbog uočljivosti područja montaže.

**Pakovanje:** Prema priloženoj tabeli, šaržirano ljepljivom trakom 25 kom/set.  
Osnovno u PE vrećicu a zbirno u kartonsku kutiju.

**Purpose:** At the underfloor heating for the anchoring-attachment PE-X and ALUPLAST pipes on high density styrofoam plates. Thus it is attained the fixating of the pipe on wanted distance. Installation could be performed manually or using our system TACKER - staple, art. 03-22.

**Characteristics:** Positions have been made of high-grade PP copolymer including additives and color, with technological process of the injection gushing, that provides the flexibility and the thermal stability of the product for the use in the temperature range from -10° up to +118° C.

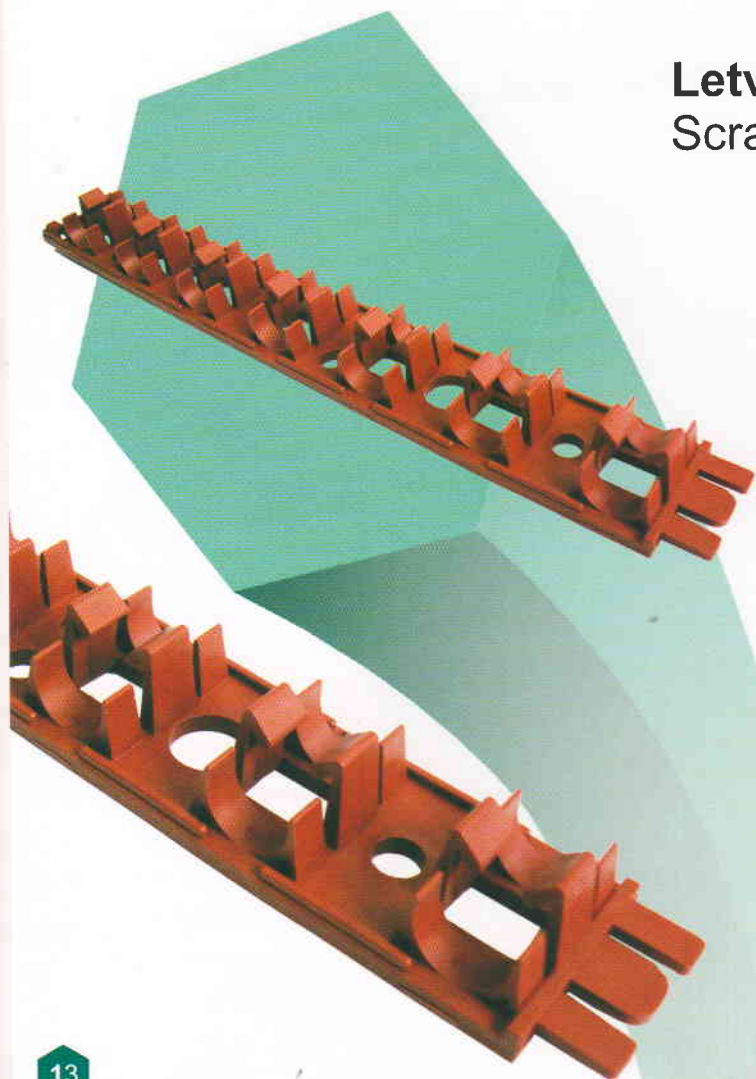
**Dimensions:** Long 52x36x6 mm, the use on styrofoam plates with minimal thickness of 30 mm.  
Short 45x36x6 mm, the use on styrofoam plates with minimal thickness of 25 mm.

**Colour:** Blue, because of the noticeability of areas of installation.

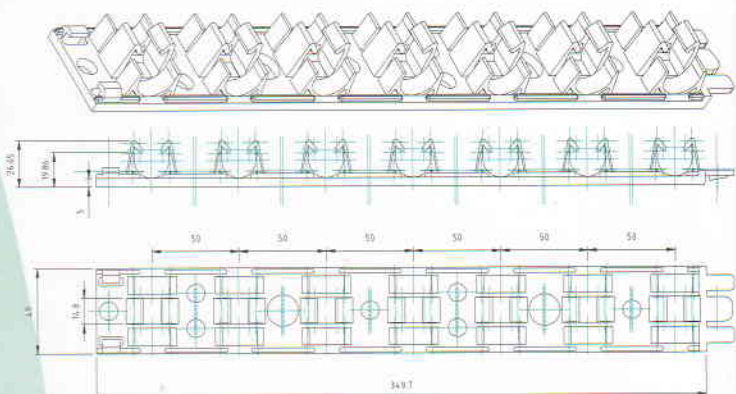
**Packaging:** Towards the enclosed table, with the glue tape 25 pcs / set.  
Basic in PE bag and collective in the cardboard box.



# Letva Scraper blade



Šifra artikla Code of articles	Oznaka Mark	Pakovanje (kom.) osnovno/zbirno Packaging (pcs.) basic / collective
03-20	letva	12/180
Scraper blade		



13

**Namjena:** Služi za pričvršćivanje višeslojnih ALUPLAST i Pe-X cijevi prečnika fi 16, 18 i fi 20 kod instalacija podnog i zidnog grijanja ili hlađenja na većim površinama. Pored fiksiranja cijevi ugradnjom letve postizemo pravilan raspored cijevi a prema koraku hvataljke letve na svakih 50 mm (50, 100, 150, 200 itd). Završetci letve omogućavaju PRESS-KLIK sapajanje bez ograničenja dužine.

**Osobine:** Pozicija je urađena od visoko kvalitetnog PP copolymera uz dodatak aditiva i boje. Osnovne prednosti letve u odnosu na poznate sisteme razvoda: brzina montaže, pravilno formiranje rasporeda cijevi, čvrsto i klizno oslanjanje cijevi što onemogućava mehaničko oštećenje kod izrade estriht glazure sa staklenim vlaknima. Konstrukcija hvataljki omogućava prihvatjanje i čvrsto držanje od iskakanja cijevi fi 16 do 20 mm. Pričvršćivanje na stirotrom ploče izvodi se iglom za letvu art. 03-21 uz pomoć našeg uređaja TACKER - klamerica art.03-22 a na betonske podloge pomoću udarne tiple fi 8 na za to predviđenim otvorima. Preporučeni normativ ugradnje 4 do 6 komada/m<sup>2</sup> ili 0,8-1,2 m linijski raspored. Dužina letve od 350 mm omogućava efikasno pakovanje, manipulaciju kod ugradnje i racionalnu ugradnju bez sječenja i otpada.

**Dimenzije:** 350x48x26 mm, i prema crtežu.

**Boja:** Braon - terakot ili crna.

**Pakovanje:** Prema priloženoj tabeli.

Osnovno u PE vrećicu a zbirno u kartonsku kutiju.

**Purpose:** Serves for the fastening of multilayer ALUPLAST and Pe-X pipes of diameter of 16, 18 mm and 20 mm at the installations of the underfloor and the wall heating or cooling on larger surfaces. Except for fixing of pipes installation of scraper blade, we achieve a regular positioning of pipe towards the step of grapple of scraper blade on every 50 mm (50, 100, 150, 200 etc). Completions of scraper blade enable PRESS-CLICK connection without restriction in length.

**Characteristics:** Position has been made of high-grade PP copolymer including additives and color. The basic priority of scraper blade in relation to known systems of separations: speed of installation, correctly forming the positioning of pipes, tightly and the sliding leaning the pipe which prevents mechanical damage at the making floor glazes with glassfibres. The structure of grapples enables the acceptance and tight conduction from jumping the pipes out of 16 to 20 mm. Fastening on styrofoam plates is performed with the needle for the scraper blade art. 03-21 with the help of our system TACKER - staple art.03-22 and on concrete bases using the impact wall plug of 8 mm on for that purpose predicted openings. Recommended scale of norms of installation is 4 to 6 pieces / m or 0,8-1,2 m line positioning. Lengths of scraper blade from 350 mm enables the efficient packaging, manipulation at the installation and the rational installation without the cutting and falls off.

**Dimensions:** 350x48x26 the mm, and towards the figure.

**Colour:** Brown - terracote or black.

**Packaging:** Towards the enclosed table.

Basicin PE bag and collective in the cardboard box.





## Nosač kupaonog cjevastog radijatora Girder of bathroom tubal radiator

Šifra artikla Code of articles	Oznaka Mark	Pakovanje (kom.) osnovno/zbirno Packaging (pcs.) basic / collective
01-11	nosač radijatora fi 20/22/25 girder of radiator of 20 / 22 / 25 mm	100/400
01-11 A	nosač radijatora kromirani fi 20/22/25 girder of radiator chromed of 20 / 22 / 25 mm	100/400

**Namjena:** Pričvršćivanje kupaonih cjevastih (ravnih i rondo) radijatora.

**Osobine:** Pozicije su urađene od ABS polimera, dizajn je prilagođen cjevastom radijatoru.

- Konstrukcija proizvoda omogućava univerzalnu i široku primjenu za sve tipove cjevastih radijatora, kako za ravne i rondo, također za različite prečnike cijevi fi 20, 22 i 25.
- Omogućena korekcija podešavanja u montaži po visini 20 mm i po dubini 20 mm.
- proizvod je sastavljen od pet ABS dijelova i dva kompleta (vijak+matica).
- Normativ utroška 3-4 kom. po radijatoru.

**Dimenzije:** 82x28x43,5 mm

**Boja:** Bijela/kromirano

**Pakovanje:** Prema priloženoj tabeli.

Osnovno i zbirno pakovanje u kartonske kutije a prema priloženoj tabeli.

**Purpose:** Fastening bathroom tubal (flat and rondo) radiators.

**Characteristics:** Positions have been made of ABS polymera, design is adjusted for the tubal radiator.

- Structures of products enables universal and wide application for all types of tubal radiators, as for flat and rondo, as for different diameters of pipes of 20, 22 and 25 mm
- It is also enabled the correction of adjustings in the installation in the height of 20 mm and in the depth of 20 mm.
- product is composed of five ABS parts and two sets (the screw + the nut).
- Rate of yield from 3 to 4 pcs. per one radiator.

**Dimensions:** 82x28x43,5 mm

**Colour:** White /chromed

**Packaging:** Towards the enclosed table.

Basic and the collective packaging in cardboard boxes and towards the enclosed table.

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## Gibljiva cijev PP (bužir) The supple pipe PP (the tube)



Šifra artikla Code of articles	Oznaka Mark	Pakovanje (kom.) osnovno/zbirno Packaging (pcs.) basic / collective
04-03	fi 25/fi 19,4	50/250 m
04-04	fi 25 TS (samo za izvoz) TS (only for the export)	50/250 m
04-05	fi 32/24,9	25/125 m

**Namjena:** Kao mehanička zaštita za ALUPLAST i PE-X cijevi kod podnog razvoda grijanja. Štiti cjevovod grijanja od mehaničkih oštećenja i direktnog kontakta sa betonskom podlogom te time omogućava i zamjenu cijevi u instalaciji.

**Osobine:** Proizvod je izrađen od polypropilenskog copolimera uz dodatke aditiva i boja. Izrađuje se u plavoj i crvenoj boji kao oznaka za razvod toplog i hladnog voda. Posjeduje sve osobine propisane evropskim standardom za cijevne sisteme IEC/EN 61386-1 i elaborat o ispitivanju sa uvjerenjem o kvalitetu.

**Dimenzije:** fi 25/19,4 mm

**Boja:** Orange crvena/plava

**Pakovanje:** Prema priloženoj tabeli.

Bunt u termoskupljajućoj foliji, pet buntova u Pe džaku a paletno u strech foliji.

**Purpose:** As a mechanical protection for ALUPLAST and PE-X pipes at underfloor separations of heating. Protects the pipeline of heating from mechanical damages and the direct contact with the concrete base that enables the replacement of the pipes in the installation.

**Characteristics:** Product has been made of the polypropilene copolymer with the supplements of additives and colours. It is made in blue and red colour as a mark for separation of the warm and the cold line. Possesses all characteristics regulated by the European standard for pipe systems IEC/EN 61386-1 and the report about the testing with the certificate about the quality.

**Dimensions:** 25 / 19,4 mm

**Colour:** Orange red / blue

**Packaging:** Towards the enclosed table.

Bunch in thermocontracting foil, five bunches in Pe bag and pallet in strech foil.

## Maska nosača radijatora - dvodijelna Radiator grille bracket - two part



Šifra artikla Code of article	Pakovanje (kom.) osnovno/zbirno Packaging (pcs.) basic / collective
03-30	10/50

**Purpose:** The aesthetic effect of installation of floor beams of radiators in the final assembly. Designed for carriers, whose tube is a square of 30x30 mm or max to fi 30 mm.

**Characteristics:** Positions have been made of high quality PP copolymer high stability and UV resistance, with technological process of injection molding. Constructive allows easy and quick installation system connecting the "click" two identical half.

**Dimensions:** 108x102x14 mm whit an opening 30,5x30,5 mm.

**Colour:** White.

**Packaging:** Basic package is 10 pcs., and cumulative are 50 pcs. Basic in PE bag and collective in cardboar box.

**Namjena:** Za estetski efekat kod ugradnje podnih nosača radijatora u završnoj montaži. Predviđen za nosače čija cijev je kvadrat max 30x30 mm ili do fi 30 mm.

**Osobine:** Pozicije su urađene od visoko kvalitetnog PP copolymera, visoke stabilnosti i UV otpornosti, tehnološkim postupkom injekcijskog brizganja. Konstruktivno omogućava jednostavnu i brzu montažu sistemom spajanja "click" dvije identične polovine.

**Dimenzije:** 108x102x14 mm sa otvorom 30,5x30,5 mm.

**Boja:** Bijela.

**Pakovanje:** Osnovno pakovanje je 10 kom. a zbirno 50 kom. Osnovno u PE vrećicu a zbirno u kartonsku kutiju.

## Spjalica za cijevnu izolaciju Staples for pipe insulation

Šifra artikla Code of article	Pakovanje (kom.) osnovno/zbirno Packaging (pcs.) basic / collective
03-29	200/7000

**Namjena:** Za brzu, jednostavnu, funkcionalnu, estetsku i ekonomičnu montažu cijevne izolacije na cjevovode.

**Osobine:** Pozicija je urađena od visoko kvalitetnog PP copolymera koji joj omogućava potrebne osobine, a to je čvrstoća, visoka elastičnost sa "memori" efektom, opružno dejstvo, termička stabilnost preko 118 °C i univerzalnost za sve prečnike cjevovoda. Prednosti ove pozicije u odnosu na ljepljivu traku i druge načine montaže su: višestruko jeftinija i brža montaža, termički postojanija i estetski prihvatljivija. Raspored - gustoća spajanja ovisi o prečniku cjevovoda i cijevne izolacije a kreće se od 50 do 250 mm tj. od 4 do 20 kom/m.

**Dimenzije:** 30x13x5 mm.

**Boja:** Siva, podešena boji cijevne izolacije.

**Pakovanje:** Osnovno pakovanje je 200 kom. a zbirno 7000 kom. Osnovno u PE vrećicu a zbirno u kartonsku kutiju.

**Purpose:** For a quick, simple, functional, aesthetic and economical instalation of pipe insulation to the pipes.

**Characteristics:** Positions have been made of high quality PP copolymer which enables the necessary qualities, and that is strength, high elasticity with "memory" effect, spring effect, thermal stability over 118 °C and versatility for all pipeline diameters. The advantages of this position in relation to the adhesive tape and other methods of mounting are: several times cheaper and faster installation, more consistent heat and aesthetically acceptable.

Schelude - density is dependent on the diameter of piping and pipe insulation ranging from 50 to 250 mm ie. 4-20 pcs./m.

**Dimensions:** 30x13x5 mm.

**Colour:** Gray, set color of pipe insulation.

**Packaging:** Basic package is 200 pcs., and cumulative are 7000 pcs. Basic in PE bag and collective in cardboar box.

## Ugaoni držač (PE-X) cijevi Corner bracket (PE-X) pipes

Šifra artikla Code of articles	Oznaka Mark	Pakovanje (kom.) osnovno/zbirno Packaging (pcs.) basic / collective
03-31	LUK	50/500

**Namjena:** Za savijanje i zadržavanje izlaznog ugla kod elastičnih (PE-X), ROTEX/Comopex cijevi ispod razvodnih ormara.

**Osobine:** Konstrukcija i čvrstoća pozicije koja je izrađena od ABS polimera sa puniocima i aditivima omogućava jednostavnu i brzu montažu, pouzdano zadržavanje ugla savijanja PE-X cijevi bez naprezanja spoljnih dijelova ispod razvodnog ormara. Termička postojanost veća od 120°C.

**Boja:** Crna.

**Pakovanje:** Prema priloženoj tabeli.

**Purpose:** For bending and keeping the output angle of the elastic (PE-X), ROTEX/Comopex pipes under cabinets.

**Characteristics:** The design and strenght positions, which is made of ABS polymers and additives to the bottler shall enable easy and fast installation, reliable retention of the bending angle of PE-X pipes without external stress components below the cabinets. Thermal resistance greater than 120°C.

**Colour:** Black.

**Packaging:** Towards the enclosed table.



## Čep za peći centralnog grijanja Plug for central heating furnaces

Šifra artikla Code of articles	Oznaka Mark	Pakovanje (kom.) osnovno/zbirno Packaging (pcs.) basic / collective
05-01	fi 5/4" vanjski	100/900
05-02	fi 1" vanjski	100/1500
05-03	fi 1/2" vanjski	100/2500
05-04	fi 3/4" unutrašnji	100/3500
05-05	fi 1/2" unutrašnji	100/5000
05-06	fi 6/4" vanjski	100/800
05-07	fi 2" vanjski	100/600

**Namjena:** Zaštita cijevnih otvora i cjevovoda kod peći-kotlova od prisustva mehaničkih nečistoća, ulaska insekata i glodara, te korozije usljed dužeg skladištenja. Takođe ima estetsku kategoriju kao i označavanje cjevovoda tople i hladne vode. Upotreba navedene pozicije je obavezna kod svih proizvođača koja je u skladu sa evropskim normama (EN) za navedenu grupu proizvoda.

**Osobine:** Konstrukcija proizvoda sa svojim konusom omogućava montažu i kod većih odstupanja prečnika priključnih cjevovoda. Pozicija je izrađena od PP copolymera što omogućava jednostavnu i brzu montažu, te elastične deformacije bez kidanja u napregnutom stanju, a zadržava efektno zaptivanje do prve upotrebe.

**Dimenzije:** Prečnik-vanjski prema tabeli sa visinom 22 mm.  
Prečnik-unutrašnji prema tabeli sa visinom 12 mm.

**Boja:** Plava/crvena za vanjske.  
Crna za unutrašnje.

**Pakovanje:** Prema priloženoj tabeli.  
Osnovno u PE vrećicu a zbirno u kartonsku kutiju.

**Purpose:** Protection of the pipe openings and piping for furnance-boiler from the presence of mechanical impurities, the entry of insects and rodents, and corrosion due to prolonged storage. Also, has an aesthetic category and the marking of piping hot and cold water. Use of these position is required by all businesses that comply with European standards (EN) for that product group.

**Characteristics:** Product design with its cone assembly allows for larger deviations in diameter connecting pipeline. Position is made of PP copolymer which enables easy and fast assembly, and elastic deformation without breaking the strained state, and maintains effectively sealing the first use.

**Dimensions:** Outer diameter of the table with a height of 22 mm.  
Inner diameter of the table with a height of 12 mm.

**Colour:** Blue/red for the outside.  
Black for the inside.

**Packaging:** Towards the enclosed table.  
Basic in PE bag and collective in cardboard box.



## \*Alat u izradi; Tool in making

Šifra artikla Code of articles	Oznaka Mark	Pakovanje (kom.) osnovno/zbirno Packaging (pcs.) basic / collective
03-37	letva Rail for wall heating	

**Namjena:** Služi za pričvršćivanje Pe-X cijevi prečnika fi 10 mm kod instalacija zidnog grijanja ili hlađenja na većim površinama. Pored funkcije držanja cijevi ugradnjom letve postizemo pravilan linijski raspored cijevi srazmjern koraku hvataljki od 25 mm (50, 75, 100, 125, 150 itd). Raspored cjevovoda ovisan je o proračunu ogrevne snage (kW) grijanog prostora. Prednosti zidnog sistema su višestruke: mogućnost grijanja i hlađenja istim cjevovodom, veliki stepen korisnog dejstva, ušteda u prostoru bez narušavanja estetike, nisko temperaturni režim rada izvora energije, prijatan i zdrav ambijent uz povoljnu mikroklimu, ne povećava utrošak maltera - žbuke na zidu. \*Završetci letve omogućavaju PRESS-KLIK spajanje bez ograničenja dužine.

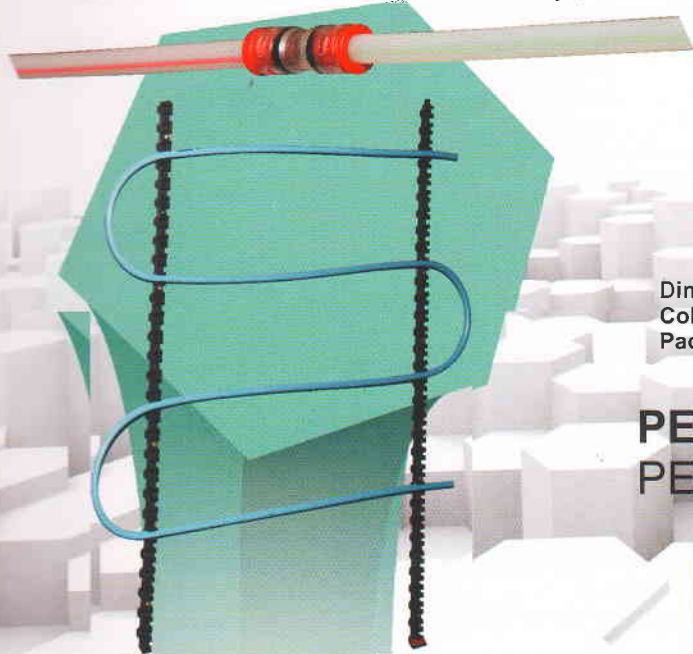
**Osobine:** Pozicija je izrađena tehnološkim postupkom injekcijskog brizganja od visoko kvalitetnog PP copolymera uz dodatak aditiva i boje. Prednost letve u odnosu na druge sisteme montaže je: brzina montaže, čvrsto i klizno držanje cijevi, omogućava pravilan linijski raspored cijevi. Pričvršćivanje za osnovni zid izvodi se udarnom tiplom fi 6 sa vijkom kroz konstruktivno raspoređene otvore na svakih 100 mm. Konstrukcija letve sa kontra usnama omogućava nanošenje i kompaktno vezivanje maltera-žbuke bez mogućnosti odvajanja i vidljivih dilatacija. Dužina letve od 400 mm omogućava podesno i prihvatljivo pakovanje, manipulaciju u radu bez sječenja i otpada. Preporučeni normativ ugradnje je 4 do 6 komada/m<sup>2</sup> ili 0,8-1,2 m linijskog rasporeda.

**Dimenzije:** 400x24x13

**Boja:** Crna

**Pakovanje:** Prema priloženoj tabeli.

Osnovno u PE vrećicu a zbirno u kartonsku kutiju.



**Namjena:** Za instalacije zidnog grijanja ili hlađenja uglavnom na većim površinama.

**Osobine:** Cijevi su izrađene od polietilena specijalne namjene postupkom ekstruzije i kalibriranja (oksigen barijera). Materijal omogućava proizvodu sve potrebne mehaničke osobine za sigurno strujanje tople ili hladne vode u sistemu sa oksigen barijerom. Radni režim cjevovoda je od 15-50°C sa optimalnim pritiskom/tlakom od P=3 bara. Proizvod je atestiran na P max = 10 bara uz t max = 65°C. Cijevi se montiraju pomoću letve (šifra artikla 03-37). Mali prečnik cijevi omogućava ugradnju pod malter - žbuku bez povećanja standardnih debljina nanosa.

**Dimenzije:** fi 10x1,1; fi 10x1,3; fi 10x1,5.

**Boja:** Transparentna/plava/crvena sa uzdužnom injekt print štampom koja sadrži: proizvođač, dimenzija, standard, klasa materijala i maksimalni pritisak, datum proizvodnje (norma) i metre.

**Pakovanje:** Bunt - namotaj dužine 240 m, PP vezice, strečovan.

## Letva za zidno grijanje

### Rail for wall heating



**Purpose:** It serves to attach PE-X pipe diameter fi 10 mm by installing wall heating or cooling over large areas. In addition to the function of holding the pipe rack is achieved by installing a proper arrangement of connecting pipe clamps commensurate step of 25 mm (50, 75, 100, 125, 150, etc). Schedule pipeline depends on the budget firewood power (kW) heated space.

Advantages of the wall system are manifold: possibility of heating and cooling the same pipeline, high level of efficiency, save in space without compromising aesthetics, low temperature mode energy sources, cozy and healthy ambience along with favorable microclimate, no increased consumption of mortar - plaster on the wall.

\* Terminations rails allow PRESS-click connection without length limits.

**Characteristics:** Position has been made of high-grade PP copolymer including additives and color. The advantage of the rack relative to the other mounting systems is: speed of installation, firmly and slide holding the pipe, allows regular schedule line pipe. Attaching the main wall is derived fi 6 screw anchors with a screw through constructive holes spaced every 100 mm. The construction of the counter battens lips to apply and compact binding mortar-mortar without the possibility of separation and visible joints. Length strips of 400 mm allows appropriate and acceptable packing, handling the paper without cutting and waste. Recommended grading installation is 4-6 pcs/m<sup>2</sup> or 0.8-1.2 m linear schedule.

**Dimensions:** 400x24x13

**Colour:** Black

**Packaging:** According to the attached table.

Basicin PE bag and collective in the cardboard box.

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## PE-Xa cijevi za zidno grijanje fi 10

### PE-Xa pipes for wall heating fi 10

Šifra artikla Code of articles	Oznaka Mark	Pakovanje (kom.) osnovno/zbirno Packaging (pcs.) basic / collective
03-38	PE-Xa cijevi za zidno grijanje PE-Xa pipes for wall heating	

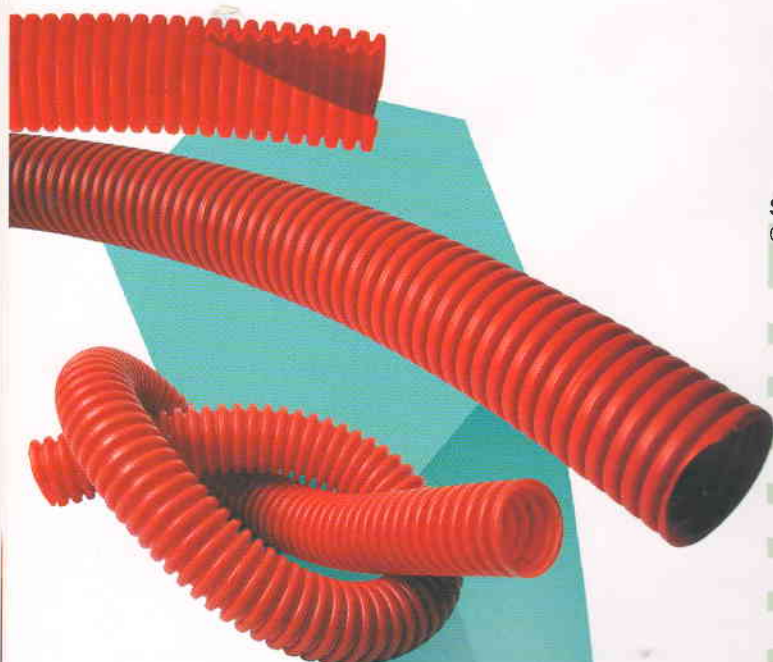
**Purpose:** To install wall heating or cooling mainly over large areas.

**Features:** The tubes are made of polyethylene for special purposes extrusion and calibration (oxygen barrier). The material allows the product all the necessary mechanical characteristics for the safe flow of hot or cold water in the system with oxygen barrier. Working regime pipeline of 15-50°C the optimum pressure / pressure of P = 3 bar. The product is approved at P max = 10 bar with t max = 65°C. The pipes mounted using the rack (article number 03-37). Small diameter pipe allows installation under plaster - plaster without increasing the standard layer thickness.

**Dimensions:** fi 10x1; fi 10x1,3; fi 10x1,5.

**Color:** Transparent / blue / red inflatable inject print the press consisting of : manufacturer , size, standard , class materials and maximum pressure , the date of manufacture ( standard ) and meter.

**Packing:** Bunt - Reel length of 240 m, PP straps, strech.



## Gibliva cijev PP (bužir) The supple pipe PP (the tube)

Šifra artikla Code of articles	Oznaka Mark	Pakovanje (kom.) osnovno/zbirno Packaging (pcs.) basic / collective
04-01	fi 16/fi 11,7	50/300 m
04-02	fi 20/fi 15	50/250 m
04-03	fi 25/fi 19,4	50/250 m
04-05	fi 32/fi 24,9	25/125 m
*04-06	fi 40/fi 31,7	25/125 m
*04-07	fi 9 PP/PA	
*04-08	fi 13 PP/PA	

**Namjena:** Mehanička zaštita za električne, PTT i TV instalacije kod polaganja na zid i u betonske podloge i u autoindustriji.

**Osobine:** Proizvod je izrađen od PP copolymera uz dodatak aditiva i boja propisanih dimenzija i mehaničkih osobina prema normi IEC/EN 61386-1 i elaboratu o ispitivanju sa uvjerenjem o kvalitetu. Kvalitet proizvoda omogućava lako i brzo uvlačenje provodnika u montaži pod svim uglovima savijanja i maksimalnu zaštitu od deformacije i mehaničkih oštećenja. Područje temperaturne primjene u montaži: od -20°C do 135°C.

**Dimenzije:** Prema tabeli

**Boja:** Crvena/oranž

**Pakovanje:** Prema priloženoj tabeli.

Osnovno u termoskuplajućoj foliji a zbirno u PE džakove ili na paleti omotano strech folijom.

\* alati u izradi

\* tools in making

**Purpose:** The mechanical protection for electric, PTT and TV instalations at the laying down on the wall and in concrete bases and in car industry.

**Characteristics:** The product has been made of the PP copolymer including additives and colours of specified dimensions and mechanical characteristics towards standard IEC/EN 61386-1 and reports about the testing with the certificate about the quality. Quality of product enables easily and the quickly indent of conductors in the installation under all angles of bending and the maximum protection from deformations and mechanical damages.

Area of temperature application in the installation: from -20°C to 135°C.

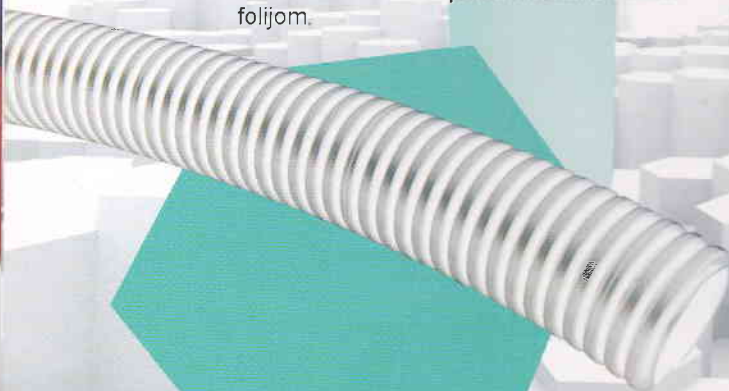
**Dimensions:** Towards the table

**Colour:** Red/orange.

**Packaging:** Towards the enclosed table.

Basic in thermocontracting foil and collective in PE bags or on the pallet wrapped up with strech foil.

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## Gibliva cijev PP (bužir) The supple pipe of PP (the tube)

Šifra artikla Code of articles	Oznaka Mark	Pakovanje (kom.) osnovno/zbirno Packaging (pcs.) basic / collective
04-02 K	(bužir) fi 20 za kondenz klima (the tube) 20 mm for airconditioner condensate	25/125 m

**Namjena:** Za odvod kondenzata na vanjskim jedinicama klima uređaja.

**Osobine:** Proizvod je izrađen od PP copolymera uz dodatak UV stabilizatora i boje što omogućava višegodišnju primjenu bez gubitka mehaničkih osobina. Debljina zida - stijenke je uvećana u odnosu na standardni program.

**Dimenzije:** Prema tabeli

**Boja:** Bijela

**Pakovanje:** Prema priloženoj tabeli.

Osnovno u termoskuplajućoj foliji a zbirno u PE džakove ili na paleti omotano strech folijom.

**Purpose:** For the drain pipe of condensates on external units of air-conditioning unit.

**Characteristics:** Product has been made of the PP copolymer including UV stabiliser and color which enables the perennial application without the loss of mechanical characteristics. Wall thicknesses - membranes have been enlarged in relation to the standard program.

**Dimensions:** Towards the table

**Colour:** White

**Packaging:** Towards the enclosed table.

Basic in thermocontracting foil and collective in PE bags or on the pallet wrapped up with strech foil.

## Gibljiva cijev PP (bužir) - samogasiva

### The supple pipe PP (the tube)

– selfextinguished

Šifra artikla Code of articles	Oznaka Mark	Pakovanje (kom.) osnovno/zbirno Packaging (pcs.) basic / collective
04-01 S	fi 16/fi 11,7	50/300 m
04-02 S	fi 20/fi 15	50/250 m
04-03 S	fi 25/fi 19,4	50/250 m
04-05 S	fi 32/fi 24,9	25/125 m
S = samogasivi		
S = selfextinguished		

**Namjena:** Mehanička zaštita za elektro i PTT instalacije u industriji i građevinarstvu kod polaganja u malter i beton a gdje postoji isključivi tehnički zahtjev projektanta o samogasivosti instalacija.

**Osobine:** Proizvod je izrađen od PP copolymera uz dodatak FLAME retardent aditiva koji sprečava gorenje i sive boje kao simbol samogasivosti. Mehaničke i fizičke karakteristike prema normi IEC/EN 61386-1 i elaboratu o ispitivanju sa uvjerenjem o kvalitetu. Kvalitet proizvoda omogućava lako i brzo uvlačenje provodnika u montaži pod svim uglovima savijanja i maksimalnu zaštitu od deformacija, mehaničkih oštećenja i gorenja. Područje temperaturne primjene u montaži: od -20°C do 160°C a tačka topljenja 250°C.

**Dimenzije:** Prema tabeli

**Boja:** Siva

**Pakovanje:** Prema priloženoj tabeli.

Osnovno u termoskupljajućoj foliji a zbirno u PE džakove ili na paleti omotano strech folijom.

## Gibljiva cijev PP (bužir) - visokonosivi

### The supple pipe PP (the tube)

– selfextinguished

Šifra artikla Code of articles	Oznaka Mark	Pakovanje (kom.) osnovno/zbirno Packaging (pcs.) basic / collective
04-01 VN	fi 16/fi 11,7	50/300 m
04-02 VN	fi 20/fi 15	50/250 m
04-03 VN	fi 25/fi 19,4	50/250 m
04-05 VN	fi 32/fi 24,9	25/125 m
VN = visokonosivi		
VN = selfextinguished		

**Purpose:** The mechanical protection for electric, PTT and TV instalations at the laying down on the wall and in concrete bases.

**Characteristics:** The product has been made of the PP copolymer including additives and orange colour of specified dimensions and mechanical characteristics towards standard IEC/EN 61386-22 and reports about the testing with the certificate about the quality.

Quality of product enables easily and the quickly indent of conductors in the installation under all angles of bending and the maximum protection from deformations and mechanical damages.

Area of temperature application in the installation: from -20°C to 135°C.

**Purpose:** The mechanical protection for the electric power industry and the PTT instalations in industry and the civil engineering at the laying down in the plaster and the concrete and where there is the exclusive technical requirement of the designer about selfextinguishing of the installation

**Characteristics:** Product has been made of the PP copolymer including FLAME retardent, the additive which prevents burning and it is in grey colour as a symbol of selfextinguishability. Mechanical and the physical characteristics towards the standard IEC/EN 61386-1 and the report about the testing with the certificate about the quality.

Quality of product enables easily and the quickly indent of conductors in the installation under all angles of bending and the maximum protection from deformation, mechanical damages and burning. Area of temperature application in the installation: from -20°C to 160°C and the point of melting is 250°C.

**Dimensions:** Towards the table

**Colour:** Grey

**Pakovanje:** Towards the enclosed table.

Basic in thermocontracting foil and collective in PE bags or on the pallet wrapped up with strech foil.

**Namjena:** Mehanička zaštita za električne, PTT i TV instalacije kod polaganja na zid i u betonske podloge.

**Osobine:** Proizvod je izrađen od PP copolymera uz dodatak aditiva i narandžaste boje propisanih dimenzija i mehaničkih osobina prema normi IEC/EN 61386-22 i elaboratu o ispitivanju sa uvjerenjem o kvalitetu. Kvalitet proizvoda omogućava lako i brzo uvlačenje provodnika u montaži pod svim uglovima savijanja i maksimalnu zaštitu od deformacije i mehaničkih oštećenja.

Područje temperaturne primjene u montaži: od -20°C do 135°C.

**Dimenzije:** Prema tabeli.

**Boja:** Oranž.

**Pakovanje:** Prema priloženoj tabeli.

Osnovno u termoskupljajućoj foliji a zbirno u PE džakove ili na paleti omotano strech folijom.

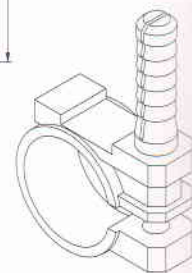
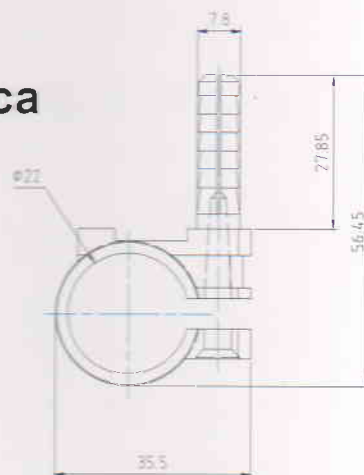
**Dimensions:** Towards the table

**Colour:** Orange

**Pakovanje:** Towards the enclosed table.

Basic in thermocontracting foil and collective in PE bags or on the pallet wrapped up with strech foil.

## Cijevna obujmica Pipe clamp



**Namjena:** Za pričvršćivanje PN cijevi, gibljivih cijevi (bužira) i direktno PGP elektroprovodnika.

**Osobine:** Pozicije su urađene od visoko kvalitetnog PP copolymera uz dodatak aditiva i boje. Omogućava brzu montažu i pričvršćivanje bez tiple uz ispunjenje estetskih zahtjeva.

**Dimenzije:** Prema crtežu i tabeli

**Boja:** Crvena/bijela

**Pakovanje:** Prema priloženoj tabeli. Osnovno u PE vrećicu a zbirno u kartonsku kutiju.

**Purpose:** For the fastening PN pipes, supple pipes (the tube) and directly PGP electroconductor.

**Characteristics:** Positions have been made of high-grade PP copolymer including additives and color. Enables the fast installation and the fastening without the wall plug with the fulfillment of the esthetic requires.

**Dimensions:** Towards the figure and tables

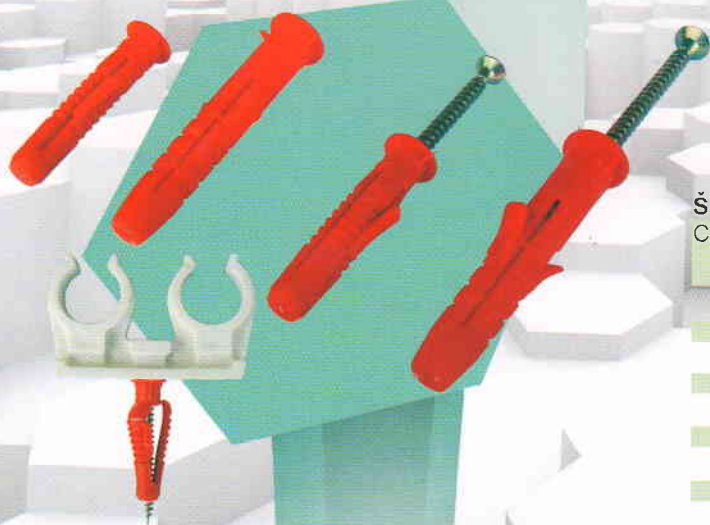
**Colour:** Red / white

**Packaging:** Towards the enclosed table. Basic in PE bag and collective in the cardboard box.

Šifra artikla Code of articles	Oznaka Mark	Pakovanje (kom.) osnovno/zbirno Packaging (pcs.) basic / collective
03-14	3/8" (fi 16-18)	50/3000
03-15	1/2" (fi 20-22)	50/2500
03-16	3/4" (fi 25-27)	50/1000
03-17	3/8" (fi 16-18) sa vijkom 4x50 with the screw	50/3000
03-18	1/2" (fi 20-22) sa vijkom 4x50 with the screw	50/2500
03-19	3/4" (fi 25-27) sa vijkom 4,5x70 with the screw	50/1000

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## Tipl Plug



Šifra artikla Code of articles	Oznaka Mark	Pakovanje (kom.) osnovno/zbirno Packaging (pcs.) basic / collective
03-10	fi 8x45	50/100/1000/8000
03-12	fi 8x45 sa vijkom 4x60 with the screw	50/100/1000/5000
03-11	fi 10x60	50/100/1000/5000
03-13	fi 10x60 sa vijkom 4,5x70 with the screw	50/100/1000/3000

**Namjena:** Za pričvršćivanje u beton, u porozne materijale, šuplje cigle i opeke.

**Osobine:** Proizvod je izrađen od PP copolymera uz dodatak aditiva i boja konstruktivno izveden sa 3 i 4 perforacije, što omogućava "gužvajući efekat" deformacije u ugradnji a što je posebno bitno kod šupljih materijala. Za dobijanje navedenog efekta potrebno je koristiti duži vijak od tiple kao u tabeli.

**Dimenzije:** Prema tabeli

**Boja:** Orange - crvena

**Pakovanje:** Prema priloženoj tabeli. Osnovno u PE vrećicu a zbirno u kartonsku kutiju.

**Purpose:** For the fastening in the concrete, in porous materials, hollowly bricks and bricks.

**Characteristics:** Product has been made of the PP copolymer including additives and colours constructively performed with the 3 and 4 perforations, which enables "creasing effect" deformations in the installation and which is the specially significant at hollow materials. For getting the mentioned effect it is necessary to use the longer screw from the wall plug as in the table.

**Dimensions:** Towards the table

**Colour:** Orange - red

**Packaging:** Towards the enclosed table. Basic in PE bag and collective in the cardboard box.

# Fiksator kablova

## Fixator cables

Šifra artikla Code of articles	Oznaka Mark	Pakovanje (kom.) osnovno/zbirno Packaging (pcs.) basic / collective
03-33	Fiksator kablova Fixator cables	100/1000

**Namjena:** Pričvršćivanje kablova manjih promjera na zidove i plafone kućnih i industrijskih instalacija u "podžbuk" izvedbi; jednoredno i dvoredno. Prednost ovog sistema u odnosu na klasično-gipsanjem je:

- Vremenska ušteda u montaži,
- Produktivnost montera,
- Higijenski pristupačniji način montaže,
- Ekonomski - cjenovno isplativiji postupak.

Čelični ekseri za beton omogućavaju fiksiranje bez obzira na tvrdoću i vrstu podloge, a bez posebnog alata.

Nanošenje maltera - žbuke preko fiksatora je omogućeno s obzirom da je površina hrapava i perforirana sa 6 otvora što obezbjeđuje kompaktnost.

**Osobine:** Pozicija je izrađena tehnološkim postupkom injekcijskog brizganja polimera; kompozit PE+PP da bi se zadovoljile mehaničke osobine i visoka udarna žilavost na temperaturama primjene od -10°C do 80°C.

**Dimenzije:** Elipsa 40/25 sa umetnutim čeličnim ekserom za beton fi 3x60 mm.

**Boja:** Nebojeno - transparentno.

**Pakovanje:** Količina od 100 kom. je osnovno pakovanje, a zbirno od 1000 kom. u kartonskoj kutiji.

**Purpose:** Attaching cables smaller diameter on the walls and ceilings home and industrial installations in the "flush" performances; single row and double row. The advantage of this system compared to conventional-grouting is:

- Time savings in installation,
- Productivity fitters,
- Hygiene accessible mode installation,
- Economic - cost more cost-effective procedure.

Steel nails for concrete allow fixing regardless of the hardness of the substrate, and without any special tools.

Applying mortar - plaster over the fixator is possible considering that the surface is rough and perforated with six holes which provides compactness.

**Characteristics:** This position is made technological process injection molding polymers, composite PE+PP to meet the mechanical properties and high impact toughness at temperatures of application -10°C to 80°C.

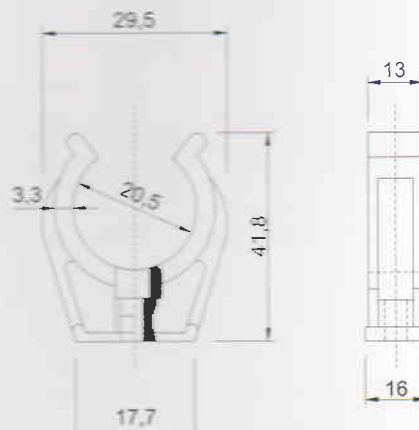
**Dimensions:** Elipse 40/25 with a steel nails for concrete fi 3x60 mm.

**Colour:** No color - transparent.

**Packaging:** Amount of 100 pieces is the basic package, and collectively 1000 pieces in cardboard box.

## Nosač jednoredni Girder one-row (green)

Šifra artikla Code of articles	Oznaka Mark	Pakovanje (kom.) osnovno/zbirno Packaging (pcs.) basic / collective
01-05	No 20-22 (1/2")	50/2500



**Namjena:** Brzo učvršćivanje cjevovoda za sanitarnu vodu u izvedbi sa PPR cijevima (Vargon, AQUA therm, Peštan itd).

**Osobine:** Pozicije su urađene od visoko kvalitetnog PP copolymera uz dodatak aditiva i boje.

**Dimenzije:** Prema crtežu i tabeli

**Boja:** Zelena

**Pakovanje:** Prema priloženoj tabeli.

Osnovno u PE vrećicu a zbirno u kartonsku kutiju.

**Purpose:** Quick strengthening of pipelines for the sanitary water in the version with PPR pipes (Vargon, AQUA therm, Peštan etc).

**Characteristics:** Positions have been made of high-grade PP copolymer including additives and color.

**Dimensions:** Towards the figure and tables

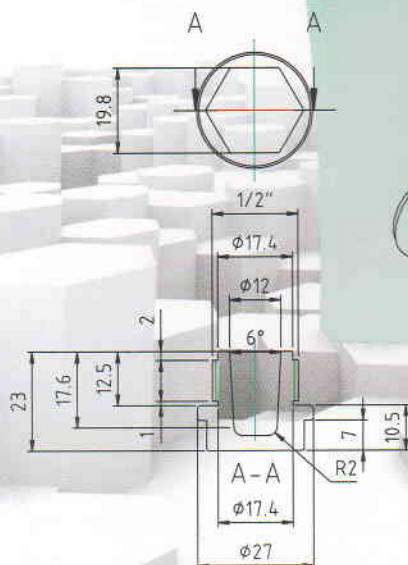
**Colour:** Green

**Packaging:** Towards the enclosed table.

Basic in PE bag and collective in the cardboard box.

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## Čep 1/2" Cap 1/2"



Šifra artikla Code of articles	Oznaka Mark	Pakovanje (kom.) osnovno/zbirno Packaging (pcs.) basic / collective
03-24	zelena/sivametalič green /metalik grey	25/3500

**Namjena:** Kod završne montaže cjevovoda sanitarne vode a kao pozicija za zatvaranje svih rezervnih izlaza od 1/2".

**Osobine:** Pozicije su urađene od PS (polysthiren) visoke tvrdoće, udarne žilavosti, što omogućava upotrebu proizvoda više puta. Područje temperaturne primjene u montaži: od -5°C do 115°C. Materijal proizvoda posjeduje FOOD certifikat.

**Dimenzije:** Prema crtežu i tabeli

**Boja:** Zelena/sivometalič.

**Pakovanje:** Prema priloženoj tabeli sa montiranim gumenim "o" - ringom.

Osnovno u PE vrećicu a zbirno u kartonsku kutiju.

**Purpose:** At the final installation of pipelines of sanitary water and as a position for the closing all stand-by exits of 1".

**Characteristics:** Positions have been made of the PS (the polysthiren) high solidity, the impact toughness, which enables the use of product many times. Area of temperature application in the installation: from -5°C to 115°C. The material of product possesses FOOD certificate.

**Dimensions:** Towards the figure and tables

**Colour:** Green / metallic grey.

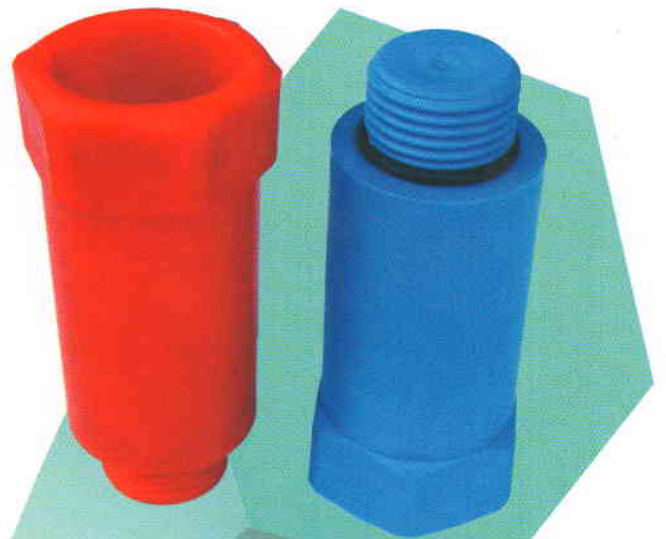
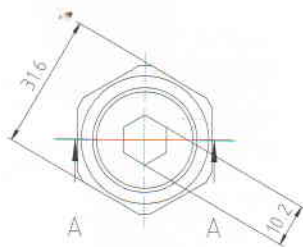
**Packaging:** Towards the enclosed table with installed rubber "o" - ring. Basic in PE bag and collective in the cardboard box.

# Montažno - ispitni čep

## Prefabricated - testing cap



A-A



Šifra artikla Code of articles	Oznaka Mark	Pakovanje (kom.) osnovno/zbirno Packaging (pcs.) basic / collective
03-23	čep 1/2" Cap 1/2"	10/700

**Namjena:** Kod montaže cjevovoda sanitarne vode a kao pozicija za zatvaranje svih izlaza od 1/2" radi ispitivanja cjevovoda na maksimalni pritisak i sprečavanja ulaska nečistoća u cjevovod do završne montaže sanitarija.

**Osobine:** Pozicije su urađene od PP (polypropilen) visoke tvrdoće, udarne žilavosti, što omogućava upotrebu proizvoda više puta.  
Područje temperaturne primjene u montaži:  
od -5°C do 105°C.  
Materijal proizvoda posjeduje FOOD certifikat.

**Dimenzije:** Prema crtežu i tabeli

**Boja:** Crvena/Plava, što označava liniju tople i hladne vode u montaži.

**Pakovanje:** Prema priloženoj tabeli, sa montiranim gumenim "o"- ringom.  
Osnovno u PE vrećicu a zbirno u kartonsku kutiju.

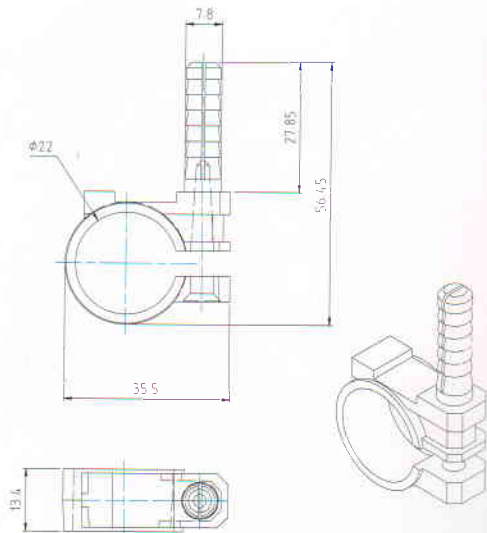
**Purpose:** At the installation of pipelines of sanitary water and as the position for closing all exits of 1" for the purpose of the testing of pipelines for the maximum pressure and preventions of entry of dirt in the pipeline up to the final installations of toilet facilities.

**Characteristics:** Positions have been made of the PP (the polypropilene) high solidity, the impact toughness, which enables the use of product many times.  
Area of temperature application in the installation:  
from -5°C to 105°C.  
The material of product possesses FOOD certificate.

**Dimensions:** Towards the figure and tables

**Colour:** Red / Blue, which marks the line of warm and cold water in the installation.

**Packaging:** Towards the enclosed table, with installed rubber "o"- ring.  
Basic in PE bag and collective in the cardboard box.



## Cijevna obujmica Pipe clamp



**Namjena:** Brzo učvršćivanje cjevovoda za sanitarnu vodu u izvedbi sa PPR cijevima (Vargon, AQUA therm, Peštan itd) kao i ALUPLAST cijevi u podnom razvodu grijanja.

**Osobine:** Pozicije su urađene od visoko kvalitetnog PP copolymera uz dodatak aditiva i boje. Omogućava brzu montažu i pričvršćivanje bez tiple uz ispunjenje estetskih zahtjeva.

**Dimenzije:** Prema crtežu i tabeli

**Boja:** Zelena/bijela

**Pakovanje:** Prema priloženoj tabeli.  
Osnovno u PE vrećicu a zbirno u kartonsku kutiju.

Šifra artikla Code of articles	Oznaka Mark	Pakovanje (kom.) osnovno/zbirno Packaging (pcs.) basic / collective
03-14	3/8" (fi 16-18)	50/3000
03-15	1/2" (fi 20-22)	50/2500
03-16	3/4" (fi 25-27)	50/1000

**Purpose:** Quick strengthening of pipelines for the sanitary water in the version with PPR pipes (Vargon, AQUA therm, Peštan etc) as well as ALUPLAST pipes in the underfloor separation of heating.

**Characteristics:** Positions have been made of high-grade PP copolymer including additives and color. Enables the fast installation and the fastening without the wall plug with the fulfillment of the esthetic requires.

**Dimensions:** Towards the figure and tables

**Colour:** Green / white

**Packaging:** Towards the enclosed table.  
Basic in PE bag and collective in cardboard box.

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## Cijevna obujmica sa vijkom Pipe clamp with the screw

Šifra artikla Code of articles	Oznaka Mark	Pakovanje (kom.) osnovno/zbirno Packaging (pcs.) basic / collective
03-17	3/8" (fi 16-18) sa vijkom 4x50 with the screw	50/3000
03-18	1/2" (fi 20-22) sa vijkom 4x50 with the screw	50/2500
03-19	3/4" (fi 25-27) sa vijkom 4,5x70 with the screw	50/1000

**Namjena:** Brzo učvršćivanje cjevovoda za sanitarnu vodu u izvedbi sa PPR cijevima (Vargon, AQUA therm, Peštan itd) kao i ALUPLAST cijevi u podnom razvodu grijanja.

**Osobine:** Pozicije su urađene od visoko kvalitetnog PP copolymera uz dodatak aditiva i boje. Omogućava brzu montažu i pričvršćivanje bez tiple uz ispunjenje estetskih zahtjeva.

**Dimenzije:** Prema crtežu i tabeli

**Boja:** Zelena/bijela

**Pakovanje:** Prema priloženoj tabeli.  
Osnovno u PE vrećicu a zbirno u kartonsku kutiju.

**Purpose:** Quick strengthening of pipelines for the sanitary water in the version with PPR pipes (Vargon, AQUA therm, Peštan etc) as well as ALUPLAST pipes in the underfloor separation of heating.

**Characteristics:** Positions have been made of high-grade PP copolymer including additives and color. Enables the fast installation and the fastening without the wall plug with the fulfillment of the esthetic requires.

**Dimensions:** Towards the figure and tables

**Colour:** Green / white

**Packaging:** Towards the enclosed table.  
Basic in PE bag and collective in cardboard box.

# Maska za završno koljeno

## Mask for final knee

Šifra artikla Code of article	Pakovanje (kom.) osnovno/zbirno Packaging (pcs.) basic / collective
03-32	10/300

**Namjena:** Za estetsku funkciju kod cjevovoda 1/2" za sanitarnu vodu u izvedbi sa PPR cijevima (VARGON, PEŠTAN). Pozicija se montira nakon završetka cjevovoda, a prije montaže izlaza slavina ili baterija za vodu. Navedena pozicija daje vizuelni efekat kompaktnosti izlaznih priključaka, skriva tragove montaže i tiple, kao i eventualna oštećenja u zidnoj oblozi.

**Osobine:** Pozicija je urađena od visokokvalitetnog PP copolymera uz dodatak aditiva i boje. Omogućava brzu ručnu montažu i samopričvršćivanje uz elastična pera koja kompaktno drže poziciju.

**Dimenzije:** fi 73,5 / fi 30,5 x 53,5.

**Boja:** Bijela/zelena.

**Pakovanje:** Prema priloženoj tabeli. Osnovno u PE vrećice, a zbirno u kartonske kutije.

**Purpose:** For aesthetic function pipes 1/2" for hot water performed with PPR pipes (VARGON, PEŠTAN). Position the mounting after completion of the pipeline, before mounting output taps or battery water. Said position gives the visual effect, compactness output ports, hiding traces of assembly and fixings, as well as possible damage to the wall wraps.

**Characteristics:** This position is made from high quality PP copolymer with additives and colors. Allows quick installation manual and fixing themselves with elastic pen that compactly hold the position.

**Dimensions:** fi 73,5 / fi 30,5 x 53,5.

**Colour:** White/green.

**Packaging:** According to the attached table. Basic in PE bags, and summarized in cardboard boxes.

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# Ukrasna maska balkonskih ograda

## Grille balcony railings

Šifra artikla Code of article	Pakovanje (kom.) osnovno/zbirno Packaging (pcs.) basic / collective
03-36	10/50

**Purpose:** To protect steel balcony railings of rate corrosion, primarily as an aesthetic function.

**Characteristics:** The same as in the catalog 03-30.

**Dimensions:** 180x102x14 mm with standard openings: 40x40, 45x45, 50x50, 50x80, or to order buyer for larger quantities.

**Colour:** White/gray/brown.

**Packaging:** As 03-30

**Namjena:** Za zaštitu čelične stope balkonskih ograda od korozije, a prvenstveno kao estetska funkcija.

**Osobine:** Isto kao u katalogu 03-30.

**Dimenzije:** 180x102x14 mm sa standardnim otvorima: 40x40, 45x45, 50x50, 50x80, ili po narudžbi kupca za veće količine.

**Boja:** Bijela/siva/braon

**Pakovanje:** Kao 03-30.

## HDPE vrećice tregerice sa štampom HDPE printed plastic bags for supermarkets and boutiques



Vrećice su izrađene od polietilena visoke gustine (HDPE). Proizvode se u različitim dimenzijama i bojama, po želji kupaca, sa mogućnošću štampe u šest boja. Koriste se u trgovačkim centrima i za reklamne svrhe.

Bags are made of high density polyethylene (HDPE). They are produced in different dimensions and colors, according to customer's wishes, with printing capability in six colors. They are used in shopping centres and for marketing purposes.

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## HDPE, LDPE vrećice sa banana ručkom HDPE, LDPE printed bags with banana handle



Vrećice su izrađene od polietilena visoke gustine (HDPE), odnosno od polietilena niske gustine (LDPE). Proizvode se u različitim dimenzijama i bojama, po želji kupaca, sa mogućnošću štampe u šest boja.

Bags are made of high density polyethylene (HDPE) or low density polyethylene (LDPE). They are produced in different dimensions and colors, according to customer's wishes, with printing capability in six colors.

# Streč folija za paletno pakovanje HDPE, LDPE bags for freezing

Samoljepljive folije nudimo u dvije vrste pakovanja:

- Ručne rolne po 5 kg
  - Mašinske rolne po 17 kg
- Širina streč folija je 500 mm, a debljina folija je 0,023 mm.



Self adhesive foils are offered in two types of packaging:

- Hands rolls 5 kg
  - Mechanical rolls 17 kg
- Dimensions: with 500 mm, thickness 0,023 mm

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## Vreće za smeće Garbage bags

Izrađujemo vreće za smeće od:

- 40 l (10/1), transportno pakovanje 25 paketa,
- 70 l (10/1), transportno pakovanje 25 paketa,
- 120 l (10/1), transportno pakovanje 25 paketa.

We produce garbage bags of:

- 40 l (10/1), transportation package 25 packages
- 70 l (10/1), transportation package 25 packages
- 120 l (10/1), transportation package 25 packages



## LDPE termoskupljajuća folija LDPE thermo-shrinking foil

It is made of low density polyethylene (LDPE). It is used for all kinds of PET packaging, bottles and cans. The most common use is for the collective drinks wrapping (juice, water, beer). It protect products from the dust, dirt and other weather conditions. Also, it protect products from damaging and enables easier handling in transport. It is characterized by high strenght and transparency. It is produced in different dimensions, according to customer's wishes.



Izrađena je od polietilena niske gustine (LDPE). Namijenjena je za pakovanje svih vrsta PET ambalaže, boca i limenki. Najviše se primjenjuje u pakovanju pića (voda, sokovi, pivo). Ima zaštitnu ulogu od prašine, prijavštine i vremenskih uticaja. Štiti proizvode od oštećenja i omogućava lakše rukovanje prilikom transporta. Odlikuje se visokom čvrstoćom i prozirnošću. Izrađuje se u različitim dimenzijama u zavisnosti od želje kupaca.



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## LDPE, HDPE folija za zbirno pakovanje u rolni LDPE, HDPE foil for overpack in rolls

Izrađena je od polietilena niske gustine (LDPE) i polietilena visoke gustine (HDPE). Namijenjena je za zbirno pakovanje različitih vrsta proizvoda. Izrađuje se u različitim dimenzijama u zavisnosti od želje kupaca.



It is made of low density polyethylene (LDPE) and high density polyethylene (HDPE). It is intended to overpack different types of products. It is produced in different dimensions, according to customer's wishes.



# LDPE vreće za zbirno pakovanje

## LDPE bags for overpack



Vreće i folije su izrađene od polietilena niske gustine (LDPE). Upotrebljavaju se za pakovanje industrijskih i prehrambenih proizvoda. Široku primjenu imaju u pakovanju peleta, soli i šećera. Štite proizvode od vlage i ostalih vremenskih uticaja. Odlikuju se visokom čvrstoćom i prozirnošću. Izrađuju se u različitim dimenzijama, u zavisnosti od želje kupaca, sa mogućnošću štampe u šest boja.

Bags and foils are made of low density polyethylene (LDPE). They are used for packaging industrial and food products. They have wide application in packaging pellets, salt and sugar. They protect products from the dust, humidity and other weather conditions. They are characterized by high strength and transparency. They are produced in different dimensions, according to customer's wishes, with printing capability in six colors.



## HDPE, LDPE vrećice za zamrzivač

### HDPE, LDPE bags for freezing

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Izrađujemo vrećice za zamrzivač od polietilena visoke gustine (HDPE) i polietilena niske gustine (LDPE):

HDPE vrećice za zamrzivač:

- 2 l (50/1)
- 3 l (40/1)
- 4 l (30/1)
- 5 l (50/1)

LDPE vrećice za zamrzivač:

- 3 l (30/1)
- 4 l (20/1)



We produce bags for freezing made of high density polyethylene (HDPE) or low density polyethylene (LDPE):

HDPE bags for freezing:

- 2 l (50/1)
- 3 l (40/1)
- 4 l (30/1)
- 5 l (50/1)

LDPE bags for freezing:

- 3 l (30/1)
- 4 l (20/1)



**Uvoz i prodaja  
granulata polimera**

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**Import and sales  
of polymer granules**

Od osnivanja firme 1998 godine u kontinuitetu se bavimo snadbijevanjem BiH tržišta sa vlastitog skladišta repro materijalom za prerađivače termoplastičnih masa - polimera i to:

**Polypropileni** (PP) za sve tehnološke postupke prerade i aplikacije od renomiranih evropskih proizvođača sa trgovačkim imenom: Mosten, Borealis, Tipplen, Hipolen P, DOW.

**Polyethilen** (HDPE) za sve tehnološke postupke prerade i aplikacije od renomiranog proizvođača:

Unipetrol RPA -CZ

Liten

(LDPE) za ekstruziju - folijske tipove od više proizvođača

Tipolen, Hipolen, DOW, SABIC.

**Polysthirene** (PS) za tehnološki postupak brizganja i ekstruzije.

**Boje - masterbatch** za PE, PP, PS, PVC i PET u granulama od renomiranih proizvođača, trgovačkih naziva:

**Kritilen** - Plastika Kritis S.A. Grčka za PE, PP i PS

**Polybatch** - A.Schulman N.V. Belgium PE, PP i PS

**PolyOne** SAD (Hungary) za PET i PVC

\*\*\*Za tipove granulata koji se primjenjuju u prehrani posjedujemo originalne FOOD certifikate.

**Aditivi** za PE i PP **Polybatch**: UV stabilizatori, antioxidant, slip, antistatik, antiblock, flame ratadent, procesing, cleaner, punioci; filler CaCo3 i talk.

**Tehnički polimeri**: PA, POM, PC, ABS, SAN i drugo isključivo po zahtjevu kupca.

\*Osnovno pakovanje granulata polimera masterbacha i aditiva je u vrećama po 25 kg a paletno 1250 ili 1375 kg.

\*Ekskluzivni smo distributeri za prodaju HDPE Liten i PP Mosten (fabrika  **Unipetrol RPA**, s.r.o. - Češka) za čije materijale posjedujemo:

- Kompletnu katalogsku dokumentaciju granulata

- Tehničko - tehnološke listove i originalne certifikate za dozvoljeni kontakt sa životnim namirnicama "CONTACT WITH FOOD" kao i upotrebu u medicinske svrhe.

Iste dostavljamo na zahtijev kupca uz fakturu.

Kao ekskluzivni distributeri kupcima obezbjeđujemo edukaciju i tehničku podršku kod praktične primjene i rješavanja problema prerade PP Mostena i HDPE Litena a uz pomoć najstručnijeg tehničkog kadra Unipetrola.

Since the establishment in 1998 we have been continually dealing with the market supply with repromaterial out of our personal warehouse for manufacturers of thermoplastic masses - polymers as follows:

**Polypropilens** (the PP) for all technological processes of remodelling and applications from respectable European manufacturers with the trade name:

Mosten, Borealis, Tipplen, Hipolen P, DOW.

**Polyethilen** (the HDPE) for all technological processes of remodelling and applications from the respectable manufacturer:

Unipetrol RPA - CZ

Liten

(LDPE) for extrusion - foil types from many manufacturers

Tipolen, Hipolen, DOW, SABIC.

**Polysthirene** (the PS) for the technological process of gushing and extrusion.

**Color - masterbatch** for PE, PP, PS, PVC and PET in granules from respectable manufacturers, with trade names:

Kritilen - Plastika Kritis S.A. Greece for PE, PP and PS

Polybatch - A.Schulman N.V. Belgium PE, PP and PS

PolyOne USA (Hungary) for PET and PVC

\*\*\* For the types of granules which apply in the nutrition, we have the authentic FOOD certificate.


**Additives for PE and PP Polybatch**: UV stabilisers, antioxidant, slip, antistatic, antiblock, flame ratadent, processing, cleaner, loaders ;

filler CaCo3 and the talc.

**Technical polymers**: PA, POM, PC, ABS, SAN and the other exclusive by the buyer's request.

\* the Basic packaging of polymer granules of masterbach and additives is in 25 kg bags and pallet of 1250 or 1375 kg.

\* We are exclusive distributors for the sale of HDPE Liten and PP Mosten

(factory  **Unipetrol RPA**, s.r.o. - Czech Republic) for whose materials

we have:

- The complete catalogue documentation of granules

- Technical - technological data sheets and authentic certificates for the permitted contact with life foods "CONTACT WITH FOOD" as well as for the use in medical purposes.

Those papers we deliver on the request of the buyer with the invoice.

As the exclusive distributors we ensure to the buyers the education and the technical support at the practical implementation and problem solvings in remodelling the PP Mosten and HDPE Litena and with the help of most professional technical staff of Unipetrol.

## Veleprodaja opreme za centralno grijanje

### Wholesales of the equipment for the central heating

Vežano za našu osnovnu proizvodnu djelatnost; proizvodnja plastičnih pozicija za instalacije centralnog grijanja proistekla je potreba za plasmanom i drugih pozicija za instalacije centralnog grijanja koje su domaćeg i ino porijekla renomiranih proizvođača. Navedeni plasman obavljamo putem **veleprodaja** kako na lokalnom tako i na cijelom prostoru BiH.

Obostranu poslovnu saradnju (kupac - dobavljač) ostvarili smo sa renomiranim trgovačkim kućama i proizvođačima u BiH. Putem kojih plasiramo i uvožnu robu za centralno grijanje poznatih ino proizvođača: HERZ, Viega, Vaillant, Danfoss, Vogel&Noot, TBK, Viadrus, Heimeier, Armal, Oventrop, Wilo, IMP, Interplast, Caleffi, Unipipe, Firat, Termomont, Energosystem - Novi Sad. Također plasiramo robu od domaćih proizvođača: Lafat - Kalesija, Kovan M.I. - Gračanica.

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Related to our basic production industry ; production of plastic positions for the installation of central heating there was a necessity for the placement and the other positions for the installation of central heating which are domestic and foreign origin of respectable manufacturers.

Mentioned placement we carry out via the wholesales both and on local and on the whole area of BH.

The double-sided business cooperation ( buyer - supplier) has accomplished with respectable firms and manufacturers in BH. over which we distribute and import the goods for the central heating of the well known foreign manufacturers as follows: HERZ, Viega, Vaillant, Danfoss, Vogel&Noot, TBK, Viadrus, Heimeier, Armal, Oventrop, Wilo, IMP, Interplast, Caleffi, Unipipe, Firat, Termomont, Energosystem - Novi Sad.

We also distribute the goods by domestic manufacturers as follows: Lafat - Kalesija, Kovan M.I. - Gračanica.



## Izvoz: zastupnici i distributeri

### Export: representatives and distributors

#### Slovenija (SLO)

ekskluzivni distributer:  
???

#### Slovenia (SLO)

exclusive distributor:  
???

#### Hrvatska (CRO)

ekskluzivni distributer:  
???

#### Croatia (CRO)

exsclusive distributor:  
???

#### Srbija (SRB)

ekskluzivni distributer:  
???

#### Serbia (SRB)

exclusive distributor:  
???

#### Crna Gora (MNE)

ekskluzivni distributer:  
???

#### Montenegro (MNE)

exclusive distributor:  
???

#### Kosovo (

ekskluzivni distributer:  
???

#### Kosovo (

exclusive distributor:  
???

#### Macedonija (MKD)

ekskluzivni distributer:  
???

#### Macedonija (MKD)

exclusive distributor:  
???





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poly



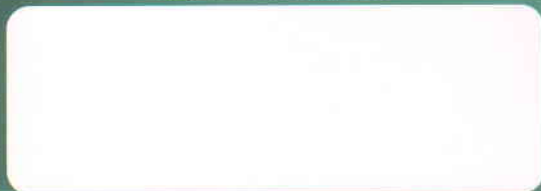


Lokacija i izgled





Ekskluzivni distributer



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