Huliot®



ULTRASILENT™

Akustični sustav odvodnih cjevovoda

Tehnički katalog

HuliotGroup



Sadržaj

Opis sustava Ultra Silent™ 4
Glavne značajke 5
Označavanje 6
Tehnički podaci 8
Akustička svojstva 9
Ultra Silent™ - Fraunhoferovo izvješće o ispitivanju 9
Odobrenja i certifikati proizvoda 10
Ugradnja sustava Ultra Silent™ 12
- 1.1 | Priprema i montaža cijevi 12
- 1.2 | Prolazi kroz stropove, podove i zidove 13
- 1.3 | Popravci i ugradnja 15

Transport, rukovanje i skladištenje 16
Acoustic Clamp™ 17
Pressure Clamp™, End Lock™ 18
Lock Seal™ 19
Ultra Seal™ 20
Asortiman proizvoda 21
- Cijev s jednom utičnicom 22
- Cijev s dvjema utičnicama 23
- Koljeno 15°, koljeno 30°, koljeno 45° 24
- Koljeno 67.5°, koljeno 87.5° 25
- Račva 45°, račva 87.5° 26
- Hidraulički oblikovana račva 87.5°, kutna račva 87.5°, dvostruka račva 67.5° 27
- Dvostruka račva 87.5°, revizijska cijev 28
- Dvostruka utičnica, klizna spojnica 29
- Duga utičnica, redukcija 30
- Sifon/sabirnik, tehničko koljeno 31
- Ravni fazonski komad / priključak sifona, gumena brtva, završni čep 32
- Dugo WC koljeno, akustična obujmica, Lock Seal™ 33
- End Lock™, Pressure Clamp™, Ultra Seal™ 34
- Mazivo 35

Opis sustava

HULIOT ULTRASILENT™

Akustični, troslojni sustav sa spojevima na utiskivanje, sastavljen od cijevi i fazonskih komada za odvodnju fekalnih i otpadnih voda pri niskim i visokim temperaturama, unutar građevinske konstrukcije (područje primjene „B") i ukopan u tlo (područje primjene „BD").

Cijevi imaju troslojnu stijenku s vanjskim i unutarnjim slojem od polipropilena (PP) te srednjim slojem od polipropilena s mineralnim punilom (PP-MD). Fazonski komadi izrađeni su od PP-MD-a. Materijali ne sadrže halogene ni kadmij.

Spojevi se izvode utičnim spojevima na utiskivanje s elastomernim brtvama.

Prikladno za odvodnju tekućina u skladu s DIN 8078, pH vrijednosti od 2 do 12, pri atmosferskom tlaku i najvećoj radnoj temperaturi između 95 °C i 98 °C tijekom kratkih razdoblja.

Prikladno za izvedbu ventilacijskih sustava, sustava oborinske odvodnje i odvodnje. Može se upotrebljavati pri temperaturama okoliša do najmanje -25 °C.

Sustav ima razinu zvuka Lsc,A od 15 dB(A) pri protoku 2 l/s, izmjerenu prema EN 14366 i certificiranu od Fraunhofer Instituta za građevinsku fiziku u Stuttgartu, izvješće br. P-BA 20/2019e. Ispitivanje je provedeno s Huliot akustičnim obujmicama.

Razred reakcije na požar D-s2,d2 prema EN 13501-1.

Sustav Ultra Silent™ certificirali su SKZ, DIBt - Njemačka, DTI - Danska, AENOR - Španjolska i SII - Izrael. U skladu s HR 3.43, DIN EN 14366, UNE EN 1451-1 i IS 958 „Plastični cjevovodni sustavi za odvodnju fekalnih i otpadnih voda (niske i visoke temperature) unutar građevinske konstrukcije".



Glavne značajke

Izvrsna akustička svojstva

15 dB(A) pri protoku 2 l/s, prema EN 14366, uz uporabu Huliot obujmica

Visoka kemijska otpornost

Širok raspon promjera

DN 32mm do DN 200mm

Svi materijali usklađeni su s RoHS direktivom

i ne sadrže halogene ni kadmij

Visoka otpornost na udar

čak i pri niskoj temperaturi (-25 °C)

Stabilna montaža

zahvaljujući povećanoj dubini utičnice

Visoka UV otpornost

zahvaljujući crnoj boji vanjskog sloja

10-godišnje jamstvo

Izvrsna otpornost na visoke temperature

95 °C kontinuirano,

98 °C povremeno

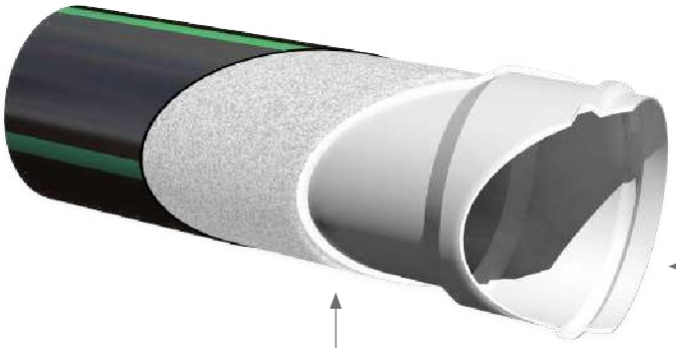
Glađi i povećani protok

zahvaljujući račvama s hidraulički oblikovanim kutom i optimiziranom dizajnu

Mogućnost recikliranja

proizvodi Ultra Silent™ imaju oznaku Green Label i EPD za ekološki prihvatljive proizvode

Označavanje sustava



Vanjski sloj

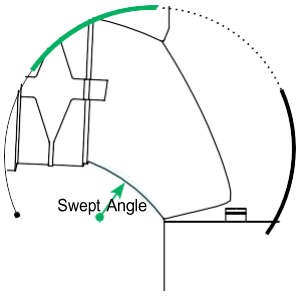
crni PP pruža izvrsnu otpornost na udar i dugotrajnu UV zaštitu.

Srednji sloj

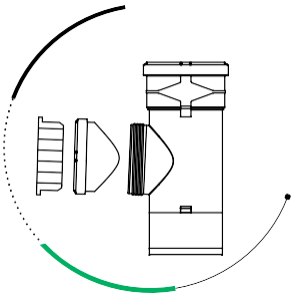
PP i PP-MD pružaju visoku mehaničku otpornost i izvrsna svojstva zvučne izolacije.

Unutarnji sloj

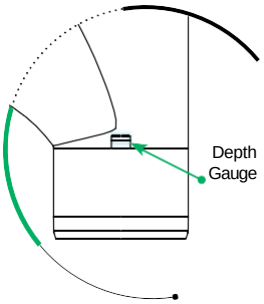
bijeli PP omogućuje najbolje hidrauličke performanse i kontrast visoke razlučivosti za vizualni pregled.



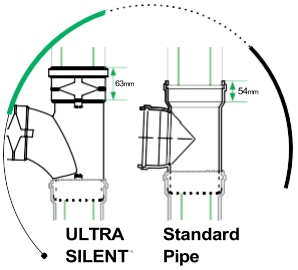
Pametan dizajn
Ultra Discharge Rate Ultra Smooth Flow



Unutarnji čep
Ultra Smooth Flow Ultra Silent™



Mjerač dubine
Ultra Fit

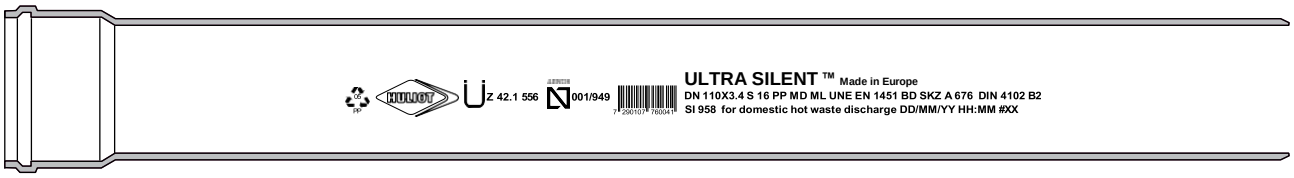


Povećana dubina naglavka
Ultra Stable Ultra Solid



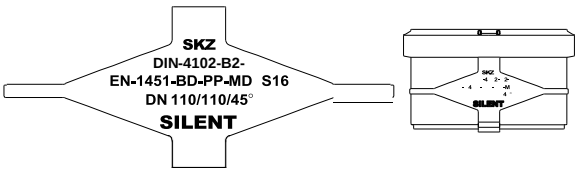
Označavanje

Označavanje cijevi



	Proizvod se može reciklirati
Huliot Logo	Logo proizvođača
Dibt Z-42.1-556	DIBT odobrenje
AENOR 001/949	AENOR certifikat proizvoda
Barcode	Barkod proizvoda
Ultra Silent™	Naziv sustava
DN 110X3.4	Promjer i debljina stijenke
PP-MD-ML	Materijal
S-16	Serija cijevi
UNE EN-1451	Norma za proizvodnju
BD	Područje primjene
SKZ A 676	Broj certifikata
DIN 4102 B2	Klasifikacija reakcije na požar
SI 958	SI norma
za kućnu odvodnju vruće otpadne vode	Primjena cijevi
DD/MM/YY	Datum proizvodnje
HH:MM #XX	Vrijeme i mjesto proizvodnje

Označavanje fazonskih komada



SKZ	Odobrenje
DIN 4102 B2	Klasifikacija reakcije na požar
EN 1451 BD PP-MD S16	Norma za proizvodnju i područje primjene, materijal, serija
DN 110/110/87.5°	Vrsta proizvoda, promjeri, kut
ULTRA SILENT	Naziv sustava

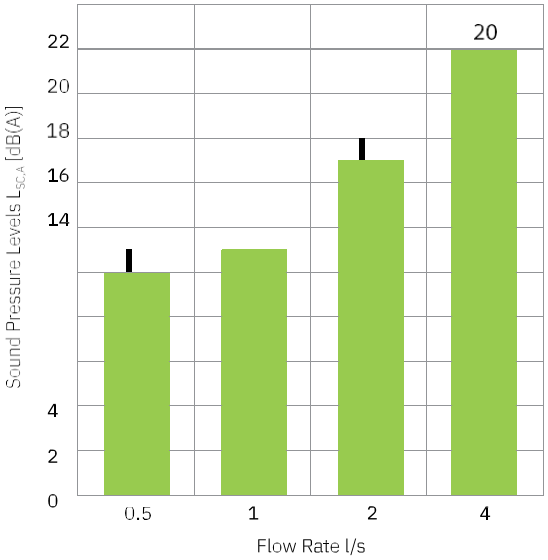
Tehnički podaci

Svojstvo	Vrijednost	Metoda ispitivanja
Naziv sustava	Ultra Silent™	
Primjena	Sustavi fekalne i otpadne odvodnje (niske i visoke temperature) unutar građevinske konstrukcije (područje „B”) te ukopani u tlo (područje „BD”); izvedba ventilacijskih sustava, oborinske odvodnje i odvodnje unutar građevinske konstrukcije (područje „B”).	
Materijal cijevi	Kopolimerni PP za vanjski (crni) i unutarnji (bijeli) sloj; smjesa PP i PP-MD za srednji sloj.	
Materijal fazonskih komada	PP-MD	
Spoj	Utični spoj na utiskivanje s elastomernim gumenim brtvama	
Materijal brtve	SBR-NR, NBR, EPDM	
Boja	Crna	
Promjer	Ø32-200 mm	
Serija cijevi	S-16	
Sadržaj halogena i kadmija	Bez halogena i kadmija	
Kemijska otpornost	pH 2 - pH 12 (u skladu s uputama proizvođača sirovine)	DIN 8078
Minimalna temperatura ugradnje	-25°C	
Maks. temperatura otpadne vode	+95°C dugotrajno +98°C kratkotrajno	
Otpornost na požar	D-s2, d2 B2	EN 13501-1 DIN 4102-1
UV otpornost	Prikladno za vanjsku ugradnju kada je zaštićeno od izravne sunčeve svjetlosti; može se skladištiti na otvorenom do dvije godine	
Akustička svojstva	Izvješće P-BA 20/2019e	EN 14366
Norme za proizvodnju	HR 3.43, UNE EN 1451-1, IS 958	
Licence/certifikati *	SII, SKZ, DIBT, AENOR, DTI, BMTPC	
Green Label*	70304, EPD	

* Ovisno o zemlji proizvodnje

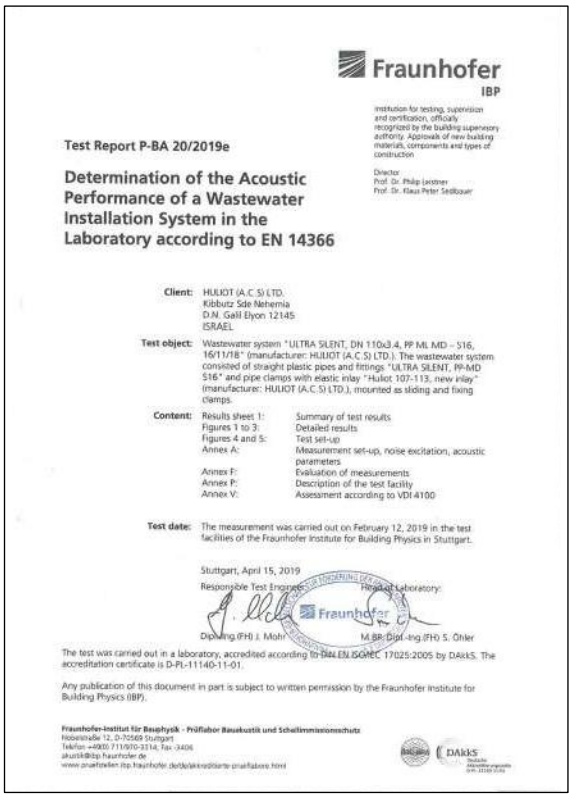
Akustička svojstva

Razine zvučnog tlaka Ultra Silent™ $L_{SC,A}$, prema EN 14366



Dijagram razine zvuka rezultat je Fraunhoferova ispitivanja P-BA 20/2019e prema EN 14366. Ispitivanje je provedeno s Huliot akustičnom obujmicom.

Ultra Silent™ - Fraunhoferovo izvješće o ispitivanju



Fraunhofer IBP

Institution for testing, supervision and certification, officially recognized by the building supervisory authority. Approvals of new building materials, components and types of construction

Director
Prof. Dr. Philip Leistner
Prof. Dr. Klaus-Peter Sedlbauer

Test Report P-BA 20/2019e

Determination of the Acoustic Performance of a Wastewater Installation System in the Laboratory according to EN 14366

Client: HULIOT (A.C.S) LTD.
Kibbutz Sde Nehemia
D.N. Galil Elyon 12145
ISRAEL

Test object: Wastewater system "ULTRA SILENT, DN 110x3.4, PP ML MD – S16, 16/11/18" (manufacturer: HULIOT (A.C.S) LTD.). The wastewater system consisted of straight plastic pipes and fittings "ULTRA SILENT, PP-MD S16" and pipe clamps with elastic inlay "Huliot 107-113, new inlay" (manufacturer: HULIOT (A.C.S) LTD.), mounted as sliding and fixing clamps.

Content:

Results sheet 1:	Summary of test results
Figures 1 to 3:	Detailed results
Figures 4 and 5:	Test set-up
Annex A:	Measurement set-up, noise excitation, acoustic parameters
Annex F:	Evaluation of measurements
Annex P:	Description of the test facility
Annex V:	Assessment according to VDI 4100

Test date: The measurement was carried out on February 12, 2019 in the test facilities of the Fraunhofer Institute for Building Physics in Stuttgart.

Stuttgart, April 15, 2019

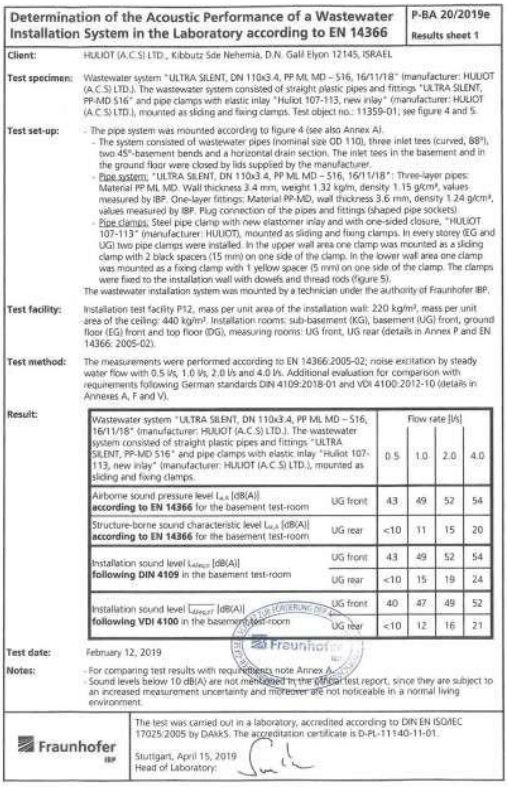
Responsible Test Engineer: Dipl.-Ing.(FH) J. Mohr

Head of Laboratory: M.Sc. Dipl.-Ing.(FH) S. Öhler

The test was carried out in a laboratory, accredited according to DIN EN ISO/IEC 17025:2005 by DAkkS. The accreditation certificate is D-PL-11140-11-01.

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Fraunhofer-Institut für Bauphysik · Prüflabor Bauakustik und Schallimmissionsschutz
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Telefon +49(0) 711/970-3314, Fax -3406
akustik@ibp.fraunhofer.de
www.prueflabor.ibp.fraunhofer.de/de/akkreditierte-prueflabore.html



Determination of the Acoustic Performance of a Wastewater Installation System in the Laboratory according to EN 14366 — **P-BA 20/2019e** — Results sheet 1

Client: HULIOT (A.C.S) LTD., Kibbutz Sde Nehemia, D.N. Galil Elyon 12145, ISRAEL

Test specimen: Wastewater system "ULTRA SILENT, DN 110x3.4, PP ML MD – S16, 16/11/18" (manufacturer: HULIOT (A.C.S) LTD.). The wastewater system consisted of straight plastic pipes and fittings "ULTRA SILENT, PP-MD S16" and pipe clamps with elastic inlay "Huliot 107-113, new inlay" (manufacturer: HULIOT (A.C.S) LTD.), mounted as sliding and fixing clamps. Test object no.: 11359-01; see figure 4 and 5.

Test set-up:
- The pipe system was mounted according to figure 4 (see also Annex A).
- The system consisted of wastewater pipes (nominal size OD 110), three inlet tees (curved, 88°), two 45°-basement bends and a horizontal drain section. The inlet tees in the basement and in the ground floor were closed by lids supplied by the manufacturer.
- Pipe system: "ULTRA SILENT, DN 110x3.4, PP ML MD – S16, 16/11/18": Three-layer pipes: Material PP ML MD. Wall thickness 3.4 mm, weight 1.32 kg/m, density 1.15 g/cm³, values measured by IBP. One-layer fittings: Material PP-MD, wall thickness 3.6 mm, density 1.24 g/cm³, values measured by IBP. Plug connection of the pipes and fittings (shaped pipe sockets).
- Pipe clamps: Steel pipe clamp with new elastomer inlay and with one-sided closure, "HULIOT 107-113" (manufacturer: HULIOT), mounted as sliding and fixing clamps. In every storey (EG and UG) two pipe clamps were installed. In the upper wall area one clamp was mounted as a sliding clamp with 2 black spacers (15 mm) on one side of the clamp. In the lower wall area one clamp was mounted as a fixing clamp with 1 yellow spacer (5 mm) on one side of the clamp. The clamps were fixed to the installation wall with dowels and thread rods (figure 5).

The wastewater installation system was mounted by a technician under the authority of Fraunhofer IBP.

Test facility: Installation test facility P12, mass per unit area of the installation wall: 220 kg/m², mass per unit area of the ceiling: 440 kg/m². Installation rooms: sub-basement (KG), basement (UG) front, ground floor (EG) front and top floor (DG), measuring rooms: UG front, UG rear (details in Annex P and EN 14366: 2005-02).

Test method: The measurements were performed according to EN 14366:2005-02; noise excitation by steady water flow with 0.5 l/s, 1.0 l/s, 2.0 l/s and 4.0 l/s. Additional evaluation for comparison with requirements following German standards DIN 4109:2018-01 and VDI 4100:2012-10 (details in Annexes A, F and V).

Result:

Wastewater system "ULTRA SILENT, DN 110x3.4, PP ML MD – S16, 16/11/18" (manufacturer: HULIOT (A.C.S) LTD.). The wastewater system consisted of straight plastic pipes and fittings "ULTRA SILENT, PP-MD S16" and pipe clamps with elastic inlay "Huliot 107-113, new inlay" (manufacturer: HULIOT (A.C.S) LTD.), mounted as sliding and fixing clamps.		Flow rate [l/s] 0.5	1.0	2.0	4.0
Airborne sound pressure level $L_{a,A}$ [dB(A)] **according to EN 14366** for the basement test-room	UG front	43	49	52	54
Structure-borne sound characteristic level $L_{n,A}$ [dB(A)] **according to EN 14366** for the basement test-room	UG rear	<10	11	15	20
Installation sound level L_{AFmax} [dB(A)] **following DIN 4109** in the basement test-room	UG front	43	49	52	54
	UG rear	<10	15	19	24
Installation sound level $L_{AFT,eff}$ [dB(A)] **following VDI 4100** in the basement test-room	UG front	40	47	49	52
	UG rear	<10	12	16	21

Test date: February 12, 2019

Notes:
- For comparing test results with requirements note Annex A.
- Sound levels below 10 dB(A) are not mentioned in the official test report, since they are subject to an increased measurement uncertainty and moreover are not noticeable in a normal living environment.

Fraunhofer IBP

The test was carried out in a laboratory, accredited according to DIN EN ISO/IEC 17025:2005 by DAkkS. The accreditation certificate is D-PL-11140-11-01.

Stuttgart, April 15, 2019
Head of Laboratory:

Odobrenja i certifikati proizvoda



ZERTIFIKAT

SKZ

SKZ - Testing GmbH awards the following company

HULIOT D.O.O.
Vrhniška cesta 30
1354 HORJUL
SLOVENIA

Production site: HULIOT D.O.O., SL-1354 HORJUL

the right to use the SKZ testing and inspection mark

A 676

for the following plastic products

Waste water pipes made of PP with mineral filling within the building structure, group 1 and 2

Trade name: ULTRA SILENT

SKZ specification for tests and inspection HR 3.43:2016-11

Users of the SKZ mark are obliged to observe the required regulations for the production and testing of these products

Date of initial certification: 28 April 2015

Date of expiry: 27 April 2025

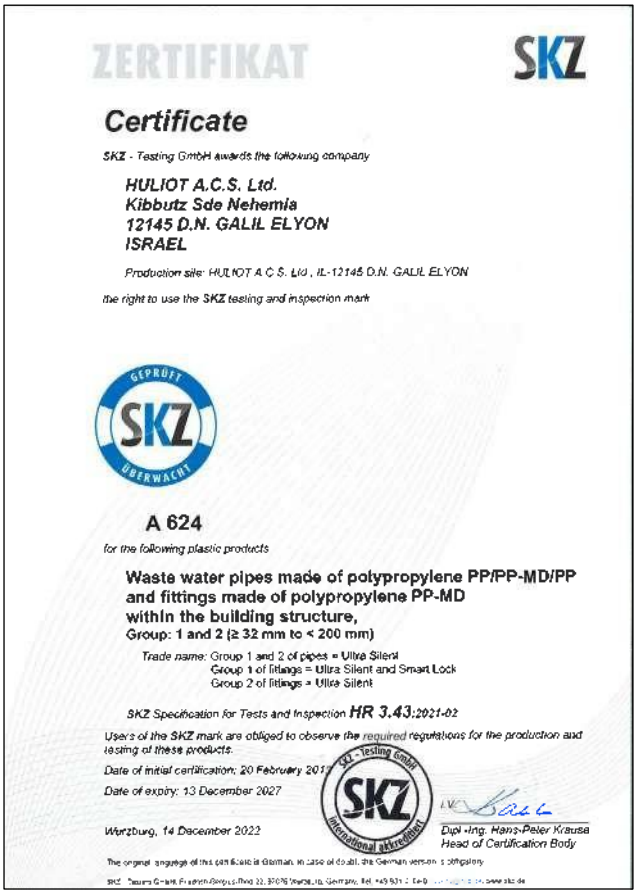
Würzburg, 28 April 2020

i.V.

Dipl.-Ing. Hans-Peter Krause
Head of Certification Body

The original language of this certificate is German. In case of doubt, the German version is obligatory.

SKZ - Testing GmbH, Friedrich-Bergius-Ring 22, 97076 Würzburg, Germany, Tel. +49 931 4104-0, testing@skz.de, www.skz.de



ZERTIFIKAT

SKZ

Certificate

SKZ - Testing GmbH awards the following company

HULIOT A.C.S. Ltd.
Kibbutz Sde Nehemia
12145 D.N. GALIL ELYON
ISRAEL

Production site: HULIOT A.C.S. Ltd., IL-12145 D.N. GALIL ELYON

the right to use the SKZ testing and inspection mark

A 624

for the following plastic products

Waste water pipes made of polypropylene PP/PP-MD/PP and fittings made of polypropylene PP-MD within the building structure,
Group: 1 and 2 (≥ 32 mm to < 200 mm)

Trade name: Group 1 and 2 of pipes = Ultra Silent
Group 1 of fittings = Ultra Silent and Smart Lock
Group 2 of fittings = Ultra Silent

SKZ Specification for Tests and Inspection HR 3.43:2021-02

Users of the SKZ mark are obliged to observe the required regulations for the production and testing of these products.

Date of initial certification: 20 February 2017

Date of expiry: 13 December 2027

Würzburg, 14 December 2022

i.V.

Dipl.-Ing. Hans-Peter Krause
Head of Certification Body

The original language of this certificate is German. In case of doubt, the German version is obligatory.

SKZ - Testing GmbH, Friedrich-Bergius-Ring 22, 97076 Würzburg, Germany, Tel. +49 931 4104-0, testing@skz.de, www.skz.de



Deutsches Institut für Bautechnik

DIBt

Eine vom Bund und den Ländern gemeinsam getragene Anstalt des öffentlichen Rechts

Zulassungs- und Genehmigungsstelle für Bauprodukte und Bauarten

Datum: 09.12.2022

Geschäftszeichen: III 53-1.42.1-71/22

Allgemeine bauaufsichtliche Zulassung

Zulassungsnummer:
Z-42.1-556

Geltungsdauer
vom: 9. Dezember 2022
bis: 9. Dezember 2027

Antragsteller:
Huliot A.C.S ltd.
K bbutz Sde Nehemia
1214500 UPPER GALILEE
ISRAEL

Zulassungsgegenstand:
Rohre und Formstücke aus PP MD für Abwasserleitungen innerhalb der Gebäudestruktur mit der Bezeichnung "Ultra Silent"

Der oben genannte Zulassungsgegenstand wird hiermit allgemein bauaufsichtlich zugelassen.
Dieser Bescheid umfasst acht Seiten und zwölf Anlagen.

DIBt

DIBt | Kolonnenstraße 30 B | D-10829 Berlin | Tel.: +49 30 78730-0 | Fax: +49 30 78730-320 | E-Mail: dibt@dibt.de | www.dibt.de

IBS INSTITUT FÜR BRANDSCHUTZTECHNIK UND SICHERHEITSFORSCHUNG GESELLSCHAFT M.B.H.

ZENTRALE: A-4040 LINZ, PETZOLDSTRASSE 45, POSTFACH 91, TELEFON (0732) 7617-0, FAX (0732) 7617-5814
ZWEIGSTELLE: A-1200 WIEN, KLOSTERNEUBURGER STRASSE 7/2/2/20, TELEFON (01) 7781-208-0, FAX (01) 7781-208-20
A-6844 ALTACH, GRAFENWEGSTRASSE 8, TELEFON (05523) 31004-0, FAX (05523) 31004-5
A-8200 GLEISDORF, AUGASSE 2-6, TELEFON (03112) 5886-0, FAX (03112) 5886-90
www.ibs-austria.at, office@ibs-austria.at, DVR 0656895, FN 89118a | BANKVERBINDUNG: UNIC BIC: ATSB 32000

Classification of Reaction to Fire Performance

Report on classification of the burning behaviour of the building product "Huliot Ultra Silent"

Report no.: 12112903A
Date: 27.05.2013
Official in charge: H. Aglassinger
PID: 818

Applicant/manufacturer: Huliot
Kibbutz Sde Nehemia
IL-12145 D.N Galil Elyon

Date of application: 01.02.2013

Specimen of classification: Plastic piping system "Huliot Ultra Silent"

Short evaluation: In accordance with EN 13501-1:2009 the above mentioned building product is ranked into the European Class **D – s2, d2** because of its fire behaviour. The classification of reaction to fire and the therefore valid practical range of application is obvious by the representational classification report.

This report contains: 5 text pages

The duplication of this classification report in extracts is only allowed with written authorization from IBS.

austrolab

Ugradnja sustava

HULIOT ULTRASILENT™

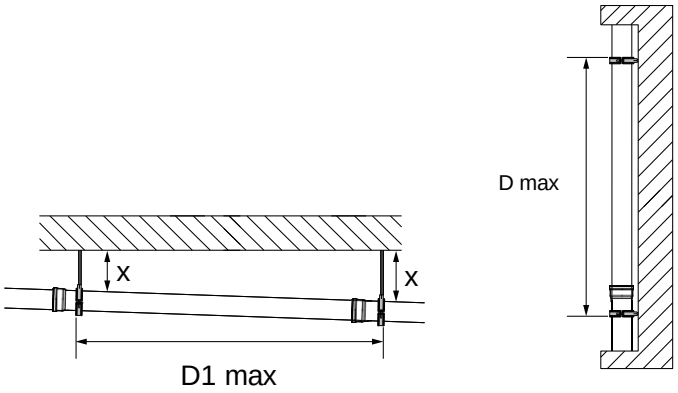
1.1 | Priprema i montaža cijevi

- Cijevi se proizvode u različitim duljinama s jednom ili dvjema utičnicama te s ravnim, tvornički zakošenim krajevima. Ako je potrebno rezanje na duljinu, upotrebljavajte samo odgovarajući alat za rezanje plastičnih cijevi (ručni ili mehanički) te zakošite odrezani kraj pod kutom približno 15°, s duljinom zakošenja oko 5 mm
- Prije ugradnje uklonite strugotine, opiljke i piljevinu
- Provjerite položaj i neoštećenost usne brtve u utoru utičnice. Očistite brtvu i utičnicu te nanesite tanak sloj maziva oko ravnog kraja cijevi
- Fazonske komade treba umetnuti do najveće dubine utičnice, dok cijevi nakon potpunog utiskivanja treba izvući natrag približno 10 mm
- Za pričvršćivanje sustava Ultra Silent™ na zidove i stropove upotrebljavajte čelične obujmice s gumenim umetcima odobrene za sustave zvučne izolacije
- Horizontalne cijevi ugrađuju se s padom od 1 do 5 %. Ako lokalni propisi ne zahtijevaju drukčije, pad od 2 % dobar je kompromis između protoka i potrebnog prostora za ugradnju
- U pravilu se ravne dionice cijevi pričvršćuju fiksnim obujmicama ispod svake utičnice, a ostatak cjevovoda i fazonski komadi podupiru kliznim obujmicama
- Najveći razmaci obujmica za horizontalnu i vertikalnu ugradnju prikazani su u tablici

Razmaci ovjesa

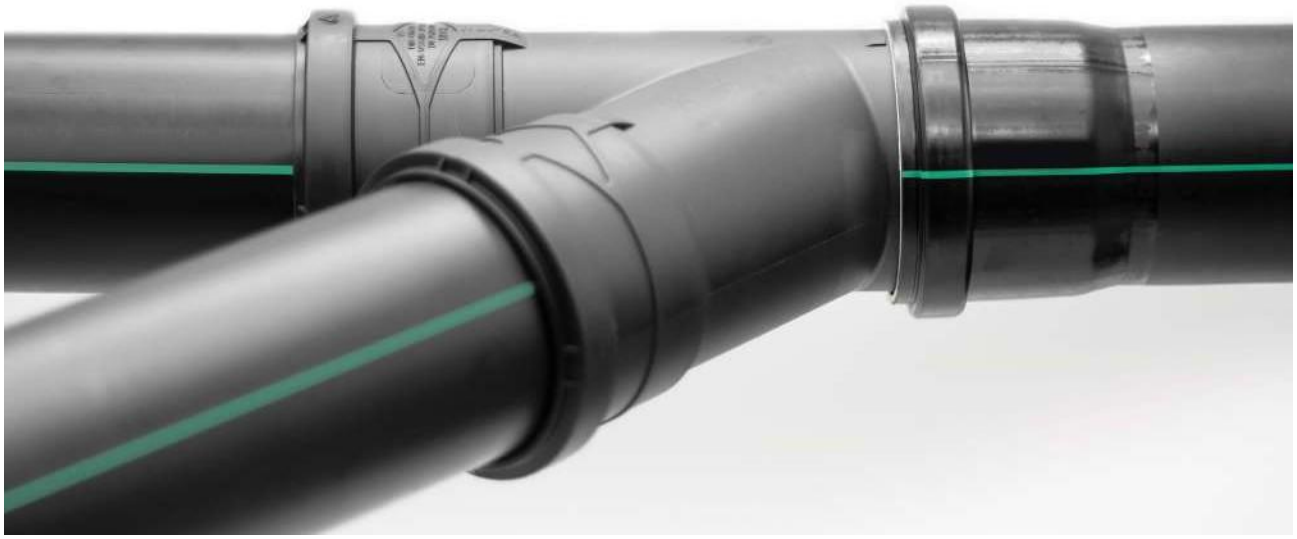
Pipe DN (Vanjski promjer)	Max. razmak između obujmica za horizontalnu ugradnju - D1 max	Max. razmak između obujmica za vertikalnu ugradnju - D max
Ø 50	0.80	1.50
Ø 75	1.10	2.00
Ø 90	1.40	2.00
Ø 110	1.65	2.00
Ø 125	1.85	2.00
Ø 160	2.40	2.00
Ø 200	2.40	2.00

Pipe DN (Vanjski promjer)	Udaljenost ovjesa od stropa (X)	Promjer stropne ovjesne šipke
110, 125, 160, 200	Do 0.7 metara	3/8"
	Preko 0.7 metara Do 2.5 metra	1/2"
	Preko 2.5 metra	3/4"

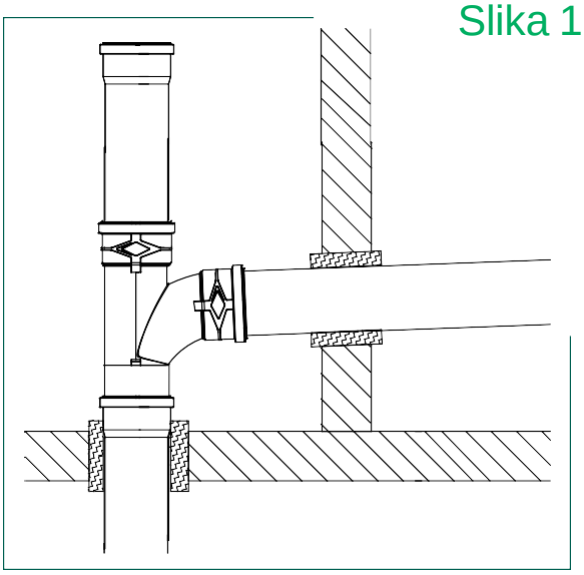


1.2 | Prolazi kroz stropove, podove i zidove

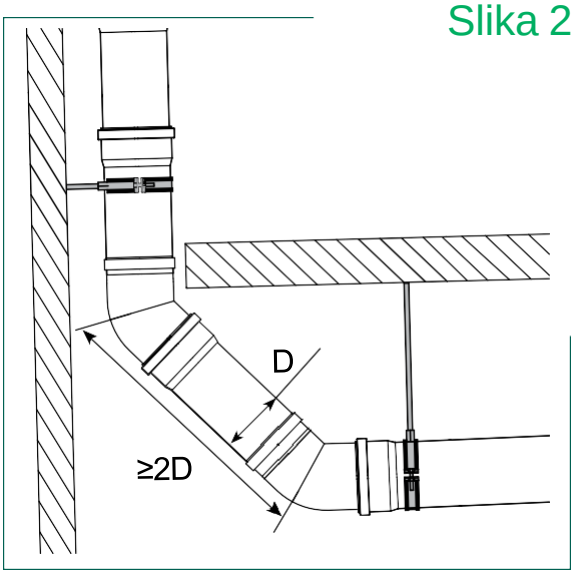
- U akustički izoliranim sustavima važno je izbjeći dodir elemenata sustava s krutim elementima kao što su zidovi, stropovi i podovi, kako bi se spriječio prijenos strukturne buke.
- Kod prolaza cijevi kroz zidove i stropove treba održavati razmak od najmanje 30 mm između cijevi i bilo kojeg krutog materijala.
- Ako se prostori oko cijevi koje prolaze kroz zidove i podove moraju ispuniti, upotrebljavajte samo mekane građevinske materijale poput pjene ili staklenih vlakana (slika 1).
- Kod prolaza kroz podove gdje je potrebna zaštita od vlage preporučuje se Huliot Ultra Seal (opis na sljedećim stranicama).
- Radi boljeg hidrauličkog protoka i manje buke, koljena od 87° ne preporučuju se za promjenu smjera protoka iz vertikalnog u horizontalni. Poželjno je upotrijebiti dva koljena od 45°, uz spojnu cijev minimalne duljine 2D između njih (slika 2).
- Pri ugradnji u otvorenim prostorima (podrumi, garaže itd.), iznad spuštenih stropova ili iza obloga, spriječite dodir drugih materijala i instalacija s cijevima (slika 3).



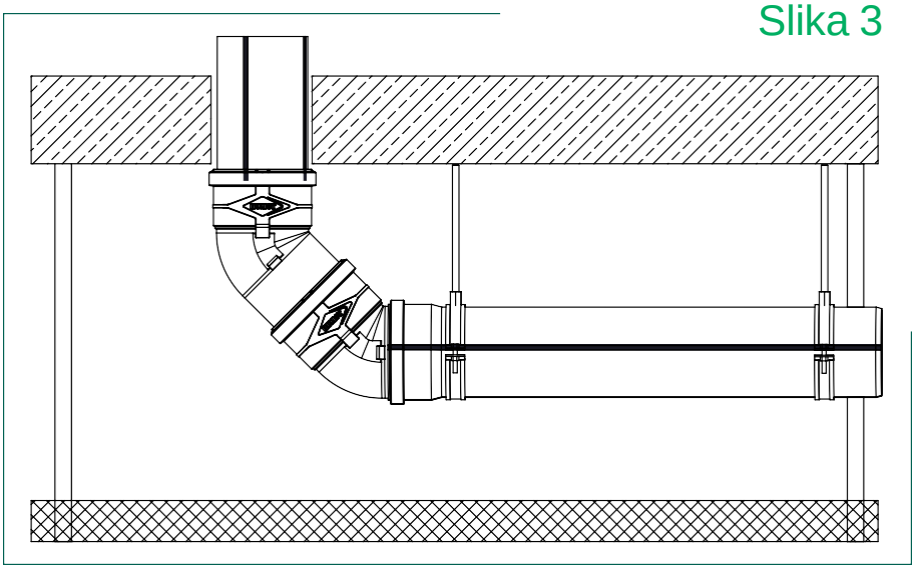
Slika 1



Slika 2



Slika 3



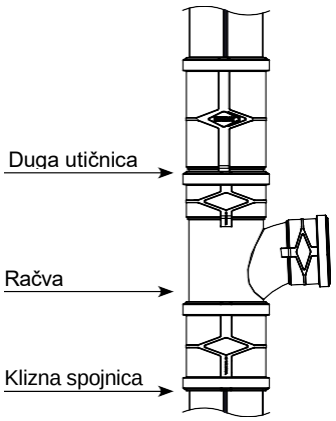


1.3 | Popravci i ugradnja

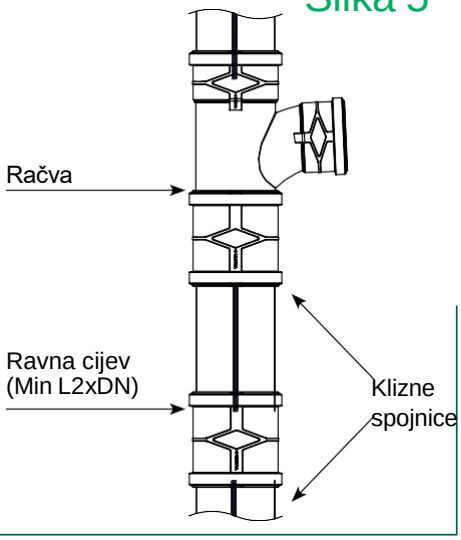
- Za dodavanje račve (USEA) na postojeću cijev pomoću duge utičnice (USTL) i klizne spojnice (USU), umetnite ravni kraj duge utičnice u utičnicu račve i iz postojeće cijevi izrežite dio jednak duljini utičnice. Dugu utičnicu umetnite do kraja u gornju cijev. Kliznu spojnicu postavite na donju cijev te spustite račvu i dugu utičnicu u spojnicu (slika 4). Alternativno se mogu upotrijebiti dvije klizne spojnice i ravna cijev; minimalna duljina ravne cijevi mora biti veća od dvostrukog vanjskog promjera DN (slika 5).

- Za popravak probušene ili oštećene cijevi mogu se primijeniti iste metode s cijevi s jednom utičnicom (USEM) umjesto račve, kao i za dodavanje revizijske cijevi (USRE) ili dvostruke račve (USDA).

Slika 4

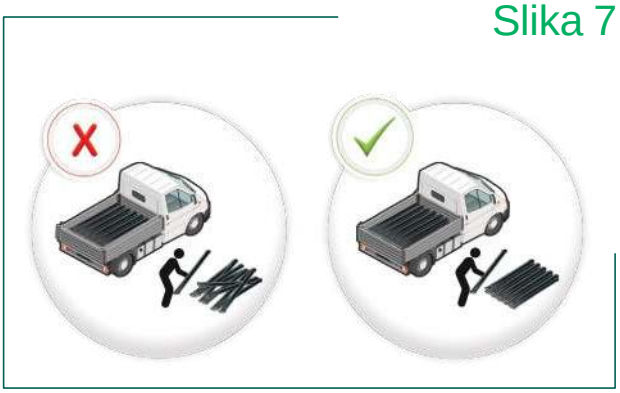


Slika 5

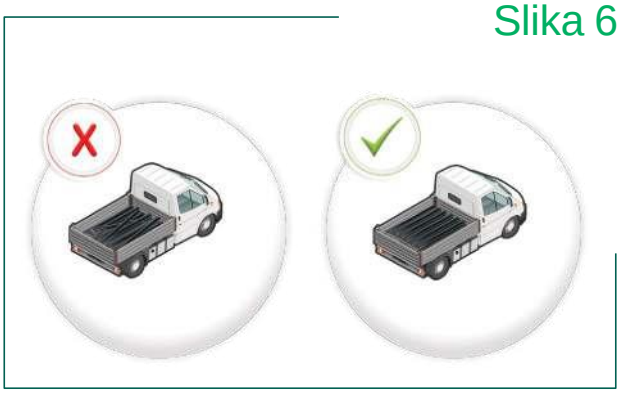


Transport, rukovanje i skladištenje

Slika 7



Slika 6



Preporučuje se rukovati cijevima i fazonskim komadima u izvornom prodajnom pakiranju kako bi se zaštitili i spriječila oštećenja tijekom utovara i prijevoza.

Cijevi utovarujte i prevozite u ravnom, vodoravnom položaju, poduprte cijelom duljinom (utičnice moraju ostati slobodne sa svih strana). Izbjegavajte prekomjerni pritisak remenja ili drugih teških materijala na cijevi.

Cijevi pažljivo istovarujte i njima rukujte te ih položite ravno i vodoravno, vodeći računa o položaju utičnica, na glatku površinu (slike 6 i 7).

Neke dimenzije cijevi i svi fazonski komadi pakirani su u kartonske kutije. Zaštitite ih od kiše i vlage te skladištite na suhom. Preporučuje se skladištenje u izvornom prodajnom pakiranju.

Ultra Silent™ cijevi imaju UV zaštitu i mogu se skladištiti na otvorenom do 2 godine, ovisno o geografskom položaju. Materijal brtvi podnosi vanjsko skladištenje do 2 godine; nakon toga brtve treba zamijeniti prije ugradnje. Pri uporabi viličara, dizalica i drugih strojeva potreban je poseban oprez kako bi se spriječila oštećenja proizvoda.

Optički nedostaci (vanjske ogrebotine, promjene pigmenta i sl.) ne utječu na kvalitetu i/ili funkcionalnost sustava.



ACOUSTI CCLAMP™

Huliot akustična obujmica za pravilnu ugradnju sustava Ultra Silent™

- Profilirana guma sa šupljim presjecima za maksimalno prianjanje cijevi i minimalan prijenos vibracija na građevinske elemente
- Jednostavno pričvršćivanje obujmice jednim vijkom samo s jedne strane
- EPDM gumeno tijelo sa zračnim kanalima za sprječavanje vibracija
- Tvrdoća gume: 25 ± 5 shore

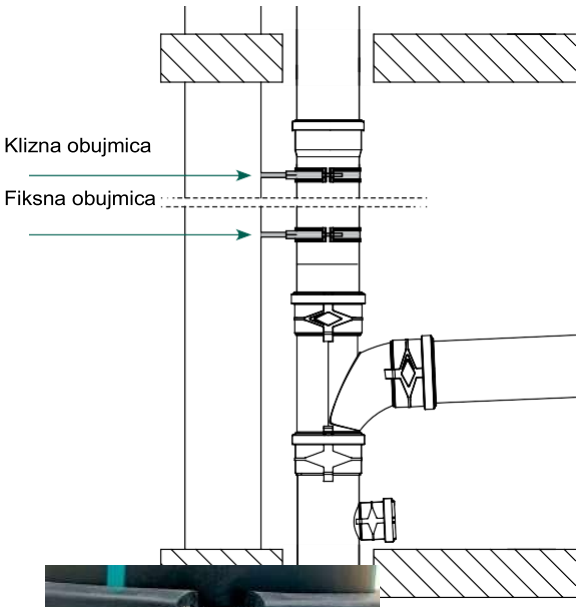
Upute za montažu Acoustic Clamp™

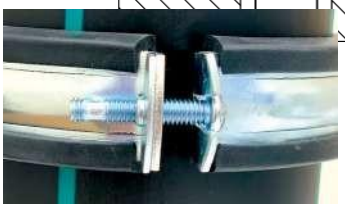
- Upotrebljavajte samo Huliot akustične obujmice ili jednakovrijedne proizvode
- Preporučuje se ugradnja obujmica samo na vanjske zidove; ugradnja na unutarnje zidove nepovoljno utječe na akustička svojstva
- Preporučuje se postavljanje obujmica oko glave spoja radi boljeg prianjanja

Za vertikalnu montažu na zid potrebno je na svakoj etaži postaviti dvije Huliot Ultra Silent™ obujmice.

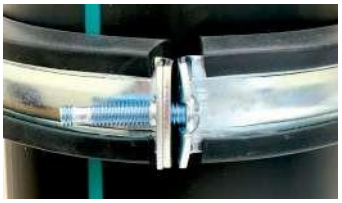
Fiksna obujmica postavlja se u donjoj trećini visine etaže, neposredno ispod utičnice cijevi ili fazonskog komada, i potpuno se zateže.

Klizna obujmica postavlja se u gornjoj trećini visine etaže i treba samo lagano pritisnuti cijev uz gumu, bez potpunog zatezanja, radi smanjenja prijenosa vibracija na konstrukciju.





Razina zatezanja gornje klizne obujmice



Razina zatezanja donje fiksne obujmice

PRESSURECLAMP™

Pressure Clamp™ spojnica za pravilnu ugradnju ULTRA SILENT™



Pressure Clamp™ primjene

- Stropovi parkirališta
- Izložene cijevi oborinske odvodnje
- Slijepi vodovi kanalizacijske odvodnje
- Otpornost na tlak do 4 bar
- Sprječavanje izvlačenja

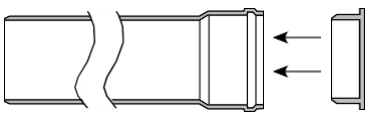
ENDLOCK™

Tlačni završni čep za brtvljenje kraja cjevovoda



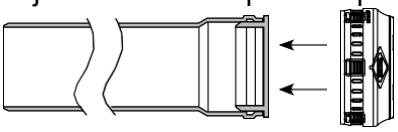
End Lock™ Upute za montažu

- Spojite završni čep na otvor cijevi ili fazonskog komada koji treba zatvoriti
- Provjerite postoji li brtva na cijevi ili fazonskom komadu na koji se čep spaja

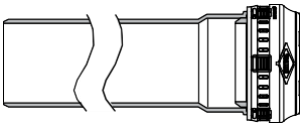


- Spojite End Lock™ na završni čep cijevi ili fazonskog komada

- Provjerite jesu li kopče na mjestu i je li End Lock™ pravilno poravnate



- Zategnite metalnu traku



LOCKSEAL™

Lock Seal™, za jednostavnu i brzu ugradnju



Lock Seal™ Primjene

Primjena pri ugradnji cijevi Lock Seal™ u beton:

- Štiti utične spojeve od vibracija nastalih tijekom betoniranja
- sprječava prodor cementnog mlijeka do brtve i narušavanje pravilnog brtvljenja

Lock Seal™ prednosti

- Jednostavna i brza montaža
- Povećana sigurnost
- Ugradnja bez alata

Lock Seal™ Upute za montažu

Lock Seal™ namijenjen je uporabi s PP cijevima otpornima na hidrostatski tlak i odgovarajuće prstenaste čvrstoće za ugradnju u beton.



1

Postavite uži dio Lock Seal™ utičnice na kraj cijevi ili utičnice



2

Umetnite ravni kraj fazonskog komada ili cijevi u utičnicu uobičajenim postupkom spajanja na utiskivanje



3

Pomaknite Lock Seal™ prema dolje dok se pravilno ne poravna i kopče ne sjednu u utičnicu





Za lakšu montažu preporučuje se Huliot mazivo za cijevi



Za demontažu otvorite kopče i skinite Lock Seal™

ULTRASEAL™



Ultra Seal™ sustav

- Idealno rješenje za sprječavanje strukturne buke koja nastaje između cijevi otpadne vode i čvrste građevinske konstrukcije
- Sprječava prijenos vlage između etaža na otvoru kroz koji prolazi cijev.
- Sadrži tanku, vrlo fleksibilnu, vodonepropusnu geotekstilnu membranu za izvrsno prianjanje na brtvila i bitumenski cement.

Ultra Seal™ prednosti

- snažna elastična brtva
- brza i jednostavna montaža
- nisu potrebni posebni alati ni oprema
- elastično, fleksibilno i trajno
- geotekstilna membrana zadovoljava europske norme za mokre prostorije

Ultra Seal™ Upute za montažu



1

Postaviti na cijev i smjestiti u otvor za prolaz cijevi





2

Početni izolacijski sloj (primer)



3

Drugi izolacijski sloj



4

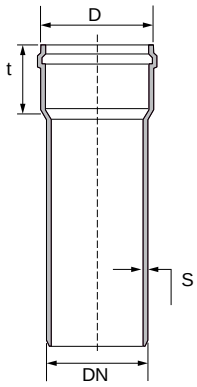
Završni izolacijski sloj



5

Sloj ispune i obloge

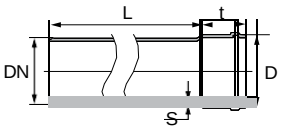
Cijevi



DN	D	S	t	S razred
32	45	1.8	42	S16
40	55	1.8	44	S16
50	65	1.8	46	S16
75	90	2.3	49	S16
90	107	2.8	54	S16
110	130	3.4	65	S16
125	149	3.9	72	S16
160	186	4.9	75	S16
200	228	6.2	108	S16

USEM Cijev s jednom utičnicom

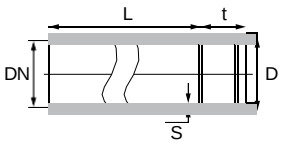




Šifra	DN	L	D	S	t		
5753200015	32	150	45	1.8	42	20	1440
5753200025	32	250	45	1.8	42	20	960
5753200050	32	500	45	1.8	42	20	480
5753200100	32	1000	45	1.8	42	15	300
5753200150	32	1500	45	1.8	42	15	300
5753200200	32	2000	45	1.8	42	15	300
5753200300	32	3000	45	1.8	42	15	300
5754000015	40	150	55	1.8	44	20	1440
5754000025	40	250	55	1.8	44	20	960
5754000050	40	500	55	1.8	44	20	480
5754000100	40	1000	55	1.8	44	15	420
5754000150	40	1500	55	1.8	44	15	420
5754000200	40	2000	55	1.8	44	15	420
5754000300	40	3000	55	1.8	44	15	420
5755000015	50	150	65	1.8	46	20	960
5755000025	50	250	65	1.8	46	20	540
5755000050	50	500	65	1.8	46	20	400
5755000100	50	1000	65	1.8	46	15	270
5755000150	50	1500	65	1.8	46	15	270
5755000200	50	2000	65	1.8	46	15	270
5755000300	50	3000	65	1.8	46	15	270

USEM Cijev s jednom utičnicom

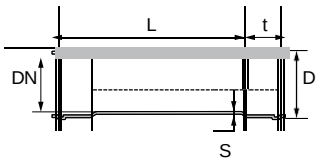




Šifra	DN	L	D	S	t		
5757500015	75	150	90	2.3	49	20	360
5757500025	75	250	90	2.3	49	20	240
5757500050	75	500	90	2.3	49	20	160
5757500100	75	1000	90	2.3	49	10	120
5757500150	75	1500	90	2.3	49	10	120
5757500200	75	2000	90	2.3	49	10	120
5757500300	75	3000	90	2.3	49	10	120
5759000015	90	150	107	2.8	54	20	240
5759000025	90	250	107	2.8	54	20	160
5759000050	90	500	107	2.8	54	10	120
5759000100	90	1000	107	2.8	54	10	100
5759000150	90	1500	107	2.8	54	10	100
5759000200	90	2000	107	2.8	54	10	100
5759000300	90	3000	107	2.8	54	10	100
5751100015	110	150	130	3.4	65	20	180
5751100025	110	250	130	3.4	65	20	180
5751100050	110	500	130	3.4	65	10	80
5751100100	110	1000	130	3.4	65	10	80
5751100150	110	1500	130	3.4	65	10	80
5751100200	110	2000	130	3.4	65	10	80
5751100300	110	3000	130	3.4	65	10	80
5751200015	125	150	149	3.9	72	10	120
5751200025	125	250	149	3.9	72	6	108
5751200050	125	500	149	3.9	72	6	72
5751200100	125	1000	149	3.9	72	8	80
5751200150	125	1500	149	3.9	72	8	80
5751200200	125	2000	149	3.9	72	8	80
5751200300	125	3000	149	3.9	72	8	80
5751600015	160	150	186	4.9	75	8	96
5751600025	160	250	186	4.9	75	8	48
5751600050	160	500	186	4.9	75	8	32
5751600100	160	1000	186	4.9	75	6	24
5751600150	160	1500	186	4.9	75	6	24
5751600200	160	2000	186	4.9	75	6	24
5751600300	160	3000	186	4.9	75	6	24
5752000100	200	1000	228	6.2	108	1	16
5752000300	200	3000	228	6.2	108	1	15

USDM Cijev s dvjema utičnicama

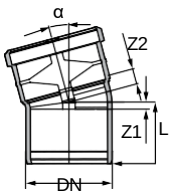




Šifra	DN	L	D	S	t		
5753232050	32	500	45	1.8	42	20	240
5753232100	32	1000	45	1.8	42	15	300
5753232150	32	1500	45	1.8	42	15	300
5753232200	32	2000	45	1.8	42	15	300
5753232300	32	3000	45	1.8	42	15	300
5754040050	40	500	55	1.8	44	20	240
5754040100	40	1000	55	1.8	44	15	420
5754040150	40	1500	55	1.8	44	15	420
5754040200	40	2000	55	1.8	44	15	420
5754040300	40	3000	55	1.8	44	15	420
5755050050	50	500	65	1.8	46	20	240
5755050100	50	1000	65	1.8	46	15	270
5755050150	50	1500	65	1.8	46	15	270
5755050200	50	2000	65	1.8	46	15	270
5755050300	50	3000	65	1.8	46	15	270
5757575050	75	500	90	2.2	49	20	120
5757575100	75	1000	90	2.2	49	10	120
5757575150	75	1500	90	2.2	49	10	120
5757575200	75	2000	90	2.2	49	10	120
5757575300	75	3000	90	2.2	49	10	120
5759090050	90	500	107	2.8	54	10	90
5759090100	90	1000	107	2.8	54	10	100
5759090150	90	1500	107	2.8	54	10	100
5759090200	90	2000	107	2.8	54	10	100
5759090300	90	3000	107	2.8	54	10	100
5751111050	110	500	130	3.4	65	10	60
5751111100	110	1000	130	3.4	65	10	80
5751111150	110	1500	130	3.4	65	10	80
5751111200	110	2000	130	3.4	65	10	80
5751111300	110	3000	130	3.4	65	10	80
5751212050	125	500	149	3.9	72	6	54
5751212100	125	1000	149	3.9	72	8	80
5751212150	125	1500	149	3.9	72	8	80
5751212200	125	2000	149	3.9	72	8	80
5751212300	125	3000	149	3.9	72	8	80

USB Koljeno 15°

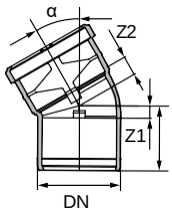




Šifra	DN	L	Z1	Z2		
7070000170	32	44.5	4	9.0	50	3000
7070010170	40	51.5	4	10.0	40	2400
7070020170	50	56.5	5	11.0	40	1200
7070030170	75	63.5	7	14.0	20	600
7070090170	90	68.0	8	16.0	20	480
7070040170	110	78.0	6	19.0	20	240
7070050170	125	87.0	12	21.9	10	160
7070060170	160	99.0	8	22.0	5	80

USB Koljeno 30°

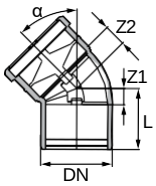




Šifra	DN	L	Z1	Z2		
7070000370	32	47.5	5	10.0	50	3000
7070010370	40	54.5	7	13.0	40	2400
7070020370	50	59.5	8	14.0	40	1200
7070030370	75	68.5	12	18.0	20	600
7070090370	90	74.0	14	20.5	20	320
7070040370	110	85.0	16	25.5	20	240
7070050370	125	104.0	29	30.0	10	160
7070060370	160	105.0	27	29.0	5	80

USB Koljeno 45°

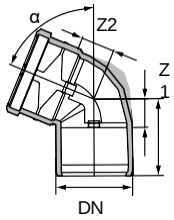




Šifra	DN	L	Z1	Z2		
7070000470	32	53.0	8	13.0	40	2400
7070010470	40	58.5	11	17.0	40	2400
7070020470	50	64.0	13	19.0	40	1200
7070030470	75	74.5	18	24.0	20	600
7070090470	90	81.0	21	27.5	20	320
7070040470	110	94.0	25	33.5	20	240
7070050470	125	104.0	29	38.0	10	120
7070060470	160	116.0	36	44.0	5	60
7070080470	200	148.0	49	63.0	3	36

USB Koljeno 67.5°

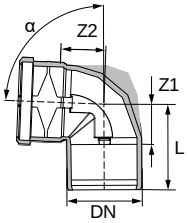




Šifra	DN	L	Z1	Z2		
7070000670	32	58.0	13	18	40	2400
7070010670	40	65.5	18	24	40	1600
7070020670	50	72.5	21	27	40	1200
7070030670	75	85.5	29	35	20	480
7070090670	90	94.0	34	40	20	320
7070040670	110	110.0	44	48	20	240

USB Koljeno 87.5°



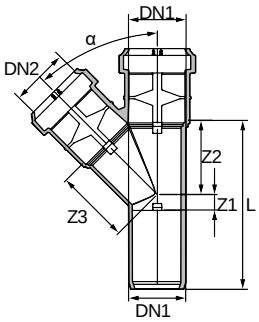


Šifra	DN	L	Z1	Z2		
7070000870	32	64.0	20.0	24	40	2400
7070010870	40	73.5	26.0	32	40	1600
7070020870	50	79.5	28.5	35	35	1050
7070030870	75	99.5	43.0	49	20	480
7070090870	90	110.0	50.0	56	20	320
7070040870	110	129.0	60.0	66	20	240
7070050870	125	142.0	67.0	73	10	120
7070060870	160	162.0	79.5	81	5	60



USEA Račva 45°

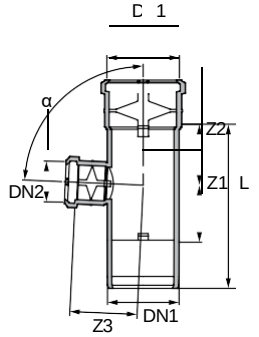




Šifra	DN1	DN2	Z1	Z2	Z3	L		
7070600470	32	32	9.0	42.0	42.0	95.0	30	1800
7070611470	40	40	11.0	52.0	52.0	111.0	20	800
7070621470	50	40	13.0	64.0	57.0	129.0	20	600
7070622470	50	50	13.0	64.0	64.0	129.0	20	600
7070632470	75	50	18.0	95.0	100.0	170.0	20	320
7070633470	75	75	18.0	95.0	95.0	170.0	20	320
7070691470	90	40	32.5	112.5	92.0	205.0	10	180
7070692470	90	50	32.5	112.5	89.0	205.0	10	180
7070699470	90	90	33.0	113.0	112.5	206.0	10	120
7070641470	110	40	17.0	112.0	96.5	148.5	10	160
7070642470	110	50	17.0	108.0	96.5	148.5	10	160
7070643470	110	75	2.0	121.0	113.5	184.5	10	120
7070649470	110	90	25.0	137.0	143.0	231.0	10	120
7070644470	110	110	25.0	137.0	137.0	231.0	8	96
7070654470	125	110	18.0	145.0	149.0	238.0	8	96
7070655470	125	125	31.0	152.0	152.0	258.0	6	72
7070664470	160	110	39.0	159.0	169.0	284.0	5	60
7070666470	160	160	39.0	194.0	194.0	319.0	3	36
7070686470	200	160	19.0	213.0	224.0	343.0	2	16
7070688470	200	200	25.0	219.0	226.0	399.0	4	16

USEA Račva 87.5°

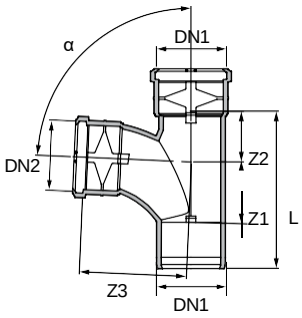




Šifra	DN1	DN2	Z1	Z2	Z3	L		
7070600870	32	32	9.0	42	40.0	94.0	20	1600
7070611870	40	40	13.0	64	64.0	64.5	20	1200
7070621870	50	40	32.3	31	62.0	112.5	20	600
7070622870	50	50	31.0	30	62.0	112.5	20	600
7070632870	75	50	58.0	55	60.0	170.0	20	320
7070633870	75	75	58.0	55	55.0	114.5	20	320
7070692870	90	50	69.0	76	83.0	205.0	10	180
7070642870	110	50	32.0	65	36.5	137.5	10	160
7070655870	125	125	78.0	73	72.0	225.0	6	72
7070666870	160	160	97.0	87	144.0	276.0	4	48

USEA Hidraulički oblikovana račva 87.5°

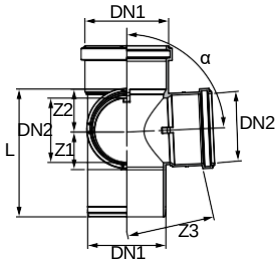




Šifra	DN1	DN2	Z1	Z2	Z3	L		
7070799870	90	90	79	66	97	205	10	120
7070743870	110	75	82	60	97	211	10	120
7070749870	110	90	82	60	97	211	10	120
7070744870	110	110	82	60	97	211	10	120
7070754870	125	110	100	65	117	240	6	72
7070764870	160	110	96	84	117	266	4	48

USED Kutna račva 87.5°

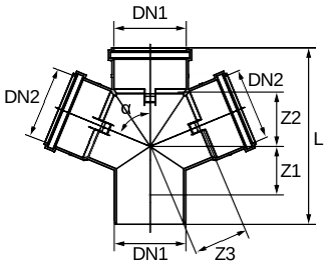




Šifra	DN1	DN2	Z1	Z2	Z3	L		
7071244870	110	110	82	56	151	207	6	72
7071254870	125	110	58	75	140	207	5	60

USDA Dvostruka račva 67.5°

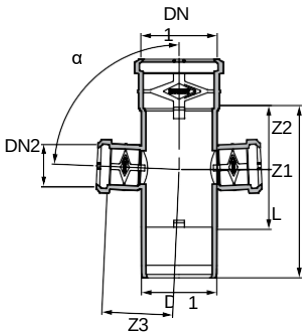




Šifra	DN1	DN2	Z1	Z2	Z3	L		
7071042670	110	50	17	54	73	207	9	144
7071044670	110	110	51	85	85	272	6	72

Dvostruka račva 87.5° USDA

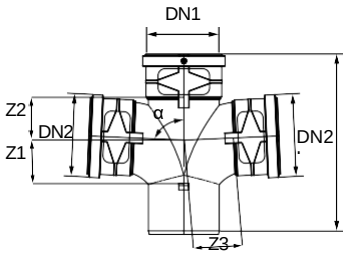




Šifra	DN1	DN2	L	Z1	Z2	Z3	
7071032870	75	50	170	58	55	60	12
7071042870	110	50	230	77	82	100	9
7071047870	110	63	180	55	60	115	8
7071052870	125	50	207	56	75	140	7
7071057870	125	63	207	56	75	124	7
7071054870	125	110	207	58	75	140	5
7071062870	160	50	240	75	80	140	5
7071067870	160	63	240	75	80	140	5
7071064870	160	110	240	75	80	160	3

USDA Dvostruka račva 87.5°

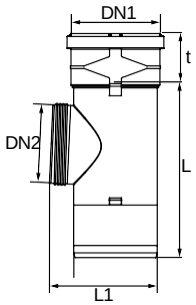




Šifra	DN1	DN2	Z1	Z2	Z3	L		
7071044870	110	110	82	56	151	207	6	72

USRE Revizijska cijev

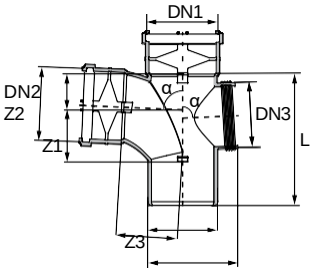




Šifra	DN1	DN2	t	L	L1		
7079120070	50	45.0	55	140	65.0	20	800
7079130070	75	45.0	71	140	98.0	25	400
7079190070	90	77.4	58	200	129.0	10	180
7079140070	110	97.0	64	231	140.0	10	120
7079150070	125	97.0	73	222	164.8	8	96
7079160070	160	97.0	85	236	198.4	6	72
7079180070	200	97.0	93	343	231.0	2	24

USEA Hidraulički oblikovana račva 87.5° s revizijom



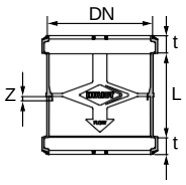


DN
1
L1

Šifra	DN1	DN2	DN3	L	L1	Z1	Z2	Z3		
7070744877	110	110	97	211	142	82	60	97	7	84

USMM Klizna spojnica

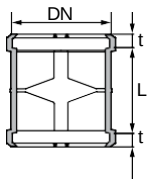




Šifra	DN	t	L	Z		
7071700270	32	14.3	56.6	2.0	50	4000
7071710270	40	14.0	60.0	2.0	40	2400
7071720275	50	16.0	64.0	4.0	20	1200
7071730275	75	16.4	73.0	6.0	20	800
7071790270	90	14.0	85.0	1.4	20	480
7071740275	110	17.0	97.0	9.0	20	320
7071750275	125	17.0	118.6	10.4	10	160
7071760275	160	23.0	119.0	10.6	12	144
7071780275	200	28.5	135.0	12.0	2	48

USU Klizna spojnica

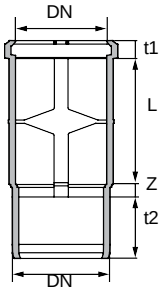




Šifra	DN	t	L		
7071700070	32	14.3	56.6	50	4000
7071710070	40	14.0	60.0	30	1800
7071720070	50	14.0	68.0	20	1200
7071730070	75	14.0	77.0	20	800
7071790070	90	14.0	85.0	20	480
7071740070	110	17.0	97.0	20	320
7071750070	125	16.8	118.6	10	160
7071760070	160	17.0	131.0	12	144
7071780070	200	28.3	192.2	2	48

USLL Duga utičnica

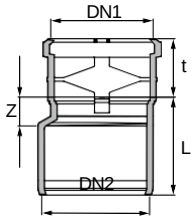




Šifra	DN	t1	t2	L	Z		
7072210070	40	14.1	47.55	81.26	4.74	30	1800
7072220070	50	14.1	51.55	101.00	6.74	20	800
7072230070	75	14.1	56.58	114.97	9.45	20	360
7072290070	90	14.1	60.00	133.90	13.10	20	320
7072240070	110	16.6	69.41	144.46	14.12	15	180
7072250070	125	19.1	75.00	188.94	15.63	12	144
7072260070	160	23.1	86.00	204.81	20.60	6	72

USR Redukcija

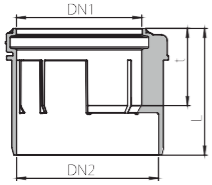




Šifra	DN1	DN2	L	t	Z		
7072110070	32	40	48.0	42.0	14	30	1800
7072120070	32	50	65.0	42.0	15	30	1800
7072121070	40	50	64.0	42.0	15	30	1800
7072191070	40	90	93.0	47.0	35	20	600
7072141070	40	110	122.5	43.0	51	20	480
7072132070	50	75	85.0	47.0	26	20	1200
7072192070	50	90	97.0	47.0	34	20	800
7072142070	50	110	118.0	47.0	46	20	480
7072193070	75	90	86.0	51.5	24	20	600
7072143070	75	110	106.0	52.0	34	20	360
7072149070	90	110	101.0	55.0	29	20	360
7072154070	110	125	106.0	64.0	29	10	240
7072164070	110	160	137.0	64.0	84	10	120
7072165070	125	160	140.0	55.0	74	16	192
7072186070	160	200	153.0	80.0	54	6	96

USR Kratka redukcija

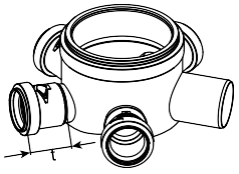


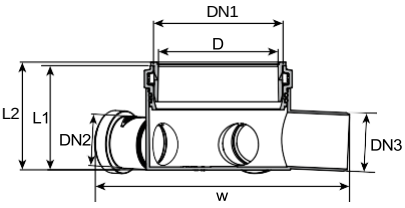


Šifra	DN1	DN2	L	t		
7072349070	90	11	92	55	20	48

SIFON/SABIRNIK 90/40/50



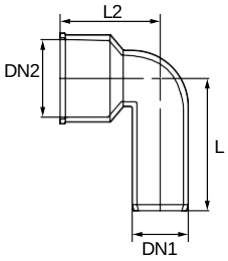




Šifra	D	DN1	DN2	DN3	L1	L2	W	t		
7157114075	103	110	40	50	90	93	218	42	16	192

USSW tehničko koljeno / priključak sifona

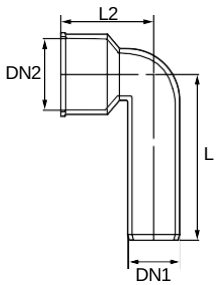




Šifra	DN1	DN2	L1	L2			
7074010970	32	46	76	58		40	2400
7074021970	40	50	82	56		20	1200
7074011970	40	46	76	56		20	1200
7074022970	50	50	82	60		20	1200

USSWL dugo tehničko koljeno / priključak sifona

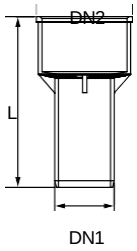




Šifra	DN1	DN2	L1	L2			
7074021971	40	50	140	56		20	1200
7074011971	40	46	140	57		20	1200

USS ravni fazonski komad / priključak sifona





Šifra	DN1	DN2	L		
7141760070	32	46	93	40	2400
7141761070	40	46	93	40	2400
7141721070	40	50	93	40	2400

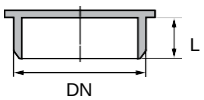
Gumena brtva za US, USSW, USSWL



Šifra	DN	DN2		
T047T000000000	26/32	46	500	-
T046T000000000	40	46	1000	-
T050T000000032	26/32	50	500	-
T050T000000040	40	50	500	-

USM Završni čep

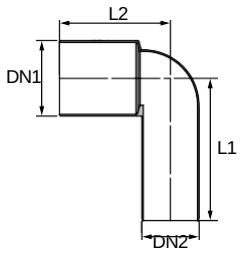




Šifra	DN	L		
7071610070	40	44	80	4800
7071620070	50	46	70	4200
7071630070	75	44	30	1800
7071690070	90	59	20	1200
7071640070	110	49	20	800
7071650070	125	75	20	480
7071660070	160	83	20	240
7071680070	200	65	10	180

USSBL dugo WC koljeno

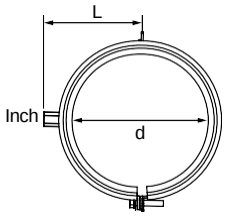




Šifra	DN1	DN2	L1	L2		
7195000070	119.6	90	175	225	10	120
7155000070	119.6	110	185	226	10	120

Akustična obujmica

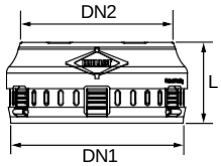




Šifra	DN	d	Inch	L		
7890011071	110	107-113	3/8 * 1/2	72	40	1440
7890012571	125	122-129	3/8 * 1/2	80	40	1440
7890016071	160	157-164	3/8 * 1/2	97	20	720

Lock Seal™

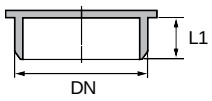


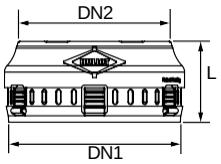


Šifra	DN	DN1	DN2	L		
7072330000	75	91.5	79.8	59.0	48	1152
7072340000	110	130.0	112.0	63.0	30	480
7072350000	125	149.0	126.6	94.0	18	288
7072360000	160	186.5	162.0	99.7	10	240
7072380000	200	233.5	210.0	114.0	5	90

End Lock™



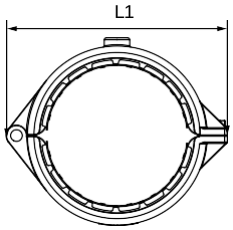


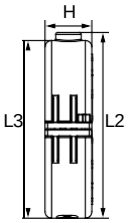


Šifra	DN	DN1	DN2	L	L1		
7078004000	110	130.0	112.0	63.0	62	30	480
7078005000	125	149.0	126.6	94.0	75	12	192
7078006000	160	186.5	162.0	99.7	86	8	192
7078008000	200	233.5	210.0	114.0	57	4	40

Pressure Clamp™



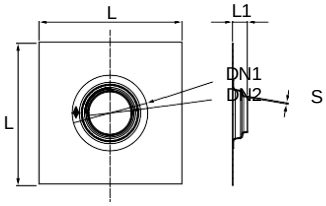




Šifra	DN	L1	L2	L3	H		
7073540070	110	170	144.28	138	36	20	800

Ultra Seal™





Šifra	DN	DN1	DN2	L	S	L1		
7981100000	110	220	102	340	3	52	30	480
7981250000	125	239	121	500	3	52	20	320
7981600000	160	266	149	500	3	52	20	320

Mazivo





Šifra	ml		
47700012	250	50	1800
47700013	2000	1	120



Huliot Group

Omogućujemo protok.

Huliot Group globalni je lider u naprednim sustavima protoka za komercijalne i stambene zgrade, nudeći cjelovita rješenja za vodoopskrbu, otpadne vode i infrastrukturu.

Projektiramo, proizvodimo i plasiramo cjelovit asortiman proizvoda koji skladno funkcioniraju zajedno kako bi omogućili neometan i tih protok vode, uz poštovanje okoliša i očuvanje njegove čistoće.

Huliot Group

Naša priča počinje 1947. u Sde Nechemiahu, mladom kibucu na sjeveru Izraela. U nastojanju da izgrade dobru budućnost za svoje obitelji, naši osnivači prepoznali su tržišni potencijal polimetil-metakrilata (PMMA), kvalitetne plastike koju su upotrebljavali Nijemci, poznate i kao Perspex®. Nakon proučavanja materijala i njegove primjene otvorili su prvi izraelski pogon za proizvodnju plastike u Gornjoj Galileji, između polja i rijeke Jordan, gdje se nalazi i danas.

Tijekom više od 75 godina izgradili smo tvrtku u vodeću globalnu grupaciju, razvijajući poslovanje organski te spajanjima i preuzimanjima, produbljujući stručnost i obuhvaćajući sve veći dio lanca vrijednosti. Danas Huliot Group posjeduje i upravlja sa šest proizvodnih pogona u Izraelu, Indiji, Sloveniji i Portugalu te pruža rješenja na više od 60 tržišta diljem svijeta.

Od 2019. Huliot Group u zajedničkom je vlasništvu kibuca Sde Nehemia (50 %) i investicijskog fonda Tene (50 %).



Naša misija

Poput karika u lancu (doslovno značenje riječi huliot na hebrejskom), naše tvrtke surađuju kako bi unaprijedile snagu dovoda i odvodnje vode od javne infrastrukture i prema njoj. Naša je misija stvoriti ujednačen i tih protok vode za krajnje korisnike u njihovim domovima, na radnim mjestima te u komercijalnim i javnim zgradama, pružanjem pouzdanih i suvremenih rješenja.

Naše vrijednosti

- Profesionalnost
- Strast prema vodstvu
- Integritet i uzorno ponašanje
- Poniznost
- Zajedničko ostvarivanje ciljeva
- Obveza prema našoj zajednici i okolišu

Naši proizvodi



Kućna odvodnja



Akustični sustav odvodnje



HT sustav odvodnje



Revizijska okna i inspekcijske komore



Separatori masti i ulja



Upravljanje oborinskim vodama



Omogućujemo Protok

Huliot Group globalni je lider u naprednim sustavima protoka za komercijalne i stambene zgrade, nudeći cjelovita rješenja za vodoopskrbu, otpadne vode i infrastrukturu.

Projektiramo, proizvodimo i plasiramo cjelovit asortiman proizvoda koji skladno funkcioniraju zajedno kako bi omogućili neometan i tih protok vode, uz poštovanje okoliša i očuvanje njegove čistoće.

PP-R



Mreže za zaštitu od požara



Indukcijska tehnologija



Odvodnja i kanalizacija



Višeslojni sustav



PE-X(A) | PE-RT



Huliot Group

Huliot Israel | Huliot Slovenia | Huliot India | Huliot Heliroma | Huliot Hofit | Weisman Friedman by Huliot

Ultra Silent™ / REV 001 / 05.2023

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