



MODERN SERA EKİPMANLARI İMALATI
MODERN GREENHOUSE EQUIPMENT MANUFACTURING

ikizlersera.com.tr



İKİZLER KALIP-SERA MOLD AND GREENHOUSE

40 YILLIK TECRÜBEMİZLE
KALIBINA SIĞMAYAN
ÇÖZÜMLER ÜRETİYORUZ.

*WE PRODUCE SOLUTIONS,
WHICH DON'T FIT ANY PATTERN,
WITH A 40 YEARS EXPERIENCE.*



HAKKIMIZDA ABOUT US

1975 yılında temelleri atılan İkiizler Sera 40 yılı aşkın deneyimini, ileri üretim teknolojisiyle bütünleştirmiştir. Sera ekipmanları üretim ve satışıyla tarım sektörüne hizmet vermektedir. Bugün Türkiye genelinde ve yurt dışında sera ekipmanları ve kalıp ihtiyaçlarını dünya standartlarında sunmaktadır.

Amacımız; modern sera sistemlerinin bağlantı ekipmanlarını, hassas üretime dayalı yüksek teknolojili CNC-mekanik tezgâhları ve eksantrik-hidrolik presleri ile sera alanındaki tüm teknolojik gelişmeleri sürekli izleyerek, çiftçimizin teknoloji ile birlikte büyümesini sağlamaktır.

Ar-Ge ve proje çalışmalarına verdiği önem ile CAD-CAM destekli sera ürün ve ekipmanlarını kesme, büküm, sıvama, progresif kalıp tasarımı, imalat metodları ile müşterilerine istenilen hizmeti en iyi şekilde sunmaktadır.

İkiizler Sera uzmanlık alanını Türkiye ve Avrupa çapında plastik, polikarbon, veya cam gibi değişik tiplerde seralar dahil, sera konstrüksiyon bağlantı elemanları, sera havalandırma, pencere kramayer ve mekanizmalarını, motor-redüktör grupları, kesme-sıvama-büküm-progresif kalıp tasarım ve imalatı vb. gibi oldukça geniş bir alana sahiptir.

İkiizler markalı ürünlerini sera konstrüksiyonuna özgün tasarımları, kalitesi ispatlanmış ürünleri ile modern sera projeleri hazırlamaktadır. Sera alanındaki tüm teknolojik gelişmeleri sürekli izleyerek, çiftçimizin teknoloji ile birlikte büyümesini sağlamak en büyük amaçlarımızdandır. İkiizler sera çağdaş üretim metodlarına uygun, estetik, ergonomik, kaliteli ve uygun fiyat misyon ve vizyonu ile Türkiye ve Avrupa'daki seralara rekabetçi ve yenilikçi ürünler sunması hedeflenmektedir.

Our company, which was founded in 1975, has given importance to its activities in greenhouse and mold sector since 2005, meets the greenhouse elements and mold manufacturing needs of customers in Turkey and abroad.

İkiizler sera continuously monitors all technological developments in the greenhouse area with high technology cnc-mechanical machines and eccentric hydraulic presses based on precision production; thus aims to ensure that our farmers grow together with technology.

In order to meet demands and expectations of the customers, it offers the best service to its customers with its cad-cam supported greenhouse products and equipment, cutting, twisting, metal spinning, progressive mold design and manufacturing methods and expectations of the customers.

İkiizler sera aims to offer competitive and innovative products to the greenhouses in Turkey and Europe with its aesthetic, ergonomic, high quality and reasonable price mission and vision.

İkiizler sera makine is continuously monitoring all technological developments in greenhouse area with its high technology cnc-mechanical machines and eccentric hydraulic presses based on precision production. Thus, it enables our farmers to grow together with technology.



İKİZLER SERA ÜRETİM

IKİZLER GREENHOUSE PRODUCTION

Uluslararası Seracılık Sektöründe yer alan firmamız yüksek teknolojiyi kullanarak geçmişten aldığı güçlü deneyimleriyle profesyonel çözümler üretmektedir.

Giderek yaygınlaşan ve küresel ekonomide önemli bir bileşeni haline gelen seracılık sektöründe özgün tasarımlarımızla, nitelikli işgücümüzle, güçlü makine parkımızla ülkemizin gururu olmaya devam ediyoruz.

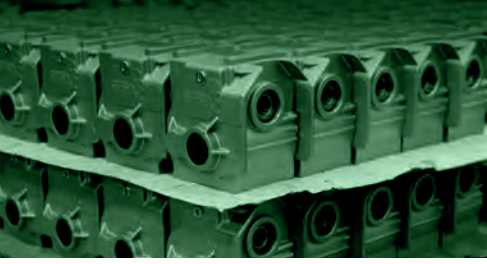
Özgün tasarımlarla ürettiği redüktörlerle, seracılık alanında yarattığı çözümlerle ulusal pazarda lider konumuna gelen firmamız uluslararası pazar payını artırmaya başlamıştır. Satış öncesi ve sonrası müşterilerine bilgi ve tecrübesini aktaran firmamız yaptığı arge ve inovasyonlarla sektöre yeni bir ivme kazandırmıştır.

Our company in the international greenhouse sector employs high-technology and produces professional solutions with strong experiences resulting from the past.

We continue to be the pride of our country with our unique designs, qualified workforce, and powerful machinery in the greenhouse industry, which is ever growing and becoming an important component of the global economy.

Our company, which has become a leader in the national market with the solutions it creates authentic reducer designs in the field of greenhouse production, has started to increase its international market share. Our company, which conveys its knowledge and experience to its customers before and after sales, has given a new impetus to the sector with its R&D and innovations.

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REDUCERS



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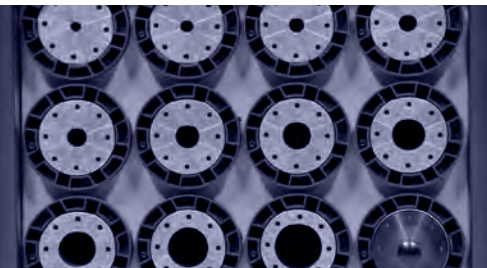
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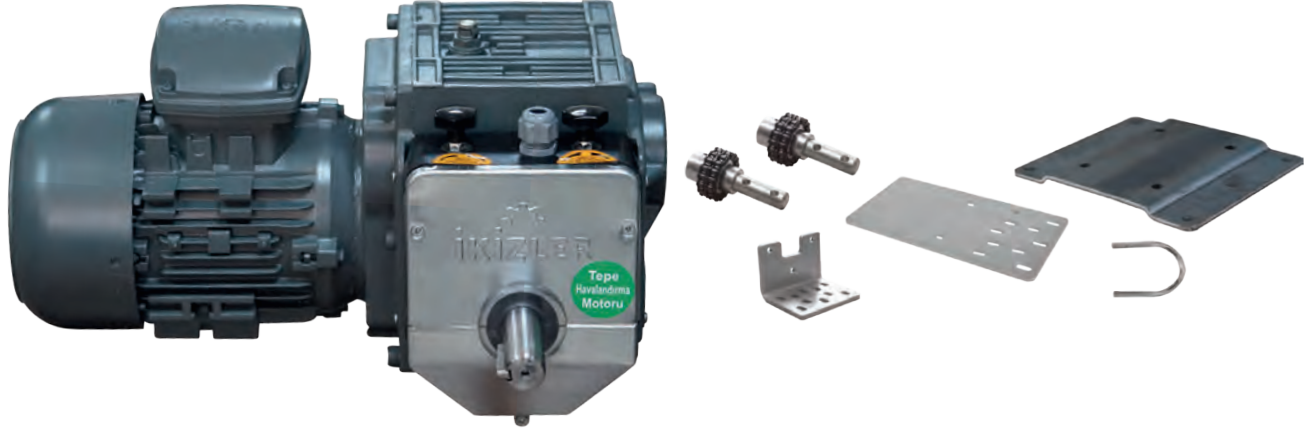
REDÜKTÖRLER *REDUCERS*



M90 Serisi / Series

KONTROL LİMİTLİ MOTORLU REDÜKTÖRLER

MOTOR REDUCERS WITH LIMIT SWITCH



• ürün tanımı

product description

M90 kontrol limitli motorlu redüktörler sera havalandırma, sera gölgeleme sistemleri, hayvancılık binaları ve ürün depolama tesislerinin havalandırma sistemlerinde kullanılmaktadır.
M90 Motor reducers with control limit are used in greenhouse ventilation, greenhouse shading systems, livestock buildings and product storage facilities ventilation systems.

• örnek montaj

sample assembly

Bağlantı Elemanları
Fittings

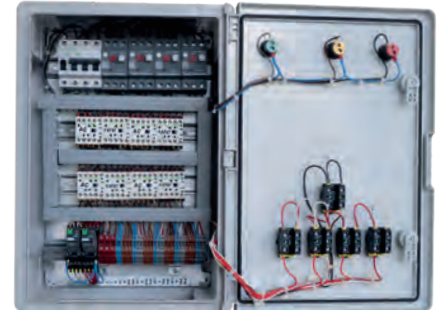
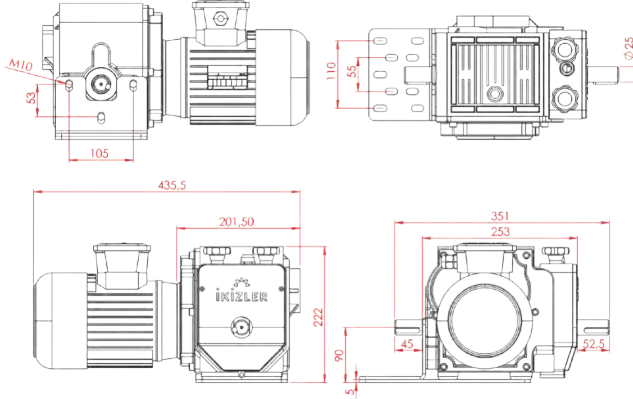
Kaplinler
Couplings

Switch Kutusu
Switch Box

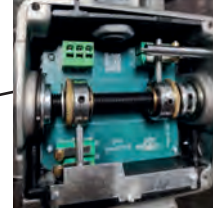
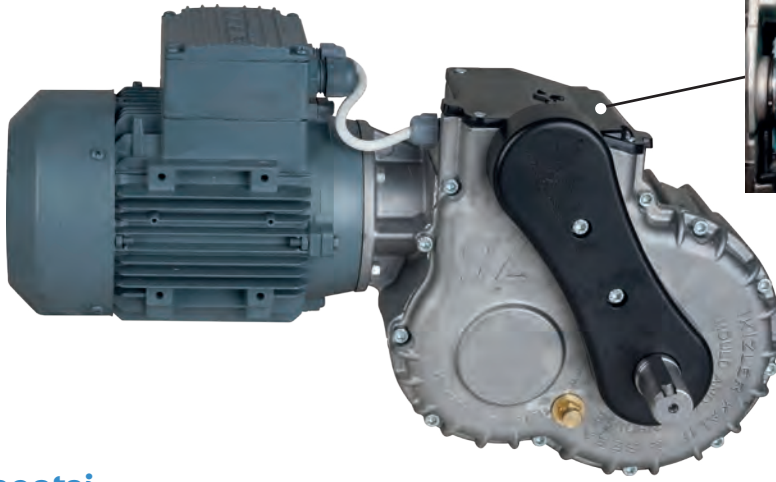


• teknik özellikler

technical specifications



KOD CODE	MODEL MODEL	ÇIKIŞ DEVİR OUTPUT RPM	TORK TORQUE	VOLTAJ VOLTAGE	ÇIKIŞ MİLİ ÇAPİ OUTPUT SHAFT DIAMETER	BAĞLANTI BORUSU ÇAPİ CONNECTION PIPE DIAMETER	AĞIRLIK WEIGHT	GARANTİ GUARANTEE
IKZ.S.RED002	M90 MOTORLU REDÜKTÖR M90 MOTOR REDUCER	3.6 RPM	0.55 KW-600 N	380 V	Ø 25	Ø 34	28 KG	2 YIL/YEARS
IKZ.S.RED003	M90 ISI PERDESİ REDÜKTÖRÜ M90 THERMAL SCREEN REDUCER	3.6 RPM	0.75 KW-800 N	380 V	Ø 25	Ø 34	28 KG	2 YIL/YEARS
KOD CODE	MODEL MODEL							
IKZ.S.PAN001	HAVALANDIRMA PANOSU VENTILATION PANEL							
IKZ.S.PAN002	ISI PERDESİ PANOSU THERMAL SCREEN PANEL							



• örnek montaj sample assembly



Bağlantı Elemanları
Fittings

Kaplinler
Couplings

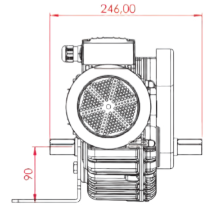
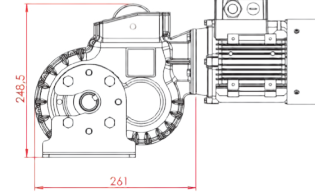
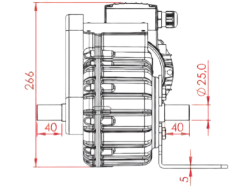
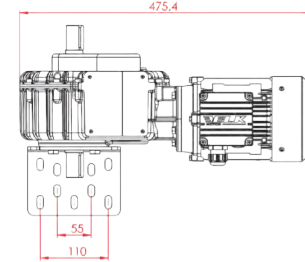
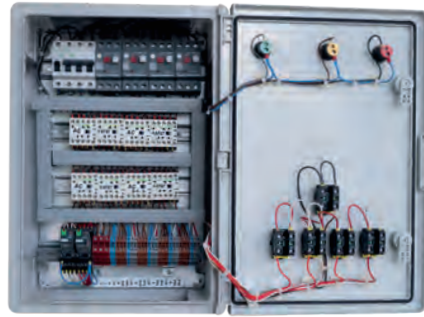
Switch Kutusu
Switch Box

• ürün tanımı product description

EM75 kontrol limitli motorlu redüktörler sera havalandırma, sera gölgeleme sistemleri, hayvancılık binaları ve ürün depolama tesislerinin havalandırma sistemlerinde kullanılmaktadır.

EM75 Motor reducers with control limit are used in greenhouse ventilation, greenhouse shading systems, livestock buildings and product storage facilities ventilation systems.

• teknik özellikler technical specifications



KOD CODE	MODEL MODEL	ÇIKIŞ DEVİR OUTPUT RPM	TORK TORQUE	VOLTAJ VOLTAGE	ÇIKIŞ MİLİ ÇAPİ OUTPUT SHAFT DIAMETER	BAĞLANTI BORUSU ÇAPİ CONNECTION PIPE DIAMETER	AĞIRLIK WEIGHT	GARANTİ GUARANTEE
IKZ.S.RED004	EM75 MOTORLU REDÜKTÖR EM75 MOTOR REDUCER	3.75 RPM	0.37 KW-400 N	380 V	Ø 25	Ø 34	20 KG	2 YIL/YEARS
IKZ.S.RED005	EM75 MOTORLU REDÜKTÖR EM75 MOTOR REDUCER	3.75 RPM	0.55 KW-800 N	380 V	Ø 25	Ø 34	20 KG	2 YIL/YEARS

KOD CODE	MODEL MODEL
IKZ.S.PAN001	HAVALANDIRMA PANOSU VENTILATION PANEL

YSR02 Serisi / Series

LİMİT KONTROLLÜ YAN SARMA MOTORLU REDÜKTÖR

MOTOR GEARBOXES FOR ROLL-UP SIDE



• ürün tanımı

product description

YSR Serisi kontrol limittli motorlu redüktörler seralarda, hayvancılık binaları ve ürün depolama tesislerinin yan havalandırma sistemlerinde kullanılmaktadır.

YSR Series control limited motor reducers are used in greenhouses, livestock buildings and product storage facilities side ventilation.

• örnek montaj

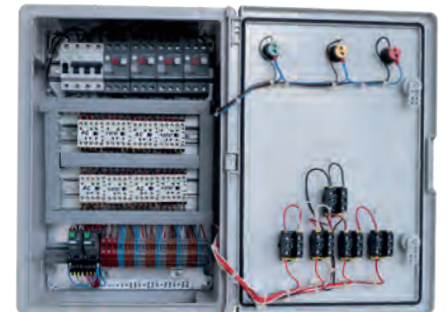
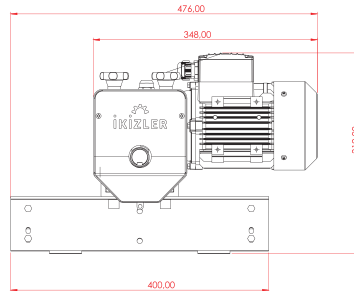
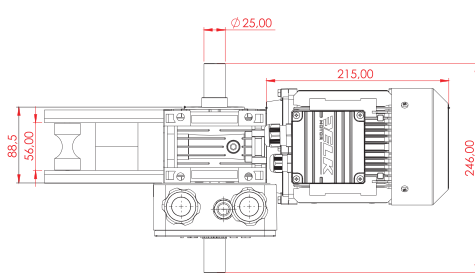
sample assembly

Bağlantı Elemanları
Fittings
Switch Kutusu
Switch Box



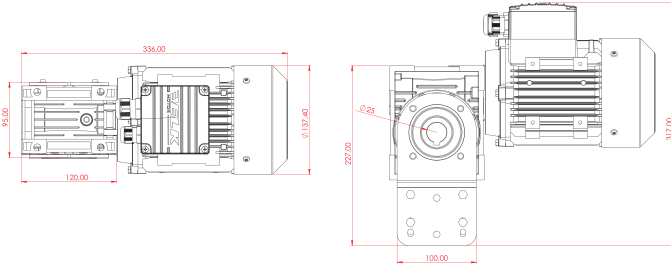
• teknik özellikler

technical specifications



KOD CODE	MODEL MODEL	ÇIKIŞ DEVİR OUTPUT RPM	TORK TORQUE	VOLTAJ VOLTAGE	ÇIKIŞ MİLİ ÇAPI OUTPUT SHAFT DIAMETER	BAĞLANTI BORUSU ÇAPI CONNECTION PIPE DIAMETER	GARANTİ GUARANTEE
IKZ.S.RED007	YAN SARMA ROLL-UP SIDE	18-23-28-33-35 RPM	0.37 KW-400 N	380 V	Ø 25	Ø 34	2 YIL/YEARS
KOD CODE	MODEL MODEL						
IKZ.S.PAN003	HAVALANDIRMA PANOSU VENTILATION PANEL						

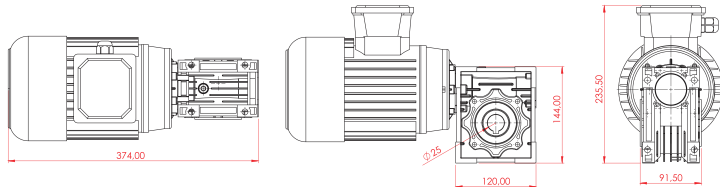
• **örnek montaj**
sample assembly



KOD CODE	MODEL MODEL	ÇIKIŞ DEVİR OUTPUT RPM	TORK TORQUE	VOLTAJ VOLTAGE	ÇIKIŞ MİLİ ÇAPİ OUTPUT SHAFT DIAMETER	BAĞLANTI BORUSU ÇAPİ CONNECTION PIPE DIAMETER	GARANTİ GUARANTEE
IKZ.S.RED006	YAN SARMA ROLL-UP SIDE	18-23-28-33-35 RPM	0.37 KW-400 N	380 V	Ø 25	Ø 34	2 YIL/YEARS

YSR03 Serisi / Series
YAN SARMA MOTORLU REDÜKTÖR
 MOTOR GEARBOXES FOR ROLL-UP SIDE

• **örnek montaj**
sample assembly



KOD CODE	MODEL MODEL	ÇIKIŞ DEVİR OUTPUT RPM	TORK TORQUE	VOLTAJ VOLTAGE	ÇIKIŞ MİLİ ÇAPİ OUTPUT SHAFT DIAMETER	BAĞLANTI BORUSU ÇAPİ CONNECTION PIPE DIAMETER	GARANTİ GUARANTEE
IKZ.S.RED008	YAN SARMA ROLL-UP SIDE	18-23-28-33-35 RPM	0.37 KW-400 N	380 V	Ø 25	Ø 34	2 YIL/YEARS

MR85 Serisi / Series

85 GÖVDE MANUEL REDÜKTÖR

85 GREENHOUSE MANUEL GEARBOX



• ürün tanımı

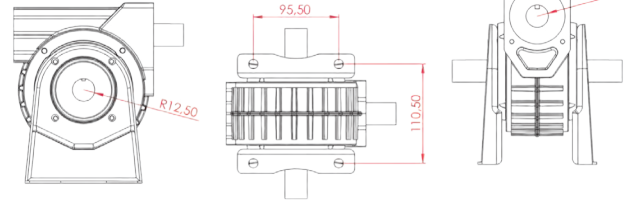
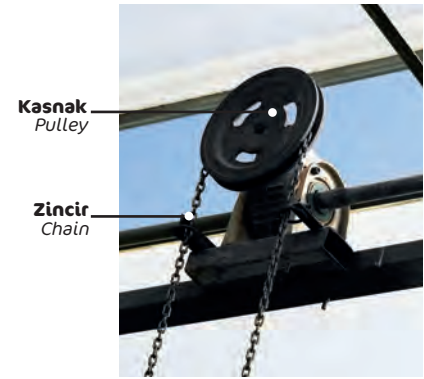
product description

MR85 Serisi manuel dişli kutusu seralar, hayvancılık binaları ve ürün depolama tesislerinin tepe havalandırma sistemlerinde kullanılmaktadır. Genellikle iki adet bağlantı kaplini ve bir adet kasnak ile birlikte satılmaktadır. Kasnakta kullanılan zincir tedariki müşteriye aittir.

The MR85 Series manual gearbox is used in top ventilation systems of greenhouses, livestock buildings and product storage facilities. It is usually sold with two connecting couplings and a pulley. The customer is responsible for supplying the chain used in the pulley.

• örnek montaj

sample assembly



KOD CODE	MODEL MODEL	ÇIKIŞ DEVİR OUTPUT RPM	TORK TORQUE	ÇIKIŞ MİLİ ÇAPİ OUTPUT SHAFT DIAMETER	BAĞLANTI BORUSU ÇAPİ CONNECTION PIPE DIAMETER	AĞIRLIK WEIGHT	GARANTİ GUARANTEE
IKZ.S.REDO09	MR85 MANUEL REDÜKTÖR MR85 MANUEL GEARBOX	1/35	750	Ø 25	Ø 34	14 KG	2 YIL/YEARS

MR63 Serisi / Series

63 GÖVDE MANUEL REDÜKTÖR

63 GREENHOUSE MANUEL GEARBOX



• ürün tanımı

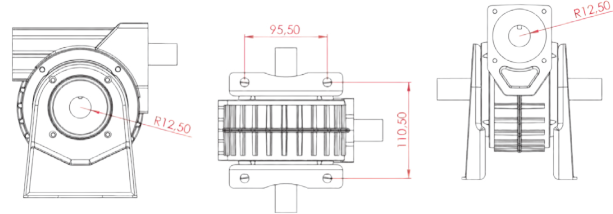
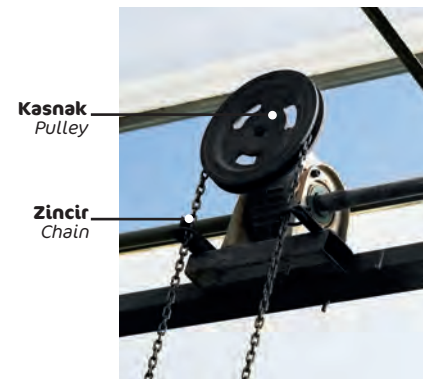
product description

MR63 Serisi manuel dişli kutusu seralar, hayvancılık binaları ve ürün depolama tesislerinin tepe havalandırma sistemlerinde kullanılmaktadır. Genellikle iki adet bağlantı kaplini ve bir adet kasnak ile birlikte satılmaktadır. Kasnakta kullanılan zincir tedariki müşteriye aittir.

MR63 Series manual gearbox is used in top ventilation systems of greenhouses, livestock buildings and product storage facilities. It is usually sold with two connection couplings and one pulley. The customer is responsible for supplying the chain used in the pulley.

• örnek montaj

sample assembly



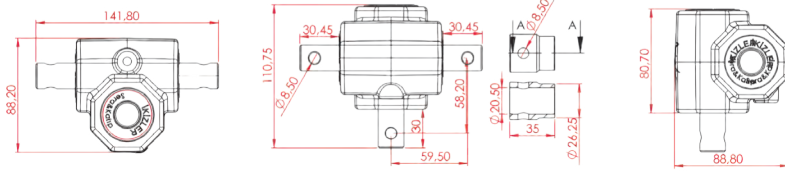
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IKZ.S.REDO10	MR63 MANUEL REDÜKTÖR MR63 MANUEL GEARBOX	1/28	500	Ø 25	Ø 34	10 KG	2 YIL/YEARS

örnek montaj
sample assembly


Yan Sarma Hareket Borusu
 Roll-up Stroke Pipe

ürün tanımı
product description

MR35T Serisi manuel dişli kutusu seralarda yan naylonların açma kapamasında kullanılmaktadır.
 MR35T Series manual gearbox is used for opening and closing of side nylons in greenhouses.



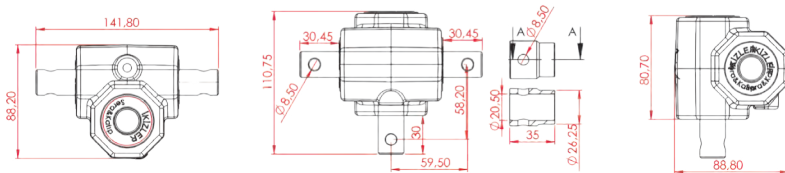
KOD CODE	MODEL MODEL	ÇIKIŞ DEVİR OUTPUT RPM	TORK TORQUE	ÇIKIŞ MİLİ ÇAPI OUTPUT SHAFT DIAMETER	BAĞLANTI BORUSU ÇAPI CONNECTION PIPE DIAMETER	AĞIRLIK WEIGHT	GARANTİ GUARANTEE
IKZ.S.RED011	TEKLİ YAN SARMA SINGLE FILM REELER	1/8	150	Ø 25	Ø 34	1,4 KG	2 YIL/YEARS

örnek montaj
sample assembly


Yan Sarma Hareket Borusu
 Roll-up Stroke Pipe

ürün tanımı
product description

MR35C Serisi manuel dişli kutusu seralarda yan naylonların açma kapamasında kullanılmaktadır.
 MR35C Series manual gearbox is used for opening and closing of side nylons in greenhouses.



KOD CODE	MODEL MODEL	ÇIKIŞ DEVİR OUTPUT RPM	TORK TORQUE	ÇIKIŞ MİLİ ÇAPI OUTPUT SHAFT DIAMETER	BAĞLANTI BORUSU ÇAPI CONNECTION PIPE DIAMETER	AĞIRLIK WEIGHT	GARANTİ GUARANTEE
IKZ.S.RED012	ÇİFTLİ YAN SARMA DOUBLE FILM REELER	1/8	150	Ø 25	Ø 34	1,5 KG	2 YIL/YEARS

MR35T-M Serisi / Series

SERA MANUEL FİLM MAKARALI TEKLİ YAN SARMA

GREENHOUSE MANUEL FILM REELER
ONE OUTPUT



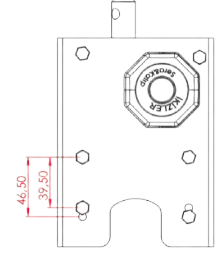
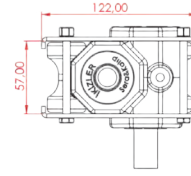
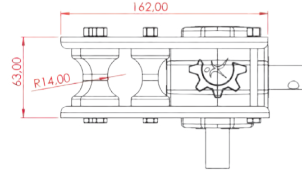
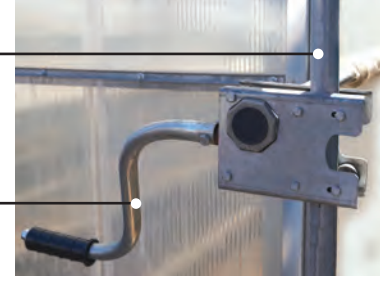
• Ürün tanımı product description

MR35T-M Serisi manuel dişli kutusu seralarda yan naylonların açma kapamasında kullanılmaktadır.
* Diğerlerinden farklı olarak kenarlarına sac eklenmiş ve makaralı olarak yeniden tasarlanmıştır.
MR35T-M Series manual gearbox is used for opening and closing of side nylons in greenhouses.
* Different from the others, it has been redesigned with sheet metal on its edges and reels.

• örnek montaj sample assembly

Bağlantı Borusu
Connection Pipe

Çevirme Kolu
Turning Lever



KOD CODE	MODEL MODEL	ÇIKIŞ DEVİR OUTPUT RPM	TORK TORQUE	ÇIKIŞ MİLİ ÇAPİ OUTPUT SHAFT DIAMETER	BAĞLANTI BORUSU ÇAPİ CONNECTION PIPE DIAMETER	AĞIRLIK WEIGHT	GARANTİ GUARANTEE
IKZ.S.RED013	MAKARALI TEKLİ YAN SARMA SINGLE FILM REELER WITH ROLLER	1/8 RPM	150	Ø 25	Ø 34	0,53 KG	2 YIL/YEARS

MR35C-M Serisi / Series

SERA MANUEL FİLM MAKARALI ÇİFTLİ YAN SARMA

GREENHOUSE MANUEL FILM REELER
TWO OUTPUT



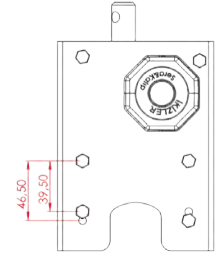
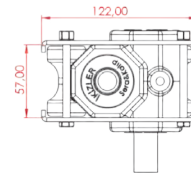
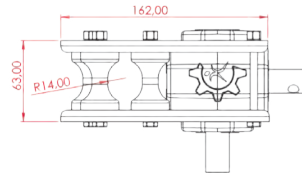
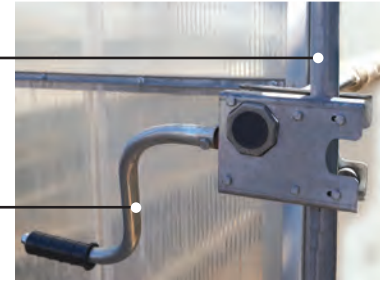
• Ürün tanımı product description

MR35C-M Serisi manuel dişli kutusu seralarda yan naylonların açma kapamasında kullanılmaktadır.
* Diğerlerinden farklı olarak kenarlarına sac eklenmiş ve makaralı olarak yeniden tasarlanmıştır.
MR35C-M Series manual gearbox is used for opening and closing of side nylons in greenhouses.
* Different from the others, it has been redesigned with sheet metal on its edges and reels.

• örnek montaj sample assembly

Bağlantı Borusu
Connection Pipe

Çevirme Kolu
Turning Lever



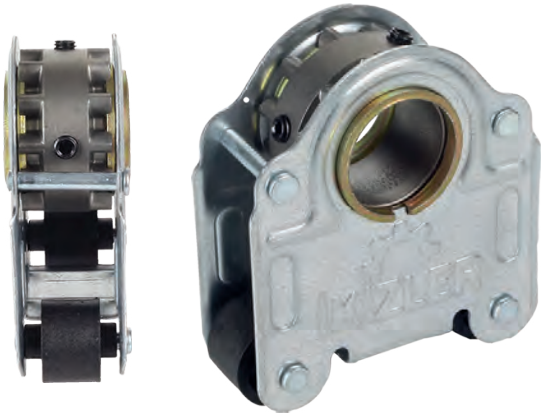
KOD CODE	MODEL MODEL	ÇIKIŞ DEVİR OUTPUT RPM	TORK TORQUE	ÇIKIŞ MİLİ ÇAPİ OUTPUT SHAFT DIAMETER	BAĞLANTI BORUSU ÇAPİ CONNECTION PIPE DIAMETER	AĞIRLIK WEIGHT	GARANTİ GUARANTEE
IKZ.S.RED014	MAKARALI ÇİFTLİ YAN SARMA DOUBLE FILM REELER WITH ROLLER	1/8 RPM	150	Ø 25	Ø 34	0,55 KG	2 YIL/YEARS

HAVALANDIRMA EKİPMANLARI VENTILATION EQUIPMENTS

ÜRÜNLERİMİZ DX51 GALVANİZLİ
SACLARDAN ÜRETİLMEKTEDİR.
OUR PRODUCTS ARE PRODUCED FROM
DX51 GALVANIZED METAL SHEETS.



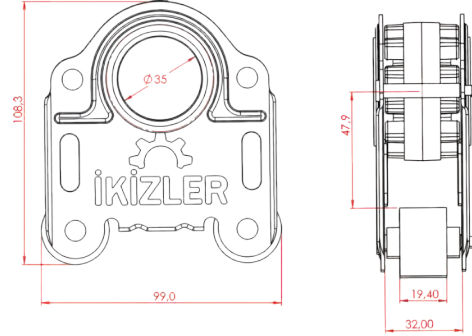
CM Serisi / Series MODERN ÇİFTLİ MEKANİZMA MODERN DOUBLE PINION



34'Lük Galvanizli Boru
34" Galvanized Pipe

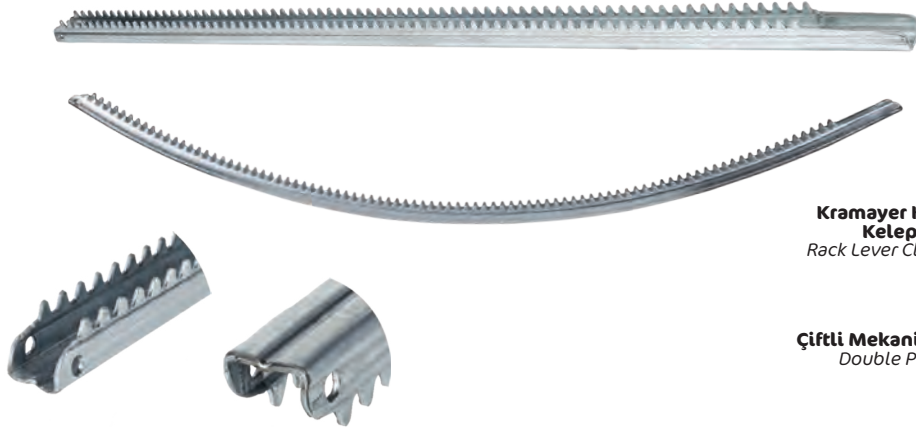
Modern Çiftli Çubuk
Modern Double Rack

• örnek montaj sample assembly



KOD CODE	MODEL MODEL	KALINLIK THICKNESS	BAĞLANTI BORUSU ÇAPI CONNECTION PIPE DIAMETER
İKZ.S.HAV001	MODERN ÇİFTLİ MEKANİZMA MODERN DOUBLE PINION	1,5 MM	Ø 34

CC Serisi / Series MODERN ÇİFTLİ ÇUBUK MODERN DOUBLE RACK



Kramayer Kolu
Kelepçesi
Rack Lever Clamp

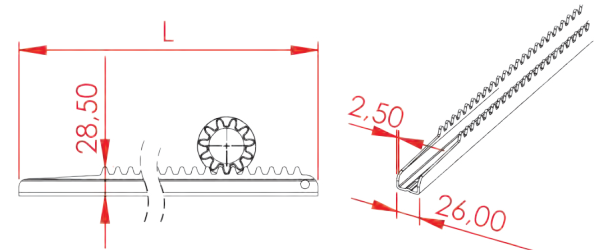
Çiftli Mekanizma
Double Pinion

• ürün tanımı product description

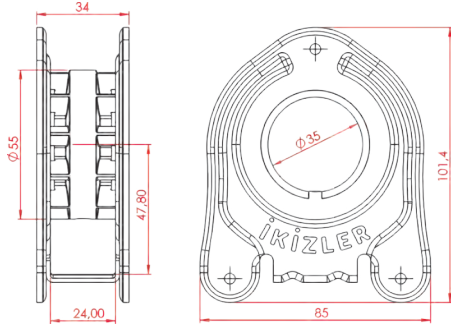
Modern Çiftli Kramayer çubuk ve mekanizması seralar, hayvancılık binaları ve ürün depolama tesislerinin havalandırılmasında motorlu veya motorsuz redüktörlerle birlikte kullanılmaktadır.

Modern Double Rack and pinion are used together with motorized or non-motorized reducers in the ventilation of greenhouses, livestock buildings and product storage facilities.

• örnek montaj sample assembly



KOD CODE	MODEL MODEL	KALINLIK THICKNESS	UZUNLUK LENGTH (L)
İKZ.S.HAV002	ÇİFTLİ ÇUBUK DOUBLE RACK	2,5 MM	1000 MM
İKZ.S.HAV003	ÇİFTLİ ÇUBUK DOUBLE RACK	2,5 MM	1200 MM
İKZ.S.HAV004	ÇİFTLİ ÇUBUK DOUBLE RACK	2,5 MM	1500 MM
İKZ.S.HAV005	ÇİFTLİ ÇUBUK DOUBLE RACK	2,5 MM	1800 MM
İKZ.S.HAV006	ÇİFTLİ ÇUBUK DOUBLE RACK	2,5 MM	2000 MM
İKZ.S.HAV028	ÇİFTLİ ÇUBUK (EĞİMLİ) DOUBLE RACK (CURVED)	2,5 MM	1200 MM



KOD CODE	MODEL MODEL	KALINLIK THICKNESS	BAĞLANTI BORUSU ÇAPI CONNECTION PIPE DIAMETER
İKZ.S.HAV008	EKO ÇİFTLİ MEKANİZMA ECO DOUBLE PINION	1,5 MM	Ø 34

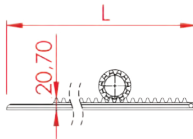
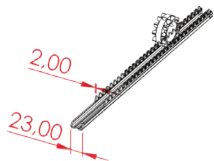
• Ürün tanımı product description

Ekonomik Çiftli Kramayer çubuk ve mekanizması seralar, hayvancılık binaları ve ürün depolama tesislerinin havalandırılmasında motorlu veya motorsuz redüktörlerle birlikte kullanılmaktadır.
***Daha küçük ve ekonomik seralar için yeniden dizayn edilmiştir.**
 Economical Double Rack and pinion are used together with motorized or non-motorized reducers in the ventilation of greenhouses, livestock buildings and product storage facilities.
 *Redesigned for smaller and more economical greenhouses.

EC Serisi / Series

EKO ÇİFTLİ ÇUBUK

ECO DOUBLE RACK



KOD CODE	MODEL MODEL	KALINLIK THICKNESS	UZUNLUK LENGTH (L)
İKZ.S.HAV009	EKO ÇİFTLİ ÇUBUK ECO DOUBLE RACK	2 MM	1115 MM
İKZ.S.HAV010	EKO ÇİFTLİ ÇUBUK ECO DOUBLE RACK	2 MM	1375 MM

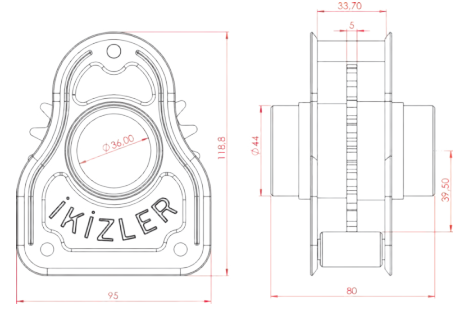
TM Serisi / Series
ECO TEKLİ MEKANİZMA
ECO SINGLE PINION



• **örnek montaj**
sample assembly

34'Lük Galvanizli Boru
34' Galvanized Pipe

Tekli Çubuk
Single Rack



KOD CODE	MODEL MODEL	KALINLIK THICKNESS	UZUNLUK LENGTH (L)
IKZ.S.HAV0011	ECO TEKLİ MEKANİZMA ECO SINGLE PINION	1,5 MM	1115 MM

• **Ürün tanımı**
product description

Tekli Kramayer çubuk ve mekanizması ekonomik seraların havalandırılmasında motorlu veya motorsuz redüktörlerle birlikte kullanılmaktadır.

Single rack and pinion are used together with motorized or non-motorized reducers in the ventilation of economical greenhouses.

TC Serisi / Series
ECO TEKLİ ÇUBUK
ECO SINGLE RACK



Kramayer Kolu
Kelepçesi
Rack's Clamp

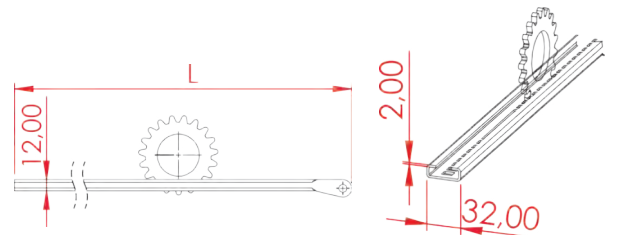
Tekli Mekanizma
Single Pinion

34'Lük Galvanizli Boru
34' Galvanized Pipe



• **örnek montaj**
sample assembly

KOD CODE	MODEL MODEL	KALINLIK THICKNESS	UZUNLUK LENGTH (L)
IKZ.S.HAV009	ECO TEKLİ ÇUBUK ECO SINGLE RACK	2 MM	1115 MM
IKZ.S.HAV010	ECO TEKLİ ÇUBUK ECO SINGLE RACK	2 MM	1375 MM





• örnek montaj sample assembly



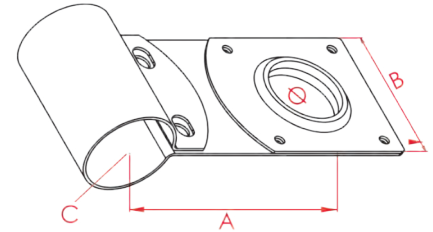
Kelepçe Bağlantı Borusu
Clamp Connection Pipe

Askı Bilyası Rulman Yatağı Borusu
Hanger Ball Roller Bearing Pipe

• ürün tanımı product description

Kramayeri çalıştıran 34'lük galvanizli boruların askıda kalmasını sağlayan kelepçeli çelik rulmanlı askı bilyasıdır.
It is the hanger ball with steel bearings with clamps that holding the 34' galvanized pipes that run the rack.

• teknik özellikler technical specifications



KOD CODE	MODEL MODEL	KALINLIK THICKNESS	A (MM)	B (MM)	C (MM)	BAĞLANTI BORUSU ÇAPI CONNECTION PIPE DIAMETER
İKZ.S.HAV015	KELEPÇELİ ASKI BİLYASI HANGER BALL BEARING WITH CLAMP	1,5 MM	120	80	Ø 27	Ø 34
İKZ.S.HAV016	KELEPÇELİ ASKI BİLYASI HANGER BALL BEARING WITH CLAMP	1,5 MM	120	80	Ø 34	Ø 34
İKZ.S.HAV017	KELEPÇELİ ASKI BİLYASI HANGER BALL BEARING WITH CLAMP	1,5 MM	120	80	Ø 42	Ø 34
İKZ.S.HAV018	KELEPÇELİ ASKI BİLYASI HANGER BALL BEARING WITH CLAMP	1,5 MM	120	80	Ø 48	Ø 34
İKZ.S.HAV019	KELEPÇELİ ASKI BİLYASI HANGER BALL BEARING WITH CLAMP	1,5 MM	120	80	Ø 60	Ø 34
İKZ.S.HAV020	KELEPÇELİ ASKI BİLYASI HANGER BALL BEARING WITH CLAMP	1,5 MM	120	80	Ø 50-60	Ø 34

AB2 Serisi / Series

KELEPÇESİZ ASKI BİLYASI

HANGER BALL BEARING WITHOUT CLAMP

• örnek montaj

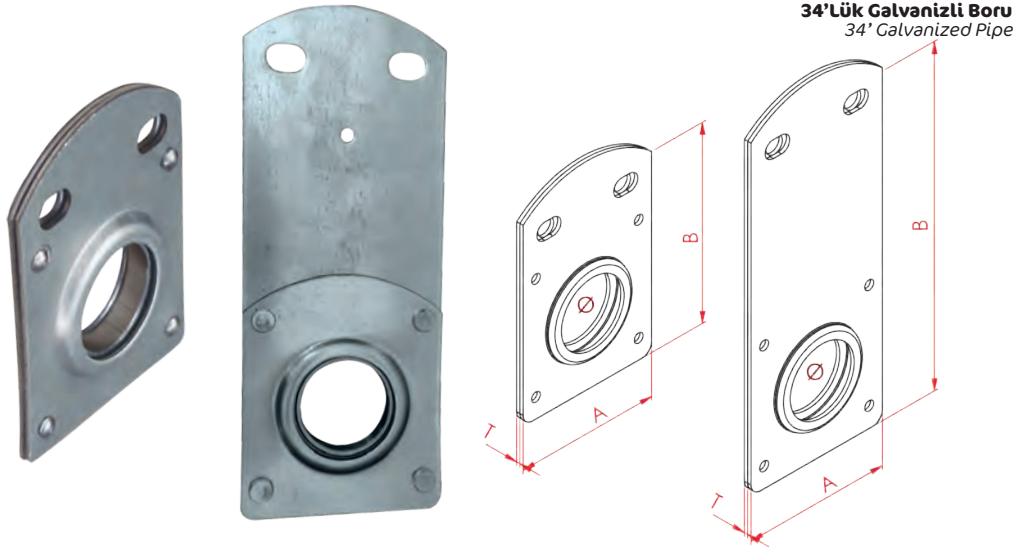
sample assembly



• ürün tanımı

product description

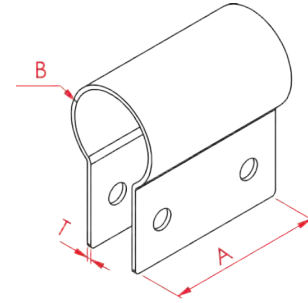
Kramayeri çalıştıran 34'lük galvanizli boruların askıda kalmasını sağlayan çelik rulmanlı askı bilyasıdır.
It is the hanger ball with steel bearing, which holding the 34' galvanized pipes running the rack.



KOD CODE	MODEL MODEL	KALINLIK THICKNESS	A (MM)	B (MM)	BAĞLANTI BORUSU ÇAPI CONNECTION PIPE DIAMETER
IKZ.S.HAV021	KELEPÇESİZ ASKI BİLYASI HANGER BALL BEARING WITHOUT CLAMP	1,5 MM	80	110	Ø 34
IKZ.S.HAV028	KELEPÇESİZ ASKI BİLYASI (UZUN) HANGER BALL BEARING WITHOUT CLAMP (LONG)	1,5 MM	80	200	Ø 34

ASKI BİLYASI KELEPÇESİ

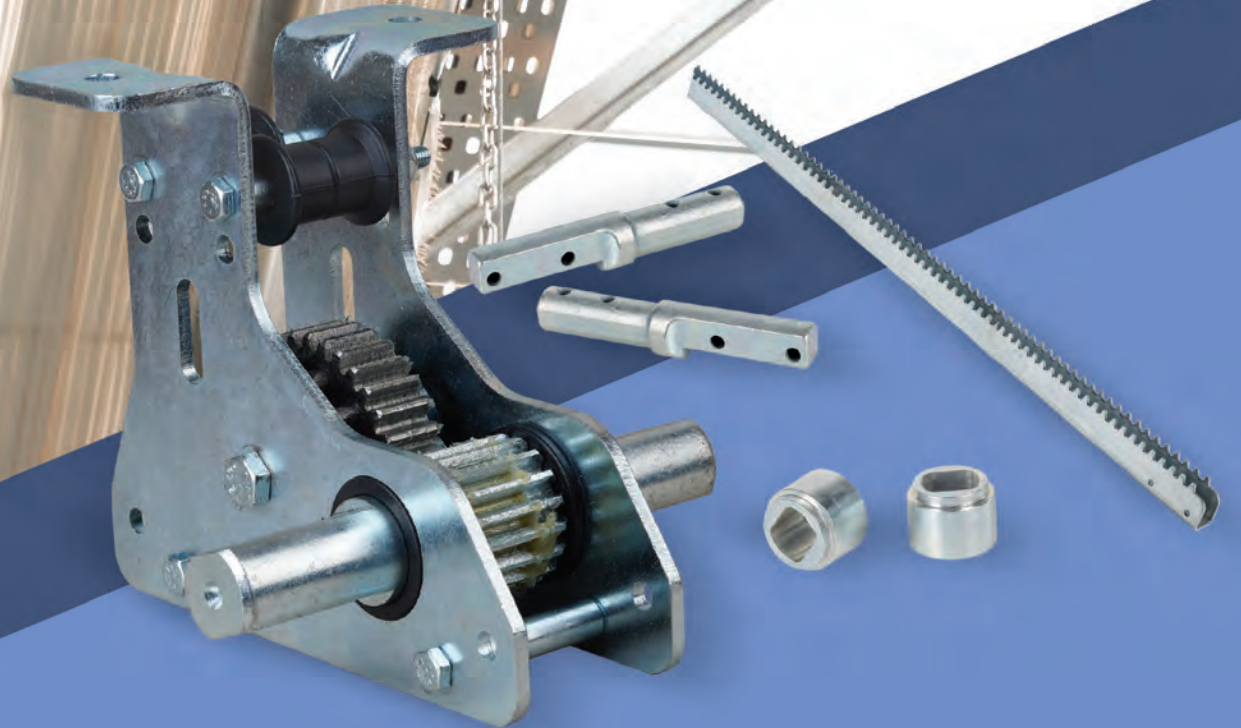
HANGER BALL CLAMP



KOD CODE	MODEL MODEL	KALINLIK THICKNESS	A (MM)	B (Ø)
IKZ.S.HAV022	ASKI BİLYASI KELEPÇESİ HANGER BALL CLAMP	2 MM	80	Ø 27 MM
IKZ.S.HAV023	ASKI BİLYASI KELEPÇESİ HANGER BALL CLAMP	2 MM	80	Ø 34 MM
IKZ.S.HAV024	ASKI BİLYASI KELEPÇESİ HANGER BALL CLAMP	2 MM	80	Ø 42 MM
IKZ.S.HAV025	ASKI BİLYASI KELEPÇESİ HANGER BALL CLAMP	2 MM	80	Ø 48 MM
IKZ.S.HAV026	ASKI BİLYASI KELEPÇESİ HANGER BALL CLAMP	2 MM	80	Ø 60 MM
IKZ.S.HAV027	ASKI BİLYASI KELEPÇESİ HANGER BALL CLAMP	2 MM	80	Ø 50-60 MM

ISI PERDESİ SİSTEMLERİ THERMIC SCREEN SYSTEMS

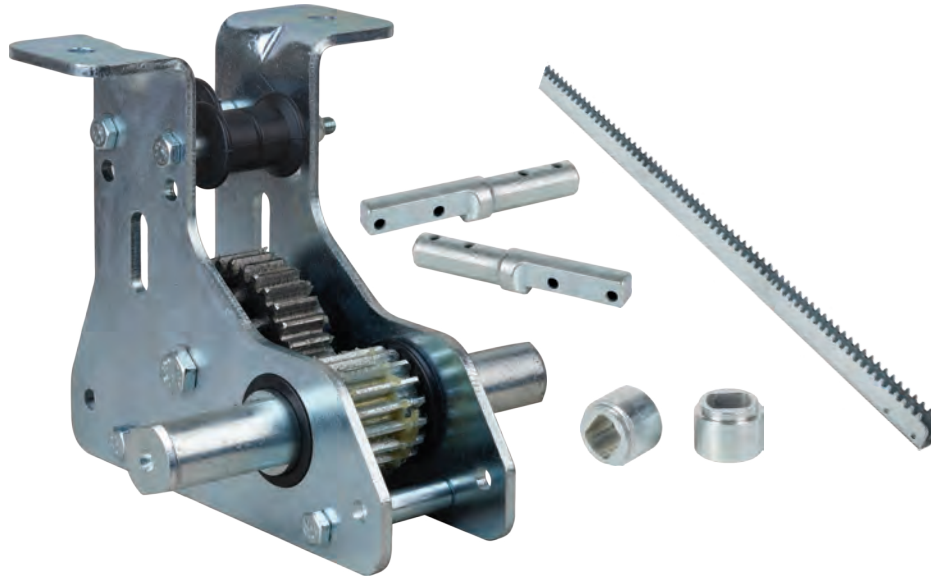
ÜRÜNLERİMİZ DX51 GALVANİZLİ
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DX51 GALVANIZED METAL SHEETS.



IPM Serisi / Series

ISI PERDESİ MEKANİZMASI

GREENHOUSE THERMIC SCREEN PINION



• ürün tanımı

product description

Isı perdesi sistemleri yaz mevsiminde gölgeleme amaçlı kullanılırken, kış mevsiminde enerji tasarrufu sağlamak amacıyla kullanılmaktadır.

While thermal curtain systems are used for shading during the summer season, they are also used to save energy in the winter season.

• örnek montaj

sample assembly

Mekanizma Bağlama Kelepçesi
Pinion Clamp

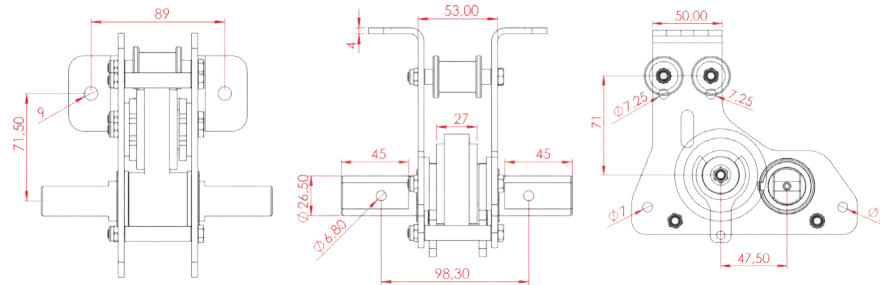
Kaplin
Coupling

Isı Perdesi Kramayeri
Thermal Curtain Rack



• teknik özellikler

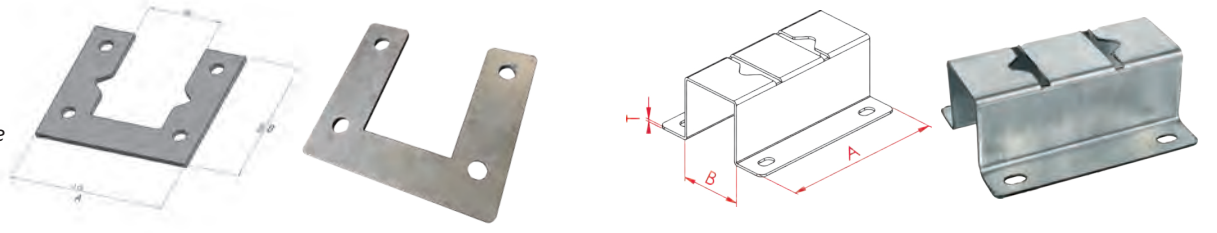
technical specifications



KOD CODE	MODEL MODEL	DEVİR RPM	ÖLÇÜ DIAMETER
IKZ.S.ISI001	ISI PERDESİ MEKANİZMASI GREENHOUSE THERMIC SCREEN PINION	1,8 RPM	
IKZ.S.ISI002	ISI PERDESİ ÇUBUĞU GREENHOUSE THERMIC SCREEN RACK		4997 MM
IKZ.S.ISI003	ISI PERDESİ ÇUBUĞU GREENHOUSE THERMIC SCREEN RACK		3000 MM
IKZ.S.ISI004	ISI PERDESİ S TUTUCU THERMIC SCREEN S HOLDER		Ø 34
IKZ.S.ISI005	ISI PERDESİ 1/4 BAĞLANTI KAPLINİ THERMIC SCREEN 1/4 CONNECTION COUPLING		1/4 INC

• **Ürün tanımı**
 product description

Isı perdesi mekanizmasının montajlanmasında kullanılmaktadır.
 It is used in the assembly of the thermal curtain mechanism.



KOD CODE	MODEL MODEL	KALINLIK THICKNESS	A (MM)	B (MM)	BAĞLANTI ÖLÇÜSÜ (Ø) CONNECTION DIAMETER (Ø)
IKZ.S.KLP129	ISI PERDESİ MEKANİZMA KELEPÇESİ THERMIC SCREEN MEKANİZM CLAMP	2	140	50	50 X 50
IKZ.S.KLP205	ISI PERDESİ MEKANİZMA KELEPÇESİ THERMIC SCREEN MEKANİZM CLAMP	2	115	100	-

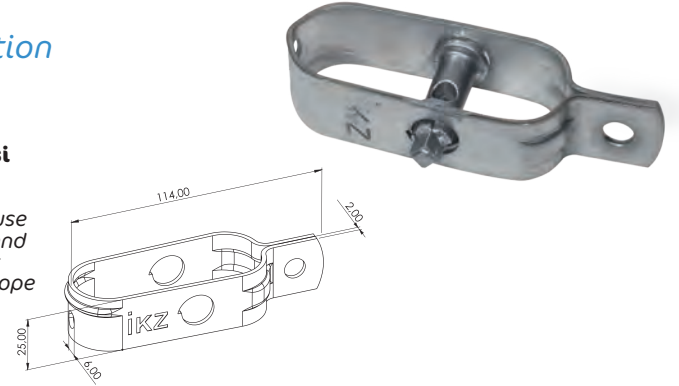
ISI PERDESİ GERĞİ APARATI
 THERMIC SCREEN CABLE STRETCH COMPONENT

• **örnek montaj**
 sample assembly



• **Ürün tanımı**
 product description

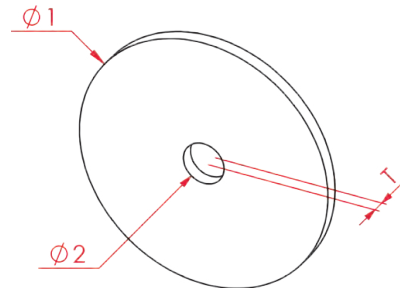
Sera ısı perdesi sisteminde ve tarım sektöründe her türlü çelik halat gerdirilmesi gerekli olan alanlarda kullanılmaktadır.
 It is used in the greenhouse thermal curtain system and in the agricultural sector where all kinds of steel rope tensioning are required.



KOD CODE	MODEL MODEL	KALINLIK THICKNESS
IKZ.S.KLP130	ISI PERDESİ GERĞİ APARATI THERMIC SCREEN CABLE STRETCH COMPONENT	2

• **Ürün tanımı**
 product description

Sera ısı perdesi sisteminde kullanılan perdenin uçlarında ağırlık amacıyla kullanılmaktadır.
 It is used for weight purposes at the ends of the curtain used in the greenhouse thermal curtain system.

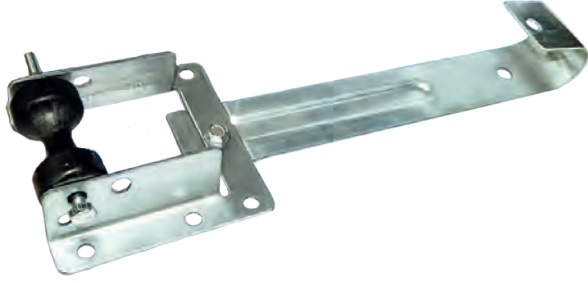


ISI PERDESİ AĞIRLIK PULU
 THERMIC SCREEN WEIGHT WASHER



KOD CODE	MODEL MODEL	KALINLIK THICKNESS	Ø1 (MM)	Ø2 (MM)
IKZ.S.KLP131	ISI PERDESİ AĞIRLIK PULU THERMIC SCREEN WEIGHT WASHER	2,5	55	6
IKZ.S.KLP132	ISI PERDESİ AĞIRLIK PULU THERMIC SCREEN WEIGHT WASHER	3	55	6

ISI PERDESİ MAKARALI ASKI SİSTEMİ THERMIC SCREEN HANGER CLAMP WITH PULLEY SYSTEM

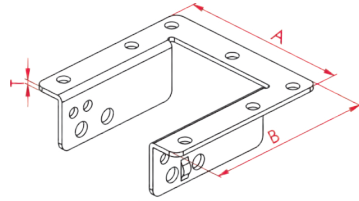


32x1,5 mm Galvanizli Boru
32x1,5 mm Galvanized Pipe

• örnek montaj sample assembly



ISI PERDESİ MAKARA YATAĞI THERMIC SCREEN PULLEY BEARING

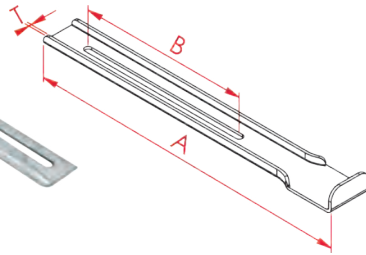


• ürün tanımı product description

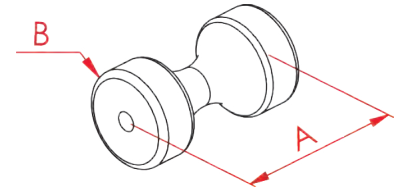
Isı perdesi kramayerini uzatılmasında kullanılan boruların taşınmasında kullanılmaktadır.

It is used to transport the pipes used for extending the thermal curtain rack.

ISI PERDESİ ASKI KELEPÇESİ THERMIC SCREEN CLAMP



ISI PERDESİ MAKARA THERMIC SCREEN PULLEY



KOD CODE	MODEL MODEL	KALINLIK THICKNESS	A (MM)	B (MM)
IKZ.S.KLP133	ISI PERDESİ MAKARALI ASKI SİSTEMİ THERMIC SCREEN HANGER CLAMP WITH PULLEY SYSTEM	2	100	100
IKZ.S.KLP134	ISI PERDESİ MAKARA YATAĞI THERMIC SCREEN PULLEY BEARING	2	100	100
IKZ.S.KLP135	ISI PERDESİ ASKI KELEPÇESİ THERMIC SCREEN CLAMP	2	253	118
IKZ.S.KLP136	ISI PERDESİ MAKARASI THERMIC SCREEN PULLEY	2	30	35

Ø32 ALÜMİNYUM BORU KELEPÇESİ

Ø32 ALUMINUM PIPE CLAMP

• örnek montaj

sample assembly



Ø19x1 mm
Galvanizli Boru
Ø19x1 mm Galvanized
Pipe

32x1,5 mm
Galvanizli Boru
32x1.5 mm
Galvanized Pipe



IKZ.S.ISI023

IKZ.S.ISI024

IKZ.S.ISI025

KOD CODE	MODEL MODEL
IKZ.S.ISI023	Ø19 ISI PERDESİ ALÜMİNYUM BORU EKİ Ø19 THERMAL CURTAIN ALUMINUM PIPE ATTACHMENT
IKZ.S.ISI024	Ø32 ISI PERDESİ ALÜMİNYUM BORU KELEPÇESİ Ø32 THERMAL CURTAIN ALUMINUM PIPE CLAMP
IKZ.S.ISI025	Ø19 ISI PERDESİ ALÜMİNYUM BORU KELEPÇESİ Ø19 THERMAL CURTAIN ALUMINUM PIPE CLAMP

ISI PERDESİ PERDE KLİPSİ

THERMAL CURTAIN CLIP

• örnek montaj

sample assembly



Ø19 Galvanizli Boru
Ø19 Galvanized Pipe



KOD CODE	MODEL MODEL
IKZ.S.ISI033	Ø19 ISI PERDESİ PERDE KLİPSİ Ø19 THERMAL CURTAIN CLIP
IKZ.S.ISI034	Ø19 ISI PERDESİ YÖNLENDİRME ÇELİK KELEPÇE Ø19 THERMAL CURTAIN STEEL GUIDE CLAMP

ISI PERDE SONU TUTMA HALKASI

THERMAL CURTAIN END RETAINING RING



KOD CODE	MODEL MODEL
IKZ.S.ISI035	ISI PERDE SONU TUTMA HALKASI THERMAL CURTAIN END RETAINING RING

ISI PERDESİ KÜÇÜK MAKARA

THERMAL CURTAIN SMALL REEL



KOD CODE	MODEL MODEL
IKZ.S.ISI008	ISI PERDESİ KÜÇÜK MAKARA THERMAL CURTAIN SMALL REEL

BÜYÜK VE KÜÇÜK YÖNLENDİRME KELEPÇELERİ

LARGE AND SMALL ROUTING CLAMPS



KOD CODE	MODEL MODEL
IKZ.S.ISI011	ISI PERDESİ BÜYÜK YÖNLENDİRME KELEPÇESİ LARGE ROUTING CLAMPS
IKZ.S.ISI012	ISI PERDESİ KÜÇÜK YÖNLENDİRME KELEPÇESİ SMALL ROUTING CLAMPS

• örnek montaj sample assembly

Ø19 Galvanizli Boru
Ø19 Galvanized Pipe



Ø3 MM ISI PERDESİ KLİPSİ

Ø3 MM THERMAL SCREEN CLIP



KOD CODE	MODEL MODEL
IKZ.S.ISI007	Ø3 MM ISI PERDESİ KLİPSİ Ø3 MM THERMAL SCREEN CLIP

• örnek montaj sample assembly



AĞIRLIK PULU TUTTURMA KLİPSİ

WEIGHT WASHER ATTACHMENT CLIP



KOD CODE	MODEL MODEL
IKZ.S.ISI031	AĞIRLIK PULU TUTTURMA KLİPSİ WEIGHT WASHER ATTACHMENT CLIP

• örnek montaj sample assembly



BAĞLANTI ELEMANLARI CONNECTION EQUIPMENTS

ÜRÜNLERİMİZ DX51 GALVANİZLİ
SACLARDAN ÜRETİLMEKTEDİR.
OUR PRODUCTS ARE PRODUCED FROM
DX51 GALVANIZED METAL SHEETS.



MODERN TAM Y KAPİTAL MODERN FULL Y CLAMP



• ürün tanımı product description

Modern seralarda kolon bağlantı boru veya profillerini makas bağlantı borusuyla birleştiren ve oluğu taşıyan kelepçelerdir. Genellikle kelepçeleri ile birlikte takım olarak satılmaktadır.

In modern greenhouses, they are the clamps that connect the column connection pipe or profiles with the arch connection pipe and bear the gutter. They are usually sold as a set with clamps.

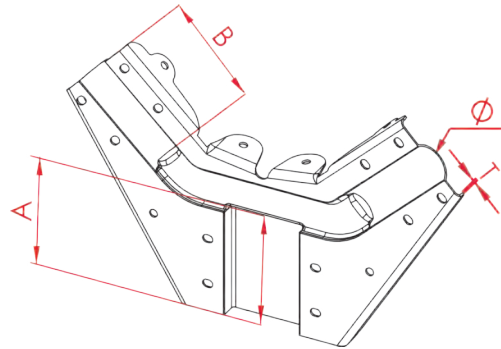
• örnek montaj sample assembly

Makas Bağlantı
Arch Connection

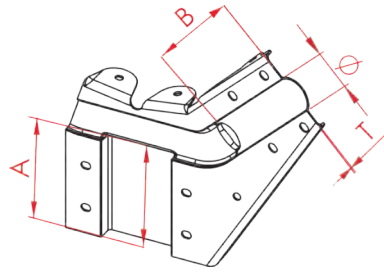
Kolon Bağlantı
Column Connection



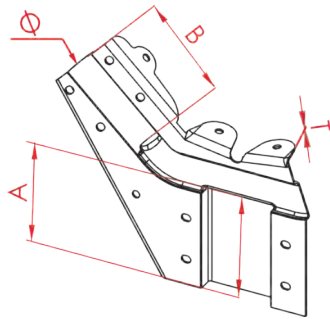
• teknik özellikler technical specifications



KOD CODE	MODEL MODEL	KALINLIK THICKNESS	A (MM)	B (MM)	KOLON BAĞLANTI ÖLÇÜSÜ COLOUMN DIAMETER (MM)	MAKAS BAĞLANTI ÖLÇÜSÜ (Ø) ARCH CONNECTION DIAMETER (Ø)
IKZ.S.KLP001	TAM MODERN Y KAPİTAL MODERN FULL Y CLAMP	2	110	105	60 X 60	Ø 42
IKZ.S.KLP002	TAM MODERN Y KAPİTAL MODERN FULL Y CLAMP	2	110	105	60 X 60	Ø 48
IKZ.S.KLP003	TAM MODERN Y KAPİTAL MODERN FULL Y CLAMP	2	110	105	80 X 80	Ø 42
IKZ.S.KLP004	TAM MODERN Y KAPİTAL MODERN FULL Y CLAMP	2	110	105	80 X 80	Ø 48
IKZ.S.KLP005	TAM MODERN Y KAPİTAL MODERN FULL Y CLAMP	2	110	105	80 X 80	Ø 60
IKZ.S.KLP006	TAM MODERN Y KAPİTAL MODERN FULL Y CLAMP	2	110	105	80 X 80	Ø 50-60
IKZ.S.KLP007	TAM MODERN Y KAPİTAL MODERN FULL Y CLAMP	2	110	105	Ø 76	Ø 42
IKZ.S.KLP008	TAM MODERN Y KAPİTAL MODERN FULL Y CLAMP	2	110	105	Ø 60	Ø 34



KOD CODE	MODEL MODEL	KALINLIK THICKNESS	A (MM)	B (MM)	KOLON BAĞLANTI ÖLÇÜSÜ COLOUMN DIAMETER (MM)	MAKAS BAĞLANTI ÖLÇÜSÜ (Ø) ARCH CONNECTION DIAMETER (Ø)
IKZ.S.KLP009	SAĞ MODERN Y KAPİTAL MODERN RIGHT Y CLAMP	2	110	105	60 X 60	Ø 42
IKZ.S.KLP010	SAĞ MODERN Y KAPİTAL MODERN RIGHT Y CLAMP	2	110	105	60 X 60	Ø 48
IKZ.S.KLP011	SAĞ MODERN Y KAPİTAL MODERN RIGHT Y CLAMP	2	110	105	80 X 80	Ø 42
IKZ.S.KLP012	SAĞ MODERN Y KAPİTAL MODERN RIGHT Y CLAMP	2	110	105	80 X 80	Ø 48
IKZ.S.KLP013	SAĞ MODERN Y KAPİTAL MODERN RIGHT Y CLAMP	2	110	105	80 X 80	Ø 60
IKZ.S.KLP014	SAĞ MODERN Y KAPİTAL MODERN RIGHT Y CLAMP	2	110	105	80 X 80	Ø 50-60
IKZ.S.KLP015	SAĞ MODERN Y KAPİTAL MODERN RIGHT Y CLAMP	2	110	105	Ø 76	Ø 42
IKZ.S.KLP016	SAĞ MODERN Y KAPİTAL MODERN RIGHT Y CLAMP	2	110	105	Ø 60	Ø 34



KOD CODE	MODEL MODEL	KALINLIK THICKNESS	A (MM)	B (MM)	KOLON BAĞLANTI ÖLÇÜSÜ COLOUMN DIAMETER (MM)	MAKAS BAĞLANTI ÖLÇÜSÜ (Ø) ARCH CONNECTION DIAMETER (Ø)
IKZ.S.KLP017	SOL MODERN Y KAPİTAL MODERN LEFT Y CLAMP	2	110	105	60 X 60	Ø 42
IKZ.S.KLP018	SOL MODERN Y KAPİTAL MODERN LEFT Y CLAMP	2	110	105	60 X 60	Ø 48
IKZ.S.KLP019	SOL MODERN Y KAPİTAL MODERN LEFT Y CLAMP	2	110	105	80 X 80	Ø 42
IKZ.S.KLP020	SOL MODERN Y KAPİTAL MODERN LEFT Y CLAMP	2	110	105	80 X 80	Ø 48
IKZ.S.KLP021	SOL MODERN Y KAPİTAL MODERN LEFT Y CLAMP	2	110	105	80 X 80	Ø 60
IKZ.S.KLP022	SOL MODERN Y KAPİTAL MODERN LEFT Y CLAMP	2	110	105	80 X 80	Ø 50-60
IKZ.S.KLP023	SOL MODERN Y KAPİTAL MODERN LEFT Y CLAMP	2	110	105	Ø 76	Ø 42
IKZ.S.KLP024	SOL MODERN Y KAPİTAL MODERN LEFT Y CLAMP	2	110	105	Ø 60	Ø 34

EKONOMİK TAM Y KAPİTAL ECONOMIC FULL Y CLAMP



• ürün tanımı product description

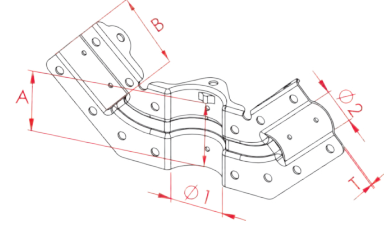
Ekonomik seralarda kolon bağlantı boru veya profillerini makas bağlantı borusuyla birleştiren ve oluğu taşıyan kelepçelerdir. Genellikle kelepçeleri ile birlikte takım olarak satılmaktadır.

These are the clamps that connect the column connection pipes or profiles with the arch connection pipe in economic greenhouses and bear the gutter. It is usually sold as a set with clamps.

• örnek montaj sample assembly

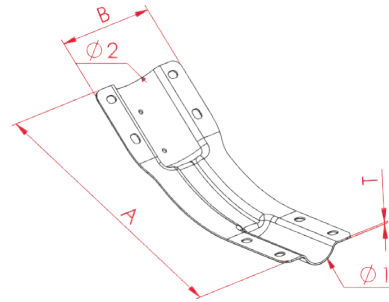
Makas Bağlantı
Arch Connection

Kolon Bağlantı
Column Connection

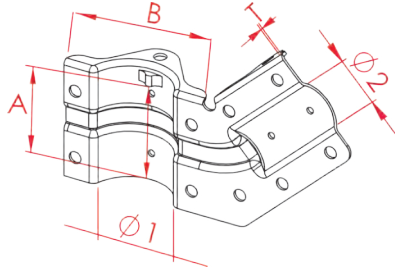


KOD CODE	MODEL MODEL	KALINLIK THICKNESS	A (MM)	B (MM)	KOLON BAĞLANTI ÖLÇÜSÜ COLOUMN DIAMETER (MM)	MAKAS BAĞLANTI ÖLÇÜSÜ (Ø) ARCH CONNECTION DIAMETER (Ø)
IKZ.S.KLP025	TAM EKO Y KAPİTAL ECONOMIC FULL Y CLAMP	2	110	105	60 X 60	Ø 27
IKZ.S.KLP026	TAM EKO Y KAPİTAL ECONOMIC FULL Y CLAMP	2	110	105	60 X 60	Ø 34
IKZ.S.KLP027	TAM EKO Y KAPİTAL ECONOMIC FULL Y CLAMP	2	110	105	80 X 80	Ø 42
IKZ.S.KLP028	TAM EKO Y KAPİTAL ECONOMIC FULL Y CLAMP	2	110	105	80 X 80	Ø 48
IKZ.S.KLP029	TAM EKO Y KAPİTAL ECONOMIC FULL Y CLAMP	2	110	105	80 X 80	Ø 42
IKZ.S.KLP030	TAM EKO Y KAPİTAL ECONOMIC FULL Y CLAMP	2	110	105	80 X 80	Ø 48
IKZ.S.KLP031	TAM EKO Y KAPİTAL ECONOMIC FULL Y CLAMP	2	110	105	Ø 76	Ø 42
IKZ.S.KLP032	TAM EKO Y KAPİTAL ECONOMIC FULL Y CLAMP	2	110	105	Ø 60	Ø 34

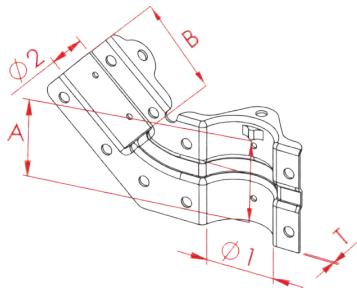
TEKLİ KAPİTAL SINGLE CAPITAL



KOD CODE	MODEL MODEL	KALINLIK THICKNESS	A (MM)	B (MM)	KOLON BAĞLANTI ÖLÇÜSÜ COLOUMN DIAMETER (MM)	MAKAS BAĞLANTI ÖLÇÜSÜ (Ø) ARCH CONNECTION DIAMETER (Ø)
IKZ.S.KLP049	TEKLİ KAPİTAL SINGLE CAPITAL	2	75	75	Ø 60	Ø 42



KOD CODE	MODEL MODEL	KALINLIK THICKNESS	A (MM)	B (MM)	KOLON BAĞLANTI ÖLÇÜSÜ COLOUMN DIAMETER (MM)	MAKAS BAĞLANTI ÖLÇÜSÜ (Ø) ARCH CONNECTION DIAMETER (Ø)
IKZ.S.KLP033	SAĞ EKO Y KAPİTAL ECONOMIC RIGHT Y CLAMP	2	110	105	60 X 60	Ø 27
IKZ.S.KLP034	SAĞ EKO Y KAPİTAL ECONOMIC RIGHT Y CLAMP	2	110	105	60 X 60	Ø 34
IKZ.S.KLP035	SAĞ EKO Y KAPİTAL ECONOMIC RIGHT Y CLAMP	2	110	105	80 X 80	Ø 42
IKZ.S.KLP036	SAĞ EKO Y KAPİTAL ECONOMIC RIGHT Y CLAMP	2	110	105	80 X 80	Ø 48
IKZ.S.KLP037	SAĞ EKO Y KAPİTAL ECONOMIC RIGHT Y CLAMP	2	110	105	80 X 80	Ø 42
IKZ.S.KLP038	SAĞ EKO Y KAPİTAL ECONOMIC RIGHT Y CLAMP	2	110	105	80 X 80	Ø 48
IKZ.S.KLP039	SAĞ EKO Y KAPİTAL ECONOMIC RIGHT Y CLAMP	2	110	105	Ø 76	Ø 42
IKZ.S.KLP040	SAĞ EKO Y KAPİTAL ECONOMIC RIGHT Y CLAMP	2	110	105	Ø 60	Ø 34



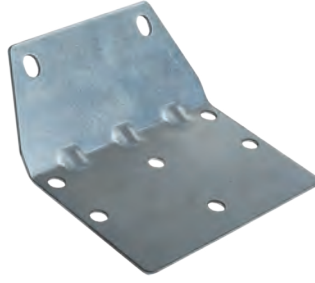
KOD CODE	MODEL MODEL	KALINLIK THICKNESS	A (MM)	B (MM)	KOLON BAĞLANTI ÖLÇÜSÜ COLOUMN DIAMETER (MM)	MAKAS BAĞLANTI ÖLÇÜSÜ (Ø) ARCH CONNECTION DIAMETER (Ø)
IKZ.S.KLP041	SOL EKO Y KAPİTAL ECONOMIC LEFT Y CLAMP	2	110	105	60 X 60	Ø 27
IKZ.S.KLP042	SOL EKO Y KAPİTAL ECONOMIC LEFT Y CLAMP	2	110	105	60 X 60	Ø 34
IKZ.S.KLP043	SOL EKO Y KAPİTAL ECONOMIC LEFT Y CLAMP	2	110	105	80 X 80	Ø 42
IKZ.S.KLP044	SOL EKO Y KAPİTAL ECONOMIC LEFT Y CLAMP	2	110	105	80 X 80	Ø 48
IKZ.S.KLP045	SOL EKO Y KAPİTAL ECONOMIC LEFT Y CLAMP	2	110	105	80 X 80	Ø 42
IKZ.S.KLP046	SOL EKO Y KAPİTAL ECONOMIC LEFT Y CLAMP	2	110	105	80 X 80	Ø 48
IKZ.S.KLP047	SOL EKO Y KAPİTAL ECONOMIC LEFT Y CLAMP	2	110	105	Ø 76	Ø 42
IKZ.S.KLP048	SOL EKO Y KAPİTAL ECONOMIC LEFT Y CLAMP	2	110	105	Ø 60	Ø 34

OLUK ALTI ÇEMBER BİRLEŞTİRME VE DESTEK BAĞLANTI CONNECTION BOTTOM OF THE GUTTER RING AND CLAMP

• örnek montaj sample assembly



IKZ.S.KLP050-51



IKZ.S.KLP054

Makas Bağlantı
Arch Connection

Kolon Bağlantı
Column Connection



OLUK ALTI ÇEMBER BİRLEŞTİRME VE DESTEK BAĞLANTI (YENİ) CONNECTION BOTTOM OF THE GUTTER RING AND CLAMP (NEW)



IKZ.S.KLP052-53



IKZ.S.KLP055

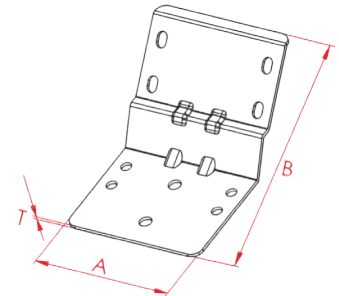
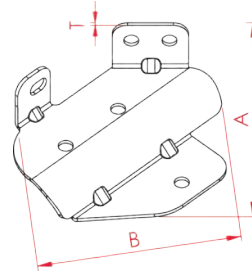
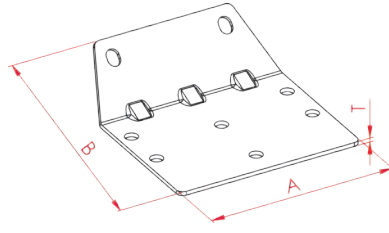
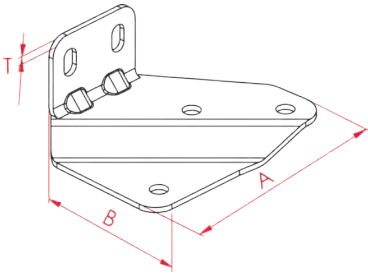
• ürün tanımı product description

Seralarda kolon bağlantı boru veya profillerini makas bağlantı borusuyla birleştiren ve oluğu taşıyan kelepçelerdir. ***iki adet oluk altı çember birleştirme bir adet oluk destek bağlantı elemanı ile takım olmaktadır.**

These are the clamps that connect the column connection pipes or profiles with the arch connection pipe in greenhouses and bear the gutter.

***Two under-groove ring joints are combined with one groove support connection element.**

• teknik özellikler technical specifications



KOD CODE	MODEL MODEL	KALINLIK THICKNESS	A (MM)	B (MM)	BAĞLANTI ÖLÇÜSÜ (Ø) CONNECTION DIAMETER (Ø)
IKZ.S.KLP050	ÇEMBER BİRLEŞTİRME SAĞ CIRCLE JOINT RIGHT	3	117	100	Ø48 - Ø60 - Ø50 - Ø60
IKZ.S.KLP051	ÇEMBER BİRLEŞTİRME SOL CIRCLE JOINT LEFT	3	117	100	Ø48 - Ø60 - Ø50 - Ø60
IKZ.S.KLP052	ÇEMBER BİRLEŞTİRME SAĞ YENİ MODEL CIRCLE JOINT RIGHT NEW MODEL	3	117	100	Ø48 - Ø60 - Ø50 - Ø60
IKZ.S.KLP053	ÇEMBER BİRLEŞTİRME SOL YENİ MODEL CIRCLE JOINT LEFT NEW MODEL	3	117	100	Ø48 - Ø60 - Ø50 - Ø60
IKZ.S.KLP054	DESTEK BAĞLANTI SUPPORT CONNECTION	3	145	145	60 x 60 - 80 x 80
IKZ.S.KLP055	DESTEK BAĞLANTI YENİ MODEL SUPPORT CONNECTION NEW MODEL	3	139	210	60 x 60 - 80 x 80

örnek montaj

sample assembly



Isıtma Borusu
Heating Pipe



ürün tanımı

product description

Seralarda ısıtma borularının altında sehpa olarak kullanılmaktadır.

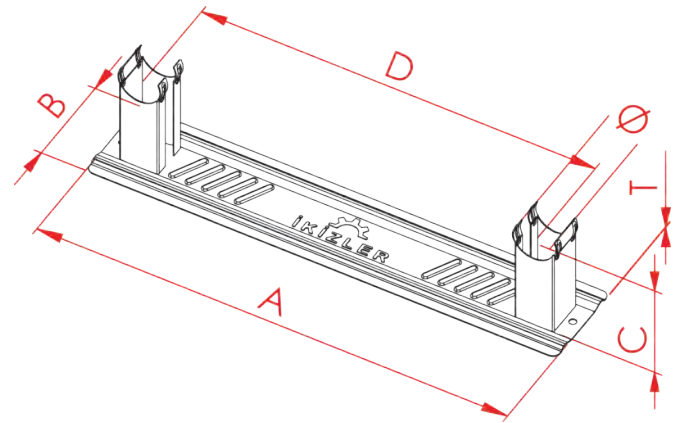
***İki adet kule ve bir adet sehpadan oluşmaktadır. Aksi belirtilmedikçe montajsız olarak satılır.**

It is used as a stand under the heating pipes in greenhouses.

***Consists of two towers and a table. It is sold unassembled unless otherwise stated.**

teknik özellikler

technical specifications

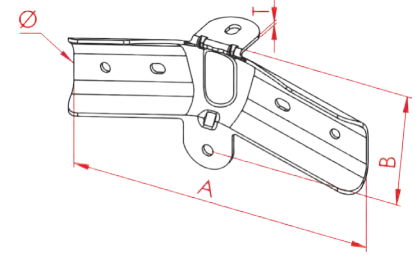


KOD CODE	MODEL MODEL	KALINLIK THICKNESS	A (MM)	B (MM)	C (MM)	D (MM)	BORU ÇAPİ (Ø) HEATING PIPE (Ø)
İKZ.S.KLP187	SPOT AYAĞI PIPE RAIL SUPPORT	1,5	650	122	155	555	Ø 52

TEPE KELEPÇESİ UZUN PEAK CLAMP LONG



• örnek montaj sample assembly



KOD CODE	MODEL MODEL	KALINLIK THICKNESS	A (MM)	B (MM)	BAĞLANTI ÖLÇÜSÜ (Ø) CONNECTION DIAMETER (Ø)
IKZ.S.KLP057	TEPE KELEPÇESİ UZUN TOP CLAMP LONG	3	265	115	Ø 60
IKZ.S.KLP058	TEPE KELEPÇESİ UZUN TOP CLAMP LONG	3	265	115	Ø 50-60

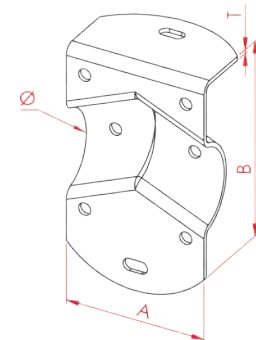
• Ürün tanımı product description

Makas bağlantı borularını tepede birleştiren kelepçelerdir.
This clamps used for bear arch pipes.

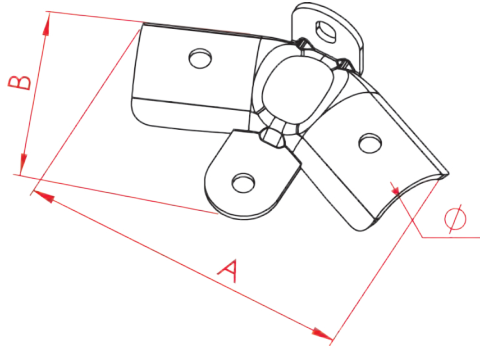
TEPE KELEPÇESİ STANDART PEAK CLAMP STANDARD



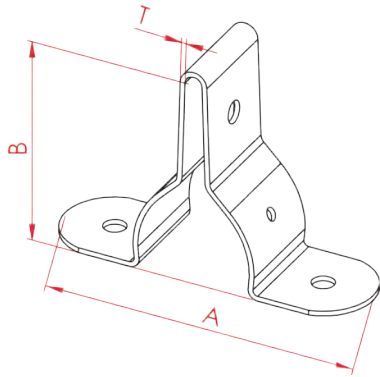
• örnek montaj sample assembly



KOD CODE	MODEL MODEL	KALINLIK THICKNESS	A (MM)	B (MM)	BAĞLANTI ÖLÇÜSÜ (Ø) CONNECTION DIAMETER (Ø)
IKZ.S.KLP059	TEPE KELEPÇESİ STANDART TOP CLAMP STANDARD	2	111	183	Ø 34
IKZ.S.KLP060	TEPE KELEPÇESİ STANDART TOP CLAMP STANDARD	2	111	183	Ø 42
IKZ.S.KLP061	TEPE KELEPÇESİ STANDART TOP CLAMP STANDARD	2	111	183	Ø 48
IKZ.S.KLP062	TEPE KELEPÇESİ STANDART TOP CLAMP STANDARD	2	111	183	Ø 60
IKZ.S.KLP063	TEPE KELEPÇESİ STANDART TOP CLAMP STANDARD	2	111	183	Ø 50-60



KOD CODE	MODEL MODEL	KALINLIK THICKNESS	A (MM)	B (MM)	BAĞLANTI ÖLÇÜSÜ (Ø) CONNECTION DIAMETER (Ø)
IKZ.S.KLP064	TEPE KELEPÇESİ EKO TOP CLAMP ECO	2	160	160	Ø 42
IKZ.S.KLP065	TEPE KELEPÇESİ EKO TOP CLAMP ECO	2	92	130	Ø 48



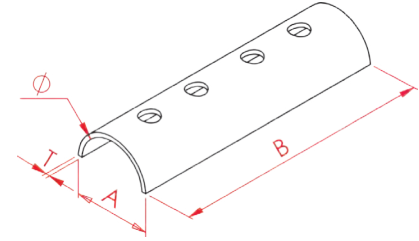
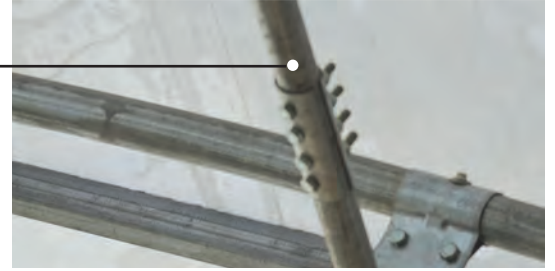
KOD CODE	MODEL MODEL	KALINLIK THICKNESS	BAĞLANTI ÖLÇÜSÜ (Ø) CONNECTION DIAMETER (Ø)
IKZ.S.KLP066	TEPE BAĞLANTI KELEPÇESİ TOP CONNECTION CLAMP	2	Ø 34
IKZ.S.KLP067	TEPE BAĞLANTI KELEPÇESİ TOP CONNECTION CLAMP	2	Ø 42
IKZ.S.KLP068	TEPE BAĞLANTI KELEPÇESİ TOP CONNECTION CLAMP	2	Ø 48

ŞAFT BORU BAĞLANTI KELEPÇESİ CLAMP FOR CONNECTION SHAFT



34'lük Şaft Boru
34' Shaft Pipe

• örnek montaj sample assembly



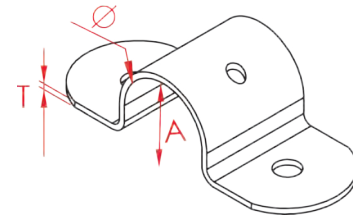
• Ürün tanımı product description

34'lük galvanizli şaft borularının birleştirilmesinde kullanılır.
It is used for joining 34' galvanized shaft pipes.

YARIM DAİRE KELEPÇE HALF ROUND CLAMP

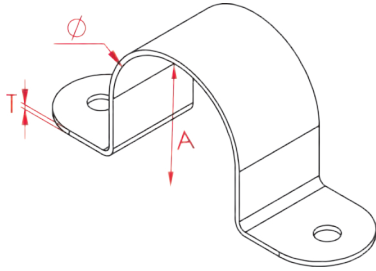


• örnek montaj sample assembly



KOD CODE	MODEL MODEL	KALINLIK THICKNESS	A (MM)	BAĞLANTI ÖLÇÜSÜ (Ø) CONNECTION DIAMETER (Ø)
IKZ.S.KLP072	YARIM DAİRE KELEPÇE HALF ROUND CLAMP	2	12	Ø 27
IKZ.S.KLP073	YARIM DAİRE KELEPÇE HALF ROUND CLAMP	2	15	Ø 34
IKZ.S.KLP074	YARIM DAİRE KELEPÇE HALF ROUND CLAMP	2	20	Ø 42
IKZ.S.KLP075	YARIM DAİRE KELEPÇE HALF ROUND CLAMP	2	23	Ø 48
IKZ.S.KLP076	YARIM DAİRE KELEPÇE HALF ROUND CLAMP	2	29	Ø 60
IKZ.S.KLP077	YARIM DAİRE KELEPÇE HALF ROUND CLAMP	2	36	Ø 76

• **örnek montaj**
sample assembly



• **Ürün tanımı**
product description

Seralarda çelik konstrüksiyon bağlantı kelepçesi olarak kullanılmaktadır.
It is used as steel construction connection clamp in greenhouses



KOD CODE	MODEL MODEL	KALINLIK THICKNESS	A (MM)	BAĞLANTI ÖLÇÜSÜ (Ø) CONNECTION DIAMETER (Ø)
İKZ.S.KLP078	OMEGA KELEPÇE HALF ROUND CLAMP	2	38	Ø 42
İKZ.S.KLP079	OMEGA KELEPÇE HALF ROUND CLAMP	2	44	Ø 48
İKZ.S.KLP080	OMEGA KELEPÇE HALF ROUND CLAMP	2	56	Ø 60
İKZ.S.KLP081	OMEGA KELEPÇE HALF ROUND CLAMP	2	72	Ø 76
İKZ.S.KLP082	OMEGA KELEPÇE HALF ROUND CLAMP	2	56	Ø 50-60

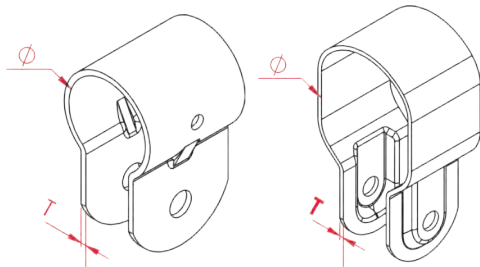
• **örnek montaj**
sample assembly



Ø27, Ø34, Ø42, Ø48, Ø60, Ø76, Ø50-60
Galvanizli Borular
 Ø27, Ø34, Ø42, Ø48, Ø60, Ø76, Ø50-60
 Galvanized Pipes



TAM KELEPÇE
 FULL CLAMP



KOD CODE	MODEL MODEL	KALINLIK THICKNESS	BAĞLANTI ÖLÇÜSÜ (Ø) CONNECTION DIAMETER (Ø)
İKZ.S.KLP084	TAM KELEPÇE FULL CLAMP	2	Ø 27
İKZ.S.KLP085	TAM KELEPÇE FULL CLAMP	2	Ø 34
İKZ.S.KLP086	TAM KELEPÇE FULL CLAMP	2	Ø 42
İKZ.S.KLP087	TAM KELEPÇE FULL CLAMP	2	Ø 48
İKZ.S.KLP088	TAM KELEPÇE FULL CLAMP	2	Ø 60
İKZ.S.KLP089	TAM KELEPÇE FULL CLAMP	2	Ø 76
İKZ.S.KLP090	TAM KELEPÇE FULL CLAMP	2	Ø 50-60

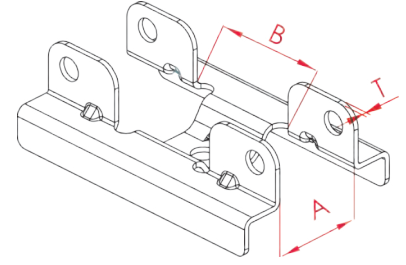
ÇİFTLİ MENTEŞE DOUBLE HINGES



• örnek montaj sample assembly

35'lik Klips Profil
35' Clips Profile

35x35 Galvanizli Profil
35x35 Galvanized Profile

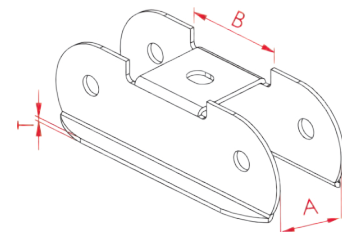


KOD CODE	MODEL MODEL	KALINLIK THICKNESS	A (MM)	B (MM)
IKZ.S.KLP091	ÇİFTLİ MENTEŞE DOUBLE HINGES	2	35x35	35
IKZ.S.KLP092	ÇİFTLİ MENTEŞE DOUBLE HINGES	2	35x35	45

• ürün tanımı product description

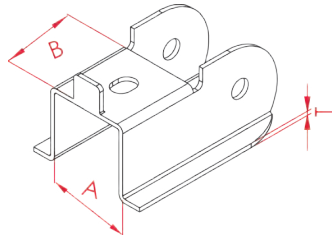
Çift kanatlı tepe havalandırma pencere profillerinin bağlantısında kullanılmaktadır.
It is used for connecting double-wing overhead ventilation window profiles.

ÇİFTLİ MENTEŞE DOUBLE HINGES



KOD CODE	MODEL MODEL	KALINLIK THICKNESS	A (MM)	B (MM)
IKZ.S.KLP093	ÇİFTLİ MENTEŞE DOUBLE HINGES	2	35x35	35
IKZ.S.KLP094	ÇİFTLİ MENTEŞE DOUBLE HINGES	2	35x35	45

• **örnek montaj**
sample assembly

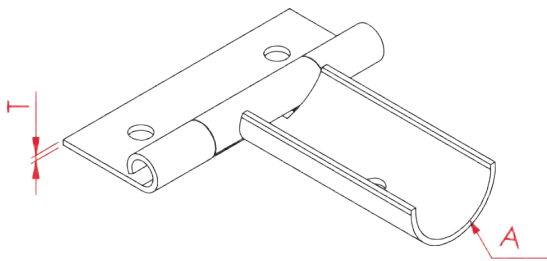


• **ürün tanımı**
product description

Tek kanatlı tepe havalandırma pencere profillerinin bağlantısında kullanılmaktadır.
It is used for connecting single-wing overhead ventilation window profiles.

KOD CODE	MODEL MODEL	KALINLIK THICKNESS	A (MM)	B (MM)
İKZ.S.KLP095	TEKLİ MENTEŞE SINGLE HINGE	2	35	45
İKZ.S.KLP096	TEKLİ MENTEŞE SINGLE HINGE	2	35	45

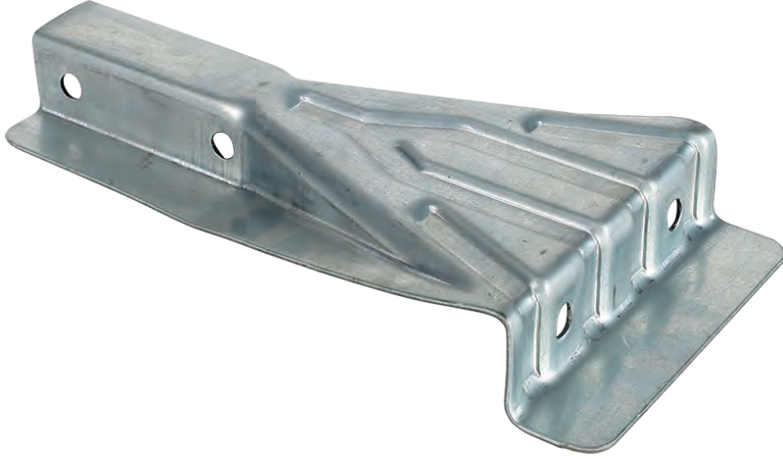
TEKLİ MİLLİ MENTEŞE
 SINGLE SHAFTING HINGE



KOD CODE	MODEL MODEL	KALINLIK THICKNESS	A (MM)
İKZ.S.KLP100	TEKLİ MİLLİ MENTEŞE SINGLE SHAFTING HINGE	2	Ø 27
İKZ.S.KLP101	TEKLİ MİLLİ MENTEŞE SINGLE SHAFTING HINGE	2	Ø 32
İKZ.S.KLP102	TEKLİ MİLLİ MENTEŞE SINGLE SHAFTING HINGE	2	30 X 30
İKZ.S.KLP103	TEKLİ MİLLİ MENTEŞE SINGLE SHAFTING HINGE	2	30 X 40

HAVALANDIRMA KOLU KÖPRÜSÜ

VANTILATION ARM LINK COMPONENT



• örnek montaj

sample assembly

Havalandırma
Pencere Profili
Ventilation
Window Profile



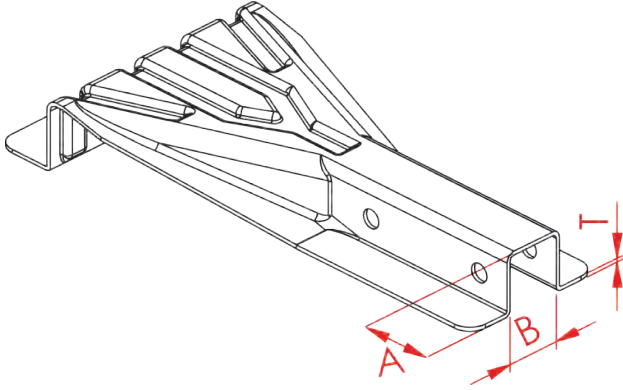
• ürün tanımı

product description

Havalandırma penceresinde kullanılan
profilin bağlantısında kullanılmaktadır.
It is used for connecting the pro-file used in
the ventilation window.

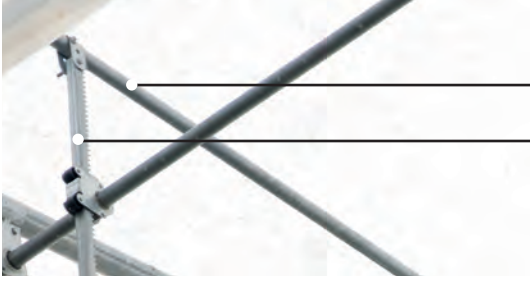
• teknik özellikler

technical specifications



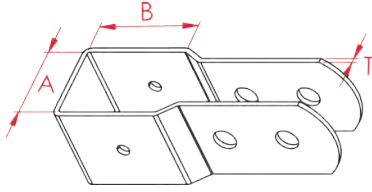
KOD CODE	MODEL MODEL	KALINLIK THICKNESS	BAĞLANTI ÖLÇÜSÜ (Ø) CONNECTION DIAMETER (Ø)
IKZ.S.KLP104	HAVALANDIRMA KOLU KÖPRÜSÜ VANTILATION ARM LINK COMPONENT	2	Ø 27
IKZ.S.KLP105	HAVALANDIRMA KOLU KÖPRÜSÜ VANTILATION ARM LINK COMPONENT	2	Ø 34
IKZ.S.KLP106	HAVALANDIRMA KOLU KÖPRÜSÜ VANTILATION ARM LINK COMPONENT	2	30 X 30
IKZ.S.KLP107	HAVALANDIRMA KOLU KÖPRÜSÜ VANTILATION ARM LINK COMPONENT	2	30 X 40

• **örnek montaj**
sample assembly



Galvanizli Boru ve Profiller
 Galvanized Pipes and Profiles

Kramayer Kolu
 Rack Lever



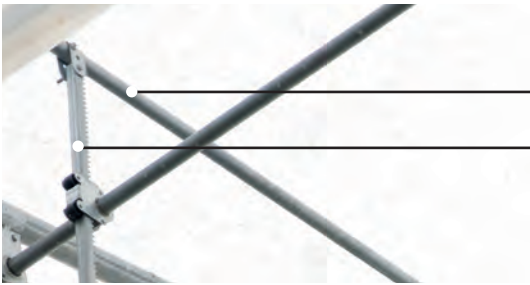
• **ürün tanımı**
product description

Sera tepe pencere havalandırma kramayer kolunun boru veya profillere bağlantısında kullanılır.

It is used for connecting the greenhouse overhead window ventilation rack arm to pipes or profiles.

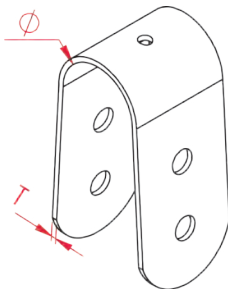
KOD CODE	MODEL MODEL	KALINLIK THICKNESS	A (MM)	B (MM)
İKZ.S.KLP108	KRAMAYER KOLU KELEPÇESİ RACK BAR ARM CLAMP	2	30	30
İKZ.S.KLP109	KRAMAYER KOLU KELEPÇESİ RACK BAR ARM CLAMP	2	35	35
İKZ.S.KLP110	KRAMAYER KOLU KELEPÇESİ RACK BAR ARM CLAMP	2	30	40

• **örnek montaj**
sample assembly



Galvanizli Boru ve Profiller
 Galvanized Pipes and Profiles

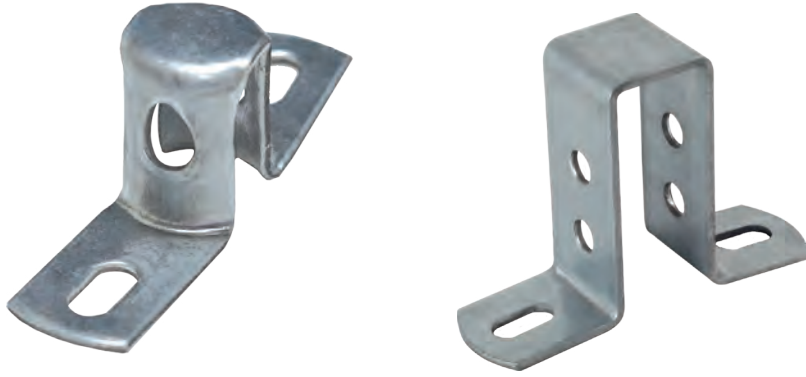
Kramayer Kolu
 Rack Lever



KOD CODE	MODEL MODEL	KALINLIK THICKNESS	BAĞLANTI ÖLÇÜSÜ (Ø) CONNECTION DIAMETER (Ø)
İKZ.S.KLP111	KRAMAYER BORU KELEPÇESİ RACK BAR PIPE ARM CLAMP	2	Ø 27
İKZ.S.KLP112	KRAMAYER BORU KELEPÇESİ RACK BAR PIPE ARM CLAMP	2	Ø 34
İKZ.S.KLP113	KRAMAYER BORU KELEPÇESİ RACK BAR PIPE ARM CLAMP	2	Ø 42

HAVALANDIRMA PROFİLİ UÇ KELEPÇESİ

POLE CLAMP FOR VENTILATION PROFILE

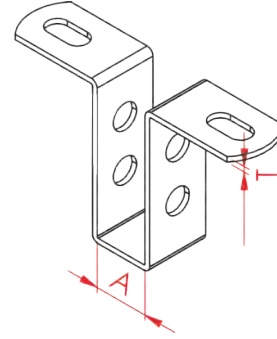


• Ürün tanımı

product description

Tepe havalandırma pencere, boru ve profillerinde uç kelepçesi olarak kullanılmaktadır.

It is used as end clamp in over-head ventilation windows, pipes and profiles.



KOD CODE	MODEL MODEL	KALINLIK THICKNESS	A (MM)	B (MM)	BAĞLANTI ÖLÇÜSÜ (Ø) CONNECTION DIAMETER (Ø)
IKZ.S.KLP114	HAVALANDIRMA PROFİLİ UÇ KELEPÇESİ POLE CLAMP FOR VENTILATION PROFILE	2	24	20	30x30
IKZ.S.KLP115	HAVALANDIRMA PROFİLİ UÇ KELEPÇESİ POLE CLAMP FOR VENTILATION PROFILE	2	24	20	30x50
IKZ.S.KLP116	HAVALANDIRMA PROFİLİ UÇ KELEPÇESİ POLE CLAMP FOR VENTILATION PROFILE	2	24	20	35x35
IKZ.S.KLP117	HAVALANDIRMA PROFİLİ UÇ KELEPÇESİ POLE CLAMP FOR VENTILATION PROFILE	2	24	20	Ø 34

EKLEME APARATLARI

INSERTION ATTACHMENTS



• Ürün tanımı

product description

C profillerde ek parça olarak kullanılmaktadır.

It is used as an additional piece in C profiles.

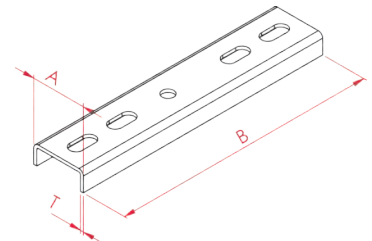
• Örnek montaj

sample assembly

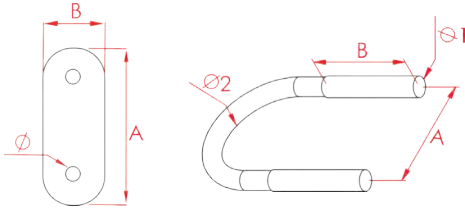
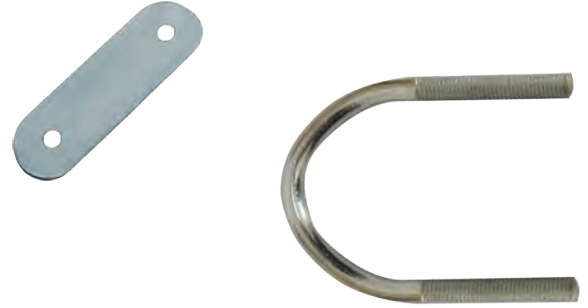
35'lik ve 45'lik
C Profiller
35' and 45' C Profiles



KOD CODE	MODEL MODEL	KALINLIK THICKNESS	A (MM)	B (MM)
IKZ.S.KLP118	EKLEME APARATI INSERTION ATTACHMENTS	2	30	150
IKZ.S.KLP119	EKLEME APARATI INSERTION ATTACHMENTS	2	35	150
IKZ.S.KLP120	EKLEME APARATI INSERTION ATTACHMENTS	2	40	150
IKZ.S.KLP121	EKLEME APARATI INSERTION ATTACHMENTS	2	45	150



• **örnek montaj**
sample assembly



• **ürün tanımı**

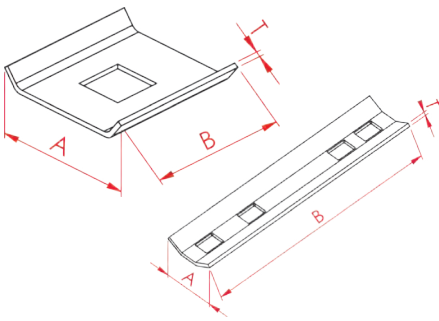
product description

Sera çelik konstrüksiyon sistemlerinde boru veya profillerin bağlantılarında kullanılan kelepçelerdir.

It is used as steel construction connection clamp in greenhouses.

KOD CODE	MODEL MODEL	KALINLIK THICKNESS	ÖZELLİK SPECIFICATION	BAĞLANTI ÖLÇÜSÜ (Ø) CONNECTION DIAMETER (Ø)
İKZ.S.KLP122	U BOLT BAĞLANTI ELEMANI U BOLT CONNECTOR CLAMP	2	M10X160	Ø 34
İKZ.S.KLP123	U BOLT BAĞLANTI ELEMANI U BOLT CONNECTOR CLAMP	2	M10X170	Ø 42
İKZ.S.KLP124	U BOLT BAĞLANTI ELEMANI U BOLT CONNECTOR CLAMP	2	M10X178	Ø 48
İKZ.S.KLP125	U BOLT BAĞLANTI ELEMANI U BOLT CONNECTOR CLAMP	2	M10X230	Ø 60

SKP PULLARI
 SKP WASHERS



KOD CODE	MODEL MODEL	KALINLIK THICKNESS	A (MM)	B (MM)
İKZ.S.KLP126	SKP PULU UZUN SKP WASHERS LONG	2	30	145
İKZ.S.KLP127	SKP PULU UZUN SKP WASHERS LONG	2	28	28
İKZ.S.KLP128	SKP PULU UZUN SKP WASHERS LONG	2	30	30

SACLI PROFİL KELEPÇE

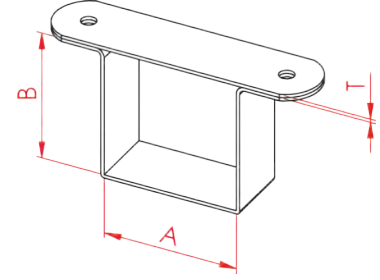
PROFILE CLAMP WITH SHEET METAL



Çeşitli Ölçülerde
Galvanizli Profiller
Galvanized Profiles in
Various Sizes

• örnek montaj

sample assembly



KOD CODE	MODEL MODEL	KALINLIK THICKNESS	A (MM)	B (MM)
IKZ.S.KLP136	SACLI PROFİL KELEPÇE PROFILE CLAMP WITH SHEET METAL	2	40	40
IKZ.S.KLP137	SACLI PROFİL KELEPÇE PROFILE CLAMP WITH SHEET METAL	2	60	60
IKZ.S.KLP138	SACLI PROFİL KELEPÇE PROFILE CLAMP WITH SHEET METAL	2	80	80

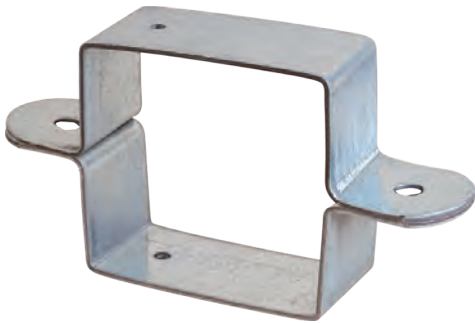
• Ürün tanımı

product description

Seralarda çelik konstrüksiyon bağlantı kelepçesi olarak kullanılmaktadır.
It is used as steel construction connection clamp in greenhouses.

ÇİFTLİ PROFİL KELEPÇESİ

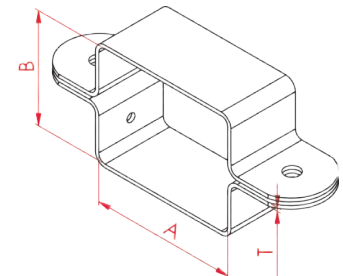
DOUBLE PROFILE CLAMP



Çeşitli Ölçülerde
Galvanizli Profiller
Galvanized Profiles in
Various Sizes

• örnek montaj

sample assembly

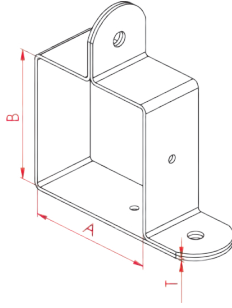


KOD CODE	MODEL MODEL	KALINLIK THICKNESS	A (MM)	B (MM)
IKZ.S.KLP142	ÇİFTLİ PROFİL KELEPÇE DOUBLE PROFILE CLAMP	2	60	60
IKZ.S.KLP143	ÇİFTLİ PROFİL KELEPÇE DOUBLE PROFILE CLAMP	2	80	80

• **örnek montaj**
sample assembly



Çeşitli Ölçülerde
Galvanizli Profiller
Galvanized Profiles in
Various Sizes



• **ürün tanımı**

product description

Seralarda çelik konstrüksiyon bağlantı kelepçesi olarak kullanılmaktadır.
It is used as steel construction connection clamp in greenhouses.

MAKAS YAN KELEPÇESİ
PROFILE TRUSS SIDE CLAMP

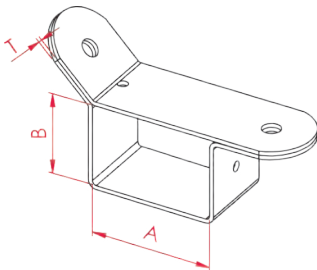


KOD CODE	MODEL MODEL	KALINLIK THICKNESS	A (MM)	B (MM)
İKZ.S.KLP144	MAKAS YAN KELEPÇESİ PROFILE TRUSS SIDE CLAMP	2	40	80
İKZ.S.KLP145	MAKAS YAN KELEPÇESİ PROFILE TRUSS SIDE CLAMP	2	60	60
İKZ.S.KLP146	MAKAS YAN KELEPÇESİ PROFILE TRUSS SIDE CLAMP	2	60	80
İKZ.S.KLP147	MAKAS YAN KELEPÇESİ PROFILE TRUSS SIDE CLAMP	2	80	40
İKZ.S.KLP148	MAKAS YAN KELEPÇESİ PROFILE TRUSS SIDE CLAMP	2	80	80

• **örnek montaj**
sample assembly



Çeşitli Ölçülerde
Galvanizli Profiller
Galvanized Profiles in
Various Sizes



TEK AÇILI PROFİL KELEPÇESİ
SINGLE ANGLE PROFILE CLAMP



KOD CODE	MODEL MODEL	KALINLIK THICKNESS	A (MM)	B (MM)
İKZ.S.KLP156	TEK AÇILI PROFİL KELEPÇE SINGLE ANGLE PROFILE CLAMP	2	40	80
İKZ.S.KLP157	TEK AÇILI PROFİL KELEPÇE SINGLE ANGLE PROFILE CLAMP	2	60	60
İKZ.S.KLP158	TEK AÇILI PROFİL KELEPÇE SINGLE ANGLE PROFILE CLAMP	2	60	80
İKZ.S.KLP159	TEK AÇILI PROFİL KELEPÇE SINGLE ANGLE PROFILE CLAMP	2	80	40
İKZ.S.KLP160	TEK AÇILI PROFİL KELEPÇE SINGLE ANGLE PROFILE CLAMP	2	80	80

RÜZGAR BAĞLANTI KELEPÇESİ WIND CONNECTION CLAMP

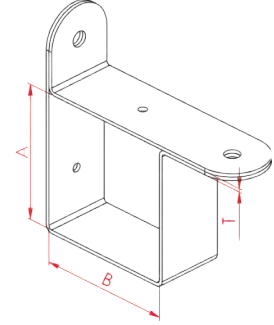


Çeşitli Ölçülerde
Galvanizli Profiller
Galvanized Profiles in
Various Sizes

• örnek montaj sample assembly



KOD CODE	MODEL MODEL	KALINLIK THICKNESS	A (MM)	B (MM)
IKZ.S.KLP161	RÜZGAR BAĞLANTI KELEPÇE WIND CONNECTION CLAMP	2	40	80
IKZ.S.KLP162	RÜZGAR BAĞLANTI KELEPÇE WIND CONNECTION CLAMP	2	60	60
IKZ.S.KLP163	RÜZGAR BAĞLANTI KELEPÇE WIND CONNECTION CLAMP	2	60	80
IKZ.S.KLP164	RÜZGAR BAĞLANTI KELEPÇE WIND CONNECTION CLAMP	2	80	40
IKZ.S.KLP165	RÜZGAR BAĞLANTI KELEPÇE WIND CONNECTION CLAMP	2	80	80



• Ürün tanımı product description

Seralarda çelik konstrüksiyon bağlantı kelepçesi olarak kullanılmaktadır.
It is used as steel construction connection clamp in greenhouses.

PROFİL KÖŞE KELEPÇESİ PROFILE CORNER CLAMP

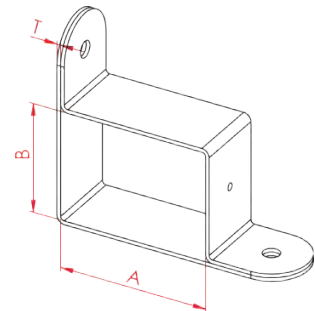


Çeşitli Ölçülerde
Galvanizli Profiller
Galvanized Profiles in
Various Sizes

• örnek montaj sample assembly



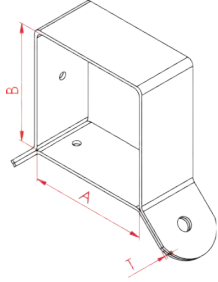
KOD CODE	MODEL MODEL	KALINLIK THICKNESS	A (MM)	B (MM)
IKZ.S.KLP166	PROFİL KÖŞE KELEPÇE PROFILE CORNER CLAMP	2	40	80
IKZ.S.KLP167	PROFİL KÖŞE KELEPÇE PROFILE CORNER CLAMP	2	60	60
IKZ.S.KLP168	PROFİL KÖŞE KELEPÇE PROFILE CORNER CLAMP	2	60	80
IKZ.S.KLP169	PROFİL KÖŞE KELEPÇE PROFILE CORNER CLAMP	2	80	40
IKZ.S.KLP170	PROFİL KÖŞE KELEPÇE PROFILE CORNER CLAMP	2	80	80



• **örnek montaj**
sample assembly



Çeşitli Ölçülerde
 Galvanizli Profiller
 Galvanized Profiles in
 Various Sizes



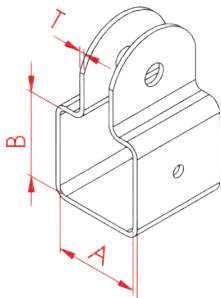
• **Ürün tanımı**

product description

Seralarda çelik konstrüksiyon bağlantı kelepçesi olarak kullanılmaktadır.
 It is used as steel construction connection clamp in greenhouses.

KOD CODE	MODEL MODEL	KALINLIK THICKNESS	A (MM)	B (MM)
İKZ.S.KLP171	ÇİFT AÇILI PROFİL KELEPÇE DOUBLE ANGLE PROFILE CLAMP	2	40	80
İKZ.S.KLP172	ÇİFT AÇILI PROFİL KELEPÇE DOUBLE ANGLE PROFILE CLAMP	2	60	60
İKZ.S.KLP173	ÇİFT AÇILI PROFİL KELEPÇE DOUBLE ANGLE PROFILE CLAMP	2	60	80
İKZ.S.KLP174	ÇİFT AÇILI PROFİL KELEPÇE DOUBLE ANGLE PROFILE CLAMP	2	80	40
İKZ.S.KLP175	ÇİFT AÇILI PROFİL KELEPÇE DOUBLE ANGLE PROFILE CLAMP	2	80	80

• **örnek montaj**
sample assembly

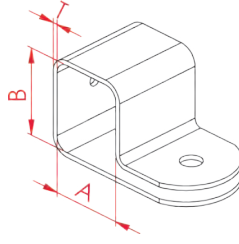


PROFİL TAM KELEPÇE
 PROFILE FULL CLAMP



KOD CODE	MODEL MODEL	KALINLIK THICKNESS	A (MM)	B (MM)
İKZ.S.KLP176	PROFİL TAM KELEPÇE PROFILE FULL CLAMP	2	35	35
İKZ.S.KLP177	PROFİL TAM KELEPÇE PROFILE FULL CLAMP	2	40	40
İKZ.S.KLP178	PROFİL TAM KELEPÇE PROFILE FULL CLAMP	2	40	80
İKZ.S.KLP179	PROFİL TAM KELEPÇE PROFILE FULL CLAMP	2	60	60
İKZ.S.KLP180	PROFİL TAM KELEPÇE PROFILE FULL CLAMP	2	80	80

D PROFİL KELEPÇE D PROFILE CLAMP



örnek montaj sample assembly



KOD CODE	MODEL MODEL	KALINLIK THICKNESS	A (MM)	B (MM)
IKZ.S.KLP181	D PROFİL KELEPÇE D PROFILE CLAMP	2	35	35
IKZ.S.KLP182	D PROFİL KELEPÇE D PROFILE CLAMP	2	80	80

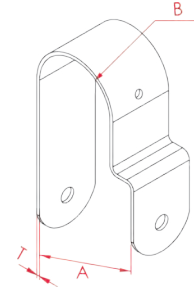
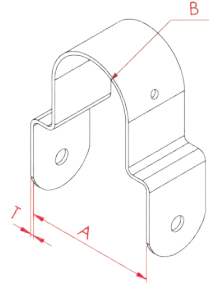
BORU-PROFİL KELEPÇE PIPE-PROFILE CLAMP



IKZ.S.KLP183



IKZ.S.KLP184



KOD CODE	MODEL MODEL	KALINLIK THICKNESS	A (MM)	B (MM)
IKZ.S.KLP183	BORU-PROFİL KELEPÇE PIPE-PROFILE CLAMP	2	80X80	Ø60
IKZ.S.KLP184	BORU-PROFİL KELEPÇE PIPE-PROFILE CLAMP	2	80X80	Ø60

80X80 PROFİL BAĞLAMA KELEPÇESİ 80X80 PROFILE CLAMPING CLAMP



KOD CODE	MODEL MODEL	KALINLIK THICKNESS	PROFİL ÖLÇÜSÜ PROFILE FEATURES (MM)
IKZ.S.KLP204	PROFİL KELEPÇESİ PROFILE CLAMP	2	80X80

80X140 KOLON KAFA ÇAPRAZI 80X140 COLUMN HEAD CROSS



KOD CODE	MODEL MODEL	KALINLIK THICKNESS	BAĞLANTI ÖLÇÜSÜ CONNECTION DIAMETER (Ø)
IKZ.S.KLP188	KOLON KAFA ÇAPRAZI COLUMN HEAD CROSS	3	80X140
IKZ.S.KLP189	KOLON KAFA ÇAPRAZI SAĞ COLUMN HEAD CROSS RIGHT	3	60X60
IKZ.S.KLP190	KOLON KAFA ÇAPRAZI SOL COLUMN HEAD CROSS LEFT	3	60X60

• **örnek montaj**
sample assembly



• **ürün tanımı**
product description

Sera naylon montajında kullanılan profildir.
It is the profile used in greenhouse nylon assembly.

• **örnek montaj**
sample assembly



• **ürün tanımı**
product description

Sera naylon montajında kullanılan plastik klips.
Plastic clip used in greenhouse nylon assembly.

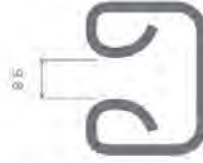
• **örnek montaj**
sample assembly



• **ürün tanımı**
product description

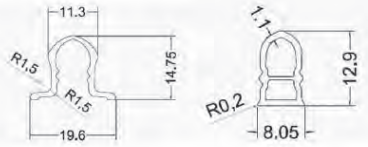
Sera naylonunu şişirmede kullanılan plastik aparat.
Plastic apparatus used for inflating greenhouse nylon.

SERA NAYLON KLİPS PROFİLİ
GREENHOUSE NYLON CLIP PROFILE



KOD CODE	MODEL MODEL	KALINLIK THICKNESS	PROFİL ÖZELLİKLERİ PROFILE FEATURES
İKZ.S.KLP201	SERA NAYLON KLİPS PROFİLİ GREENHOUSE NYLON CLIPS PROFILE	2	20'LİK

SERA NAYLON KLİPSİ
GREENHOUSE NYLON CLIP



KOD CODE	MODEL MODEL	KALINLIK THICKNESS	KLİPS ÖZELLİKLERİ CLIP FEATURES
İKZ.S.KLP202	SERA NAYLON KLİPSİ GREENHOUSE NYLON CLIPS	2	20'LİK

SERA NAYLONU ŞİŞİRME APARATI
GREENHOUSE NYLON INFLATOR



KOD CODE	MODEL MODEL	KALINLIK THICKNESS
İKZ.S.KLP203	SERA NAYLONU ŞİŞİRME APARATI GREENHOUSE NYLON INFLATOR	2

OLUK DRENAJ KAPAĞI GUTTER DRAIN COVER



KOD CODE	MODEL MODEL
İKZ.S.KLP192	OLUK DRENAJ KAPAĞI PLASTİK GUTTER DRAIN COVER PLASTIC

• örnek montaj sample assembly



• Ürün tanımı product description

Seralarda gutter sistemlerinin su tahliyesi ve oluk kapakları olarak kullanılmaktadır.
It is used as water discharge and gutter cover for gutter systems of greenhouses.

OLUK DRENAJ KAPAĞI GUTTER DRAIN COVER



KOD CODE	MODEL MODEL
İKZ.S.KLP195	OLUK DRENAJ KAPAĞI PLASTİK GUTTER DRAIN COVER PLASTIC

PLASTİK KLİPS PLASTIC CLIPS



KOD CODE	MODEL MODEL
İKZ.S.KLP197	21'LİK PLASTİK KLİPS PLASTIC CLIP
İKZ.S.KLP198	27'LİK PLASTİK KLİPS PLASTIC CLIP
İKZ.S.KLP199	34'LÜK PLASTİK KLİPS PLASTIC CLIP
İKZ.S.KLP200	42'LİK PLASTİK KLİPS PLASTIC CLIP

OLUK TAHLİYESİ BÜYÜK LARGE GUTTER DRAIN



KOD CODE	MODEL MODEL
İKZ.S.KLP193	OLUK TAHLİYESİ BÜYÜK PLASTİK LARGE GUTTER DRAIN

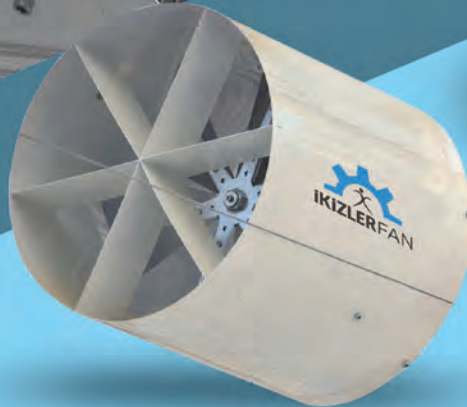
OLUK TAHLİYESİ KÜÇÜK SMALL GUTTER DRAIN



KOD CODE	MODEL MODEL
İKZ.S.KLP196	OLUK TAHLİYESİ KÜÇÜK PLASTİK SMALL GUTTER DRAIN

HAVALANDIRMA FANLARI VENTILATION FANS


iKIZLERFAN



SİRKÜLASYON FANI

CIRCULATION FAN

• ürün tanımı

product description

Seralarda gerekli iklimlendirmenin sağlanabilmesi için en önemli hususlardan birisi de içerideki havanın sirküle edilebilmesidir. Seralara takılan fanlarla bitki için gerekli havanın daha homojen dağılması sağlanır. Sirkülasyon fanlarımız 5890m³/saat, 7400m³/saat, 8900m³/saat seçenekleriyle seralar için gerekli iklim koşulunu oluşturur. Sirkülasyon fanlarımızda 0,37 elektrik motoru kullanılmaktadır.

Düşük enerji kullanımı ve sessiz çalışma özelliğiyle en yüksek verim elde edilir.

İstenilen nem değerlerine göre havanın nemi %95'lere kadar çıkarılabilmekte veya nemli hava dışarı atılarak ortamın serinletilmesi sürdürülebilmektedir. Düşen sıcaklıkla birlikte, çalışma ortamı ve bitkinin yetişmesi için daha uygun şartlar oluşturulduğundan fire oranı azalmakta ve verimlilik artmaktadır.

One of the most important problems in providing the required air conditioning in the greenhouses is the circulation of air inside. The air required for the system is distributed more homogeneously with the fans installed in the greenhouses. Our circulation fans create the necessary climatic conditions for greenhouses with options of 5890 m³ / h, 7400 m³ / h, 8900 m³ / h. Electric motors with 0,37 are used in our circulation fans.

The highest efficiency is achieved with low energy consumption and silent operation.

According to the desired humidity levels, the air humidity can be increased up to 95% or the environment can be further cooled by expelling the humid air. As the temperature decreases, more suitable conditions for the working environment and plant growth are created, reducing the waste rate and increasing productivity.



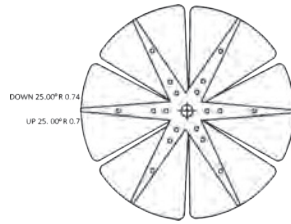
• örnek montaj

sample assembly

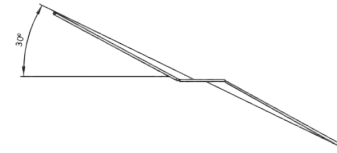


• teknik özellikler

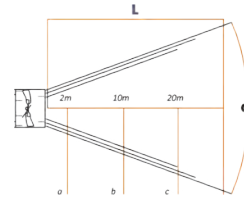
technical specifications



Fan A Açısı
Fan A Angle



Kanat Açısı
Wing Angle



Debi Değerler
Flow Values

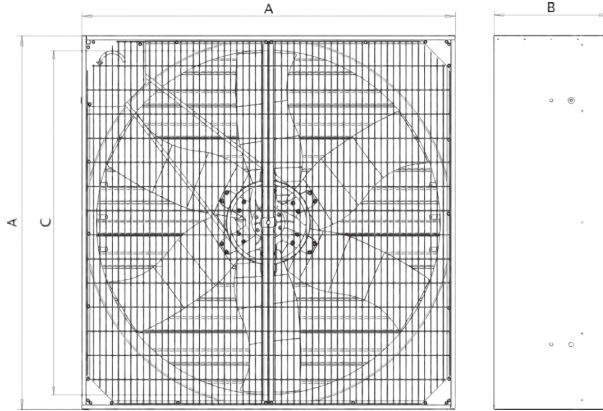
KOD CODE	MODEL MODEL	VOLTAJ VOLTAGE	GÜÇ POWER	AKIM CURRENT	DEVİR CIRCUIT	DEBİ FLOW
İKZ.S.FAN001	SİRKÜLASYON FANI 5890 CIRCULATION FAN 5890	380 V	0,18 kW	0,60	1400 RPM	5.890 M ³ /SA (HR)
İKZ.S.FAN002	SİRKÜLASYON FANI 7400 CIRCULATION FAN 7400	380 V	0,37 kW	0,80	1400 RPM	7.400 M ³ /SA (HR)
İKZ.S.FAN003	SİRKÜLASYON FANI 8900 CIRCULATION FAN 8900	380 V	0,37 kW	1,10	1400 RPM	8.900 M ³ /SA (HR)



• Ürün tanımı

product description

- Havalandırma fan gövdeleri ve kanatları galvanizli çelik sacdan üretilmektedir
- Kanat yapımız kuvveti ve verimliliği arttırmak için özel bir kavise sahiptir.
- Enerji tasarrufu sağlayacak şekilde üretilmiştir.
- Fanlar sahip oldukları motor - kayış kasnak sistemi ile sessiz bir şekilde çalışırlar.
- Panjurlar fan çalışırken açılır, fan çalışması durduğunda kapanır.
- Özel olarak yapılmış koruma teli fanların arka kısmındadır.
- Fanlar dış çerçevelerinde bulunan vidalarla duvara monte edilmektedir.
- Fanlar havalandırma sorunları bulunan bütün kapalı alanlarda kümes hayvanları çiftliklerinin havalandırma ve soğutulmasında, sığır ahırlarının havalandırma ve soğutulmasında, mantar üretim tesisleri, sebze seralarında ve fabrika - atölye vb. çalışma ortamlarında bulunan gaz, duman, toz ve kötü kokuların dışarı atılmasında kullanılmaktadırlar.



- The main bodies and wings of ventilation fans are made of galvanized steel sheet.
- Our wing structure has unique curves which increase power and efficiency
- Silent running due to special motor structure
- Designed to ensure energy saving
- The blinds of the fans automatically open as the fan starts and close as the fans stop
- They have special desing protection wire at the back side. They can be installed on the Wall by using screws which are given at the external frame of the fans
- Areas of Usage: In all closed areas having ventilation problems; For ventilating and cooling of poultry farms, For ventilating and cooling cattle stables, For ventilating and cooling green houses, For clearing away the gas, smoke, dust, odour, etc. in factories, workshop and similar places.

• teknik özellikler

technical specifications

KOD CODE	MODEL MODEL	VOLTAJ VOLTAGE	GÜÇ POWER	DEVİR CIRCUIT	DEBİ FLOW	A (MM)	B (MM)
İKZ.S.FAN005	PANJURLU HAVALANDIRMA FANI 100X100 SHUTTER VENTILATION FAN 100X100	380 V	0,75 kW	1140 RPM	22.500 M ³ /SA (HR)	1000	400
İKZ.S.FAN006	PANJURLU HAVALANDIRMA FANI 138x138 SHUTTER VENTILATION FAN 138X138	380 V	1,10 kW	1440 RPM	44.500 M ³ /SA (HR)	1380	400



• **örnek montaj**
sample assembly



• **kullanım alanları**
usage areas

- Seralar
- Hayvan Çiftlikleri
- Depolama Alanları
- * Greenhouses
- * Animal Farms
- * Storage Spaces



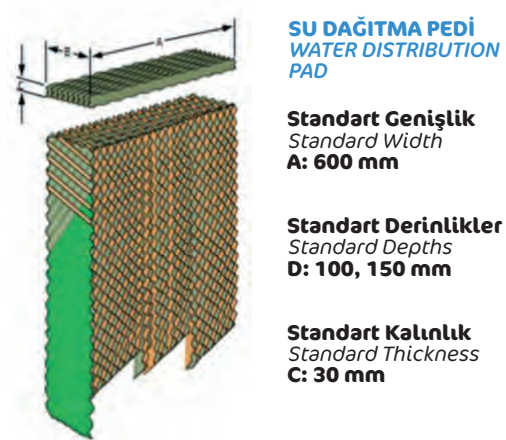
7090 Tipi Greenpad
7090 Type Greenpad



5090 Tipi Greenpad
5090 Type Greenpad

• **ürün tanımı**
product description

Evaporatif soğutmanın en temel parçası olan Greenpad su sirkülasyonu sağlanarak sürekli olarak ıslak tutulur. Sıcak ve kuru hava bir fan vasıtasıyla ıslak pedin içinden geçer. Bu geçiş sırasında hava ile su arasında ısı transferi olur. Serin ve nemli hava soğutulmak istenen ortama verilir. Greenpad, which is the most basic part of evaporative cooling, is kept wet continuously by providing water circulation. Hot and dry air passes through the wet pad by means of a fan. During this transition, heat transfer occurs between air and water. Cool and humid air is released to the environment to be cooled.



BORU BÜZME MAKİNESİ VE SERA KALIPLARI *PIPE SHRINKING MACHINE AND GREENHOUSE MOLDS*



BORU BÜZME MAKİNESİ PIPE SHRINKING MACHINE



• örnek montaj sample assembly

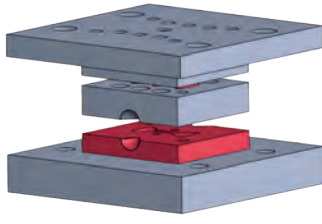


• ürün tanımı product description

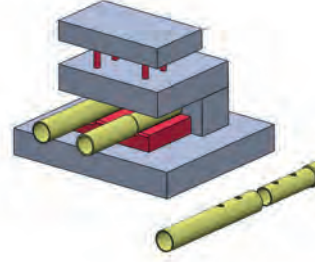
Sera sektöründe boruların uçlarının büzülerek istenilen ölçüde düşürmeye yarayan makinelerdir.
They are machines that are used to shrink the ends of the pipes in greenhouses and reduce them to the desired size.

• teknik özellikler technical specifications

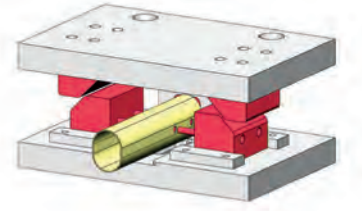
	0 TUR 0 TURNS	1 TUR 1 TURNS ↻	2 TUR 2 TURNS ↻	3 TUR 3 TURNS ↻	4 TUR 4 TURNS ↻	5 TUR 5 TURNS ↻	6 TUR 6 TURNS ↻	7 TUR 7 TURNS ↻
15 (1/8"-3/16")	15	16	17	18	19	-	-	-
18 (1/4")	18	19	20	21	22	-	-	-
21 (5/16"-3/8")	21	22	23	24	25	-	-	-
24 (1/2")	24	25	26	27	28	-	-	-
27 (5/8")	27	28	29	30	31	32	-	-
33 (3/4")	33	34	35	36	37	38	-	-
39 (1")	39	40	41	42	43	44	-	-
45 (1 3/8)	45	46	47	48	49	50	-	-
51 (1 1/4)	51	52	53	54	55	56	-	-
57 (1 1/2)	57	58	59	60	61	62	63	64
66 (2")	66	67	68	69	70	71	72	73
MASTERDIES	105	106	107	108	109	110	111	112



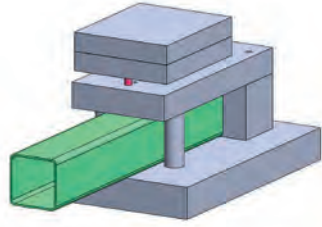
- **boru ezme delme kalıbı**
pipe shrinking drilling mold



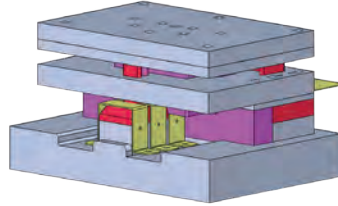
- **32'lik ve 28'lik şaft boru delme kalıbı**
32' and 28' shank pipe drilling mold



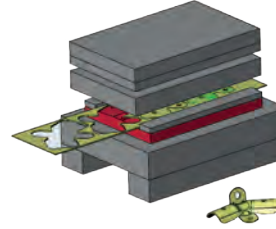
- **50x64 oval boru delme kalıbı**
50x64 oval pipe drilling mold



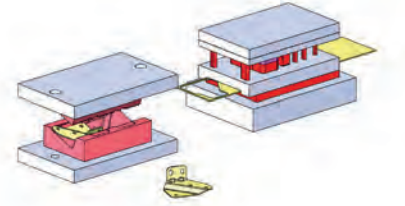
- **80x80 ankaraj kalıbı**
80x80 anchor mold



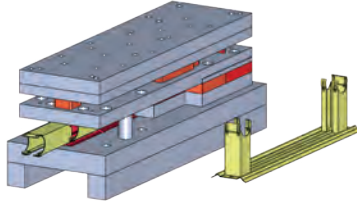
- **80x80 kelepçe progresif kalıbı**
80x80 clamp progressive mold



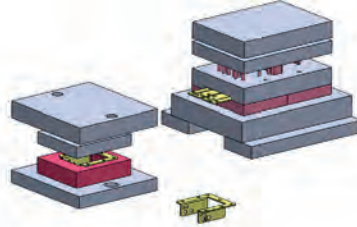
- **eko tepe kelepçe kalıbı**
eco top clamp mold



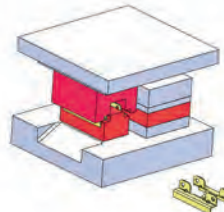
- **kapital sağ-sol büküm kesme kalıbı**
capital right-left twist cutting mold



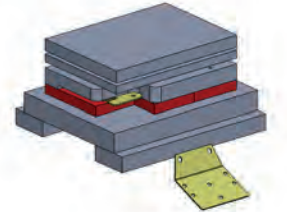
- **ısıtma borusu kulesi kalıbı**
heating pipe holder mold



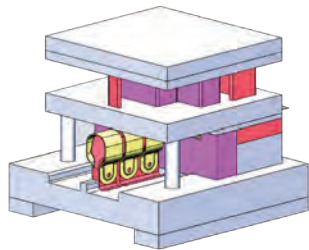
- **makara kalıbı**
reel mold



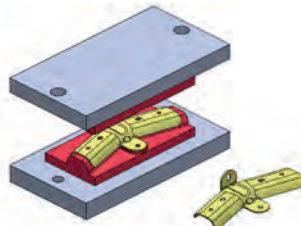
- **menteşe kalıbı**
hinge mold



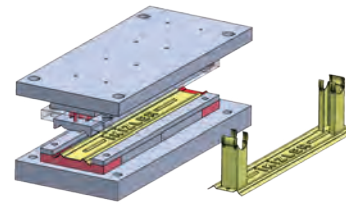
- **oluk altı kapital kalıbı**
under-gutter capital mold



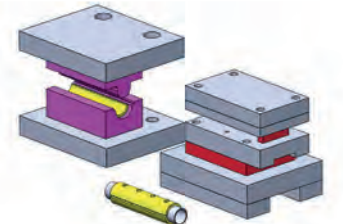
- **50x60 oval kelepçe kalıbı**
50x60 oval clamp mold



- **50x63 tepe kelepçe uzun kalıbı**
50x63 top clamp long mold



- **spot ayağı kalıbı**
rail pipe support mold



- **şaft boru bağlantı kelepçesi kalıbı**
shaft pipe connection clamp mold



İKİZLER KALIP-SERA MOLD AND GREENHOUSE



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