



DİNAMİK
TRANSMİSYON ZİNCİR TİC. SAN. A.Ş.



ZİMAŞ

1976'dan bu yana..



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ZİMAŞ A.Ş. 1976 yılında, Türk Sanayisinin ihtiyacı olan, tahrik, konveyör ve taşıyıcı zincirler üzere kurulmuştur. Kuruluşumuz standart zincirlerin üretimi yanı sıra özel zincir üretimini de yapmaktadır. Çeşitli sektörlerde kullanılan ve şimdiki kadar ürettiğimiz özel zincirlerin çeşidi 3000 adedi geçmiştir.

Kuruluşundan bu yana firmamızın üretim hacmi, üretim çeşitleri ve üretim kalitesi devamlı artış göstererek bugünkü ileri seviyeye gelmiş ve Avrupa'da bu konuda üretim yapan firmaların teknolojik seviyesine ulaşmıştır. Son zamanlarda yapılan, en yeni teknolojik yatırımlarla, makina parkı ve üretim teknolojisini geliştirmiş olan fabrikamız, rakiplerini gipta ettirecek şekilde konusunda Avrupa'da entegre olmuş firmalar arasında yerini almıştır.

Halen 15.000 m.² kapalı alanda faaliyet gösteren **ZİMAŞ A.Ş.** 220 kişilik personeli ile Türk Sanayisinin hizmetine devam etmektedir. Firmamız Sanayiye hizmeti birinci prensip olarak kabul etmiştir. Üretim konuları sektörel bazda ekte belirtilmiştir.

ZİMAŞ A.Ş. wurde nach bedarf der türkischen Industrie als Kettenhersteller im Jahre 1976 in Bursa gegründet. Neben der Standard-Rollenketten Fertigung werden auch Spezial- Ketten gefertigt. Unser Fertigungsprogramm umfasst bis heute ungefähr 3000 verschiedene Arten von Spezial - Ketten. Unsere Produkte entsprechenden Internationalen Standard. z.B.DIN, EN und ISO Normen. Jede Produktionsstufe wird bei uns einer sorgfältigen Kontrolle unterzogen. Unser Qualitätswesen verbessert sich von Tag zu Tag.

Durch unsere ausgereifte Technologis und das hohe Qualitätsniveau, verbunden mit ausreichender Kapazität, sind wir in der Lage, im Wettbewerb auf den Weltmarkt zu bestehen.

Zurzeit verfügen wir eine geschlossene Halle von 15.000 m.² mit 220 Mitarbeiter.
Unsere Produkte werden hauptsächlich von folgenden Industriezweigen angewendet.

ZİMAŞ INC. was founded in 1976 in order to meet the drive roller, conveyor and carrier chain needs of the Turkish Industry then. In time the factory began to produce other kinds of chains in addition to the above. The kinds so far have gone well over 3000.

Continuously growing in size, in product variety and quality since its foundation, the firm has reached its advanced level of today, technologically competitive with the firms of its kind in Europe.

The factory has also updated its machine park and improved its production standards via the recent modern technological investments and establish a sound place amongst its enviable contemporaries in Europe.

With a 15.000 square meter covered area and with its 220 workers, **ZİMAŞ INC.** feels proud to serve the Turkish Industry and it considers this as its most fundamental principle.

The production areas on sectoral basis are follows.



SERİ ÜRETİMLERİMİZ

- Bisklet ve motosiklet zincirleri
- Otomobil eksantrik zincirleri
- Ziraat makineleri zincirleri
- Makaralı zincirler DIN 8187

- Fabrad und Motorradketten
- Auto Exzentrischketten
- Landmaschinenketten
- Rollenketten nach DIN 8187

- Bicycle and motorcycle chains
- Car eccentric chains
- Agricultural chains
- DIN 8187 Roller chains

SERİEN FERTIGUNG

- Makaralı zincirler DIN 8188
- PIV Varyatör zincirleri
- Fleyer zincirler

- Rollenketten nach DIN 8188
- PIV Varyatörketten
- Fleyerketten

- DIN 8188 Roller chains
- PIV chains
- Leaf chains

SERIAL PRODUCTION

ÖZEL ÜRETİMLERİMİZ

- Konserve fabrikaları
- Cimento fabrikaları
- Şeker fabrikaları
- Demir - Çelik üreten fabrikalara

- Konserven fabrikaları
- Zement fabrikaları
- Zucker fabrikaları
- Schmied Stahlproduzierende fabrikaları

- Canned food factories
- Cement factories
- Sugar factories
- Iron and steel factories

SONDER FERTIGUNG

- Ağaç işleme fabrikaları
- Makarna üretim fabrikaları
- Mesrubat sanayi
- İş makineleri

- Arbelmaschinen
- Baumverarbeitungs fabrikaları
- Nudelproduktions fabrikaları
- Getränke industrie

- Wood industry machines
- Food industry
- Drinks industry
- Service machines

SPECIAL PRODUCTION

- Beyaz esya üreten fabrikalar
- Tekstil fabrikaları
- Lastik üretim fabrikaları
- Otomobil fabrikaları

- Elektro industrie
- Tekstil fabrikaları
- Gummiprofil fabrikaları
- Automobil industrie

- Electrical appliances
- Textile factories
- Car factories
- Tyre factories

DIN NORMUNA GÖRE ÜRETİMLERİMİZ

- DIN 8187 Makaralı zincirler
- DIN 8188 Makaralı zincirler
- DIN 8187 Kulaklı zincirler
- DIN 8187 Pim göknlü zincirler
- DIN 8187 Pim makaralı zincirler
- DIN 8185 Pim makaralı zincirler
- DIN 8189 Ziraat zincirleri

- DIN 8187 Rollenketten
- DIN 8188 Rollenketten
- DIN 8187 Rollenketten mit winkel
- DIN 8187 Rollenketten mit verlängerten bolzen
- DIN 8187 Hohlbolzenketten
- DIN 8185 Hohlbolzenketten
- DIN 8189 Landmaschinenketten

- DIN 8187 Roller chains
- DIN 8188 Roller chains
- DIN 8187 Attachment chains
- DIN 8187 Roller chains with extended pin
- DIN 8187 Hollow pin chains
- DIN 8185 Hollow pin chains
- DIN 8189 Agricultural roller chains

KETTEN PRODUKTION NACH DIN NORM

- DIN 8187 Yana yayılan zincirler
- DIN 8187 Paslanmaz zincirler
- DIN 8187 Diştan makaralı zincirler
- DIN 8187 Lastik kaplamalı zincirler
- DIN 8181 Uzun bakıtlı zincirler
- DIN 8152 Fleyer zincirler
- Meşşe lipi zincirler
- PIV Varyatör zincirleri

- DIN 8187 Selenbogenketten
- DIN 8187 Rostfrei Rollenketten
- DIN 8187 Stauförderketten
- DIN 8187 Rollenketten mit gummi profil
- DIN 8181 Langglied Rollenketten
- DIN 8152 Fleyerketten
- Schärferbandketten
- PIV Varyatörketten

- DIN 8187 Side bow chains
- DIN 8187 Stainless steel roller chains
- DIN 8187 Chains with out boards rollers
- DIN 8187 Roller chains with rubber profil
- DIN 8181 Extended pitch roller chains
- DIN 8152 Leaf chains
- Slat band chains
- PIV Chains

THE DEFINE OF CHAINS TO DIN NORM

- DIN 8164 Sabit burçlu zincirler
- DIN 8182 Api (Rotary) zincirler
- DIN 8150 Gall zincirler
- DIN 8165 Förderyer zincirler
- DIN 8167 Förderyer zincirler
- DIN 8165 Kazıyıcı zincirler
- DIN 8165 Taşıyıcı kulaklı zincirler
- DIN 8165 Eksantrik bakıtlı zincirler

- DIN 8164 Buchsenketten
- DIN 8182 Rotaryketten
- DIN 8150 Gallketten
- DIN 8165 Förderyerketten
- DIN 8167 Förderyerketten
- DIN 8165 Tragförderketten
- DIN 8165 Tragförderketten mit winkel
- DIN 8165 Tragförderketten

- DIN 8164 Bush chains
- DIN 8182 Rotary chains
- DIN 8150 Galle chains
- DIN 8165 Conveyor chains
- DIN 8167 Conveyor chains
- DIN 8165 Scraper chains
- DIN 8165 Attachment conveyor chains
- DIN 8165 Deep link chains

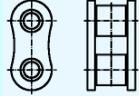


Tanımlama

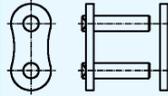
Bezeichnung

Description

Blok

Innenglied
inner link

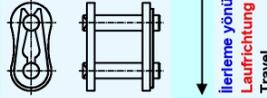
Çatal

Außenglied
Outer Link

Segmanlı kilit

Verbindungsglied mit feder

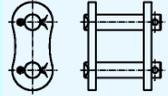
Connecting link with spring clip



Gupilyalı kilit

Verbindungsglied mit splint

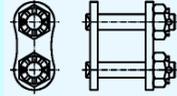
Connecting link with split-pins



Somunlu kilit

Verbindungsglied mit kronenmutter

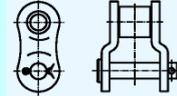
Connecting link with castellated nut and split-pins



Gupilyalı yarımek kilit

Gekröpftes glied mit splintverschluß

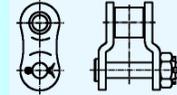
Cranked link with split-pin



Somunlu yarımek kilit

Gekröpftes glied mit schraubverschluß

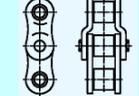
Cranked link with castellated nut and split-pin



Bloklı yarımek

Gekröpftes doppelglied

Cranked double link



Segman

Feder

Spring clip



Bulunduğu Yer

Lieferbar Für

Available For

Makaralı , sabit burçlu ve fördeler zincirlerde

alle Rollen, Buchsen und Förderketten

All Roller, bush and conveyor chains

Makaralı , sabit burçlu ve fördeler zincirlerde

alle Rollen, Buchsen und Förderketten

All Roller, bush and conveyor chains

Makaralı zincirler dahil No: 20 B1 / 16 A1 kadar.
Uzun baklalı zincir No: 208 BRollenketten bis einschließlich
Nr. 20 B1 / 16 A1
Langgliedrollenkette Nr.208 BRoller chains up to and including
No. 20 B1 / 16 A1, extended pitch roller chain
No. 208 BMakaralı zincir No: 20 B1 / 20 A1 Uzun baklalı
No: 210 B ve üstü, Ziraat zincirleri, Fördeler
zincirler, Sabit burçlu zincirlerRollenketten ab Nr. 20 B1 / 20 A1
Langgliedrollenkette ab Nr. 210 B
Landmaschinen-Rollenketten, Förderketten,
BuchsenkettenRoller chains No. 20 B1 / 20 A1 and above,
extended pitch roller chains No. 210 B and
above, agricultural roller chains, conveyor
chains, bush driving chains

Talep doğrultusunda No: 16 B1 ve üstü için

Anfertigung nur ab
Kette 16 B1 auf WunschManufactured only from No. 16 B1 onwards on
requestMakaralı, Uzun baklalı, Ziraat, Sabit burçlu ve
Fördeler zincirlerRollenketten, Langgliedrollenkette,
Landmaschinen-Rollenketten,
Förderketten, BuchsenkettenRoller chains, extended pitch roller chains,
agricultural roller chains, conveyor chains,
bush driving chains

Talep doğrultusunda No: 16 B1 ve üstü için

Anfertigung nur ab
Kette 16 B1 auf WunschManufactured only from No. 16 B1 onwards on
request

Makaralı zincirler dahil No: 16 B1 / 16 A1

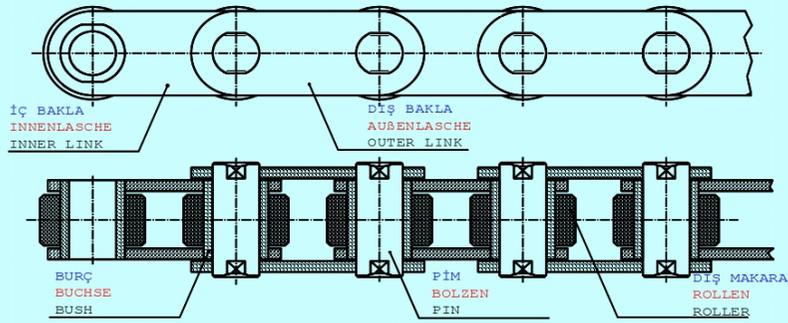
Rollenketten bis einschließlich
Nr. 16 B1 / 16 A1Roller chains up to and including
No. 16 B1 / 16 A1

Segmanlı kilitler için

zu allen Verbindungsgliedern

All connecting links

- FÖRDEYER ZİNCİRİN OLUŞUMU
- AUFBAU EINER FÖRDERKETTE
- CONVEYOR CHAIN DESIGN



1. ZİNCİR

Zincir iç ve dış bakladan oluşmaktadır. Üstte resimde belirtildiği gibi. Burç ve pim zincirin mafsal hareketini oluşturmaktadır. Zincir parçaları çeşitli malzemelerden üretilmektedir. Bunların ana yapısı ıslah , sementasyon ve alaşımli çeliklerdir.

a. BAKLA

Baklalar kopma ile karşı karşıya kaldığından dolayı ıslah edilmiş çelikten kullanılmaktadır. Zincirin tipi ve özelliğine göre ıslah işlem uygulanıp istenen kopma mukavemeti sağlanır.

b. PİM

Pimler silindirik yapısından dolayı. yüzeyi yüksek basınca ve birçok farklı yükün etkisinde kalmaktadır. Bundan dolayı genellikle pim yüzeyinin, aşınma dayanımını arttırmak amacıyla ıslah sementa malzeme kullanılarak sertleştirme yapılır.

c. BURÇ

Burçlarda , pimler gibi yüzey basıncı yüksek, aşınmaya maruz kalmaktadırlar. Bu nedenle burç iç ve dış yüzeyleri , aşınma dayanımını arttırmak amacıyla ıslah edilmiştir.

d. MAKARA

Koruyucu makara darbeye maruz kaldığından dolayı ıslah çeliklerden üretilmektedir. İşleyen makaralar da aynı şekilde ıslah veya alaşımli çeliklerden üretilerek, sertleştirilir. Makaraların bir dier fonksiyonu burcu korumaktır.

1. KETTE

Kette besteht aus Innen- und Außenlasche. Wie auf obiger Zeichnung sichtbar, Buchse und Pim bewirken die Gelenkbewegungen. Die Kettenteile werden aus verschiedenen Materialien produziert. Hauptsächlich vergütetes, einsatzgehärtetes und legiertes Stahl.

a. LASCHEN

Es wird vergütetes Stahl eingesetzt, um den Bruch der Laschen zu verhindern. Entsprechend der Kettentyp und -besonderheit wird der Vergütungsprozess eingesetzt, somit der Bruchwiderstand erreicht.

b. BOLZEN

Den Buchsen sind durch die zylindrische Form, dem erhöhten Druck der Oberfläche, wie auch verschiedenen anderen Belastungen ausgesetzt. Aus diesem Grund wird hauptsächlich um die Bolzenoberfläche gegen Abnutzung widerstandsfähiger zu machen, einsatzgehärtetes Stahl eingesetzt zur Härtung.

c. BUCHSEN

Wie bei den Bolzen, sind bei den Buchsen der Oberflächendruck hoch, deshalb Abnutzungsgefahr. Aus diesem Grund werden die Buchsen auf der inneren und äußeren Oberfläche verhärtet.

d. ROLLEN

Da die ...Rollen gegen Stöße ausgesetzt sind, werden diese aus vergütetem Stahl produziert. Auch die ... Rollen werden auf dem gleichen Weg gehärtet, durch Vergütung oder Legierung. Eine weitere Aufgabe der Rolle ist es, die Funktionsrollen schützen.

1. CHAIN

Chain consisting of inner link and outer link. As to be seen on above drawing, bush and pim are causing the joint movements. The chain parts are produced from different materials. Generally hardened, case-hardened and alloyed steel.

a. PLATES

To avoid breakes on the plates, it is used hardened steel. Respecting the type and specification of the chain, the hardened process is used, in order to become the break resistance.

b. PINS

Causing of the cylindrical form of the pims, the surface is under pressure and other burdens. This is the reason why case-hardened steel is used for hardening, to make resistance again the wear of the surface of the pins

c. BUSHES

As same as the pins the pressure of the surface is to much, the wear is to high. For this the bushes are hardened on the inside and outside surfaces.

d. ROLLERS

As the ... rollers are produced of hardened steel to resist against pushings. Also ... rollers are hardened and alloyed at the same way. An other function of the roller is to protect the function roller.

MAKARALI ZİNCİRLER
ROLLENKETTEN
ROLLER CHAINS



Tablo içindekiler
Bölüm B

Inhaltsverzeichnis
Gruppe B

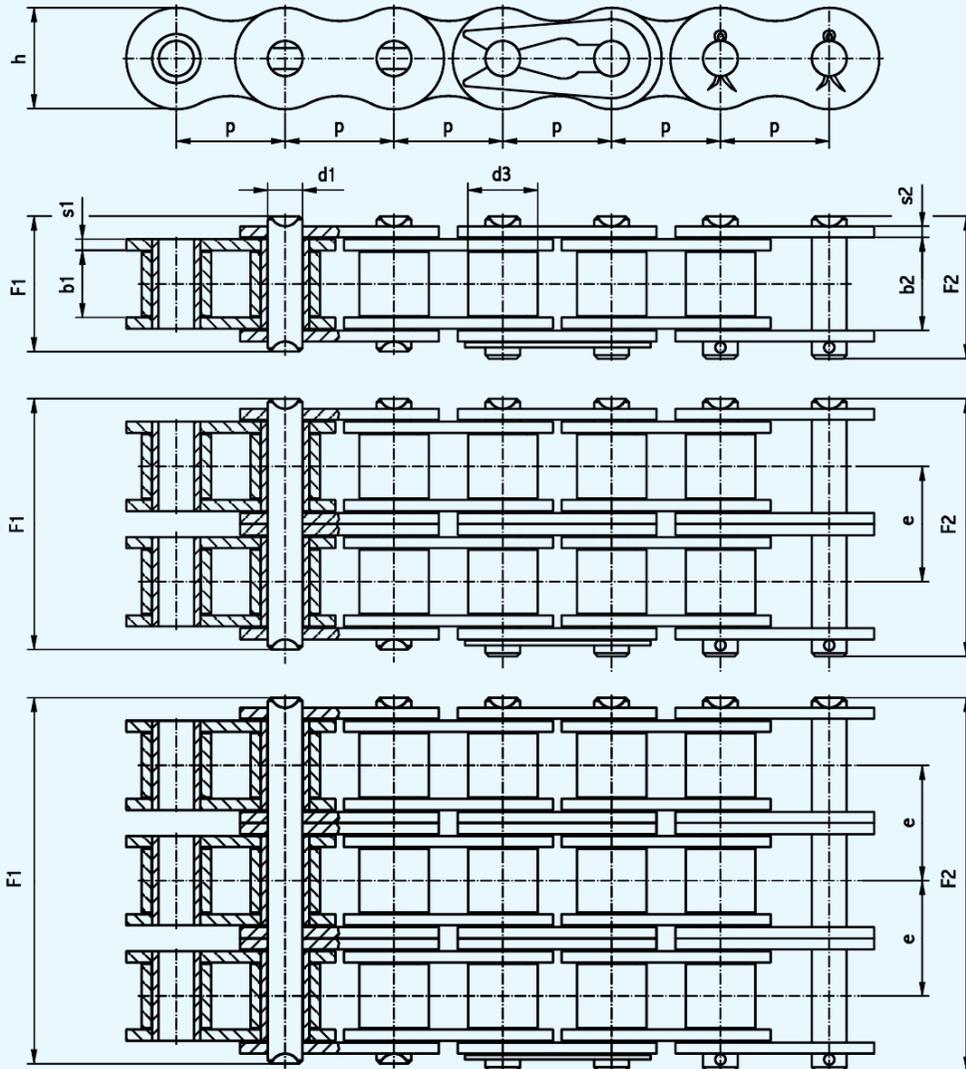
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Zimaş No.	ISO	p mm.	b ₁ mm.	b ₂ mm.	d ₁ mm.	d ₃ mm.	F ₁ mm.	F ₂ mm.	h mm.	s ₁ mm.	s ₂ mm.	e mm.	f cm. ²	F _B N	q kg/m
Mz-01-01-9,525	* 06 B1	9,525	5,72	8,85	3,30	6,35	13,00	14,50	8,20	1,30	1,30	-	0,28	9000	0,41
Mz-01-02-12,70	* 08 B1	12,70	3,30	5,80	3,64	7,75	9,60	11,50	9,88	1,00	1,00	-	0,21	8200	0,28
Mz-01-03-12,70	* 08 B1	12,70	4,88	8,00	3,92	7,75	12,60	13,60	10,50	1,30	1,30	-	0,36	16000	0,59
Mz-01-04-12,70	* 08 B1	12,70	7,75	11,50	4,45	8,51	17,00	18,00	11,80	1,60	1,60	-	0,50	18000	0,7
Mz-01-05-15,875	* 10 B1	15,875	9,65	13,40	5,08	10,16	19,50	20,50	14,60	1,60	1,60	-	0,67	22400	0,95
Mz-01-06-19,05	* 12 B1	19,05	11,68	15,60	5,72	12,07	22,40	24,00	16,00	1,70	1,70	-	0,89	29000	1,25
Mz-01-07-25,40	** 16 B1	25,40	17,02	25,50	8,28	15,88	36,00	37,50	21,30	4,00	3,00	-	2,10	60000	2,7
Mz-01-08-31,75	** 20 B1	31,75	19,56	28,50	10,17	19,05	41,50	45,00	25,50	4,00	4,00	-	2,96	95000	3,6
Mz-01-09-38,10	** 24 B1	38,10	25,40	37,40	14,63	25,40	54,00	58,00	33,00	5,50	5,50	-	5,54	160000	6,7
Mz-01-10-44,45	** 28 B1	44,45	30,99	47,00	15,87	27,94	65,50	71,00	37,00	7,50	6,00	-	7,39	200000	8,3
Mz-01-11-50,80	** 32 B1	50,80	30,99	46,00	17,75	29,21	66,00	70,00	42,20	7,00	6,00	-	8,10	250000	10,5
Mz-01-12-63,50	** 40 B1	63,50	38,10	55,60	22,87	39,37	81,00	86,00	52,50	8,00	8,00	-	12,75	355000	16
Mz-01-13-76,20	** 48 B1	76,20	45,72	71,00	29,24	48,26	99,10	109,10	65,00	12,00	10,00	-	20,61	560000	25
Mz-01-14-88,90	** 56 B1	88,90	53,34	81,30	34,32	53,98	118,00	125,00	76,00	13,00	13,00	-	27,90	850000	35
Mz-01-15-101,60	** 64 B1	101,60	60,96	91,50	39,40	63,50	130,00	140,50	90,00	14,00	13,00	-	36,25	1120000	60
Mz-01-16-114,30	** 72 B1	114,30	68,58	101,60	44,50	72,39	147,10	157,60	100,00	15,00	15,00	-	46,19	1400000	80

Tek Sıra Makaralı Zincirler **Einfach Rollenketten** **Simple Roller Chains**

Mz-02-01-9,525 <td>* 06 B2</td> <td>9,525</td> <td>5,72</td> <td>-</td> <td>3,30</td> <td>6,35</td> <td>23,10</td> <td>25,00</td> <td>8,20</td> <td>1,30</td> <td>1,30</td> <td>10,24</td> <td>0,56</td> <td>16000</td> <td>0,78</td>	* 06 B2	9,525	5,72	-	3,30	6,35	23,10	25,00	8,20	1,30	1,30	10,24	0,56	16000	0,78
Mz-02-02-12,70	* 08 B2	12,70	7,75	-	4,45	8,51	31,00	32,00	11,80	1,60	1,60	13,92	1,01	32000	1,35
Mz-02-03-15,875	* 10 B2	15,875	9,65	-	5,08	10,16	36,00	38,00	14,60	1,60	1,60	16,59	1,34	40000	1,35
Mz-02-04-19,05	* 12 B2	19,05	11,68	-	5,72	12,07	42,00	43,50	16,00	1,70	1,70	19,46	1,79	53000	2,50
Mz-02-05-25,40	** 16 B2	25,40	17,02	-	8,28	15,88	68,00	69,00	21,30	4,00	3,00	31,88	4,21	106000	5,40
Mz-02-06-31,75	** 20 B2	31,75	19,56	-	10,17	19,05	77,10	81,00	25,50	4,00	4,00	36,45	5,91	170000	7,20
Mz-02-07-38,10	** 24 B2	38,10	25,40	-	14,63	25,40	102,00	107,00	33,00	5,50	5,50	48,36	11,09	280000	13,50
Mz-02-08-44,45	** 28 B2	44,45	30,99	-	15,87	27,94	124,00	132,00	37,00	7,50	6,00	59,56	14,79	360000	16,60
Mz-02-09-50,80	** 32 B2	50,80	30,99	-	17,75	29,21	126,00	131,00	42,20	7,00	6,00	58,55	16,21	450000	21
Mz-02-10-63,50	** 40 B2	63,50	38,10	-	22,87	39,37	154,00	159,00	52,50	8,00	8,00	72,29	25,50	630000	32
Mz-02-11-76,20	** 48 B2	76,20	45,72	-	29,24	48,26	192,00	199,00	65,00	12,00	10,00	91,21	41,23	1000000	50
Mz-02-12-88,90	** 56 B2	88,90	53,34	-	34,32	53,98	224,00	235,00	76,00	13,00	13,00	106,60	55,80	1600000	70
Mz-02-13-101,60	** 64 B2	101,60	60,96	-	39,40	63,50	250,80	263,80	90,00	14,00	13,00	119,89	72,50	2000000	120
Mz-02-14-114,30	** 72 B2	114,30	68,58	-	44,50	72,39	283,70	298,00	100,00	15,00	15,00	136,27	92,40	2500000	160

Çift Sıra Makaralı Zincirler **Zweifach Rollenketten** **Duplex Roller Chains**

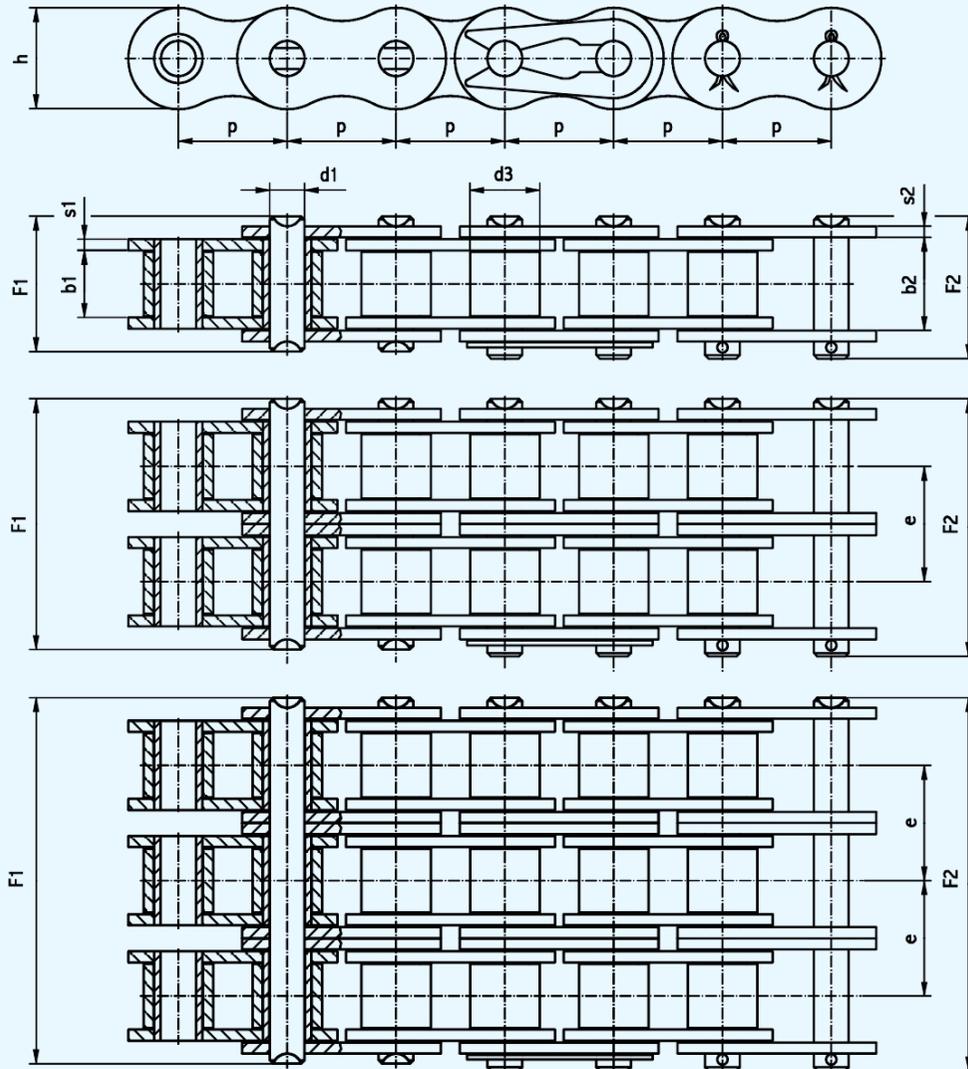
Mz-03-01-9,525 <td>* 06 B3</td> <td>9,525</td> <td>5,72</td> <td>-</td> <td>3,30</td> <td>6,35</td> <td>33,50</td> <td>37,30</td> <td>8,20</td> <td>1,30</td> <td>1,30</td> <td>10,24</td> <td>0,84</td> <td>23600</td> <td>1,18</td>	* 06 B3	9,525	5,72	-	3,30	6,35	33,50	37,30	8,20	1,30	1,30	10,24	0,84	23600	1,18
Mz-03-02-12,70	* 08 B3	12,70	7,75	-	4,45	8,51	45,20	46,40	11,80	1,60	1,60	13,92	1,51	47500	2,0
Mz-03-03-15,875	* 10 B3	15,875	9,65	-	5,08	10,16	52,70	55,00	14,60	1,60	1,60	16,59	2,02	60000	2,8
Mz-03-04-19,05	* 12 B3	19,05	11,68	-	5,72	12,07	61,50	63,00	16,00	1,70	1,70	19,46	2,68	80000	3,8
Mz-03-05-25,40	** 16 B3	25,40	17,02	-	8,28	15,88	99,00	102,00	21,30	4,00	3,00	31,88	6,31	160000	8
Mz-03-06-31,75	** 20 B3	31,75	19,56	-	10,17	19,05	115,00	119,00	25,50	4,00	4,00	36,45	8,87	250000	11
Mz-03-07-38,10	** 24 B3	38,10	25,40	-	14,63	25,40	150,00	155,00	33,00	5,50	5,50	48,36	16,63	425000	21
Mz-03-08-44,45	** 28 B3	44,45	30,99	-	15,87	27,94	185,00	190,00	37,00	7,50	6,00	59,56	22,18	530000	25
Mz-03-09-50,80	** 32 B3	50,80	30,99	-	17,75	29,21	184,00	189,50	42,20	7,00	6,00	58,55	24,31	670000	32
Mz-03-10-63,50	** 40 B3	63,50	38,10	-	22,87	39,37	224,00	230,00	52,50	8,00	8,00	72,29	38,25	950000	48
Mz-03-11-76,20	** 48 B3	76,20	45,72	-	29,24	48,26	284,30	291,00	65,00	12,00	10,00	91,21	61,84	1500000	75
Mz-03-12-88,90	** 56 B3	88,90	53,34	-	34,32	53,98	333,00	339,00	76,00	13,00	13,00	106,60	83,71	2240000	105
Mz-03-13-101,60	** 64 B3	101,60	60,96	-	39,40	63,50	370,70	383,70	90,00	14,00	13,00	119,89	108,74	3000000	180
Mz-03-14-114,30	** 72 B3	114,30	68,58	-	44,50	72,39	420,00	434,30	100,00	15,00	15,00	136,27	138,57	3750000	240

Üç Sıra Makaralı Zincirler **Dreifach Rollenketten** **Triplex Roller Chains**

* Kilitleri Segmanlı Yapılanlar
** Kilitleri Gupilyalı Yapılanlar

* V-Glieder Mit Versicherungsring
** V-Glieder Mit Splint

* With Segment Pin
** With Cottered Pin



Zimaş No.	ISO	p mm.	b ₁ mm.	b ₂ mm.	d ₁ mm.	d ₃ mm.	F ₁ mm.	F ₂ mm.	h mm.	s ₁ mm.	s ₂ mm.	e mm.	f cm. ²	F _B N	q kg/m
Mz-04-01-6,35	* 04 C1	6,35	3,18	5,20	2,31	3,30	9,10	11,20	6,27	0,80	0,80	-	0,11	3500	0,13
Mz-04-02-9,525	* 06 C1	9,525	4,77	7,80	3,58	5,08	13,20	16,50	9,05	1,30	1,30	-	0,27	7900	0,31
Mz-04-03-12,70	* 08 A1	12,70	7,95	11,50	3,96	7,92	17,00	18,50	11,80	1,60	1,60	-	0,44	14100	0,6
Mz-04-04-15,875	* 10 A1	15,875	9,53	14,10	5,08	10,16	21,00	22,50	14,60	2,00	2,00	-	0,70	22200	1
Mz-04-05-19,05	** 12 A1	19,05	12,70	18,00	5,94	11,91	25,80	27,50	16,00	2,40	2,40	-	1,05	31800	1,5
Mz-04-06-25,40	** 16 A1	25,40	15,88	22,50	7,92	15,88	33,50	34,50	24,00	3,00	3,00	-	1,78	56700	2,6
Mz-04-07-31,75	** 20 A1	31,75	19,05	27,80	9,53	19,05	41,10	45,00	30,00	4,00	4,00	-	2,61	88600	3,7
Mz-04-08-38,10	** 24 A1	38,10	25,40	36,40	11,10	22,22	52,00	57,00	36,50	5,00	5,00	-	3,92	127000	5,5
Mz-04-09-44,45	** 28 A1	44,45	25,40	37,40	12,70	25,40	54,50	60,00	42,00	5,50	5,50	-	4,70	172400	7,5
Mz-04-10-50,80	** 32 A1	50,80	31,75	45,80	14,28	28,58	65,50	70,00	47,00	6,50	6,00	-	6,42	226800	9,7
Mz-04-11-63,50	** 40 A1	63,50	38,10	55,50	19,84	39,68	80,30	87,00	60,00	8,00	8,00	-	10,85	353800	15,8
Mz-04-12-76,20	** 48 A1	76,20	47,63	68,70	23,80	47,63	97,50	104,50	72,00	10,00	10,00	-	16,07	510300	22,6

Tek Sıra Makaralı Zincirler

Einfach Rollenketten

Simple Roller Chains

Mz-05-01-9,525	* 06 C2	9,525	4,77	-	3,58	5,08	21,60	22,90	9,05	1,30	1,30	10,13	0,54	18600	0,67
Mz-05-02-12,70	* 08 A2	12,70	7,95	-	3,96	7,92	32,00	33,00	11,80	1,60	1,60	14,38	0,88	28200	1,2
Mz-05-03-15,875	* 10 A2	15,875	9,53	-	5,08	10,16	39,00	40,50	14,60	2,00	2,00	18,11	1,40	44400	1,9
Mz-05-04-19,05	* 12 A2	19,05	12,70	-	5,94	11,91	49,00	50,00	16,00	2,40	2,40	22,78	2,10	63600	2,9
Mz-05-05-25,40	* 16 A2	25,40	15,88	-	7,92	15,88	63,00	63,80	24,00	3,00	3,00	29,29	3,56	113400	5
Mz-05-06-31,75	** 20 A2	31,75	19,05	-	9,53	19,05	77,00	82,00	30,00	4,00	4,00	35,76	5,22	177000	7,3
Mz-05-07-38,10	** 24 A2	38,10	25,40	-	11,10	22,22	99,50	102,60	36,50	5,00	5,00	45,44	7,84	254000	10,9
Mz-05-08-44,45	** 28 A2	44,45	25,40	-	12,70	25,40	104,00	108,00	42,00	5,50	5,50	48,87	9,40	344800	14,4
Mz-05-09-50,80	** 32 A2	50,80	31,75	-	14,28	28,58	124,00	128,50	47,00	6,50	6,00	58,55	12,84	453600	19
Mz-05-10-63,50	** 40 A2	63,50	38,10	-	19,84	39,68	154,00	159,00	60,00	8,00	8,00	71,55	21,70	707600	32
Mz-05-11-76,20	** 48 A2	76,20	47,63	-	23,80	47,63	185,50	192,50	72,00	10,00	10,00	87,83	32,13	1020600	44

Çift Sıra Makaralı Zincirler

Zweifach Rollenketten

Duplex Roller Chains

Mz-06-01-9,525	* 06 C3	9,525	4,77	-	3,58	5,08	31,80	33,00	9,05	1,30	1,30	10,13	0,81	28000	1,01
Mz-06-02-12,70	* 08 A3	12,70	7,95	-	3,96	7,92	46,70	50,60	11,80	1,60	1,60	14,38	1,32	42300	1,8
Mz-06-03-15,875	* 10 A3	15,875	9,53	-	5,08	10,16	57,20	58,70	14,60	2,00	2,00	18,11	2,10	66600	2,9
Mz-06-04-19,05	* 12 A3	19,05	12,70	-	5,94	11,91	72,00	73,00	16,00	2,40	2,40	22,78	3,15	95400	4,3
Mz-06-05-25,40	* 16 A3	25,40	15,88	-	7,92	15,88	92,00	93,50	24,00	3,00	3,00	29,29	5,35	170100	7,5
Mz-06-06-31,75	** 20 A3	31,75	19,05	-	9,53	19,05	113,00	116,50	30,00	4,00	4,00	35,76	7,83	265500	11
Mz-06-07-38,10	** 24 A3	38,10	25,40	-	11,10	22,22	141,70	148,30	36,50	5,00	5,00	45,44	11,76	381000	16,5
Mz-06-08-44,45	** 28 A3	44,45	25,40	-	12,70	25,40	152,40	159,80	42,00	5,50	5,50	48,87	14,10	517200	21,7
Mz-06-09-50,80	** 32 A3	50,80	31,75	-	14,28	28,58	182,50	187,50	47,00	6,50	6,00	58,55	19,26	680400	28,3
Mz-06-10-63,50	** 40 A3	63,50	38,10	-	19,84	39,68	224,00	230,00	60,00	8,00	8,00	71,55	32,56	1061400	48
Mz-06-11-76,20	** 48 A3	76,20	47,63	-	23,80	47,63	274,50	281,00	72,00	10,00	10,00	87,83	48,20	1530900	66

Üç Sıra Makaralı Zincirler

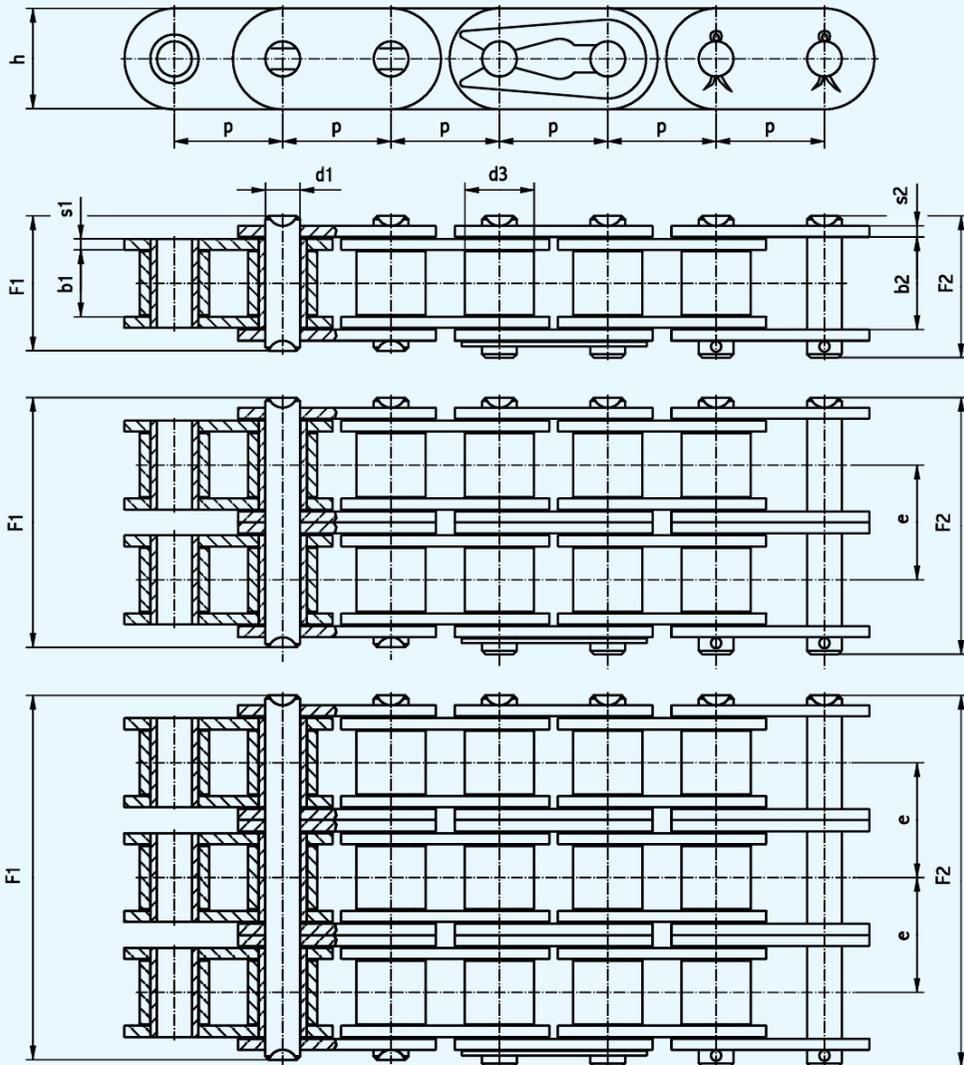
Dreifach Rollenketten

Triplex Roller Chains

* Kilitleri Segmanlı Yapılanlar
** Kilitleri Gupilyalı Yapılanlar

* V-Glieder Mit Versicherungsring
** V-Glieder Mit Splint

* With Segment Pin
** With Cottered Pin



Zimaş No.	ISO	p mm.	b ₁ mm.	b ₂ mm.	d ₁ mm.	d ₃ mm.	F ₁ mm.	F ₂ mm.	h mm.	s ₁ mm.	s ₂ mm.	e mm.	f cm. ²	F _B N	q kg/m	
Mz-07-01-9,525	* 06 B1	9,525	5,72	8,85	3,30	6,35	13,00	14,50	8,20	1,30	1,30	-	0,28	9000	0,41	
Mz-07-02-12,70	* 08 B1	12,70	7,75	11,50	4,45	8,51	17,00	18,00	11,80	1,60	1,60	-	0,50	18000	0,7	
Mz-07-03-15,875	* 10 B1	15,875	9,65	13,40	5,08	10,16	19,50	20,50	14,50	1,60	1,60	-	0,67	22400	0,95	
Mz-07-04-19,05	* 12 B1	19,05	11,68	15,60	5,72	12,07	22,40	24,00	16,00	1,70	1,70	-	0,89	29000	1,25	
Mz-07-05-25,40	** 16 B1	25,40	17,02	25,50	8,28	15,88	36,00	37,50	21,00	4,00	3,00	-	2,10	60000	2,7	
Mz-07-06-19,05	* 16 B1	25,40	17,02	25,50	8,28	15,88	36,00	37,50	24,00	4,00	3,00	-	2,10	60000	2,85	
Mz-07-07-31,75	** 20 B1	31,75	19,56	28,50	10,17	19,05	41,50	45,00	25,40	4,00	4,00	-	2,96	95000	3,6	
Mz-07-08-38,10	** 24 B1	38,10	25,40	37,40	14,63	25,40	54,00	58,00	33,00	5,50	5,50	-	5,54	160000	6,7	
Tek Sıra Makaralı Zincirler			Einfach Rollenketten						Simple Roller Chains							
Mz-08-01-9,525	* 06 B2	9,525	5,72	-	3,30	6,35	23,10	25,00	8,20	1,30	1,30	10,24	0,56	16000	0,78	
Mz-08-02-12,70	* 08 B2	12,70	7,75	-	4,45	8,51	31,00	32,00	11,80	1,60	1,60	13,92	1,01	32000	1,35	
Mz-08-03-15,875	* 10 B2	15,875	9,65	-	5,08	10,16	36,00	38,00	14,50	1,60	1,60	16,59	1,34	40000	1,35	
Mz-08-04-19,05	* 12 B2	19,05	11,68	-	5,72	12,07	42,00	43,50	16,00	1,70	1,70	19,46	1,79	53000	2,50	
Mz-08-05-25,40	** 16 B2	25,40	17,02	-	8,28	15,88	68,00	69,00	21,00	4,00	3,00	31,88	4,21	106000	5,40	
Mz-08-06-25,40	** 16 B2	25,40	17,02	-	8,28	15,88	68,00	69,00	24,00	4,00	3,00	31,88	4,21	106000	5,70	
Mz-08-07-31,75	** 20 B2	31,75	19,56	-	10,17	19,05	77,10	81,00	25,40	4,00	4,00	36,45	5,91	170000	7,20	
Mz-08-08-38,10	** 24 B2	38,10	25,40	-	14,63	25,40	102,00	107,00	33,00	5,50	5,50	48,36	11,09	280000	13,50	
Çift Sıra Makaralı Zincirler			Zweifach Rollenketten						Duplex Roller Chains							
Mz-09-01-9,525	* 06 B3	9,525	5,72	-	3,30	6,35	33,50	37,30	8,20	1,30	1,30	10,24	0,84	23600	1,18	
Mz-09-02-12,70	* 08 B3	12,70	7,75	-	4,45	8,51	45,20	46,40	11,80	1,60	1,60	13,92	1,51	47500	2,0	
Mz-09-03-15,875	* 10 B3	15,875	9,65	-	5,08	10,16	52,70	55,00	14,50	1,60	1,60	16,59	2,02	60000	2,8	
Mz-09-04-19,05	* 12 B3	19,05	11,68	-	5,72	12,07	61,50	63,00	16,00	1,70	1,70	19,46	2,68	80000	3,8	
Mz-09-05-25,40	** 16 B3	25,40	17,02	-	8,28	15,88	99,00	102,00	21,00	4,00	3,00	31,88	6,31	160000	8,00	
Mz-09-06-25,40	** 16 B3	25,40	17,02	-	8,28	15,88	99,00	102,00	24,00	4,00	3,00	31,88	6,31	160000	8,45	
Mz-09-07-31,75	** 20 B3	31,75	19,56	-	10,17	19,05	115,00	119,00	25,40	4,00	4,00	36,45	8,87	250000	11,00	
Mz-09-08-38,10	** 24 B3	38,10	25,40	-	14,63	25,40	150,00	155,00	33,00	5,50	5,50	48,36	16,63	425000	21,00	
Üç Sıra Makaralı Zincirler			Dreifach Rollenketten						Triplex Roller Chains							
DIN 8188			DIN 8188						DIN 8188							
Mz-10-01-15,875	* 10 A1	15,875	9,53	14,10	5,08	10,16	21,00	22,50	14,50	2,00	2,00	-	0,70	22200	1	
Mz-10-02-19,05	* 12 A1	19,05	12,70	18,00	5,94	11,91	25,80	27,50	16,00	2,40	2,40	-	1,05	31800	1,5	
Tek Sıra Makaralı Zincirler			Einfach Rollenketten						Simple Roller Chains							
Mz-11-01-15,875	* 10 A2	15,875	9,53	-	5,08	10,16	39,00	40,50	14,50	2,00	2,00	18,11	1,40	44400	1,9	
Mz-11-02-19,05	* 12 A2	19,05	12,70	-	5,94	11,91	49,00	50,00	16,00	2,40	2,40	22,78	2,10	63600	2,9	
Çift Sıra Makaralı Zincirler			Zweifach Rollenketten						Duplex Roller Chains							
Mz-12-01-15,875	* 10 A3	15,875	9,53	-	5,08	10,16	57,20	58,70	14,50	2,00	2,00	18,11	2,10	66600	2,9	
Mz-12-02-19,05	* 12 A3	19,05	12,70	-	5,94	11,91	72,00	73,00	16,00	2,40	2,40	22,78	3,15	95400	4,3	
Üç Sıra Makaralı Zincirler			Dreifach Rollenketten						Triplex Roller Chains							

* Kilitleri Segmanlı Yapılanlar

** Kilitleri Gupilyalı Yapılanlar

* V-Glieder Mit Versicherungsring

** V-Glieder Mit Splint

* With Segment Pin

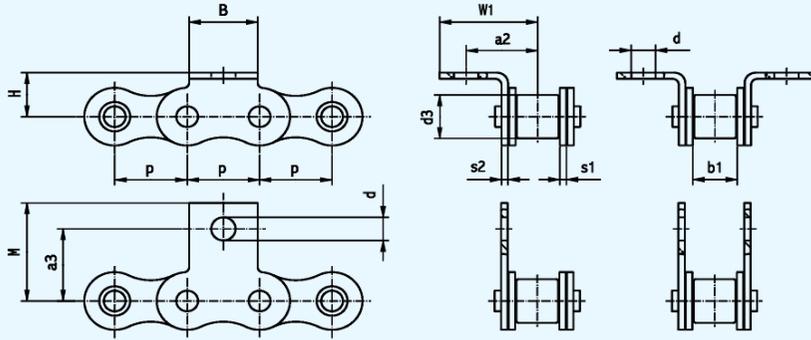
** With Cottered Pin



DAR KULAKLAR - BÜKÜLMÜŞ VEYA DİK
FORMLU

FORM :SCHMAL -GEWINKELT ODER
GESRECKT

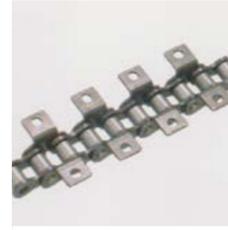
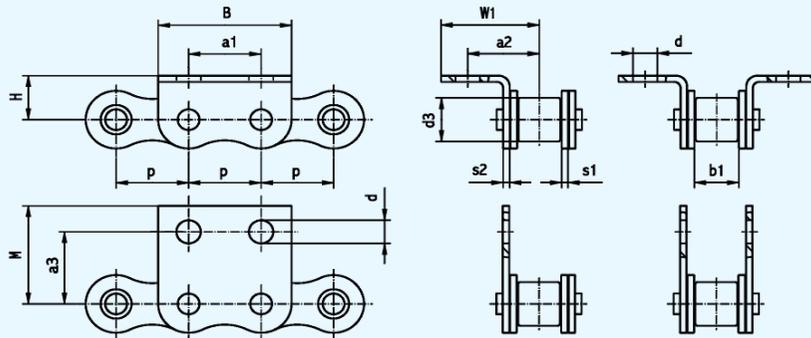
NARROW ATTACHMENT - BENT AND
VERTICAL TYPE



GENİŞ KULAKLAR - BÜKÜLMÜŞ VEYA DİK
FORMLU

FORM :BREIT -GEWINKELT ODER
GESRECKT

WIDE ATTACHMENT - BENT AND
VERTICAL TYPE



Zimaş No.	ISO	p mm.	b ₁ mm.	d ₃ mm.	F _B N	a ₁ mm.	a ₃ mm.	B mm.	M mm.	s ₁ mm.	s ₂ mm.	a ₂ * mm.	d mm.	H* mm.	W ₁ mm.
Mz-07-01-12,70	08 B	12,70	7,75	8,51	18000	-	14,30	11,00	19,20	1,60	1,60	12,70	4,40	9,00	18,2
Mz-07-02-15,875	10 B	15,875	9,65	10,16	22400	-	15,50	13,00	24,60	1,60	1,60	15,90	5,00	10,30	22,3
Mz-07-03-19,05	12 B	19,05	11,68	12,07	29000	-	20,00	18,00	30,10	1,70	1,70	19,05	6,40	13,50	26,2
Mz-07-04-25,40	16 B	25,40	17,02	15,88	60000	-	31,10	24,00	39,10	4,00	3,00	25,40	9,00	16,00	39,7
Mz-07-05-31,75	20 B	31,75	19,56	19,05	95000	-	35,00	26,00	48,70	4,00	4,00	31,75	9,00	19,80	47,8
Mz-07-06-38,10	24 B	38,10	25,40	25,40	160000	-	45,00	30,00	55,60	5,50	5,50	38,10	10,50	26,70	58,0
Mz-07-07-44,45	28 B	44,45	30,99	27,94	200000	-	55,00	42,00	68,50	7,50	6,00	44,45	13,10	28,60	76,0
Mz-07-08-50,80	32 B	50,80	30,99	29,21	250000	-	63,50	50,00	77,70	7,00	6,00	50,80	13,10	31,8	81,3
DIN 8187				DIN 8187				DIN 8187							
Mz-08-01-12,70	08 A	12,70	7,95	7,92	14100	-	12,70	9,50	17,50	1,60	1,60	12,70	3,30	7,90	17,90
Mz-08-02-15,875	10 A	15,875	9,53	10,16	22200	-	15,90	12,70	24,60	2,00	2,00	15,90	5,30	10,30	24,90
Mz-08-03-19,05	12 A	19,05	12,70	11,91	31800	-	18,30	15,90	26,00	2,40	2,40	19,05	5,30	11,90	29,00
Mz-08-04-25,40	16 A	25,40	15,88	15,88	56700	-	24,60	24,00	39,70	3,00	3,00	25,40	6,60	15,90	41,30
DIN 8188				DIN 8188				DIN 8188							

DAR KULAKLAR - BÜKÜLMÜŞ VE DİK FORMLU

FORM :SCHMAL -GEWINKELT ODER GESRECKT

NARROW ATTACHMENT - BENT AND VERTICAL TYPE

* Serbest Ölçü

* Fraimaß

* Free dimension

Mz-09-01-12,70	08 B	12,70	7,75	8,51	18000	12,70	14,30	23,60	19,20	1,60	1,60	12,70	4,40	9,00	18,2
Mz-09-02-15,875	10 B	15,875	9,65	10,16	22400	15,875	15,50	29,00	24,60	1,60	1,60	15,90	5,00	9,50	22,3
Mz-09-03-19,05	12 B	19,05	11,68	12,07	29000	19,05	20,00	33,80	30,10	1,70	1,70	19,05	6,40	12,20	26,2
Mz-09-04-25,40	16 B	25,40	17,02	15,88	60000	25,40	31,10	46,70	39,10	4,00	3,00	25,40	9,00	18,00	39,7
Mz-09-05-31,75	20 B	31,75	19,56	19,05	95000	31,75	35,00	57,50	48,70	4,00	4,00	31,75	9,00	18,00	47,8
Mz-09-06-38,10	24 B	38,10	25,40	25,40	160000	38,10	45,00	71,00	55,60	5,50	5,50	38,10	10,50	26,7	58,0
Mz-09-07-44,45	28 B	44,45	30,99	27,94	200000	44,45	55,00	81,45	68,50	7,50	6,00	44,45	13,10	28,6	76,0
Mz-09-08-50,80	32 B	50,80	30,99	29,21	250000	50,80	63,50	93,00	77,70	7,00	6,00	50,80	13,10	31,8	81,3
DIN 8187				DIN 8187				DIN 8187							
Mz-10-01-12,70	08 A	12,70	7,95	7,92	14100	12,70	12,70	23,60	17,50	1,60	1,60	12,70	3,30	7,90	17,90
Mz-10-02-15,875	10 A	15,875	9,53	10,16	22200	15,875	15,90	29,00	24,60	2,00	2,00	15,90	5,30	10,30	24,90
Mz-10-03-19,05	12 A	19,05	12,70	11,91	31800	19,05	18,30	33,70	27,70	2,40	2,40	19,05	5,30	11,90	29,00
Mz-10-04-25,40	16 A	25,40	15,88	15,88	56700	25,40	24,60	46,70	39,70	3,00	3,00	25,40	6,60	15,90	41,30

DIN 8188

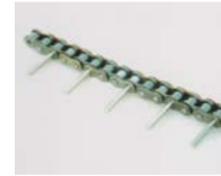
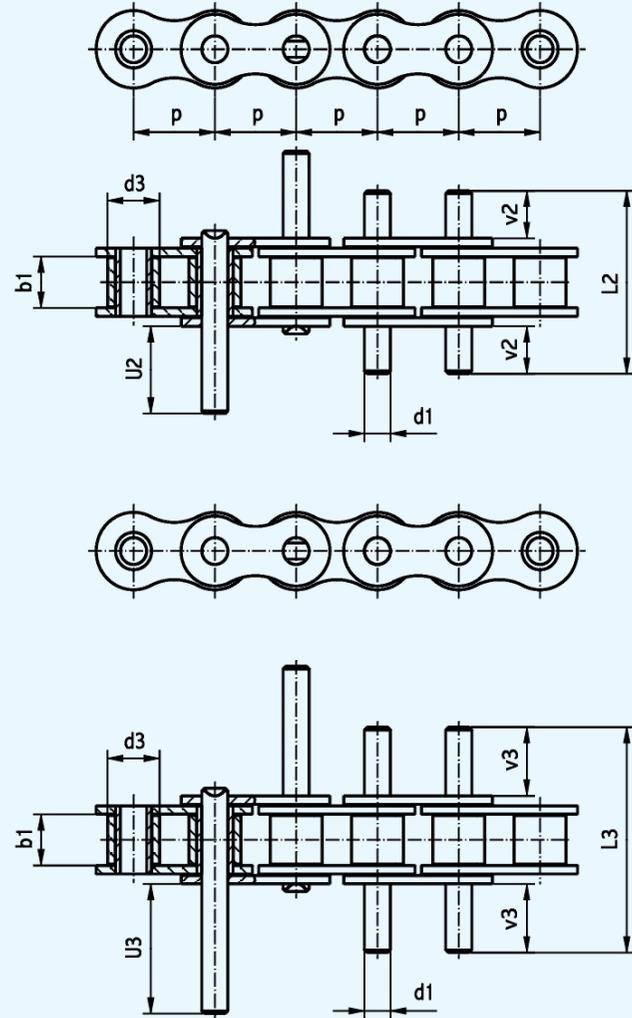
DIN 8188

DIN 8188

GENİŞ KULAKLAR - BÜKÜLMÜŞ VE DİK FORMLU

FORM :BREIT -GEWINKELT ODER GESRECKT

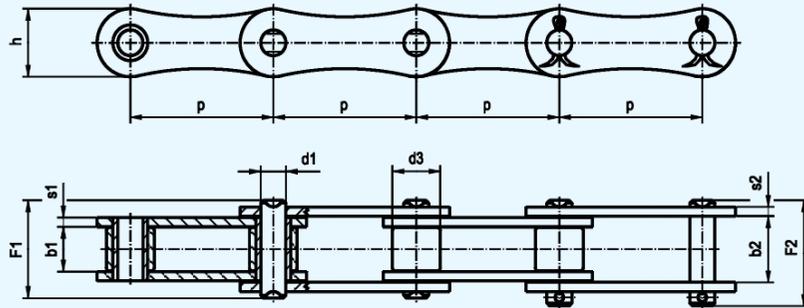
WIDE ATTACHMENT - BENT AND VERTICAL TYPE



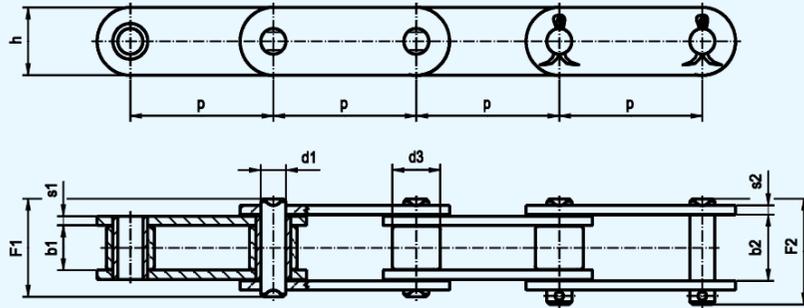
Zımaş No.	ISO	p mm.	b ₁ mm.	d ₃ mm.	d ₁ mm.	L ₂ mm.	U ₂ mm.	v ₂ mm.	d ₁ mm.	L ₃ mm.	U ₃ mm.	v ₃ mm.	
Pç-01-01-9,525	06 B1	9,525	5,72	6,35	3,30	23,10	11,00	5,90	3,30	33,50	21,20	11,00	
Pç-01-02-12,70	08 B1	12,70	7,75	8,51	4,45	31,00	15,10	8,10	4,45	45,20	29,20	15,20	
Pç-01-03-15,875	10 B1	15,875	9,65	10,16	5,08	36,00	18,00	9,60	5,08	52,70	34,50	18,00	
Pç-01-04-19,05	12 B1	19,05	11,68	12,07	5,72	42,00	21,20	11,50	5,72	61,50	40,70	21,20	
Pç-01-05-25,40	16 B1	25,40	17,02	15,88	8,28	68,00	33,60	18,20	8,28	99,00	65,10	33,70	
Pç-01-06-31,75	20 B1	31,75	19,56	19,05	10,17	77,10	38,10	20,20	10,17	115,00	75,80	39,20	
Pç-01-07-38,10	24 B1	38,10	25,40	25,40	14,63	102,00	50,50	26,70	14,63	150,00	98,6	50,70	
Pç-01-08-44,45	28 B1	44,45	30,99	27,94	15,87	124,00	61,70	32,40	15,87	185,00	122,60	62,80	
Pç-01-09-50,80	32 B1	50,80	30,99	29,21	17,75	126,00	63,80	33,90	17,75	184,00	121,80	62,80	
DIN 8187						DIN 8187						DIN 8187	
Pç-02-01-12,70	08 A1	12,70	7,95	7,92	3,96	32,00	16,10	8,60	3,96	46,70	30,80	15,90	
Pç-02-02-15,875	10 A1	15,875	9,53	10,16	5,08	39,00	19,40	10,40	5,08	57,20	37,60	19,50	
Pç-02-03-19,05	12 A1	19,05	12,70	11,91	5,94	49,00	24,60	13,10	5,94	72,00	47,60	24,50	
Pç-02-04-25,40	16 A1	25,40	15,88	15,88	7,92	63,00	31,90	17,20	7,92	92,00	60,90	31,70	
Pç-02-05-31,75	20 A1	31,75	19,05	19,05	9,53	77,00	38,50	20,50	9,53	113,00	74,50	38,50	
Pç-02-06-38,10	24 A1	38,10	25,40	22,22	11,10	99,50	50,20	26,50	11,10	141,70	92,40	47,50	
Pç-02-07-44,45	28 A1	44,45	25,40	25,40	12,70	104,00	52,50	27,70	12,70	152,40	100,80	51,80	
Pç-02-08-50,80	32 A1	50,80	31,75	28,58	14,28	124,00	62,20	33,00	14,28	182,50	120,70	62,20	
DIN 8188						DIN 8188						DIN 8188	



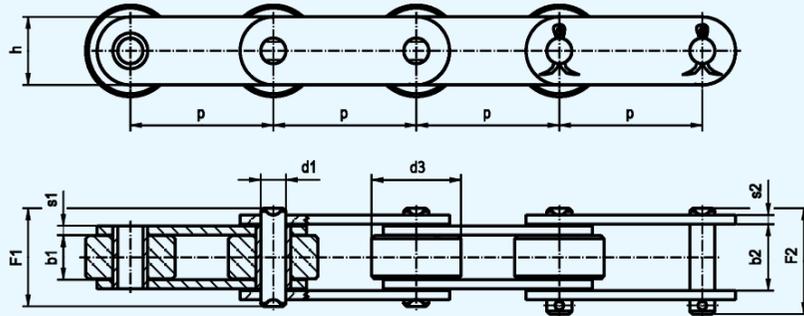
TIP - A



TIP - C



TIP - C2



Zımaş No.

ISO

p mm.

b₁ mm.b₂ mm.d₁ mm.d₃ mm.F₁ mm.F₂ mm.

h mm.

s₁ mm.s₂ mm.

FB N

q kg/m

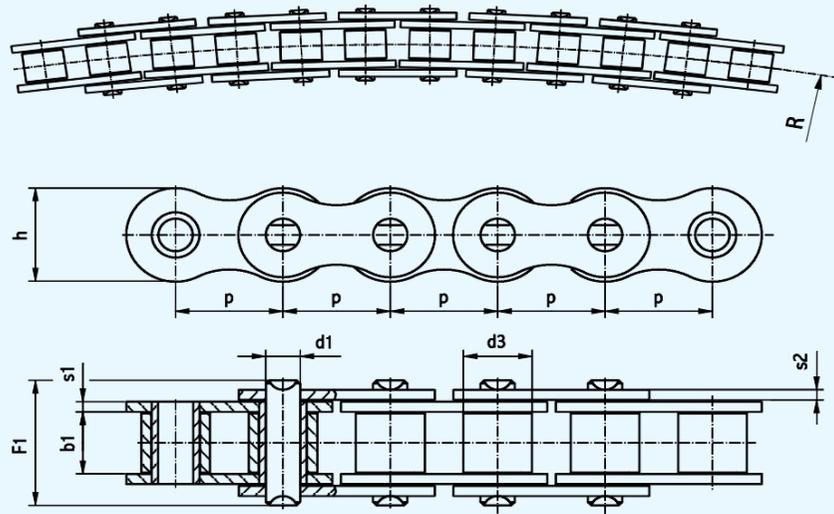
TIP

ANSI No.

Zımaş No.	ISO	p mm.	b ₁ mm.	b ₂ mm.	d ₁ mm.	d ₃ mm.	F ₁ mm.	F ₂ mm.	h mm.	s ₁ mm.	s ₂ mm.	FB N	q kg/m	TIP	ANSI No.
Ub-01-01-25,40	208 B	25,40	7,75	11,50	4,45	8,51	17,00	18,00	11,80	1,60	1,60	18000	0,45	A	-
Ub-01-02-25,40	208 B	25,40	7,75	11,50	4,45	8,51	17,00	18,00	11,80	1,60	1,60	18000	0,45	C	-
Ub-01-03-31,75	210 B	31,75	9,65	13,40	5,08	10,16	19,50	20,50	14,00	1,60	1,60	22400	0,65	A	-
Ub-01-04-31,75	210 B	31,75	9,65	13,40	5,08	10,16	19,50	20,50	14,00	1,60	1,60	22400	0,65	C	-
Ub-01-05-38,10	212 B	38,10	11,68	15,60	5,72	12,07	22,40	24,00	16,50	1,70	1,70	29000	0,76	A	-
Ub-01-06-38,10	212 B	38,10	11,68	15,60	5,72	12,07	22,40	24,00	16,50	1,70	1,70	29000	0,76	C	-
Ub-01-07-50,80	216 B	50,80	17,02	25,50	8,28	15,88	36,00	37,50	21,00	4,00	4,00	60000	1,75	A	-
Ub-01-08-50,80	216 B	50,80	17,02	25,50	8,28	15,88	36,00	37,50	21,00	4,00	4,00	60000	1,75	C	-
Ub-01-09-63,50	220 B	63,50	19,56	28,50	10,17	19,05	41,50	45,00	26,20	4,00	4,00	95000	1,95	A	-
Ub-01-10-63,50	220 B	63,50	19,56	28,50	10,17	19,05	41,50	45,00	26,20	4,00	4,00	95000	1,95	C	-
Ub-01-11-76,20	224 B	76,20	25,40	37,40	14,63	25,40	54,00	58,00	33,00	5,50	5,50	160000	4,50	A	-
Ub-01-12-76,20	224 B	76,20	25,40	37,40	14,63	25,40	54,00	58,00	33,00	5,50	5,50	160000	4,50	C	-
Ub-02-01-25,40	208 A	25,40	7,95	11,50	3,96	7,92	17,00	18,50	12,00	1,60	1,60	14100	0,42	A	A 2040
Ub-02-02-25,40	208 A	25,40	7,95	11,50	3,96	7,92	17,00	18,50	12,00	1,60	1,60	14100	0,42	C	C 2040H
Ub-02-03-31,75	210 A	31,75	9,53	14,10	5,08	10,16	21,00	22,50	14,00	2,00	2,00	22200	0,70	A	A 2050
Ub-02-04-31,75	210 A	31,75	9,53	14,10	5,08	10,16	21,00	22,50	14,00	2,00	2,00	22200	0,70	C	C 2050H
Ub-02-05-38,10	212 A	38,10	12,70	18,00	5,94	11,91	25,80	27,50	18,00	2,40	2,40	31800	1,00	A	A 2060
Ub-02-06-38,10	212 A	38,10	12,70	18,00	5,94	11,91	25,80	27,50	18,00	2,40	2,40	31800	1,00	C	C 2060H
Ub-02-07-50,80	216 A	50,80	15,88	22,50	7,92	15,88	33,50	34,50	24,10	3,00	3,00	56700	1,70	A	A 2080
Ub-02-08-50,80	216 A	50,80	15,88	22,50	7,92	15,88	33,50	34,50	24,00	3,00	3,00	56700	1,70	C	C 2080H
Ub-02-08-50,82	220 A	63,50	19,05	27,80	9,53	19,05	41,10	45,00	29,00	4,00	4,00	88600	2,55	C	C 2100H
Ub-02-08-50,84	224 A	76,20	25,40	36,40	11,10	22,22	52,00	57,00	36,00	5,00	5,00	127000	3,50	C	C 2120H
Ub-02-04-31,75	210 A	31,75	9,53	14,10	5,08	10,16	21,00	22,50	14,00	2,00	2,00	22200	0,70	C2	C 2052H
Ub-02-06-38,10	212 A	38,10	12,70	18,00	5,94	11,91	25,80	27,50	18,00	2,40	2,40	31800	1,00	C2	C 2062H
Ub-02-08-50,80	216 A	50,80	15,88	22,50	7,92	15,88	33,50	34,50	24,00	3,00	3,00	56700	1,70	C2	C 2082H
Ub-02-08-50,82	220 A	63,50	19,05	27,80	9,53	19,05	41,10	45,00	29,00	4,00	4,00	88600	2,55	C2	C 2102H
Ub-02-08-50,84	224 A	76,20	25,40	36,40	11,10	22,22	52,00	57,00	36,00	5,00	5,00	127000	3,50	C2	C 2122H



Zimas No.	ISO	p mm.	b ₁ mm.	d ₁ mm.	d ₃ mm.	F ₁ mm.	h mm.	s ₁ mm.	s ₂ mm.	R mm.	F _B N	q kg/m
Yy-01-01-9,525	**	06 B1	9,525	5,72	3,28	6,35	13,50	8,30	1,30	1,30	195	9100 0,39
Yy-01-02-12,70	*/*	08 B1	12,70	7,75	3,96	8,51	18,90	11,80	1,60	1,60	400	18200 0,69
Yy-01-03-12,70	*	08 A1	12,70	7,95	3,64	7,92	16,50	11,80	1,60	1,60	400	14100 0,61
Yy-01-04-15,875	*	10 B1	15,875	9,65	4,45	10,16	19,50	14,60	1,60	1,60	450	22700 0,85
Yy-01-05-15,875	*/*	10 A1	15,875	9,53	4,45	10,16	21,00	14,60	2,00	2,00	450	22200 1,05
Yy-01-06-19,05	*	12 B1	19,05	11,68	5,72	12,07	22,70	16,00	1,80	1,70	650	29500 1,18
Yy-01-07-19,05	*/*	12 A1	19,05	12,70	5,08	11,91	26,80	16,00	2,40	2,40	500	31800 1,48
Yy-01-08-25,40	*/*	16 B1	25,40	17,02	8,28	15,88	36,20	21,30	4,00	3,00	750	58000 2,50
Yy-01-09-25,40	*	16 A1	25,40	15,88	7,92	15,88	32,70	24,00	3,00	3,00	910	56700 2,43
Yy-01-10-31,75	**	C 2090	31,75	9,53	4,45	10,16	21,00	2,00	2,00	650	22200 0,70	
Yy-01-11-38,10	*	24 A1	38,10	25,40	11,10	22,22	53,00	36,50	5,00	5,00	2000	127000 5,50



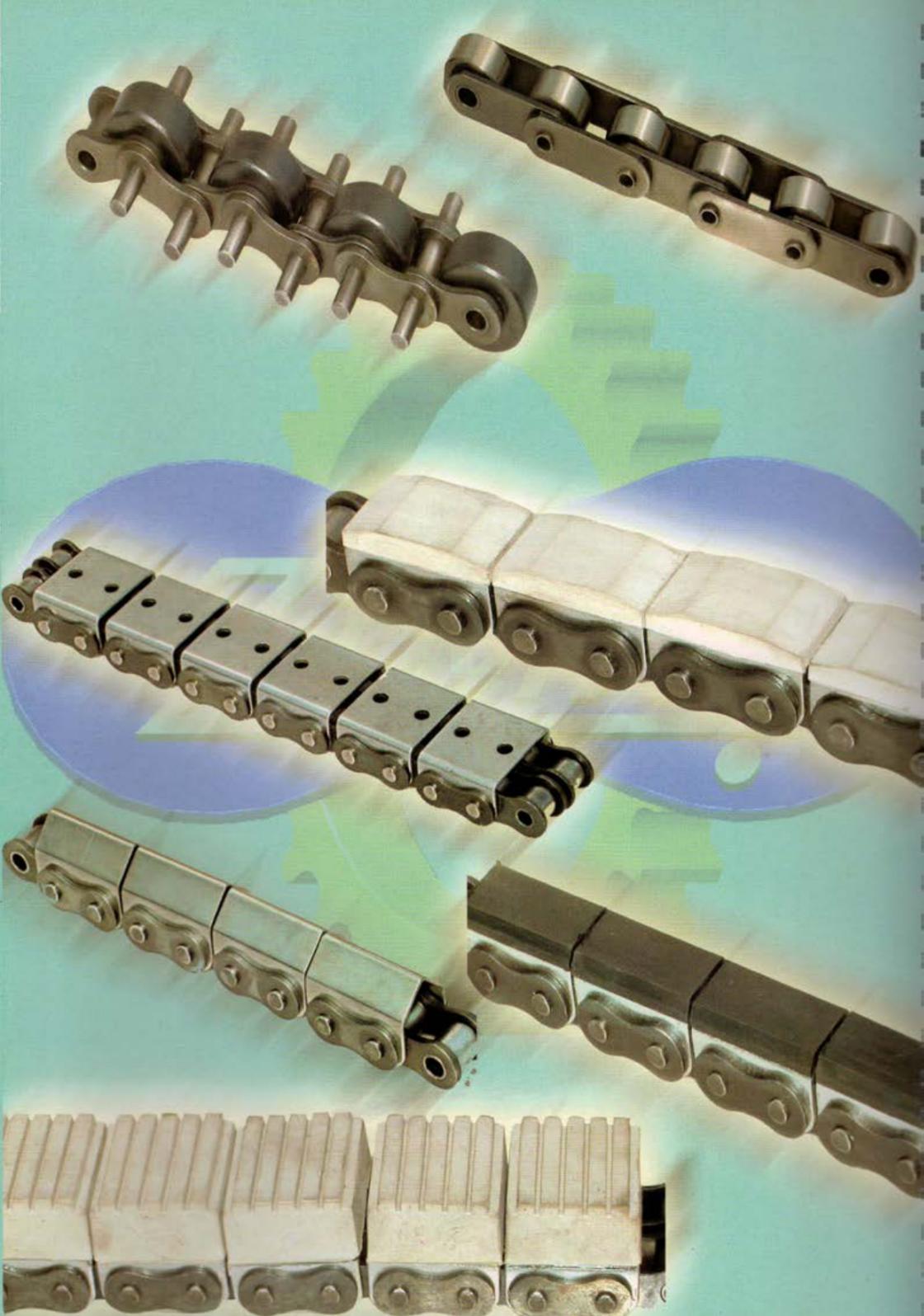
* Formlu bakla olarak üretiriz.

** Unsere geformten Laschen Produktion

** Düz formlu bakla olarak üretiriz.

** Unsere gerade geformten Laschen Produktion

MAKARALI ZİNCİRLER
ROLLENKETTEN
ROLLER CHAINS



	DIN	ISO	Sayfa
Makaralı U-Köprülü Zincirler (Norm Harici)	-	-	C - 1.2
Lastik Kaplamalı U-Köprülü Zincirler (Norm Harici)	-	-	C - 2.1
Lastik Kaplamalı U-Köprülü Zincirler (Norm Harici)	-	-	C - 2.2
Lastik Kaplamalı U-Köprülü Zincirler (Norm Harici)	-	-	C - 3.1
Dıştan Makaralı Zincirler	-	-	C - 3.2
Dıştan Makaralı Zincirler	-	-	C - 4.1
Pim Makaralı Zincirler (Norm Harici)	-	-	C - 4.2
Pim Makaralı Zincirler (Norm Harici)	-	-	C - 5.1
Pim Makaralı Zincirler (Norm Harici)	-	-	C - 5.2
Pim Makaralı Zincirler (Norm Harici)	-	-	C - 6.1

	DIN	ISO	Seite
Rollenketten Mit U-Bugeln (Werksnorm)	-	-	C - 1.2
Rollenketten Mit Gummiprofilen (Werksnorm)	-	-	C - 2.1
Rollenketten Mit Gummiprofilen (Werksnorm)	-	-	C - 2.2
Rollenketten Mit Gummiprofilen (Werksnorm)	-	-	C - 3.1
Stauförderketten	-	-	C - 3.2
Stauförderketten	-	-	C - 4.1
Hohlbolzenketten (Werksnorm)	-	-	C - 4.2
Hohlbolzenketten (Werksnorm)	-	-	C - 5.1
Hohlbolzenketten (Werksnorm)	-	-	C - 5.2
Hohlbolzenketten (Werksnorm)	-	-	C - 6.1

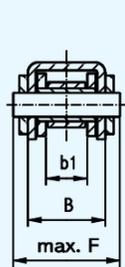
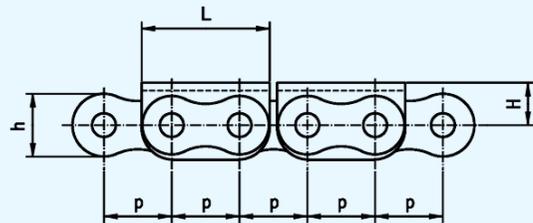
	DIN	ISO	Page
Roller Chains With U-Profile (to Works' standard)	-	-	C - 1.2
Roller Chains With Rubber Profile (to Works' standard)	-	-	C - 2.1
Roller Chains With Rubber Profile (to Works' standard)	-	-	C - 2.2
Roller Chains With Rubber Profile (to Works' standard)	-	-	C - 3.1
Chains With Outboards Rollers	-	-	C - 3.2
Chains With Outboards Rollers	-	-	C - 4.1
Hollow Pin Chains (to Works' standard)	-	-	C - 4.2
Hollow Pin Chains (to Works' standard)	-	-	C - 5.1
Hollow Pin Chains (to Works' standard)	-	-	C - 5.2
Hollow Pin Chains (to Works' standard)	-	-	C - 6.1



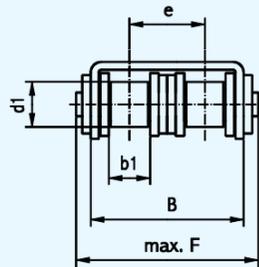
Hane
Zeilung
Pitch
İz Geçirlik
Lünette Weine
Width
Makarın Ø
Roller Ø
Bakla Geçirliği
Lançhanlıks
Height of Plate Link

Çapraz Hane
Overteiling
Transverse Pitch
Pim Boyu
Bolçanlänge
Pin Length

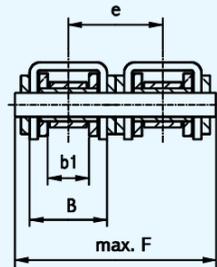
Zimas No.	DIN ISO	p mm.	b ₁ mm.	d ₁ mm.	h mm.	H mm.	B mm.	L mm.	e mm.	F mm.	TIP
Uk-01-01-12,70-1	08 B1	12,70	7,75	8,51	11,80	8,00	14,50	24,00	-	20,00	1
Uk-01-02-12,70-2	08 B2	12,70	7,75	8,51	11,80	8,30	28,40	24,00	13,92	34,00	2
Uk-01-03-15,875-1	10 B1	15,875	9,65	10,16	14,60	10,30	16,40	28,80	-	23,30	1
Uk-01-04-15,875-2	10 B2	15,875	9,65	10,16	14,60	10,30	32,80	28,80	16,59	39,30	2
Uk-01-05-19,05-1	12 B1	19,05	11,68	12,07	16,00	13,00	19,60	35,60	-	26,50	1
Uk-01-06-19,05-2	12 B2	19,05	11,68	12,07	16,00	11,00	32,80	35,60	19,46	45,50	2
Uk-01-07-25,40-1	16 B1	25,40	17,02	15,88	21,30	14,80	29,10	49,00	-	40,10	1
Uk-01-08-25,40-2	16 B2	25,40	17,02	15,88	21,30	14,80	29,10	49,00	31,88	74,80	3
Uk-01-09-31,75-1	20 B1	31,75	19,56	19,05	25,50	21	35,40	57,00	-	48,00	1
Uk-01-10-38,10-1	24 B1	38,10	25,40	25,40	33,00	28	46,00	71,00	-	62,50	1
DIN 8187				DIN 8187				DIN 8187			
Uk-02-01-19,05-1	12 A1	19,05	12,70	11,91	16,00	13,00	22,40	35,00	-	30,60	1
Uk-02-02-25,40-1	16 A1	25,40	15,88	15,88	24,00	16,00	27,20	49,00	-	36,50	1
Uk-02-03-25,40-2	16 A2	25,40	15,88	15,88	24,00	16,00	27,20	49,00	29,29	70,60	3
DIN 8188				DIN 8188				DIN 8188			



Tip - 1



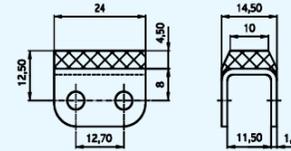
Tip - 2



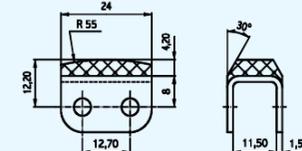
Tip - 3



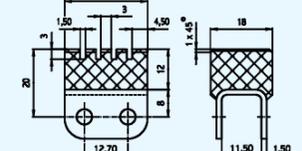
* 08 B1 - LK 1



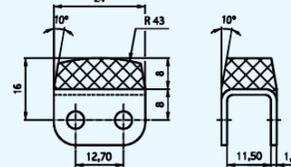
* 08 B1 - LK 2



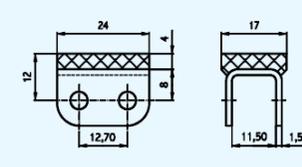
* 08 B1 - LK 3



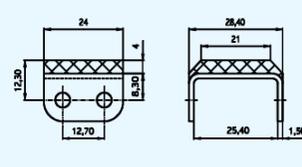
* 08 B1 - LK 4



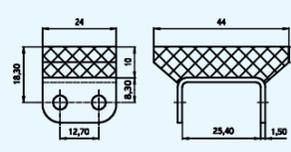
* 08 B1 - LK 5



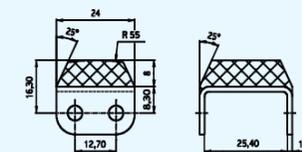
* 08 B2 - LK 1



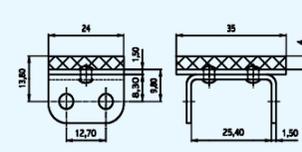
* 08 B2 - LK 2



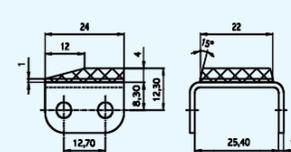
* 08 B2 - LK 3



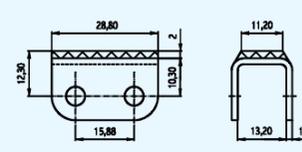
* 08 B2 - LK 4



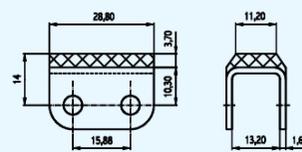
* 08 B2 - LK 5



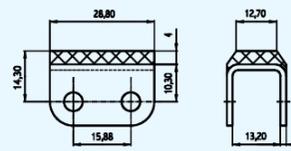
* 10 B1 - LK 1



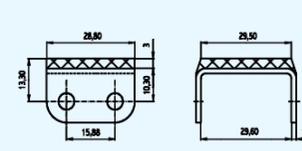
* 10 B1 - LK 2



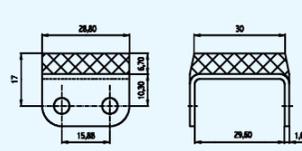
* 10 B1 - LK 3

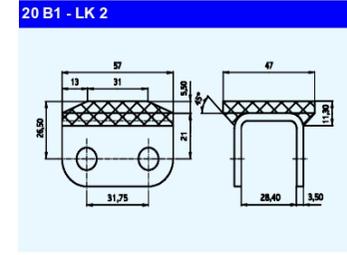
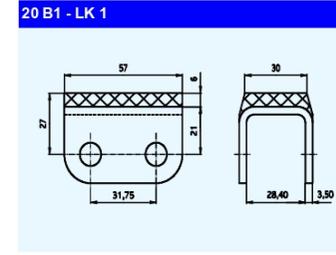
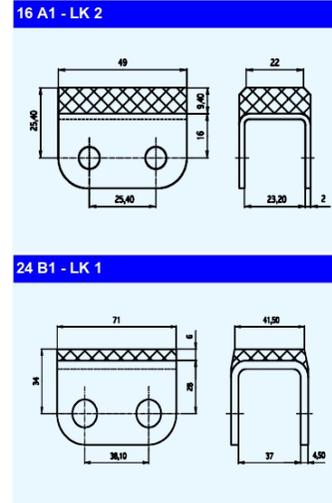
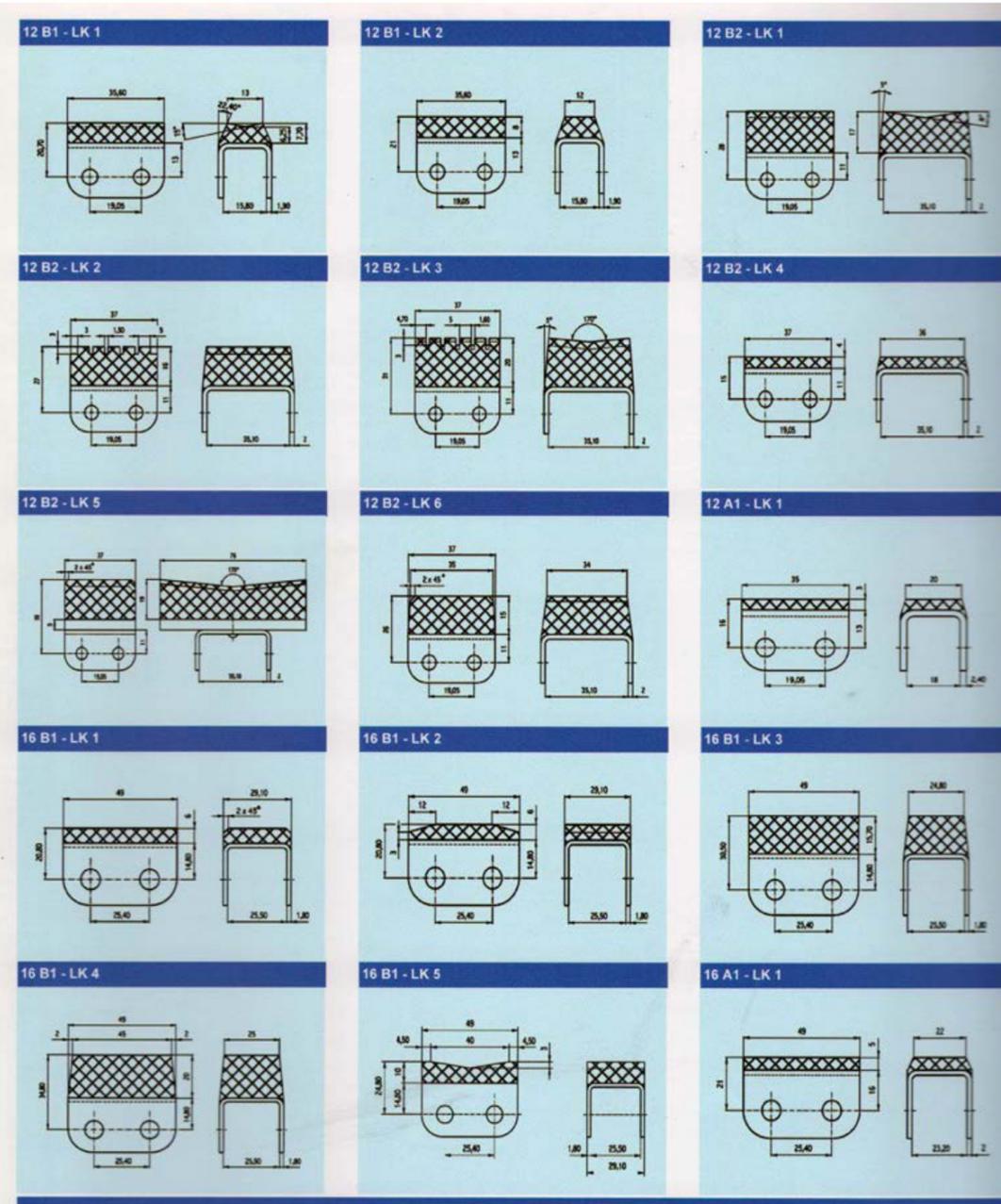


* 10 B2 - LK 1



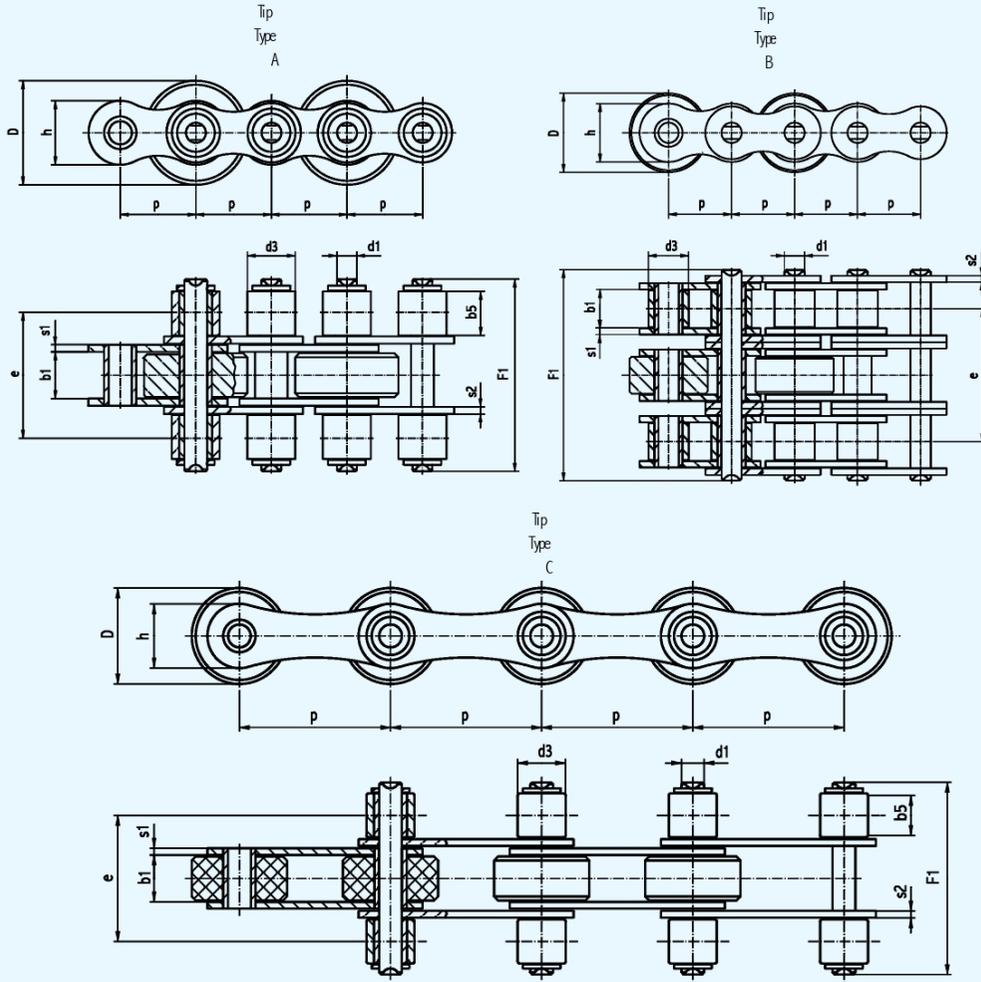
* 10 B2 - LK 2





Zayıf	:Schwach	:Poor	*
Orta	:Mittel	:Middle	**
İyi	:Gut	:Good	***
Çok iyi	:Sehr gut	:Very good	****

KAUÇUK MALZEMESİ GUMMI MATERIAL RUBBER MATERIAL	TABİİ KAUÇUK NATURKAUTSCHUK NATUR RUBBER	STİREN BUTADİEN STYROLBUTADIEN STYRENE BUTADIENE	NEOPREN KAUÇUK NEOPRENKAUTSCHUK NEOPREN RUBBER	NİTRİL KAUÇUK NITRILKAUTSCHUK NITRIL RUBBER
	NR	SBR	CR	NBR
Sertlik (min. - max.)				
Härte (min. - max.)	50 - 70 SHORE	45 - 75 SHORE	50 - 75 SHORE	50 - 75 SHORE
Hardness (min. - max.)				
Çalışma sıcaklığı				
Arbeitswärme	- 40°C/ + 85°C	- 30°C/ + 90°C	- 30°C/ + 95°C	- 30°C/ + 120°C
Working heat				
Renk	siyah / kahve	siyah / kahve	siyah / kahve / beyaz	siyah / kahve
Farbe	schwarz / braun	schwarz / braun	schwarz / braun / weiß	schwarz / braun
Colour	black / brown	black / brown	black / brown / white	black / brown
Kopma dayanımı (kg./cm ²)				
Bruchkraft (kg./cm ²)	210	130	180	150
Breaking load (kg./cm ²)				
Aşınma direnci	****	****	****	**
Abnutzungswiderstand				
Wear resistance				
Alev direnci	*	*	****	*
Flammenwiderstand				
Flame resistance				
Yağ direnci	*	*	**	****
Schmierwiderstand				
Grease resistance				
Yrıtılma direnci	****	****	***	**
Rissfestigkeit				
Pull resistance				

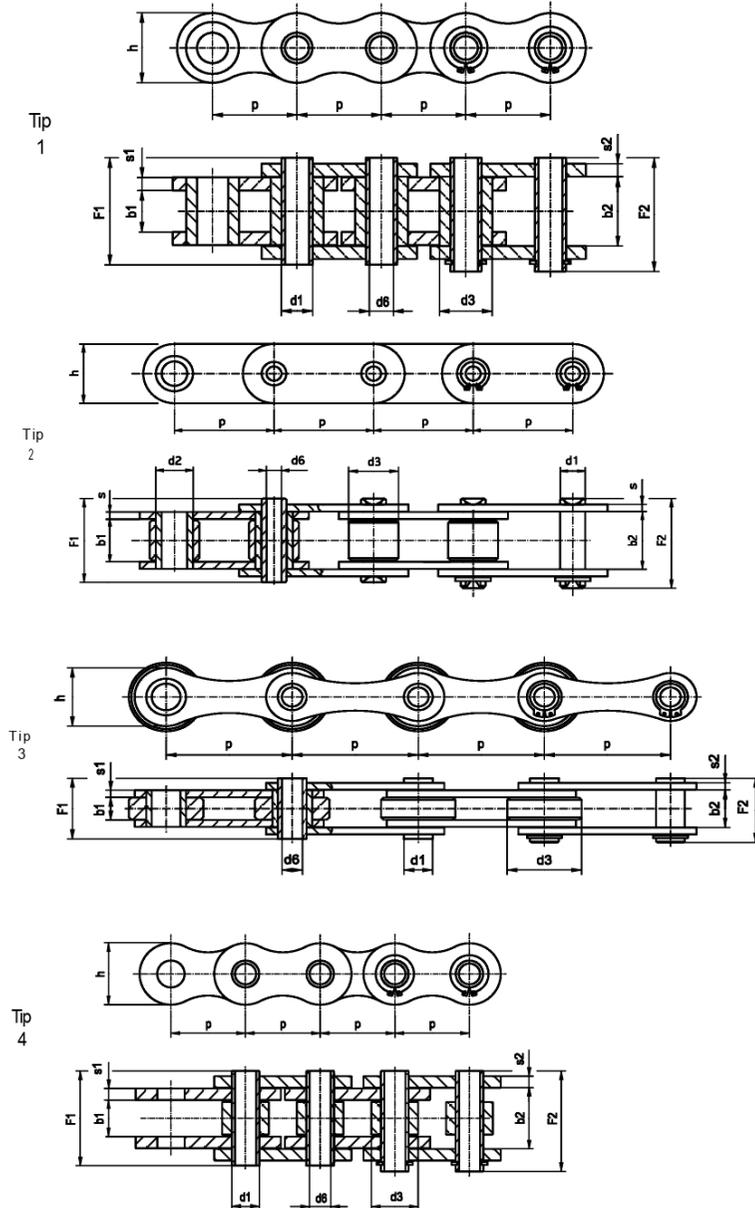


Zımaş No.	ISO	p mm.	b ₁ mm.	d ₁ mm.	d ₃ mm.	F ₁ mm.	h mm.	s ₁ mm.	s ₂ mm.	e mm.	D mm.	b ₅ mm.	F _B N	Tip
Dmz-01-01-9,525		9,525	5,72	3,30	6,35	34,00	8,30	1,30	1,30	20,48	9,20	-	16000	B
Dmz-01-02-9,525		9,525								20,48	15,00	-	16000	B
Dmz-01-03-12,70		12,70	7,75	4,45	8,51	27,00	11,80	1,60	1,60	19,10	16,00	4,20	18000	A
Dmz-01-04-12,70		12,70				27,00				20,00	16,00	4,50	18000	A
Dmz-01-05-12,70		12,70				27,00				20,00	17,00	4,50	18000	A
Dmz-01-06-12,70		12,70				33,00				22,00	16,00	7,20	18000	A
Dmz-01-07-12,70		12,70				33,00				22,00	17,00	7,20	18000	A
Dmz-01-08-12,70		12,70				45,20				27,84	16,00	-	45400	B
Dmz-01-09-12,70		12,70				45,20				27,84	17,00	-	45400	B
Dmz-01-10-19,05		19,05	11,68	5,72	12,07	48,00	16,00	1,70	1,70	31,50	24,00	11,00	29500	A
Dmz-01-11-19,05		19,05				48,00				31,50	26,00	11,00	29500	A
Dmz-01-12-19,05		19,05				48,00				31,50	28,00	11,00	29500	A
Dmz-01-13-19,05		19,05				61,50				38,92	24,00	-	88500	B
Dmz-01-14-19,05		19,05				61,50				38,92	26,00	-	88500	B
Dmz-01-15-19,05		19,05				61,50				38,92	28,00	-	88500	B
Dmz-01-16-25,40		25,40	17,02	8,28	15,88	66,00	21,30	4,00	3,00	44,90	15,88	12,40	58000	A
Dmz-01-17-25,40		25,40				66,00				44,90	38,50	12,40	58000	A
Dmz-01-18-25,40		25,40				99,00				63,76	38,50	-	160000	B
Dmz-01-19-25,40		25,40	7,75	4,45	8,51	33,00	11,80	1,60	1,60	22	18,00	7,20	18000	C
Dmz-01-20-25,40		25,40				33,00				22,70	24,00	7,20	18000	C
Dmz-01-21-25,40		25,40				33,00				22,70	26,00	7,20	18000	C
Dmz-01-22-38,10		38,10	11,68	5,72	12,07	48,00	16,50	1,70	1,70	31,50	24,00	11,00	29500	C
Dmz-01-23-38,10		38,10				48,00				31,50	26,00	11,00	29500	C
Dmz-01-24-38,10		38,10				48,00				31,50	28,00	11,00	29500	C
Dmz-01-25-50,80		50,80	17,02	8,28	15,88	65,00	21,00	4,00	3,00	44,90	38,50	12,40	58000	C
Dmz-01-26-50,80		50,80				65,00				44,90	40,00	12,40	58000	C
Dmz-01-27-50,80		50,80				65,00				44,90	50,00	12,40	58000	C

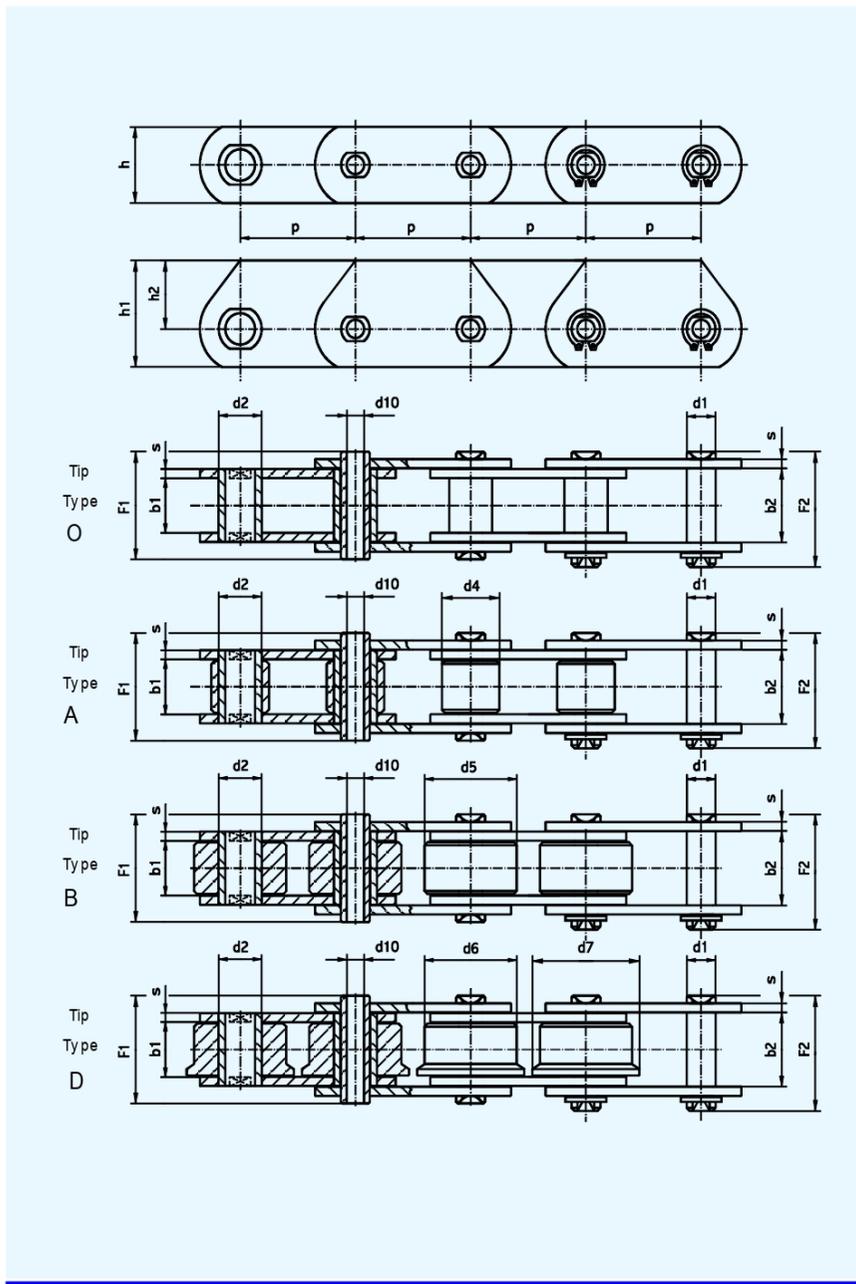
Makaralar (D) Çelik ve Plastik Malzemeden Yapılabilmektedir.

Rollen (D) können aus stahl und kunststoff produziert werden.

Rollers (D) are available to produce from steel and plastic.



Zimaş No.	ISO	p mm.	b ₁ mm.	b ₂ mm.	d ₁ mm.	d ₃ mm.	d ₆ mm.	F ₁ mm.	F ₂ mm.	h mm.	s ₁ mm.	s ₂ mm.	Tip	F _B N	q kg/m
Pm-03-01-12,70	08 B	12,70	7,75	11,50	6,20	8,51	4,50	17,00	18,00	11,80	1,60	1,60	1	10000	0,65
Pm-03-02-12,70	HP 40	12,70	7,95	11,50	5,55	7,92	4,00	17,20	18,20	11,80	1,60	1,60	1	10800	0,53
Pm-03-03-15,875	HP 50	15,875	9,53	14,10	7,05	10,16	5,10	21,00	22,00	14,60	2,00	2,00	1	19600	0,86
Pm-03-04-19,05	HP 60	19,05	12,70	18,00	8,15	11,91	5,98	26,00	27,20	16,00	2,40	2,40	1	26500	1,27
Pm-04-01-25,40	HP 2040	25,40	7,95	11,50	5,55	7,92	4,00	17,20	18,20	11,80	1,60	1,60	2	11000	0,40
Pm-04-02-31,75	HP 2050	31,75	9,53	14,10	7,05	10,16	5,10	21,00	22,00	15	2,00	2,00	2	19600	0,70
Pm-04-03-31,75	HP 2052	31,75	9,53	14,10	7,05	19,05	5,10	21,00	22,00	15	2,00	2,00	2	19600	1,29
Pm-04-04-38,10	HP 2060	38,10	12,70	18,00	8,15	11,91	5,98	26,00	27,20	18	2,40	2,40	2	26500	1,40
Pm-04-05-38,10	HP 2062	38,10	12,70	18,00	8,15	22,22	5,98	26,00	27,20	18	2,40	2,40	2	26500	2,03
Pm-05-01-50,00	HB 50	50,00	10,00	16,50	11,60	30,00	8,20	26,50	28,50	25,40	3,00	3,00	3	35000	2,25
Pm-05-02-50,80	HB 50,80	50,80	10,00	16,50	11,60	30,00	8,20	26,50	28,50	25,40	3,00	3,00	3	35000	2,20
Pm-05-03-63,00	HB 63	63,00	10,00	16,50	11,60	30,00	8,20	26,50	28,50	25,40	3,00	3,00	3	35000	2,00
Pm-05-04-100,00	HB 100	100,00	10,00	16,50	11,60	30,00	8,20	26,50	28,50	25,40	3,00	3,00	3	35000	1,50
Pm-06-01-12,70	08 B	12,70	7,75	11,50	6,20	8,51	4,50	17,00	18,00	11,80	1,60	1,60	4	10000	0,65
Pm-06-02-15,875	10 A	15,875	9,53	14,10	7,05	10,16	5,10	21,00	22,00	14,60	2,00	2,00	4	15000	0,86
Pm-06-03-19,05	12 B	19,05	11,68	16,50	8,15	12,07	5,00	21,00	23,00	16,00	1,70	1,70	4	25000	1,27
Pm-06-04-19,05	12 A	19,05	12,70	18	8,15	11,91	5,98	26,00	27,20	16,00	2,40	2,40	4	25000	1,27
Pm-06-05-25,40	16 B	25,40	17,02	25,50	11,60	15,88	8,30	36,00	37,00	21,30	3,00	3,00	4	30000	1,20
Pm-07-01-50,00	-	50,00	10,00	17,00	11,60	30,00	8,20	27,00	29,00	25,40	3,00	3,00	3	35000	2,25
Pm-07-02-50,80	-	50,80	10,00	17,00	11,60	30,00	8,20	27,00	29,00	25,40	3,00	3,00	3	35000	2,20
Pm-07-03-63,00	-	63,00	10,00	17,00	11,60	30,00	8,20	27,00	29,00	26,00	3,00	3,00	3	35000	2,00
Pm-07-04-63,50	-	63,50	10,00	17,00	11,60	30,00	8,20	27,00	29,00	26,00	3,00	3,00	3	35000	1,95
Pm-07-05-76,20	-	76,20	10,00	17,00	11,60	30,00	8,20	27,00	29,00	26,00	3,00	3,00	3	35000	1,90
Pm-07-06-100,00	-	100,00	10,00	17,00	11,60	30,00	8,20	27,00	29,00	26,00	3,00	3,00	3	35000	1,50
Pm-07-07-101,60	-	101,60	10,00	17,00	11,60	30,00	8,20	27,00	29,00	26,00	3,00	3,00	3	35000	1,50



ZİMAŞ No.	ISO	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	N min.
		<i>Teilhöhe</i>	<i>Pinch</i>	<i>Pinch</i>	<i>Pinch</i>	<i>Pinch</i>	<i>Pinch</i>	<i>Pinch</i>	<i>Pinch</i>	<i>Pinch</i>	<i>Pinch</i>	<i>Pinch</i>	<i>Pinch</i>	<i>Pinch</i>	<i>Pinch</i>	<i>Pinch</i>
		<i>Pinch</i>	<i>Pinch</i>	<i>Pinch</i>	<i>Pinch</i>	<i>Pinch</i>	<i>Pinch</i>	<i>Pinch</i>	<i>Pinch</i>	<i>Pinch</i>	<i>Pinch</i>	<i>Pinch</i>	<i>Pinch</i>	<i>Pinch</i>	<i>Pinch</i>	<i>Pinch</i>
Pm-08-01-50	HP 40	50	17	26	12	18	26	45	45/55	8,20	4,50	38	39,50	30	4	40000
Pm-08-01-75		75														
Pm-08-01-100		100														
Pm-08-01-125		125														
Pm-08-01-150		150														
Pm-08-02-75	HP 50	75	22	31	14	20	30	50	50/65	10,20	5	43	44,5	35	4	50000
Pm-08-02-100		100														
Pm-08-02-125		125														
Pm-08-02-150		150														
Pm-08-02-200		200														
Pm-08-03-75	HP 60	75	25	36	16	22	32	60	60/75	11,20	6,50	52	53,50	35	5	60000
Pm-08-03-100		100														
Pm-08-03-125		125														
Pm-08-03-150		150														
Pm-08-03-200		200														
Pm-08-04-100	HP 80	100	28	41	18	26	36	60	60/75	12,20	7	59	60,50	40	6	80000
Pm-08-04-125		125														
Pm-08-04-150		150														
Pm-08-04-200		200														
Pm-08-04-250		250														
Pm-08-05-100	HP 100	100	30	43	20	30	42	70	70/85	14,20	7,50	61	62,50	50	6	100000
Pm-08-05-125		125														
Pm-08-05-150		150														
Pm-08-05-200		200														
Pm-08-05-250		250														
Pm-08-06-100	HP 120	100	35	50	20	30	42	70	70/85	14,20	9	70	71,50	50	7	120000
Pm-08-06-125		125														
Pm-08-06-150		150														
Pm-08-06-200		200														
Pm-08-06-250		250														
Pm-08-07-100	HP 150	100	38	55,50	22	32	42	70	70/85	16,20	9	79,50	81,30	50	8	150000
Pm-08-07-125		125														
Pm-08-07-150		150														
Pm-08-07-200		200														
Pm-08-07-250		250														
Pm-08-08-125	HP 180	125	42	59,50	26	36	50	80	80/100	18,20	9,50	83,50	85,30	60	8	180000
Pm-08-08-150		150														
Pm-08-08-200		200														
Pm-08-08-250		250														
Pm-08-08-300		300														



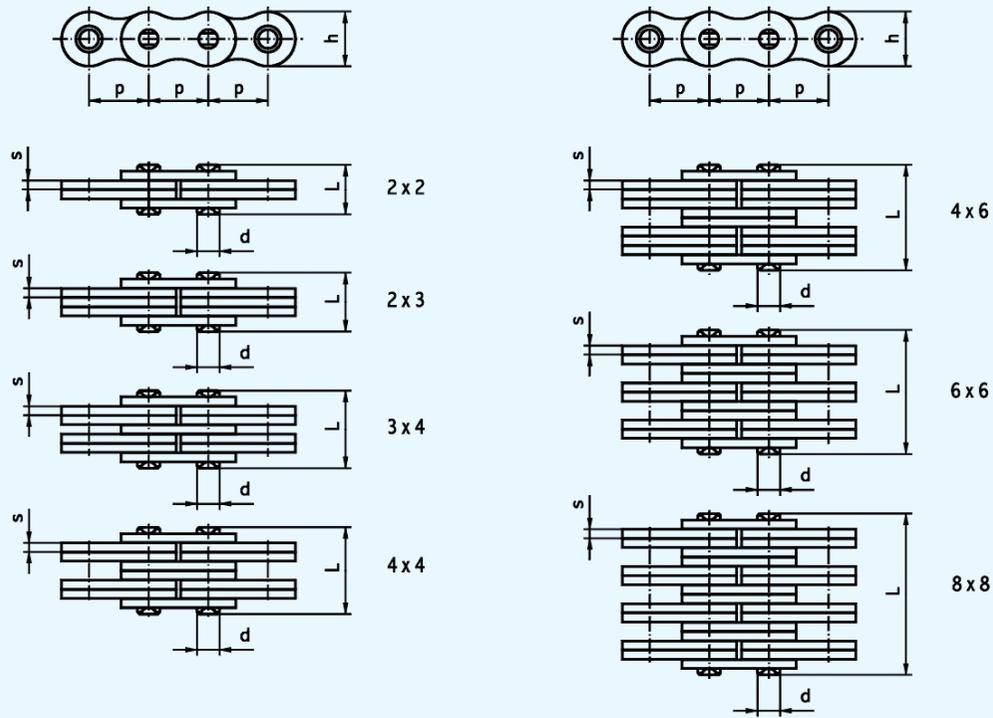
ZİMAŞ

FLEYER – SABİT BURÇLU – GALL – API ZİNCİRLERİ
FLYERKETTEN – BUCHSENKETTEN – GALLKETTEN – ROTARYKETTEN
LEAF CHAINS – BUSH CHAINS – GALLE CHAINS – ROTARY API CHAINS

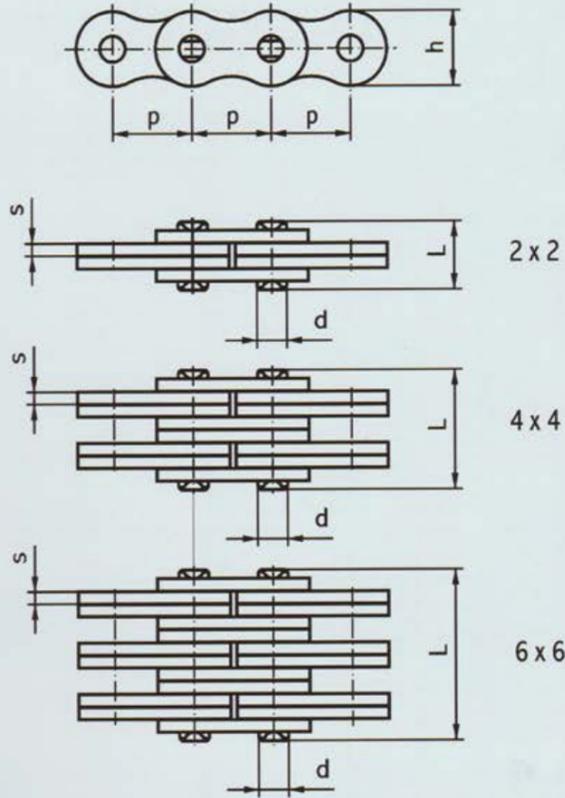
	DIN	ISO	Sayfa
Fleyer zincirler "LH"	8152-3	4347	D - 1.2
Fleyer zincirler "LH"	8152-3	4347	D - 2.1
Fleyer zincirler "LL"	8152-1	4347	D - 2.2
Fleyer zincirler "AL"	-	-	D - 3.1
Sabit Burçlu Zincirler	8164	-	D - 3.2
Tarak Şapka Zincirler (Norm Harici)	-	-	D - 4.1
Gall Zincirleri	8156-8157	-	D - 4.2
Gall Zincirleri	8150	-	D - 5.1
Api Zincirleri	8182	-	D - 5.2
Api Zincirleri (Norm Harici)	-	-	D - 6.1
Sessiz Zincirler (Norm Harici)	-	-	D - 6.2
Sessiz Zincirler (Norm Harici)	-	-	D - 7.1

	DIN	ISO	Seite
Flyerketten "LH"	8152-3	4347	D - 1.2
Flyerketten "LH"	8152-3	4347	D - 2.1
Flyerketten "LL"	8152-1	4347	D - 2.2
Flyerketten "AL"	-	-	D - 3.1
Buchsenketten	8164	-	D - 3.2
Spez.Ketten Für Die Textil Ind. (Werksnorm)	-	-	D - 4.1
Gallketten	8156-8157	-	D - 4.2
Gallketten	8150	-	D - 5.1
Rotaryketten Nach Api	8182	-	D - 5.2
Rotaryketten Nach Api (Werksnorm)	-	-	D - 6.1
Hochleistungs-Zahnketten (Werksnorm)	-	-	D - 6.2
Hochleistungs-Zahnketten (Werksnorm)	-	-	D - 7.1

	DIN	ISO	Page
Leaf Chains "LH"	8152-3	4347	D - 1.2
Leaf Chains "LH"	8152-3	4347	D - 2.1
Leaf Chains "LL"	8152-1	4347	D - 2.2
Leaf Chains "AL"	-	-	D - 3.1
Bush Chains	8164	-	D - 3.2
Textile Machinery Chains (to Works' standard)	-	-	D - 4.1
Gall Chains	8156-8157	-	D - 4.2
Gall Chains	8150	-	D - 5.1
Rotary Api Chains	8182	-	D - 5.2
Rotary Api Chains (to Works' standard)	-	-	D - 6.1
Silent Chains (to Works' standard)	-	-	D - 6.2
Silent Chains (to Works' standard)	-	-	D - 7.1



Zımaş No.	DIN	ANSI No.	p mm.	h mm.	s mm.	d ₁ mm.	L mm.	F _B N	q kg/m	
FI-01-01-12,70	LH 0822	BL 422	12,70	2 x 2	11,80	2,00	5,08	10,90	22200	0,63
FI-01-02-12,70	LH 0823	BL 423	12,70	2 x 3	11,80	2,00	5,08	13,00	22200	0,78
FI-01-03-12,70	LH 0834	BL 434	12,70	3 x 4	11,80	2,00	5,08	17,10	33300	1,08
FI-01-04-12,70	LH 0844	BL 444	12,70	4 x 4	11,80	2,00	5,08	19,20	44400	1,23
FI-01-05-12,70	LH 0846	BL 446	12,70	4 x 6	11,80	2,00	5,08	23,40	44400	1,53
FI-01-06-12,70	LH 0866	BL 466	12,70	6 x 6	11,80	2,00	5,08	27,60	89000	1,83
FI-01-07-12,70	LH 0888	BL 488	12,70	8 x 8	11,80	2,00	5,08	36,00	100000	2,43
FI-01-08-15,875	LH 1023	BL 523	15,875	2 x 3	14,60	2,40	6,00	15,60	32600	1,18
FI-01-09-15,875	LH 1034	BL 534	15,875	3 x 4	14,60	2,40	6,00	20,50	48900	1,63
FI-01-10-15,875	LH 1044	BL 544	15,875	4 x 4	14,60	2,40	6,00	23,10	65200	1,86
FI-01-11-15,875	LH 1046	BL 546	15,875	4 x 6	14,60	2,40	6,00	28,00	65200	2,32
FI-01-12-15,875	LH 1066	BL 566	15,875	6 x 6	14,60	2,40	6,00	32,80	110000	2,77
FI-01-13-15,875	LH 1088	BL 588	15,875	8 x 8	14,60	2,40	6,00	42,60	130000	3,68
FI-01-14-19,05	LH 1223	BL 623	19,05	2 x 3	18,00	3,00	7,92	19,80	48900	1,92
FI-01-15-19,05	LH 1234	BL 634	19,05	3 x 4	18,00	3,00	7,92	25,40	73400	2,66
FI-01-16-19,05	LH 1244	BL 644	19,05	4 x 4	18,00	3,00	7,92	28,50	97800	3,03
FI-01-17-19,05	LH 1246	BL 646	19,05	4 x 6	18,00	3,00	7,92	34,60	97800	3,78
FI-01-18-19,05	LH 1266	BL 666	19,05	6 x 6	18,00	3,00	7,92	41,00	180000	4,52
FI-01-19-19,05	LH 1288	BL 688	19,05	8 x 8	18,00	3,00	7,92	53,00	239000	6,00
FI-01-20-25,40	LH 1622	BL 822	25,40	2 x 2	24,00	4,00	9,53	21,00	84500	2,40
FI-01-21-25,40	LH 1623	BL 823	25,40	2 x 3	24,00	4,00	9,53	25,10	84500	2,98
FI-01-22-25,40	LH 1634	BL 834	25,40	3 x 4	24,00	4,00	9,53	33,40	126700	4,14
FI-01-23-25,40	LH 1644	BL 844	25,40	4 x 4	24,00	4,00	9,53	37,60	169000	4,72
FI-01-24-25,40	LH 1646	BL 846	25,40	4 x 6	24,00	4,00	9,53	45,80	169000	5,88
FI-01-25-25,40	LH 1666	BL 866	25,40	6 x 6	24,00	4,00	9,53	54,00	275000	7,04
FI-01-26-25,40	LH 1688	BL 888	25,40	8 x 8	24,00	4,00	9,53	70,40	328000	9,37
FI-01-27-31,75	LH 2022	BL 1022	31,75	2 x 2	30,00	5,00	11,10	25,70	115700	3,57
FI-01-28-31,75	LH 2023	BL 1023	31,75	2 x 3	30,00	5,00	11,10	30,80	115700	4,44
FI-01-29-31,75	LH 2034	BL 1034	31,75	3 x 4	30,00	5,00	11,10	41,00	173600	6,17
FI-01-30-31,75	LH 2044	BL 1044	31,75	4 x 4	30,00	5,00	11,10	46,10	231400	7,04
FI-01-31-31,75	LH 2046	BL 1046	31,75	4 x 6	30,00	5,00	11,10	56,30	231400	8,78
FI-01-32-31,75	LH 2066	BL 1066	31,75	6 x 6	30,00	5,00	11,10	66,50	407000	10,52
FI-01-33-31,75	LH 2088	BL 1088	31,75	8 x 8	30,00	5,00	11,10	86,90	452000	13,99
FI-01-34-38,10	LH 2434	BL 1234	38,10	3 x 4	36,50	5,50	12,70	45,20	226800	9,25
FI-01-35-38,10	LH 2446	BL 1246	38,10	4 x 6	36,50	5,50	12,70	62,50	302400	13,16
FI-01-36-38,10	LH 2466	BL 1266	38,10	6 x 6	36,50	5,50	12,70	73,20	444000	15,77
FI-01-37-38,10	LH 2488	BL 1288	38,10	8 x 8	36,50	5,50	12,70	95,60	595000	20,98
FI-01-38-44,45	LH 2834	BL 1434	44,45	3 x 4	42,00	6,50	14,28	53,20	286900	12,14
FI-01-39-44,45	LH 2846	BL 1446	44,45	4 x 6	42,00	6,50	14,28	73,10	382600	17,28
FI-01-40-50,80	LH 3234	BL 1634	50,80	3 x 4	47,00	7,00	17,75	57,80	433600	15,67
FI-01-41-50,80	LH 3244	BL 1644	50,80	4 x 4	47,00	7,00	17,75	64,90	578200	17,87
FI-01-42-50,80	LH 3246	BL 1646	50,80	4 x 6	47,00	7,00	17,75	79,10	578200	22,29
FI-01-43-50,80	LH 3266	BL 1666	50,80	6 x 6	47,00	7,00	17,75	93,30	858000	26,70
FI-01-44-50,80	LH 3288	BL 1688	50,80	8 x 8	47,00	7,00	17,75	121,70	1147000	35,53
FI-01-45-63,50	LH 4023	BL 2023	63,50	2 x 3	60,00	10,00	23,80	60,50	433600	19,80
FI-01-46-63,50	LH 4034	BL 2034	63,50	3 x 4	60,00	10,00	23,80	81,10	650500	27,70
FI-01-47-63,50	LH 4044	BL 2044	63,50	4 x 4	60,00	10,00	23,80	91,40	867300	31,60
FI-01-48-63,50	LH 4046	BL 2046	63,50	4 x 6	60,00	10,00	23,80	112,00	867300	39,50
FI-01-49-63,50	LH 4066	BL 2066	63,50	6 x 6	60,00	10,00	23,80	132,60	1301100	47,40



Zİmaş No.

DIN

p mm.

h mm.

s mm.

d₁ mm.

L mm.

F_B N

q kg/m

Zİmaş No.	DIN	p mm.	h mm.	s mm.	d ₁ mm.	L mm.	F _B N	q kg/m	
FI-02-01-12,70	LL 0822	12,70	2 x 2	11,00	1,60	4,45	9,00	18000	0,39
FI-02-02-12,70	LL 0844	12,70	4 x 4	11,00	1,60	4,45	15,50	36000	0,74
FI-02-03-12,70	LL 0866	12,70	6 x 6	11,00	1,60	4,45	22,20	54000	1,10
FI-02-04-15,875	LL 1022	15,875	2 x 2	13,20	1,60	5,08	9,40	28000	0,50
FI-02-05-15,875	LL 1044	15,875	4 x 4	13,20	1,60	5,08	15,90	50000	0,96
FI-02-06-15,875	LL 1066	15,875	6 x 6	13,20	1,60	5,08	22,40	78000	1,39
FI-02-07-19,05	LL 1222	19,05	2 x 2	14,80	1,70	5,72	10,40	33000	0,59
FI-02-08-19,05	LL 1244	19,05	4 x 4	14,80	1,70	5,72	17,50	66000	1,15
FI-02-09-19,05	LL 1266	19,05	6 x 6	14,80	1,70	5,72	24,40	99000	1,70
FI-02-10-25,40	LL 1622	25,40	2 x 2	21,30	3,00	8,28	16,10	70000	1,56
FI-02-11-25,40	LL 1644	25,40	4 x 4	21,30	3,00	8,28	28,10	140000	3,04
FI-02-12-25,40	LL 1666	25,40	6 x 6	21,30	3,00	8,28	41,00	210000	4,53
FI-02-13-31,75	LL 2022	31,75	2 x 2	25,50	4,00	10,17	21,40	105000	2,91
FI-02-14-31,75	LL 2044	31,75	4 x 4	25,50	4,00	10,17	38,00	210000	3,03
FI-02-15-31,75	LL 2066	31,75	6 x 6	25,50	4,00	10,17	54,20	315000	5,86
FI-02-16-38,10	LL 2422	38,10	2 x 2	33,00	5,00	14,63	26,50	175000	4,18
FI-02-17-38,10	LL 2444	38,10	4 x 4	33,00	5,00	14,63	47,10	350000	8,48
FI-02-18-38,10	LL 2466	38,10	6 x 6	33,00	5,00	14,63	68,00	525000	12,20
FI-02-19-44,45	LL 2822	44,45	2 x 2	37,00	6,00	15,87	31,40	210000	6,25
FI-02-20-44,45	LL 2844	44,45	4 x 4	37,00	6,00	15,87	56,20	410000	12,20
FI-02-21-44,45	LL 2866	44,45	6 x 6	37,00	6,00	15,87	81,00	605000	18,20
FI-02-22-50,80	LL 3222	50,80	2 x 2	42,20	6,00	17,75	32,90	285000	8,73
FI-02-23-50,80	LL 3244	50,80	4 x 4	42,20	6,00	17,75	57,70	530000	13,10
FI-02-24-50,80	LL 3266	50,80	6 x 6	42,20	6,00	17,75	82,50	800000	19,50

LL Serisi

LL Serisi

LL Serisi

Zİmaş No.	DIN	p mm.	h mm.	s mm.	d ₁ mm.	L mm.	F _B N	q kg/m	
FI-03-01-12,70	AL 422	12,70	2 x 2	11,00	1,60	3,96	9,00	17000	0,40
FI-03-02-12,70	AL 444	12,70	4 x 4	11,00	1,60	3,96	15,60	34000	0,70
FI-03-03-12,70	AL 466	12,70	6 x 6	11,00	1,60	3,96	22,20	51000	1,10
FI-03-04-15,875	AL 544	15,875	4 x 4	13,20	2,00	5,08	19,40	58000	1,10
FI-03-05-15,875	AL 566	15,875	6 x 6	13,20	2,00	5,08	27,60	90000	1,70
FI-03-06-19,05	AL 622	19,05	2 x 2	14,80	2,40	5,94	12,90	40000	0,75
FI-03-07-19,05	AL 644	19,05	4 x 4	14,80	2,40	5,94	22,70	80000	1,66
FI-03-08-19,05	AL 666	19,05	6 x 6	14,80	2,40	5,94	32,50	120000	2,48
FI-03-09-25,40	AL 822	25,40	2 x 2	21,30	3,00	7,92	17,50	73000	1,45
FI-03-10-25,40	AL 844	25,40	4 x 4	21,30	3,00	7,92	29,90	145000	2,99
FI-03-11-25,40	AL 866	25,40	6 x 6	21,30	3,00	7,92	42,30	200000	4,37
FI-03-12-31,75	AL 1044	31,75	4 x 4	25,50	4,00	9,53	38,20	200000	4,51
FI-03-13-31,75	AL 1066	31,75	6 x 6	25,50	4,00	9,53	54,60	300000	6,73
FI-03-14-38,10	AL 1244	38,10	4 x 4	30,00	5,00	11,10	46,50	245000	6,74
FI-03-15-38,10	AL 1266	38,10	6 x 6	30,00	5,00	11,10	66,90	368000	10,10
FI-03-16-44,45	AL 1444	44,45	4 x 4	37,00	5,50	12,70	51,00	380000	10,34
FI-03-17-44,45	AL 1466	44,45	6 x 6	37,00	5,50	12,70	73,40	570000	15,16
FI-03-18-38,10	AL 1644	50,80	4 x 4	43,50	6,00	14,28	57,40	480000	12,98
FI-03-19-38,10	AL 1666	50,80	6 x 6	43,50	6,00	14,28	82,20	720000	19,41

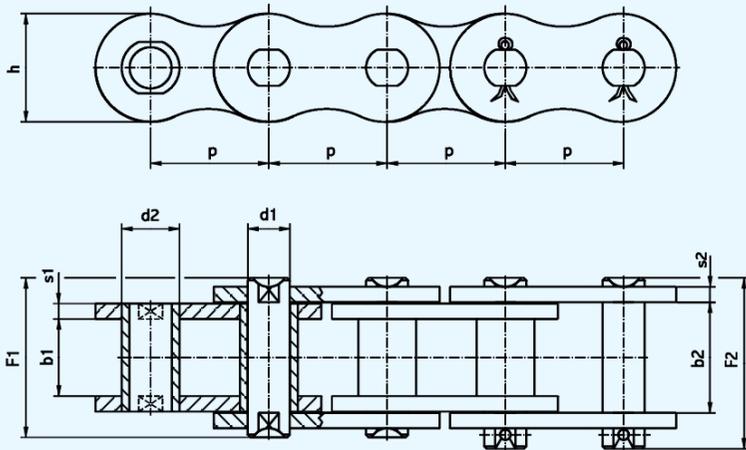
AL Serisi

AL Serisi

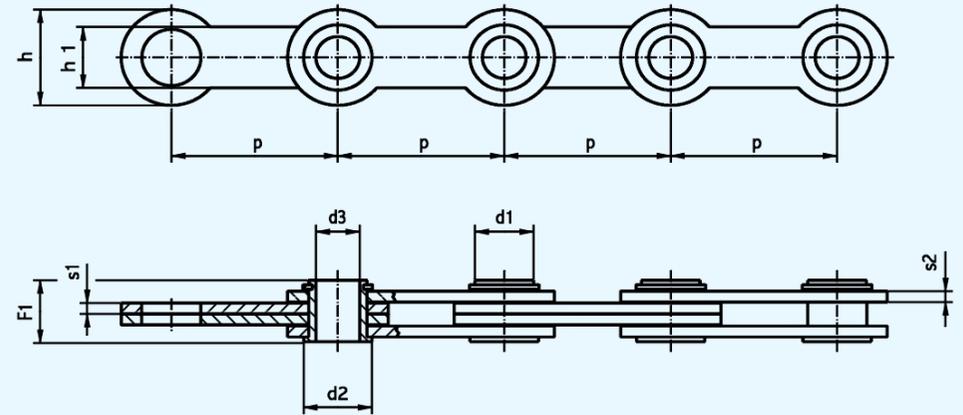
AL Serisi



Zımaş No.	p mm.	b ₁ mm.	b ₂ mm.	d ₁ mm.	d ₂ mm.	F ₁ mm.	F ₂ mm.	h mm.	s ₁ mm.	s ₂ mm.	f cm. ²	F _B N	q kg/m
Sb-01-01-15	15	14	19	6	9	26,50	28,50	14	2	2	1,11	12500	1,2
Sb-01-02-20	20	16	23	8	12	33,00	35,50	18,40	3	3	1,84	25000	2,1
Sb-01-03-25	25	18	25	10	15	36,00	39,50	21,30	3	3	2,50	31500	2,6
Sb-01-04-30	30	20	29	11	17	42,50	46,00	25,50	4	4	3,19	40000	4,0
Sb-01-05-35	35	22	31	12	18	45,00	48,50	30	4	4	3,72	50000	4,3
Sb-01-06-40	40	25	36	14	20	52,00	56,50	33	5	5	5,04	63000	6,0
Sb-01-07-45	45	30	43	16	22	62,00	66,50	40	6	6	6,88	80000	7,6
Sb-01-08-50	50	35	48	18	26	68,00	72,50	43,50	6	6	8,64	100000	9,0
Sb-01-09-55	55	45	62,50	20	30	86,50	92,00	50	8	8	12,60	125000	13,6
Sb-01-10-60	60	50	67,50	22	32	92,50	98,00	52,50	8	8	14,96	160000	14,9
Sb-01-11-65	65	55	73	26	36	99,00	105,50	60	8	8	18,98	200000	18,9
Sb-01-12-70	70	65	87	30	42	119,00	125,50	67	10	10	26,10	250000	24,7
Sb-01-13-80	80	70	97	32	44	134,00	142,50	70	12	12	30,72	315000	31,0
Sb-01-14-90	90	80	107	36	50	146,00	154,50	85	12	12	38,16	400000	41,8
Sb-01-15-100	100	90	117	42	56	158,00	166,50	95	12	12	48,72	500000	48,4



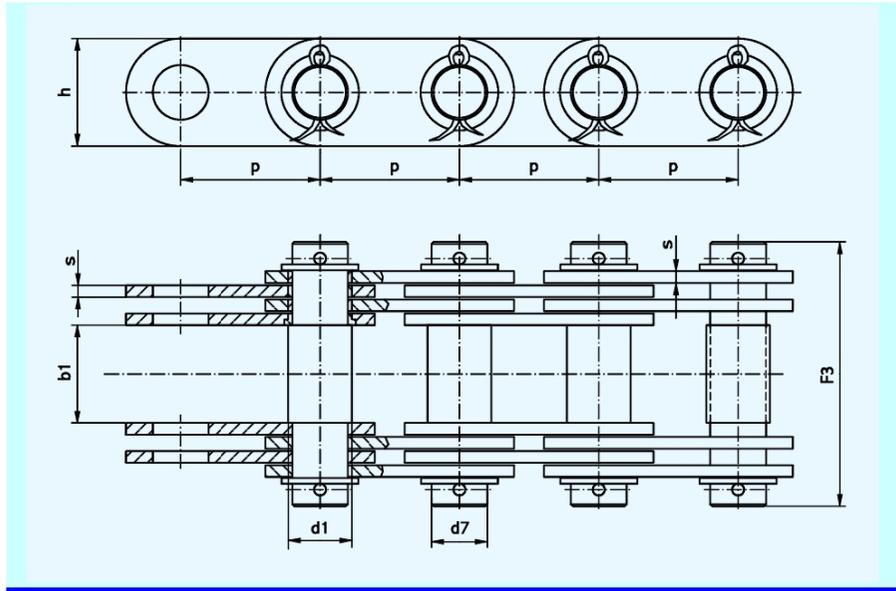
Zımaş No.	p mm.	h mm.	h ₁ mm.	d ₁ mm.	d ₂ mm.	d ₃ mm.	F ₁ mm.	s ₁ mm.	s ₂ mm.	f cm. ²	F _B N	q kg/m
TŞ-01-01-36,50	36,50	22	14	12,85	16	10,10	13,30	2,20	2,20	1,40	25000	0,92
TŞ-01-02-36,50	36,50	22	14	12,95	15,50	9,60	14,50	2,50	2,50	1,40	28000	0,92
TŞ-01-03-36,50	36,50	21,50	16,50	13,95	16	10,30	13,40	2,20	2,20	1,50	20000	0,92
TŞ-01-04-36,50	36,50	22	14	12,95	16	10,10	13,30	2,20	2,20	1,50	25000	1,05
TŞ-01-05-37,30	37,30	22	14	12,95	16	9,60	14,70	2,75	2,75	1,75	31000	0,97
TŞ-01-06-37,30	37,30	22	14	12,95	16	10,20	14,70	2,75	2,75	1,75	31000	0,97
TŞ-01-07-38,10	38,10	22	14	12,95	15	10,10	16,00	3,00	3,00	2,00	33500	1,28
TŞ-01-08-38,10	38,10	22	14	12,95	15	9,60	14,00	2,50	2,50	2,00	28000	1,28
TŞ-01-09-38,10	38,10	22	14	12,95	15	9,60	15,00	2,50	2,50	2,00	28000	1,28



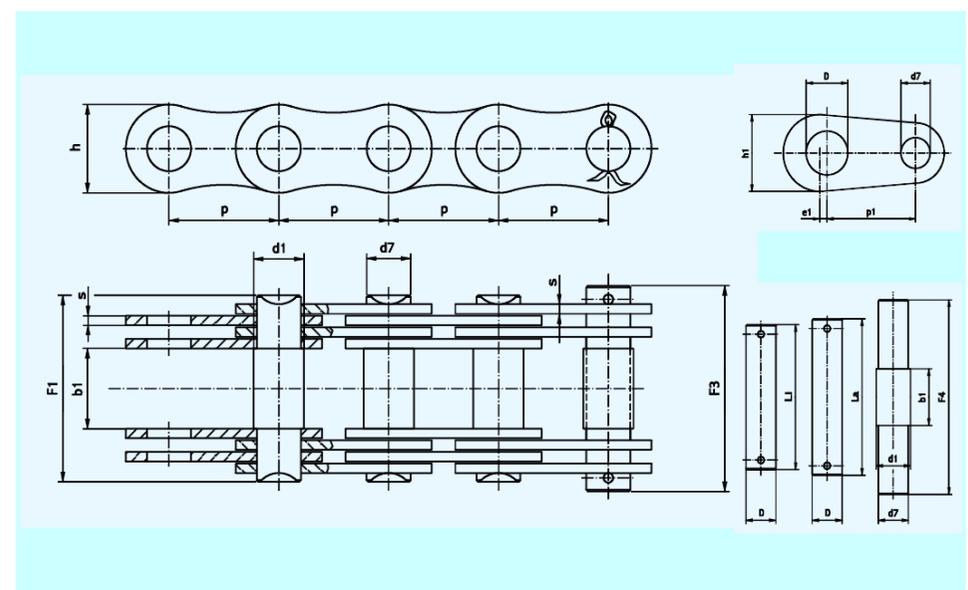


Zimaş No.	ISO	p mm.	b ₁ mm.	d ₁ mm.	d ₇ mm.	F ₃ mm. max.	h mm.	s mm.	f cm ²	F _B N max.	q kg/m	
Gz-02-01-30		30	20	11	9	60	20	3	2,50 x 16	1,1	300000	4
Gz-02-02-50		50	25	14	12	71	30	3	3 x 20	1,5	600000	6
Gz-02-03-60		60	35	22	20	103	40	5	5 x 32	4,0	1900000	14
Gz-02-04-70		70	45	28	25	143	50	8	6 x 40	8,0	3800000	27
Gz-02-05-90		90	60	36	32	183	60	10	8 x 50	13,0	6000000	42
Gz-02-06-110		110	70	45	40	211	80	12	8 x 56	19,0	9600000	68
Gz-02-07-120		120	80	50	45	248	80	15	10 x 63	27,0	12000000	83
Gz-02-08-160		160	100	60	55	320	100	20	10 x 71	44,0	19000000	130
Gz-02-09-180		180	120	80	70	385	130	25	13 x 90	70,0	30000000	220
Gz-02-10-240		240	140	90	80	456	160	30	13 x 100	96,0	48000000	305
Gz-02-11-280		280	160	110	100	481	200	30	13 x 125	120,0	60000000	395

Zimaş No.	ISO	p mm.	b ₁ mm.	d ₁ mm.	d ₇ mm.	F ₃ mm. max.	h mm.	s mm.	f cm ²	F _B N max.	q kg/m	
Gz-03-01-70		70	45	28	25	143	60	8	6 x 40	8	3800000	35
Gz-03-02-90		90	60	36	32	183	70	10	8 x 50	13	6000000	50
Gz-03-03-110		110	70	45	40	211	90	12	8 x 56	19	9600000	75
Gz-03-04-120		120	80	50	45	248	90	15	10 x 63	27	12000000	93
Gz-03-05-160		160	100	60	55	320	110	20	10 x 71	44	19000000	140
Gz-03-06-180		180	120	80	70	385	140	25	13 x 90	70	30000000	250
Gz-03-07-240		240	140	90	80	456	180	30	13 x 100	96	48000000	345
Gz-03-08-280		280	160	110	100	481	220	30	13 x 125	120	60000000	435



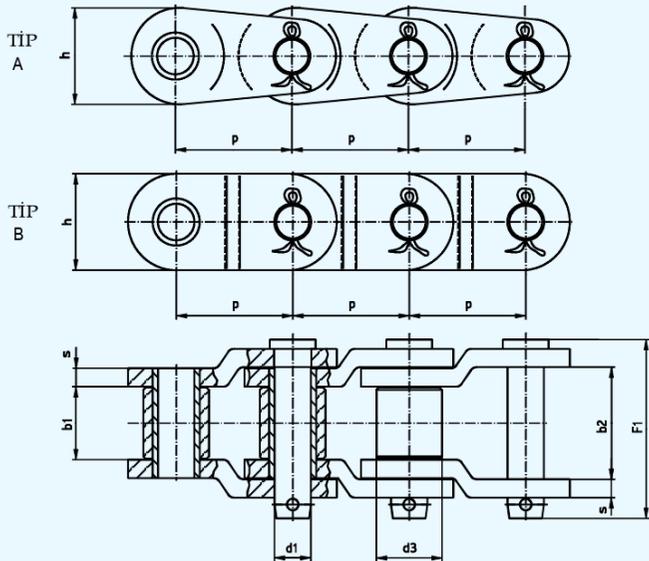
ZIMAŞ No.	ISO	p mm.	p ₁ mm.	b ₁ mm.	d ₁ mm.	d ₇ mm.	D mm.	e ₁ mm.	F ₁ mm. max.	F ₃ mm. max.	F ₄ mm. max.	h mm. max.	h ₁ mm.	La mm. max.	Li mm. max.	s mm.	X mm.	f cm ²	F _B N min.
Gz-01-01-6	**	6	-	4	3,00	2,30	-	-	11	12	-	5	-	-	-	1,00	2	0,05	1250
Gz-01-02-8	**	8	15	6	3,50	2,50	6	-	13	16	-	7	16	17	1,00	2	0,05	1500	
Gz-01-03-10	**	10	15	8	4,00	3,00	6	-	17	19	-	8	16	22	1,50	2	0,09	2500	
Gz-01-04-13	**	13	20	10	5,00	4,00	8	-	21	23	-	10	18	29	2,00	2	0,16	4500	
Gz-01-05-15	**	15	20	12	5,00	4,00	9	2,00	25	27	-	12	18	33	2,00	2	0,16	5000	
Gz-01-06-20	**	20	25	15	8,00	6,00	10	2,00	28	33	-	15	20	36	3,20	2	0,24	12500	
Gz-01-07-20	**	20	25	15	8,00	6,00	10	2,00	36	42	63	15	24	41	3,70	2,00	0,48	15000	
Gz-01-08-25	**	25	30	18	10,00	8,00	12	2,50	36	42	68	18	25	46	4,00	2	0,48	25000	
Gz-01-09-25	**	25	30	18	10,00	8,00	12	2,50	47	52	80	18	23,50	54	4,8	3,00	0,96	35000	
Gz-01-10-30	**	30	40	20	11,00	9,00	14	3,00	43	50	80	20	30	48	4,4	2,00	0,72	37500	
Gz-01-11-30	**	30	40	20	11,00	9,00	14	3,00	51	58	88	20	30	60	5,4	3,00	1,08	40000	
Gz-01-12-35	**	35	45	22	12,00	10,00	16	3,50	53	61	93	26	35	62	5,5	3,00	1,20	60000	
Gz-01-13-40	**	40	50	25	14,00	12,00	18	4,00	58	66	102	30	40	70	6,3	3,00	1,44	80000	
Gz-01-14-45	**	45	55	30	17,00	14,00	22	4,50	63	70	108	35	45	75	6,8	3,00	1,68	100000	
Gz-01-15-50	**	50	60	35	22,00	18,00	26	5,00	90	97	141	38	50	108	9,8	4,50	3,24	150000	
Gz-01-16-55	**	55	65	40	24,00	21,00	32	5,50	108	115	163	40	55	132	11,8	6,00	4,04	200000	
Gz-01-17-60	**	60	70	45	26,00	23,00	36	6,00	114	120	171	45	60	139	12,5	6,00	4,52	250000	
Gz-01-18-70	*	70	85	50	32,00	28,00	40	7,00	148	157	213	55	70	169	15,6	6,00	6,00	375000	
Gz-01-19-80	*	80	100	60	36,00	32,00	50	8,50	159	171	233	60	85	189	17,6	6,00	6,00	500000	
Gz-01-20-90	*	90	120	70	40,00	36,00	60	10,00	184	200	266	70	100	214	19,9	7,00	6,00	750000	
Gz-01-21-100	*	100	140	80	45,00	40,00	70	12,00	224	234	309	80	120	256	23,9	7,00	8,00	1000000	
Gz-01-22-110	*	110	160	90	50,00	45,00	80	14,00	236	251	327	90	140	279	26,4	7,00	8,00	1250000	
Gz-01-23-120	*	120	180	100	55,00	50,00	90	16,00	262	277	357	100	160	306	28,7	8,00	8,00	1500000	



* Düz Formlu * Mit Geraden Laschen * Chain With Straight Link Plates
 ** Norm Harici ** Werksnorm ** Chain to works standard



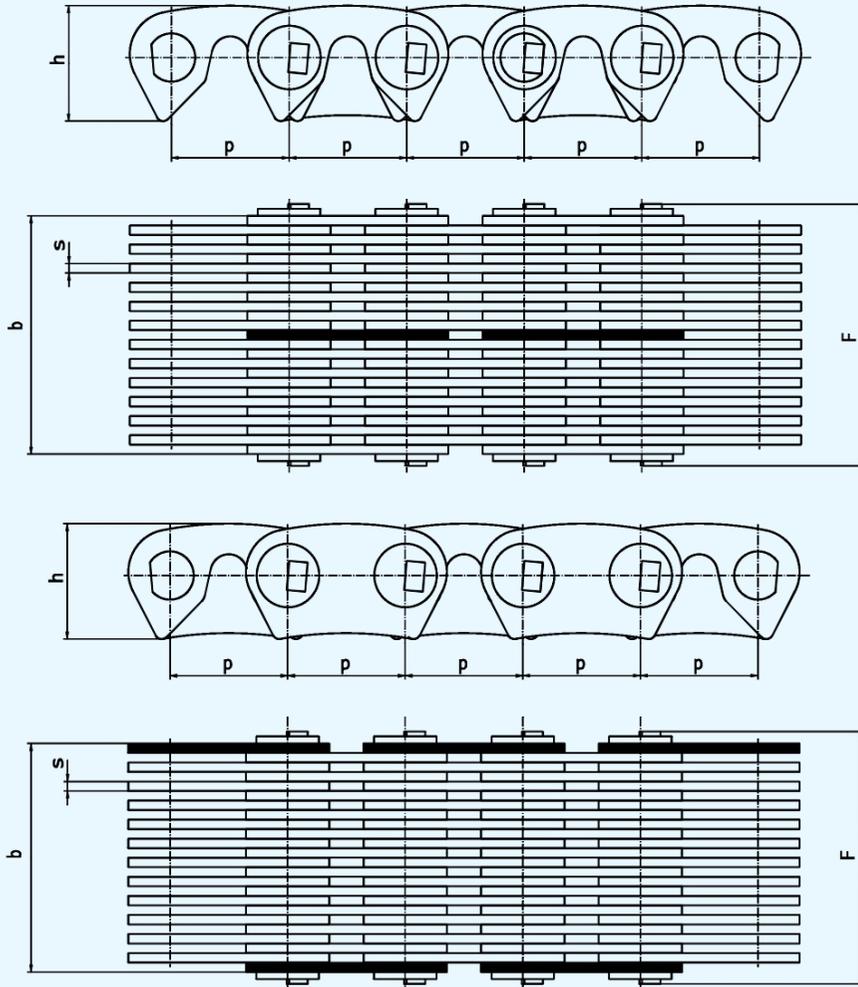
Zimaş No.	p mm.	b ₁ mm.	b ₂ mm.	d ₁ mm.	d ₃ mm.	F ₁ mm.	h mm.	s mm.	FB N	q kg/m	TİP
Ap-01-01-31,75	31,75	19,05	28,10	9,53	19,05	44,60	30,00	4,00	109000	4,35	B
Ap-01-02-50,80	50,80	31,75	42,80	11,10	22,22	62,50	36,00	5,00	154000	5,65	B
Ap-01-03-50,80	50,80	31,75	46,00	14,28	28,57	70,50	48,00	6,50	263000	9,20	B
Ap-01-04-50,80	50,80	31,75	49,80	15,30	28,57	77,50	42,00	8,00	295000	10,40	B
Ap-01-05-63,50	63,50	38,10	50,20	12,70	25,40	70,70	42,00	5,50	208000	7,51	B
Ap-01-06-63,50	63,50	38,10	56,10	15,87	31,75	83,60	47,00	8,00	270000	13,00	B
Ap-01-07-66,27	66,27	38,57	58,60	19,05	38,10	90,10	55,00	9,00	500000	17,00	B
Ap-01-08-76,20	76,20	33,30	53,40	19,05	38,10	85,00	55,00	9,00	500000	17,00	B
Ap-01-09-77,90	77,90	39,60	61,80	19,05	41,28	95,50	60,00	10,00	400000	19,00	B
Ap-01-10-78,10	78,10	38,10	56,10	16,00	31,75	83,60	40,00	8,00	320000	10,00	B
Ap-01-11-78,10	78,10	38,10	56,10	16,00	31,75	83,60	40,00	8,00	320000	11,60	B
Ap-01-12-78,10	78,10	38,10	56,50	16,50	31,75	86,00	42,00	9,00	365000	13,20	B
Ap-01-13-79,37	79,37	41,27	61,50	20,32	41,27	93,00	55,00	9,00	500000	16,40	B
Ap-01-14-88,90	88,90	38,10	67,10	22,00	41,27	107,60	55,00	13,00	640000	23,50	B
Ap-01-15-88,90	88,90	38,10	67,10	22,25	44,45	107,60	60,00	13,00	600000	25,50	B
Ap-01-16-103,20	103,20	49,20	78,20	22,00	44,45	118,70	55,00	13,00	620000	22,00	B
Ap-01-17-103,45	103,45	49,30	82,50	23,85	45,24	127,00	60,00	15,00	700000	28,00	B
Ap-01-18-114,30	114,30	52,30	85,50	27,97	57,15	133,00	75,00	15,00	860000	38,50	B
Ap-01-19-127,00	127,00	69,80	107,50	31,78	63,50	163,00	90,00	17,00	1100000	52,00	B
Ap-01-20-152,40	152,40	76,20	120,00	38,10	76,20	184,50	100,00	20,00	1600000	70,00	B
Ap-01-21-177,80	177,80	82,60	130,50	44,48	86,90	200,00	130,00	22,00	2100000	95,00	B



Zimaş No.	p mm.	b ₁ mm.	b ₂ mm.	d ₁ mm.	d ₃ mm.	F ₁ mm.	h mm.	s mm.	FB N	q kg/m	TİP
Ap-02-01-44,45	44,45	25,40	37,50	12,70	25,40	58,00	42,00	5,50	172400	7,70	A
Ap-02-02-50,80	50,80	30,50	44,50	14,28	28,58	68,00	42,00	6,50	160200	9,50	B
Ap-02-03-50,80	50,80	30,50	44,50	14,28	28,58	68,00	48,00	6,50	222500	9,90	A
Ap-02-04-50,80	50,80	30,50	48,50	15,10	28,58	76,00	42,00	8,00	231400	10,90	A
Ap-02-05-50,80	50,80	30,50	44,50	9,53	28,58	66,00	42,00	6,50	172140	9,50	B
Ap-02-06-50,80	50,80	31,75	45,80	13,70	28,58	69,30	49,20	6,50	306000	10,00	A
Ap-02-07-50,80	50,80	31,75	49,80	15,10	28,58	77,30	47,50	8,00	294000	10,90	A
Ap-02-08-63,50	63,50	38,10	59,10	15,88	31,75	89,60	41,50	9,50	397000	13,70	B
Ap-02-09-63,50	63,50	38,90	56,90	19,80	39,69	86,40	60,30	8,00	430000	16,30	A
Ap-02-10-66,27	66,27	26,20	35,20	9,53	22,22	51,70	25,40	4,00	40100	3,40	B
Ap-02-11-66,27	66,27	28,60	39,60	11,10	22,22	59,10	28,50	5,00	81540	3,40	B
Ap-02-12-66,27	66,27	28,60	42,60	11,10	22,22	65,10	28,50	6,50	147000	5,40	B
Ap-02-13-77,90	77,90	40,00	62,50	19,05	41,28	95,00	45,00	10,00	450000	17,30	B
Ap-02-14-77,90	77,90	40,00	61,00	19,05	41,28	92,50	54,00	9,50	500000	17,70	B
Ap-02-15-78,10	78,10	36,50	54,50	15,88	31,75	82,00	38,10	8,00	182500	10,10	B
Ap-02-16-78,10	78,10	36,50	54,50	15,88	31,75	82,00	41,50	8,00	271500	11,00	B
Ap-02-17-78,10	78,10	36,50	57,50	16,46	31,75	88,00	44,50	9,50	280400	12,80	B
Ap-02-18-78,10	78,10	38,10	56,10	15,88	31,75	83,60	38,00	8,00	277000	10,50	B
Ap-02-19-78,10	78,10	38,10	59,10	16,50	31,75	89,60	40,00	9,50	340000	12,00	B
Ap-02-20-78,10	78,10	38,10	60,60	16,50	33,00	92,10	45,00	10,00	313600	16,00	B
Ap-02-21-79,00	79,00	39,00	60,00	18,50	31,50	91,50	54,00	9,50	380900	12,30	B
Ap-02-22-79,38	79,38	39,70	60,70	20,32	41,27	93,20	57,20	9,50	347100	18,30	B
Ap-02-23-79,38	79,38	41,20	62,20	20,32	41,27	94,70	54,00	9,50	520000	18,80	B
Ap-02-24-88,90	88,90	36,90	65,50	22,22	44,45	106,00	57,50	13,00	556300	23,60	B
Ap-02-25-88,90	88,90	38,10	66,60	22,25	44,45	107,10	60,50	13,00	516000	25,00	B
Ap-02-26-88,90	88,90	38,10	66,60	22,25	44,45	107,10	54,00	13,00	635000	23,90	B
Ap-02-27-103,20	103,20	38,60	67,10	22,22	44,45	107,60	54,00	13,00	635000	19,90	B
Ap-02-28-103,20	103,20	47,60	76,10	22,22	44,45	116,60	50,80	13,00	200300	18,30	B
Ap-02-29-103,20	103,20	47,60	76,10	22,22	44,45	116,60	54,00	13,00	412230	19,30	B
Ap-02-30-103,20	103,20	47,60	76,10	22,22	44,45	116,60	57,00	13,00	527600	23,40	B
Ap-02-31-103,20	103,20	49,20	77,70	22,22	44,45	118,20	54,00	13,00	635000	21,00	B
Ap-02-32-103,20	103,20	49,20	84,20	22,22	44,45	130,70	60,00	16,00	690000	23,20	B
Ap-02-33-103,20	103,20	49,20	77,70	22,90	46,00	118,20	60,00	13,00	539000	26,00	B
Ap-02-34-103,45	103,45	49,20	79,70	23,80	45,24	122,20	63,50	14,00	596000	27,00	B
Ap-02-35-103,90	103,90	47,60	78,10	25,40	50,80	122,60	70,00	14,00	569000	34,00	B
Ap-02-36-103,90	103,90	49,20	80,70	25,40	50,80	126,20	70,00	14,50	865000	32,90	B
Ap-02-37-103,90	103,90	49,20	84,20	26,70	46,00	127,70	70,00	16,00	1029000	32,00	B
Ap-02-38-114,30	114,30	50,80	81,30	27,78	57,15	126,80	76,50	14,00	894500	32,90	B
Ap-02-39-114,30	114,30	50,80	85,80	30,16	63,50	136,30	82,50	16,00	787700	48,00	B
Ap-02-40-114,30	114,30	52,30	82,80	27,97	57,15	128,30	79,20	14,00	814000	38,00	B
Ap-02-41-127,00	127,00	57,15	87,70	28,57	63,50	133,20	76,20	14,00	912300	38,00	B
Ap-02-42-127,00	127,00	58,70	90,20	28,63	63,50	136,70	76,00	14,50	1090000	39,80	B
Ap-02-43-127,00	127,00	65,08	95,60	31,75	63,50	145,10	82,50	14,00	887880	42,30	B
Ap-02-44-127,00	127,00	65,08	106,10	34,92	63,50	166,60	88,90	19,00	1132500	55,00	B
Ap-02-45-127,00	127,00	68,20	109,20	34,92	69,85	168,70	95,30	19,00	1059100	65,00	B
Ap-02-46-127,00	127,00	68,20	103,20	31,75	63,50	156,70	89,00	16,00	1161500	52,50	B
Ap-02-47-127,00	127,00	70,00	105,00	31,75	63,50	158,50	90,00	16,00	1560000	52,30	B
Ap-02-48-140,00	140,00	80,00	123,00	35,00	65,00	185,50	90,00	20,00	1176000	59,20	B
Ap-02-49-152,40	152,40	57,14	98,20	38,10	82,55	160,70	108,00	19,00	1201500	67,10	B
Ap-02-50-152,40	152,40	74,60	115,60	38,10	76,20	178,10	108,00	19,00	1263800	70,30	B
Ap-02-51-152,40	152,40	76,30	117,30	38,10	76,20	179,80	101,60	19,00	2070000	71,30	B



Ortadan Klavuzlu (A)
Innenführung (A)
Inner guide (A)



Diştan Klavuzlu (B)
Außenführung (B)
Outer guide (B)



Zımaş No.	ISO	p mm.	b mm.	F mm.	h mm.	s mm.	q kg/m	Tip
Sz-01-01-9,535-B	*	9,535	12,50	18,00	10,80	1,50	10	14000 0,64 B
Sz-01-02-9,535-B	*	9,535	18,80	24,00	10,80	1,50	14	20500 0,86 B
Sz-01-03-9,535-A	*	9,535	26,50	29,00	10,80	1,50	17	26900 0,94 A
Sz-01-04-9,535-A	*	9,535	33,00	35,00	10,80	1,50	21	33500 1,16 A
Sz-01-05-9,535-A	*	9,535	39,00	42,00	10,80	1,50	25	39500 1,39 A
Sz-02-01-12,70-B	*	12,70	12,50	19,50	12,00	1,50	10	18000 0,83 B
Sz-02-02-12,70-B	*	12,70	19,00	25,00	12,00	1,50	14	26000 1,12 B
Sz-02-03-12,70-A	*	12,70	26,50	30,50	12,00	1,50	17	34100 1,39 A
Sz-02-04-12,70-A	*	12,70	33,00	36,50	12,00	1,50	21	42500 1,54 A
Sz-02-05-12,70-A	*	12,70	39,00	42,50	12,00	1,50	25	50500 1,84 A
Sz-02-06-12,70-A	*	12,70	51,50	55,50	12,00	1,50	33	67000 2,42 A
Sz-02-07-12,70-A	*	12,70	64,20	67,30	12,00	1,50	41	82500 3,02 A
Sz-03-01-15,875-A	*	15,875	27,00	30,00	15,50	2,00	13	45500 1,68 A
Sz-03-02-15,875-A	*	15,875	35,50	38,50	15,50	2,00	17	60500 2,31 A
Sz-03-03-15,875-A	*	15,875	43,70	46,50	15,50	2,00	21	75000 2,75 A
Sz-03-04-15,875-A	*	15,875	52,00	55,00	15,50	2,00	25	88500 3,35 A
Sz-03-04-15,875-A	*	15,875	69,00	71,50	15,50	2,00	33	117000 4,30 A
Sz-04-01-19,05-A	**	19,05	35,50	39,50	20,00	2,00	17	73000 2,66 A
Sz-04-02-19,05-A	**	19,05	44,00	47,50	20,00	2,00	21	90500 3,22 A
Sz-04-03-19,05-A	**	19,05	52,00	55,50	20,00	2,00	25	107500 3,95 A
Sz-04-04-19,05-A	**	19,05	68,50	72,50	20,00	2,00	33	141500 5,15 A
Sz-04-05-19,05-A	**	19,05	77,00	80,50	20,00	2,00	37	159500 6,20 A
Sz-05-01-25,40-A	**	25,40	53,00	57,00	24,40	3,00	17	126500 5,60 A
Sz-05-02-25,40-A	**	25,40	65,00	69,00	24,40	3,00	21	156500 6,80 A
Sz-05-03-25,40-A	**	25,40	77,50	81,50	24,40	3,00	25	186500 8,20 A
Sz-05-04-25,40-A	**	25,40	103,00	107,00	24,40	3,00	33	244500 10,70 A
Sz-05-05-25,40-A	**	25,40	127,00	131,00	24,40	3,00	41	303500 12,70 A
Sz-06-01-38,10-A	**	38,10	65,50	71,50	37,50	3,00	21	256500 10,30 A
Sz-06-02-38,10-A	**	38,10	78,00	84,00	37,50	3,00	25	305500 11,60 A
Sz-06-03-38,10-A	**	38,10	103,00	109,00	37,50	3,00	33	402500 16,20 A
Sz-06-04-38,10-A	**	38,10	127,50	133,50	37,50	3,00	41	499500 20,10 A
Sz-06-05-38,10-A	**	38,10	153,00	159,00	37,50	3,00	49	599500 23,60 A
Sz-07-01-50,80-A	**	50,80	104,00	110,00	49,00	4,00	25	489500 22,40 A
Sz-07-02-50,80-A	**	50,80	120,00	126,00	49,00	4,00	29	569500 25,60 A

* Pimler yuvarlak olarak üretilmektedir.

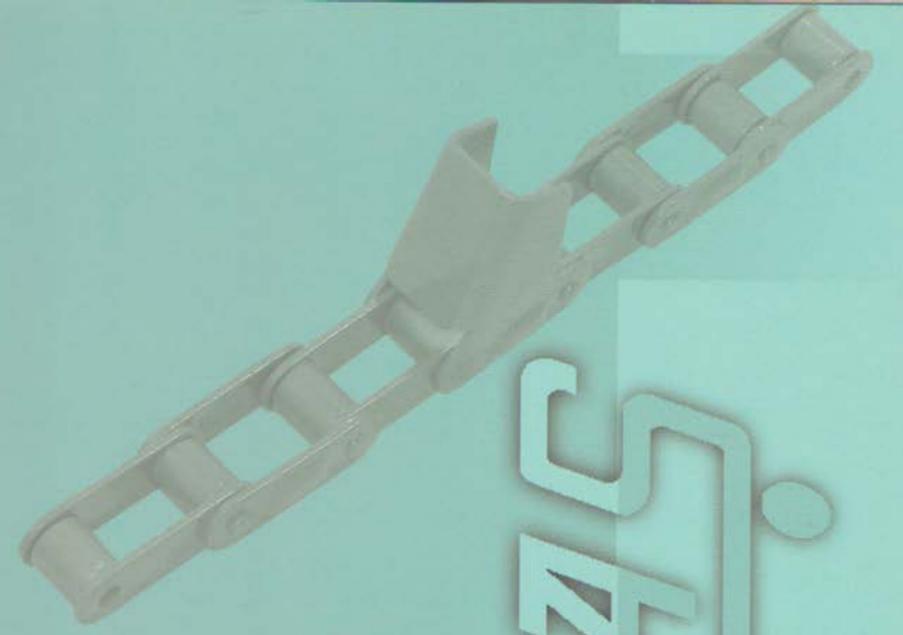
* V-Glieder Mit Versicherungsring

* With Segment Pin

** Pimler kamalı olarak üretilmektedir.

** V-Glieder Mit Splint

** With Cottered Pin



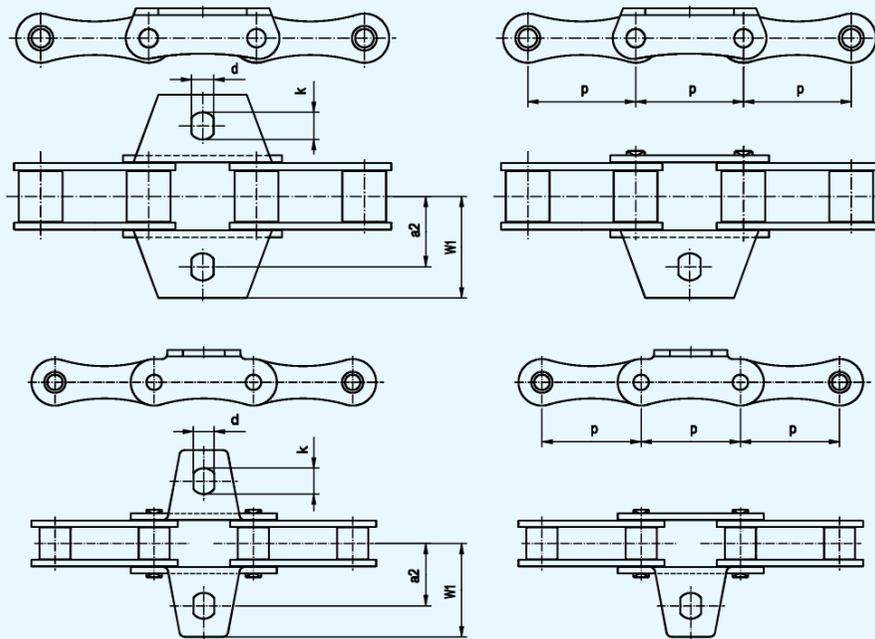
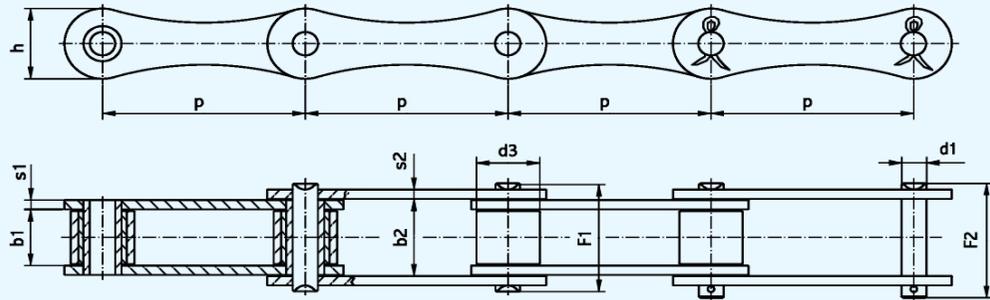
ZIMAS

ZİRAAT ZİNCİRLERİ
LANDMASHINEN ROLLENKETTEN
AGRICULTURAL ROLLER CHAINS

	DIN	ISO	Sayfa
Ziraat Zincirleri	8189	487	E - 1.2
Ziraat Zincirleri	8189	487	E - 2.1
Ziraat Zincirleri	8189	-	E - 2.2
Ziraat Zincirleri	8189	-	E - 3.1
Ziraat Zincirleri (Norm Harici)	-	-	E - 3.2
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Mısır Tabla Zincirleri (Norm Harici)	-	-	E - 5.1
Mısır Tabla Zincirleri (Norm Harici)	-	-	E - 5.2

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Mitnehmergeglieder (Werksnorm)	-	-	E - 4.2
Mitnehmergeglieder (Werksnorm)	-	-	E - 5.1
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Attachment Links (to Works' standard	-	-	E - 5.1
Attachment Links (to Works' standard	-	-	E - 5.2



Zımaş No.	ISO	p mm.	b ₁ mm.	b ₂ mm.	d ₁ mm.	d ₃ mm.	F ₁ mm.	F ₂ mm.	h mm.	s ₁ mm.	s ₂ mm.	f cm. ²	F _B N	q kg/m
Zz-01-01-29,21	S 32	29,21	15,88	19,80	4,47	11,43	25,30	27,00	12,80	1,60	1,60	0,90	8000	0,76
Zz-01-02-34,93	S 42	34,93	19,05	24,50	7,00	14,27	33,30	36,00	19,60	2,50	2,50	1,78	27000	1,61
Zz-01-03-38,10	S 51	38,10	15,50	21,20	5,72	15,24	30,00	33,00	18,00	2,60	2,60	1,00	17850	1,56
Zz-01-04-38,10	S 52	38,10	22,23	28,00	5,74	15,24	37,00	39,35	18,00	2,60	2,60	1,64	18000	1,56
Zz-01-05-41,40	S 45	41,40	22,23	28,00	5,72	15,24	37,00	39,35	19,00	2,60	2,60	1,64	18000	1,58
Zz-01-06-41,40	S 55	41,40	22,23	28,00	5,72	17,78	37,00	39,30	21,00	2,60	2,60	1,64	18000	1,65
Zz-01-07-41,40	CA 550	41,40	20,30	26,30	7,13	16,70	35,20	37,50	19,00	2,70	2,70	1,56	40000	2,08
Zz-01-08-41,91	S 62	41,91	25,40	32,00	5,94	19,05	41,50	44,50	17,00	3,00	3,00	1,82	27000	1,87
Zz-01-09-58,34	S 77	58,34	22,23		8,92	18,26	43,70	47,70	26,00	4,00	4,00	1,64	44500	2,57
Zz-01-10-66,27	S 88	66,27	28,58	37,20	8,92	22,86	50,00	54,00	26,20	4,00	4,00	3,32	44500	3,26

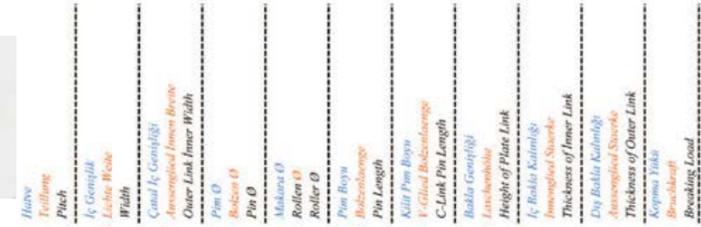
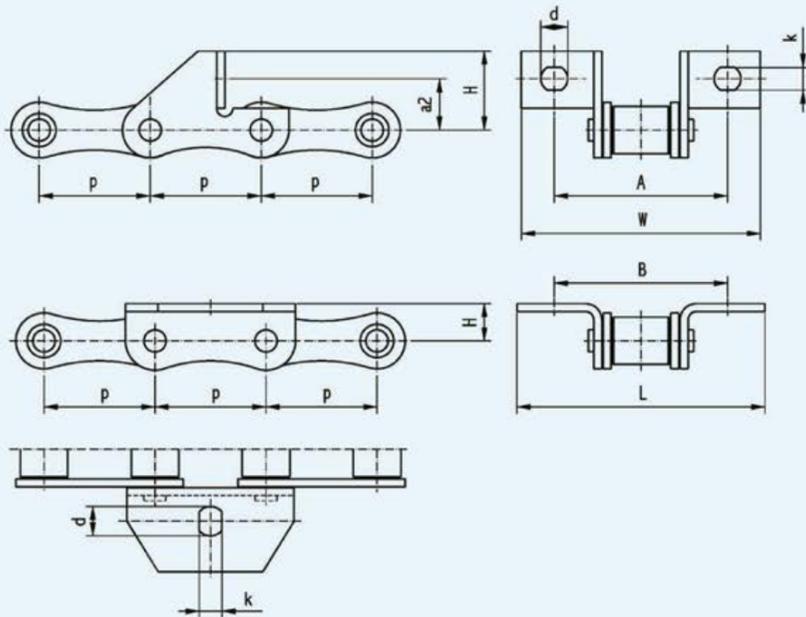
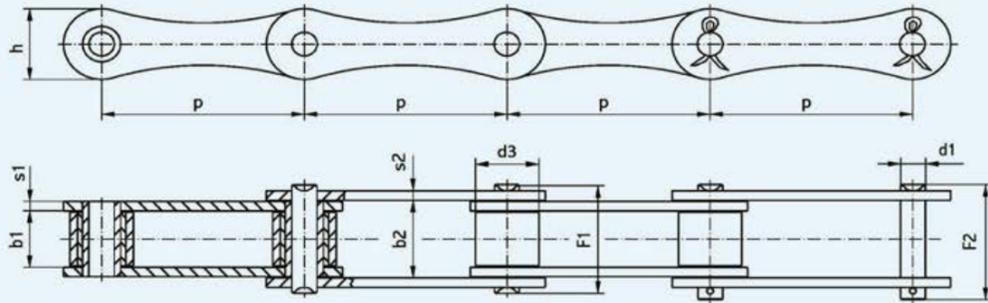


Zımaş No.	ISO	p mm.	a ₂ * mm.	H* mm.	d mm.	k mm.	W _i mm.
Zz-02-01-29,21	S 32	29,21	21,60	8,10	5,50	7,00	31,80
Zz-02-02-34,93	S 42	34,93	27,50	14,00	8,30	12,50	39,75
Zz-02-03-38,10	S 51	38,10	24	13,80	8,50	10,50	36,00
Zz-02-04-38,10	S 52	38,10	25,80	14,80	8,50	10,50	38,30
Zz-02-05-41,40	S 45	41,40	27,40	13,80	8,50	10,50	38,50
Zz-02-06-41,40	S 55	41,40	27,40	13,80	8,50	10,50	38,50
Zz-02-07-41,40	CA 550	41,40	29,25	11,10	8,50	10,50	41,25
Zz-02-08-41,91	S 62	41,91	33,70	11,50	6,60	14,70	47,70
Zz-02-09-58,34	S 77	58,34	41,00	20,80	8,50	13,00	56,00
Zz-02-10-66,27	S 88	66,27	48,45	20,80	8,30	10,00	59,70

* Serbest Ölçü

* Fraimaß

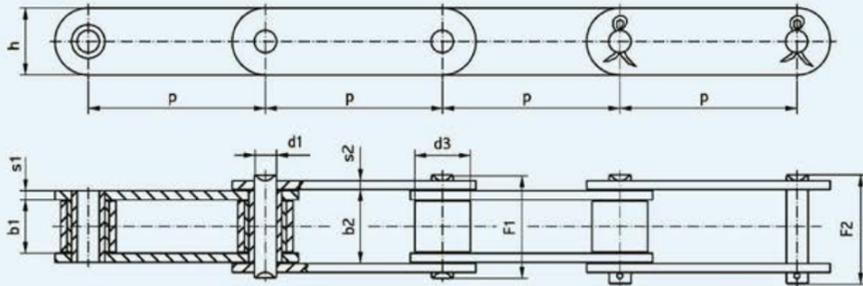
* Free dimension



Zımaş No.	ISO	p mm.	b ₁ mm.	b ₂ mm.	d ₁ mm.	d ₃ mm.	F ₁ mm.	F ₂ mm.	h mm.	s ₁ mm.	s ₂ mm.	F _B N
Zz-03-01-38,10	S 51 H	38,10	15,50	22,00	7,00	15,24	32,00	35,00	20,00	3,00	3,00	35000
Zz-03-02-41,40	S 45 H	41,40	22,23	29,00	8,28	15,24	39,00	42,50	22,00	3,00	3,00	42000
Zz-03-03-41,30	CA 642 H	41,30	22,23	28,70	8,28	15,88	39,00	42,50	21,00	3,00	3,00	35000
Zz-03-04-41,40	S 55 H	41,40	22,23	29,00	8,28	17,78	39,00	42,50	21,00	3,00	3,00	35000



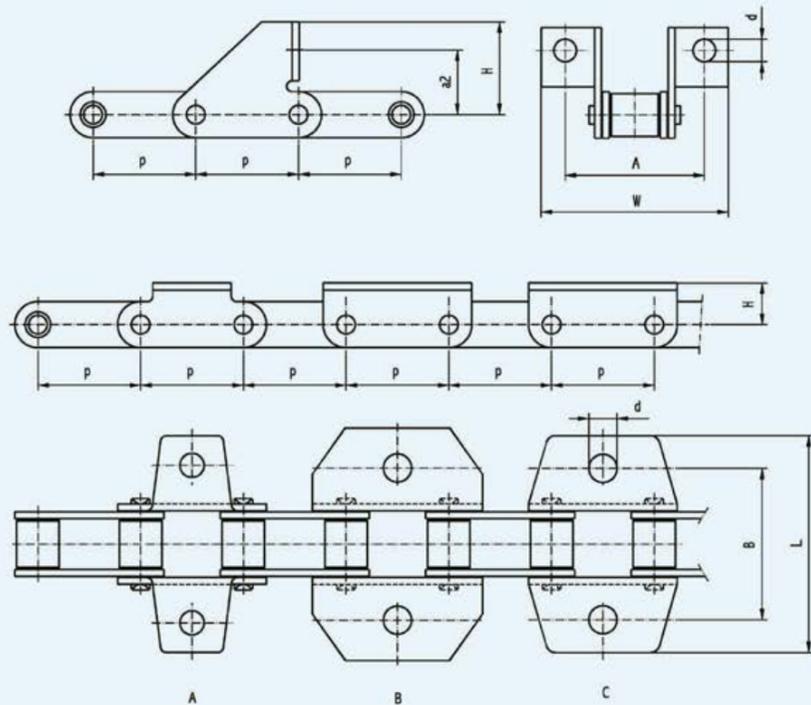
Zımaş No.	ISO	p mm.	A mm.	W mm.	d mm.	k mm.	a ₂ mm.	H mm.	B mm.	L mm.
Zz-04-01-38,10	S 51 H	38,10	54,50	89,50	10,00	8,50	19,00	29,00	-	-
Zz-04-02-41,40	S 51 H	38,10	-	-	10,50	8,50	-	12,50	50,00	74,00
Zz-04-03-41,40	S 45 H	41,40	64,40	89,00	10,00	8,50	19,30	30,00	-	-
Zz-04-04-41,30	CA 642 H	41,30	60,00	79,50	6,50	-	26,50	38,00	-	-
Zz-04-05-41,30	CA 642 H	41,30	-	-	10,50	-	-	14,00	70,00	92,00
Zz-04-06-41,40	S 55 H	41,40	64,40	89,00	10,00	8,50	19,30	30,00	-	-
Zz-04-07-41,40	S 55 H	41,40	-	-	11,00	8,50	-	14,00	54,00	92,00



Zımaş No.	ISO	p mm.	b ₁ mm.	b ₂ mm.	d ₁ mm.	d ₃ mm.	F ₁ mm.	F ₂ mm.	h mm.	s ₁ mm.	s ₂ mm.	F _B N
Zz-05-01-30,00	-	30,00	19,00	25,50	8,28	15,88	36,00	39,30	20,00	3,00	3,00	33000
Zz-05-02-38,40	-	38,40	19,05	24,80	6,92	15,88	34,20	36,50	17,20	2,60	2,60	26000
Zz-05-03-38,40	-	38,40	17,60	24,00	7,00	15,88	33,40	35,50	18,00	3,00	3,00	26000
Zz-05-04-38,40	-	38,40	19,00	25,50	8,28	15,88	36,00	39,30	20,00	3,00	3,00	33000

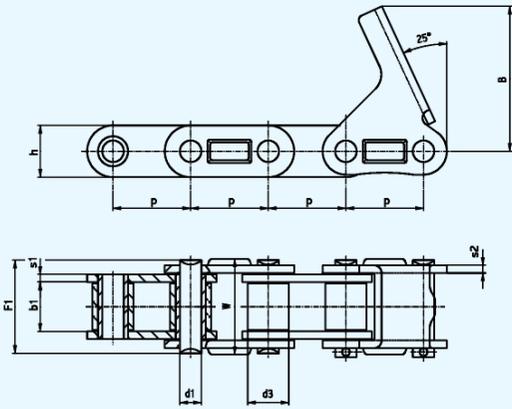


Zımaş No.	ISO	p mm.	A mm.	W mm.	d mm.	a ₂ mm.	H mm.	B mm.	L mm.	d ₁ mm.	Tip Type
Zz-06-01-38,40	-	38,40	52,00	70,00	8,40	24,00	34,50	-	-	6,92	
Zz-06-02-38,40	-	38,40	-	-	9,00	-	15,00	58,00	80,00	7,00	A
Zz-06-03-38,40	-	38,40	-	-	10,50	-	14,00	57,50	88,20	8,28	B
Zz-06-04-38,40	-	38,40	-	-	10,50	-	15,50	56,50	81,00	6,92	C

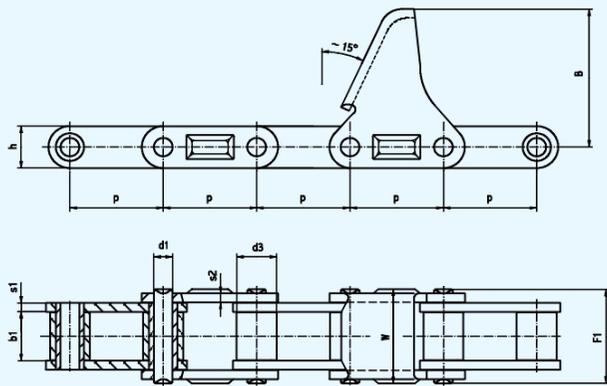




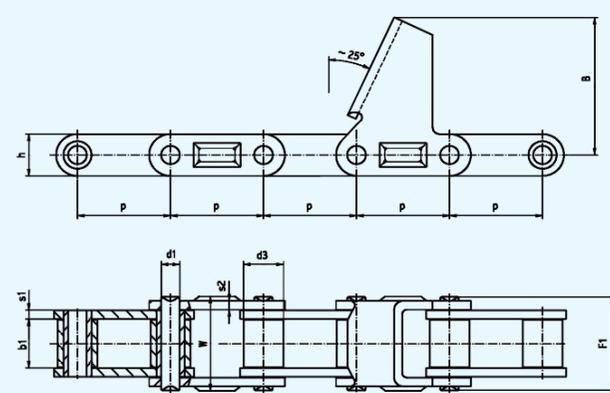
Zımaş No.	ISO	Hane Teufling Pitch p mm.	İç Genişlik Liche Breite Width b ₁ mm.	Pin Ø Boşan Ø Pin Ø d ₁ mm.	Makara Ø Roller Ø Roller Ø d ₃ mm.	Pin Boyu Boşunluęu Pin Length F ₁ mm.	Bakla Geniřlięi Lacchenbreite Height of Plate Link h mm.	İç Bakla Kalınlığı Innenlasche Starke Thickness of Inner Link s ₁ mm.	Dış Bakla Kalınlığı Außenlasche Starke Thickness of Outer Link s ₂ mm.	B mm.	W mm.	F _B N
Mt-01-01-30	-	30,00	19,00	8,28	15,88	36,00	20,00	3,00	3,00	57,00	37,00	35000
Mt-01-02-38,40	-	38,40	12,70	5,94	11,91	29,00	18,00	3,00	3,00	57,00	29,50	40000



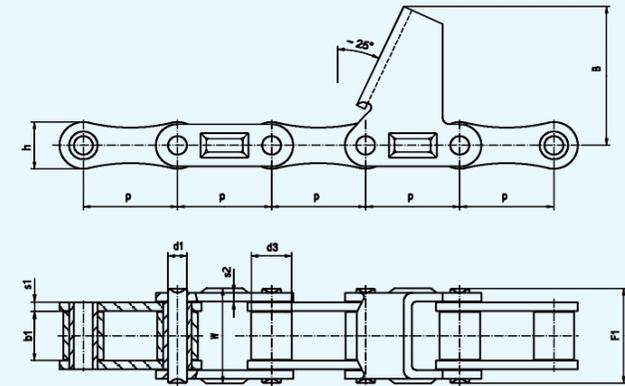
Mt-02-01-38,10	C 2060 H	38,10	12,70	5,94	11,91	25,80	17,20	2,40	2,40	63,50	26,80	31800
Mt-02-02-41,40	-	41,40	13,00	7,13	16,70	29,50	19,00	3,00	3,00	63,50	29,70	40000



Zımaş No.	ISO	Hane Teufling Pitch p mm.	İç Genişlik Liche Breite Width b ₁ mm.	Pin Ø Boşan Ø Pin Ø d ₁ mm.	Makara Ø Roller Ø Roller Ø d ₃ mm.	Pin Boyu Boşunluęu Pin Length F ₁ mm.	Bakla Geniřlięi Lacchenbreite Height of Plate Link h mm.	İç Bakla Kalınlığı Innenlasche Starke Thickness of Inner Link s ₁ mm.	Dış Bakla Kalınlığı Außenlasche Starke Thickness of Outer Link s ₂ mm.	B mm.	W mm.	F _B N
Mt-03-01-41,40	CA 550	41,40	20,30	7,13	16,70	35,20	19,00	2,70	2,70	62,50	36,00	40000



Mt-04-01-41,40	-	41,40	22,23	8,28	17,78	42,50	21,00	4,00	4,00	62,50	43,80	42000
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MISIR TABLA ZİNCİRLERİ
NORM HARICI

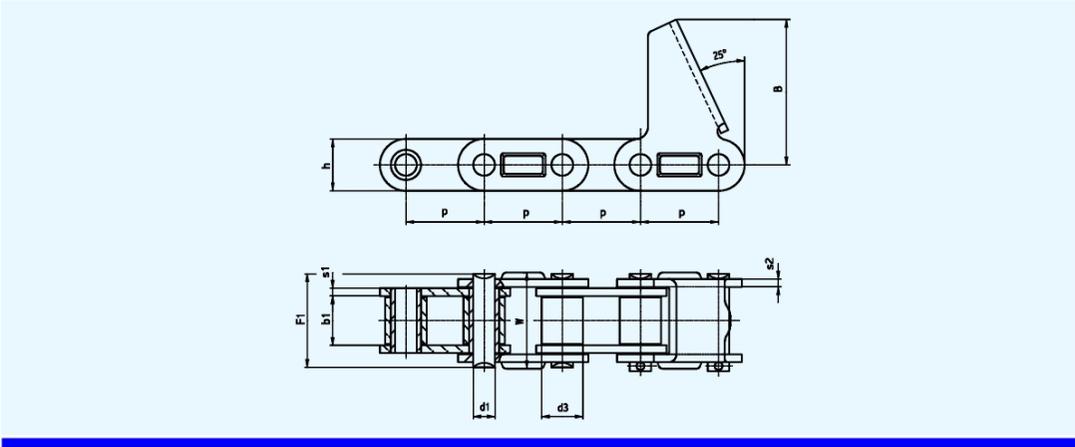
MITNEHMERGLIEDER
WERKSNORM

ATTACHMENT LINKS
CHAIN TO WORKS STANDARD

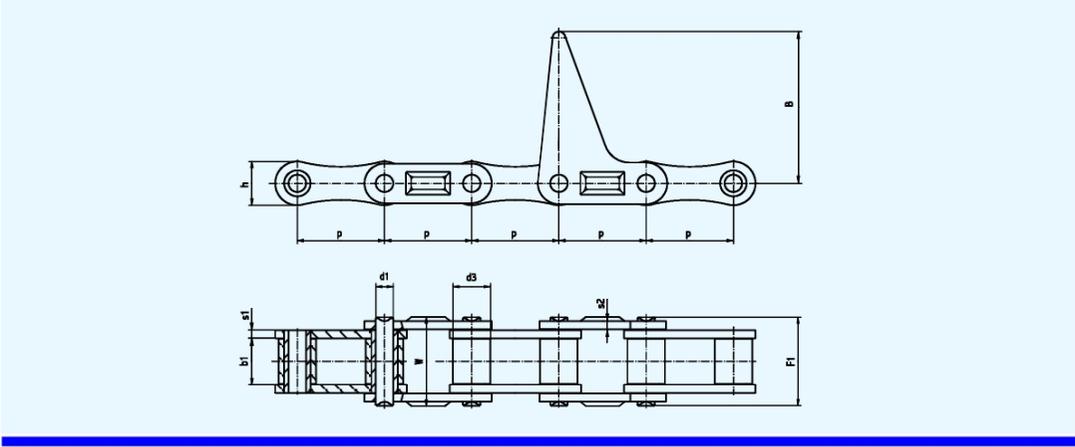


Zimaş No.	ISO	p mm.	b ₁ mm.	d ₁ mm.	d ₃ mm.	F ₁ mm.	h mm.	s ₁ mm.	s ₂ mm.	B mm.	W mm.	F _B N
Mt-05-01-38,40	-	38,40	19,00	8,28	15,88	36,00	20,00	3,00	3,00	63,00	37,00	35000

- Arma
- Teilung
- Pitch
- İç Genişlik
- Lüğe Geni
- Width
- Pim Ø
- Bolam Ø
- Pin Ø
- Makara Ø
- Roller Ø
- Roller Ø
- Pim Boyu
- Bolanıçığı
- Pin Length
- Bakla Geniği
- Lacınalı
- Height of Plate Link
- İç Bakla Kalınlığı
- İç Bakla Kalınlığı
- İnnerplate Sınır
- Thickness of Inner Link
- Dış Bakla Kalınlığı
- Aussenplate Sınır
- Thickness of Outer Link
- Kopma Yüeri
- Bruchkraft
- Breaking Load



Mt-06-01-41,40	-	41,40	22,23	8,28	17,78	42,50	21,00	4,00	4,00	73,00	42,80	42000
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FÖRDEYER ZİNCİRLER
FÖRDERKETTEN
CONVEYOR CHAINS

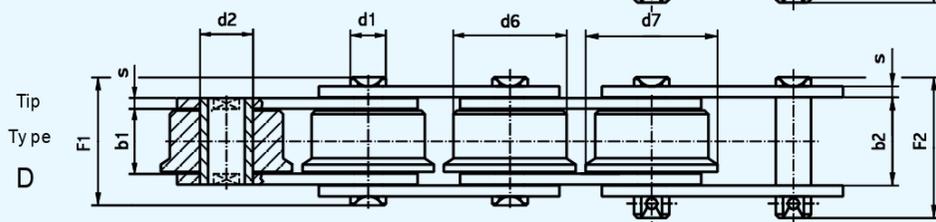
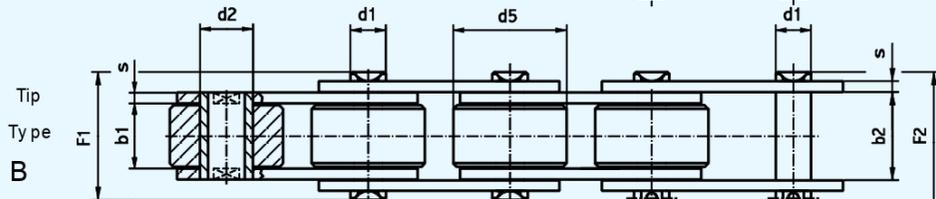
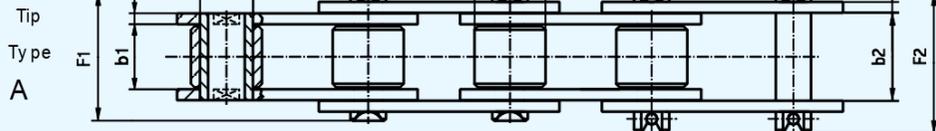
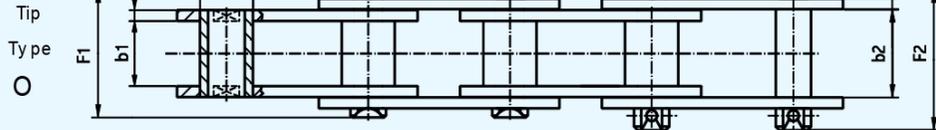
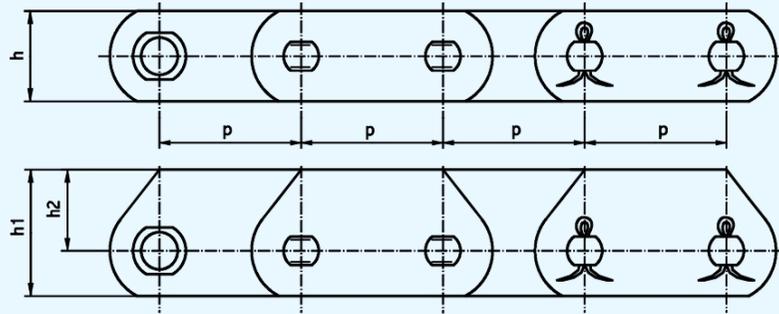


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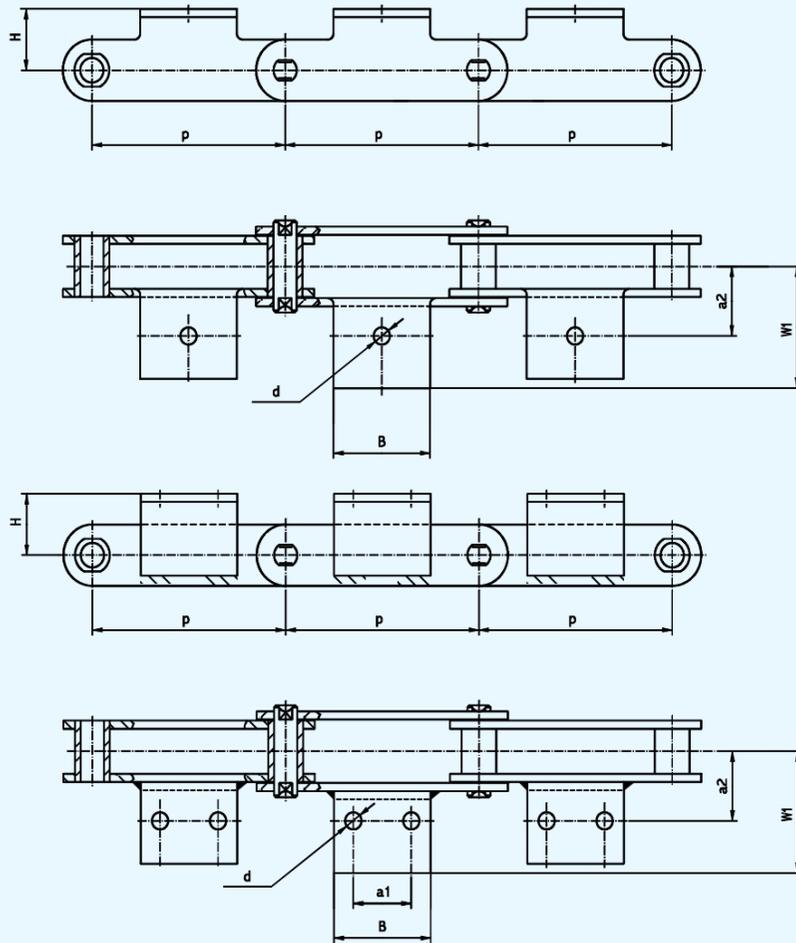
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Förderketten Mit Winkellaschen	8167	1977	F - 8.2
Rollen Für Förderketten	8167-8168	1977-R 1977	F - 9.1
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Scraper Chains	8167	1977	F - 9.2
Scraper Chains	8167	1977	F - 10.1
Hollow Pin Chains	8168	R 1977	F - 10.2
Hollow Pin Chains	8168	R 1977	F - 11.1



ZIMAŞ No.	DIN	p mm.	b ₁ mm.	b ₂ mm.	d ₁ mm.	d ₂ mm.	d ₃ mm.	d ₄ mm.	d ₅ mm.	d ₆ /d ₇ mm.	e mm.	F ₁ mm.	F ₂ mm.	h mm.	s mm.	h ₁ mm.	h ₂ mm.	f cm. ²	F ₀ N
Fz-01-01-040	FV 40	40	18	25	10	15	20	32	-	-	4	36,00	39,50	26	3	35	22	2,50	42000
Fz-01-01-063		63								40/50									
Fz-01-01-100		100																	
Fz-01-02-063	FV 63	63	22	31	12	18	26	40	-	-	5	45,00	48,50	30	4	40	25	3,72	64000
Fz-01-02-100		100								50/63									
Fz-01-02-125		125																	
Fz-01-02-160		160																	
Fz-01-03-063	FV 90	63	25	36	14	20	30	48	-	-	6,50	52,00	56,50	35	5	45	27,50	5,04	100000
Fz-01-03-100		100								63/78									
Fz-01-03-125		125																	
Fz-01-03-160		160																	
Fz-01-03-200		200																	
Fz-01-03-250		250																	
Fz-01-04-100	FV 112	100	30	43	16	22	32	55	72/90	7,50	62,00	66,50	40	6	50	30	6,88	120000	
Fz-01-04-125		125																	
Fz-01-04-160		160																	
Fz-01-04-200		200																	
Fz-01-04-250		250																	
Fz-01-05-100	FV 140	100	35	48	18	26	36	60	-	80/100	9	68,00	72,50	45	6	60	37,50	8,64	145000
Fz-01-05-125		125																	
Fz-01-05-160		160																	
Fz-01-05-200		200																	
Fz-01-05-250		250																	
Fz-01-05-315		315																	
Fz-01-06-125	FV 180	125	45	63	20	30	42	70	-	-	13	87,00	92,50	50	8	70	45	12,60	190000
Fz-01-06-160		160								100/125									
Fz-01-06-200		200																	
Fz-01-06-250		250																	
Fz-01-06-315		315																	
Fz-01-06-400		400																	
Fz-01-07-125	FV 250	125	55	73	26	36	50	80	-	125/155	15	99,00	105,50	60	8	80	50	18,98	275000
Fz-01-07-160		160																	
Fz-01-07-200		200																	
Fz-01-07-250		250																	
Fz-01-07-315		315																	
Fz-01-07-400		400																	
Fz-01-08-160	FV 315	160	65	87	30	42	60	90	-	-	18	119,00	125,50	70	10	90	55	26,10	370000
Fz-01-08-200		200								140/175									
Fz-01-08-250		250																	
Fz-01-08-315		315																	
Fz-01-08-400		400																	
Fz-01-09-160	FV 400	160	70	96	32	44	60	100	-	-	20	133,00	141,50	70	12	90	55	30,72	410000
Fz-01-09-200		200								150/190									
Fz-01-09-250		250																	
Fz-01-09-315		315																	
Fz-01-09-400		400																	
Fz-01-10-160	FV 500	160	80	106	36	50	70	110	-	-	21	145,00	153,50	80	12	100	60	38,10	540000
Fz-01-10-200		200																	
Fz-01-10-250		250								160/200									
Fz-01-10-315		315																	
Fz-01-10-400		400																	
Fz-01-11-200	FV 630	200	90	116	42	56	80	120	-	-	22	156,00	164,50	100	12	120	70	48,72	630000
Fz-01-11-250		250								170/215									
Fz-01-11-315		315																	
Fz-01-11-400		400																	
Fz-01-11-500		500																	



Kulaklı Baklalar
Befestigungsflaschen
Attachments



ZIMAŞ No.	DIN	p mm.	a ₁ mm.	a ₂ *** mm.	B mm.	d mm.	H*** mm.	W ₁ mm.	Kulak şekli Winkelprofil Angle Iron	q kg/m O	q kg/m A	q kg/m B	q kg/m D	q	
Fz-01-01-040	FV 40	40	-	-	-	-	-	-	-	2,59	3,04	4,68	-	-	
Fz-01-01-063	-	63	●	25	31	6,4	20	49	■	2,08	2,36	3,43	4,65	0,03	
Fz-01-01-100	-	100	●	30	50	-	-	-	-	1,76	1,94	2,6	3,38	0,05	
Fz-01-02-063	FV 63	63	●	34	40	8,4	30	50	■	3,46	4,17	6,08	-	0,05	
Fz-01-02-100	-	100	●	30	50	-	-	-	30 x 30 x 4	2,92	3,37	4,57	5,60	0,09	
Fz-01-02-125	-	125	●	40	60	-	-	-	-	2,67	3,03	3,97	4,82	0,12	
Fz-01-02-160	-	160	●	50	70	-	-	-	-	2,45	2,73	3,48	4,13	0,14	
Fz-01-03-063	FV 90	63	-	-	-	-	-	-	■	5,72	6,87	10,0	-	-	
Fz-01-03-100	-	100	●	40	50	8,4	35	63	■	4,67	5,40	7,37	9,59	0,15	
Fz-01-03-125	-	125	●	40	60	-	-	-	-	4,35	4,93	6,51	8,29	0,19	
Fz-01-03-160	-	160	●	50	70	-	-	-	-	3,87	4,32	5,56	6,95	0,24	
Fz-01-03-200	-	200	●	60	80	-	-	-	-	3,50	3,86	4,85	5,96	0,27	
Fz-01-03-250	-	250	●	65	85	-	-	-	-	3,47	3,76	4,55	5,44	0,30	
Fz-01-04-100	FV 112	100	●	50	50	11	40	68	■	6,11	7,06	10,5	14,3	0,18	
Fz-01-04-125	-	125	●	40	65	-	-	-	-	5,85	6,61	9,39	12,4	0,23	
Fz-01-04-160	-	160	●	50	75	-	-	-	-	5,26	5,85	8,03	10,4	0,28	
Fz-01-04-200	-	200	●	65	90	-	-	-	-	5,00	5,47	7,30	9,13	0,35	
Fz-01-04-250	-	250	●	80	105	-	-	-	-	4,72	5,10	6,49	8,02	0,47	
Fz-01-05-100	FV 140	100	●	50	55	11	45	80	■	7,38	8,69	13,3	-	0,28	
Fz-01-05-125	-	125	●	40	65	-	-	-	50 x 50 x 7	6,78	7,80	11,5	15,7	0,33	
Fz-01-05-160	-	160	●	50	75	-	-	-	-	6,56	7,36	10,2	13,5	0,41	
Fz-01-05-200	-	200	●	65	90	-	-	-	-	5,82	6,46	8,77	11,4	0,51	
Fz-01-05-250	-	250	●	80	105	-	-	-	-	5,48	5,99	7,85	9,96	0,69	
Fz-01-05-315	-	315	●	100	125	-	-	-	-	5,28	5,68	7,25	8,25	0,82	
Fz-01-06-125	FV 180	125	●	35	64	63	13	45	90	■	10,7	12,5	19,2	-	0,33
Fz-01-06-160	-	160	●	50	80	-	-	-	-	9,72	11,2	16,3	22,2	0,41	
Fz-01-06-200	-	200	●	65	95	-	-	-	-	9,12	10,0	14,4	19,1	0,51	
Fz-01-06-250	-	250	●	80	110	-	-	-	-	8,51	9,43	12,7	16,9	0,69	
Fz-01-06-315	-	315	●	100	130	-	-	-	-	8,20	8,93	11,6	14,5	0,82	
Fz-01-06-400	-	400	●	100	130	-	-	-	-	7,64	8,22	10,3	12,6	0,82	
Fz-01-07-125	FV 250	125	●	69	50	13	55	110	■	14,3	17,5	27,5	-	0,39	
Fz-01-07-160	-	160	●	50	80	-	-	-	65 x 65 x 7	13,0	15,5	23,4	39,9	0,62	
Fz-01-07-200	-	200	●	65	95	-	-	-	-	11,8	13,8	20,6	33,3	0,77	
Fz-01-07-250	-	250	●	80	110	-	-	-	-	10,8	12,4	17,4	28,0	1,04	
Fz-01-07-315	-	315	●	100	130	-	-	-	-	10,0	11,2	15,2	23,6	1,23	
Fz-01-07-400	-	400	●	100	130	-	-	-	-	9,60	10,6	13,7	20,3	1,23	
Fz-01-08-160	FV 315	160	●	85	50	13	60	124	■	20,04	24,51	35,67	-	0,65	
Fz-01-08-200	-	200	●	65	95	-	-	-	-	18,24	21,82	30,74	43,59	0,93	
Fz-01-08-250	-	250	●	80	110	-	-	-	-	16,79	19,65	26,79	37,07	1,25	
Fz-01-08-315	-	315	●	100	130	-	-	-	-	15,53	17,80	23,46	31,62	1,48	
Fz-01-08-400	-	400	●	100	130	-	-	-	-	14,56	16,35	20,81	27,23	1,48	
Fz-01-09-160	FV 400	160	●	95	50	17	65	131	■	24,16	28,52	45,58	-	0,78	
Fz-01-09-200	-	200	●	60	100	-	-	-	70 x 70 x 11	21,91	25,40	39,05	56,11	1,12	
Fz-01-09-250	-	250	●	80	120	-	-	-	-	20,17	22,96	33,88	47,53	1,50	
Fz-01-09-315	-	315	●	100	140	-	-	-	-	18,73	20,95	29,61	40,44	1,78	
Fz-01-09-400	-	400	●	100	140	-	-	-	-	17,56	19,31	26,12	34,66	1,78	
Fz-01-10-160	FV 500	160	●	100	50	17	70	146	■	30,04	37,18	58,90	-	0,84	
Fz-01-10-200	-	200	●	50	90	-	-	-	80 x 80 x 12	27,04	32,75	50,13	-	1,25	
Fz-01-10-250	-	250	●	80	120	-	-	-	-	24,65	29,22	43,12	55,48	1,88	
Fz-01-10-315	-	315	●	100	140	-	-	-	-	22,68	26,30	37,34	47,14	2,23	
Fz-01-10-400	-	400	●	100	140	-	-	-	-	21,06	23,91	32,60	40,33	2,23	
Fz-01-11-200	FV 630	200	●	115	50	17	80	171	■	36,45	45,22	67,25	-	1,24	
Fz-01-11-250	-	250	●	70	110	-	-	-	100 x 100 x 12	32,93	39,95	57,57	76,20	2,13	
Fz-01-11-315	-	315	●	100	140	-	-	-	-	30,02	35,59	49,57	64,36	2,83	
Fz-01-11-400	-	400	●	100	140	-	-	-	-	27,65	32,04	43,05	54,69	2,83	
Fz-01-11-500	-	500	●	100	140	-	-	-	-	25,88	29,39	38,20	47,52	2,83	

*** Serbest Ölçü

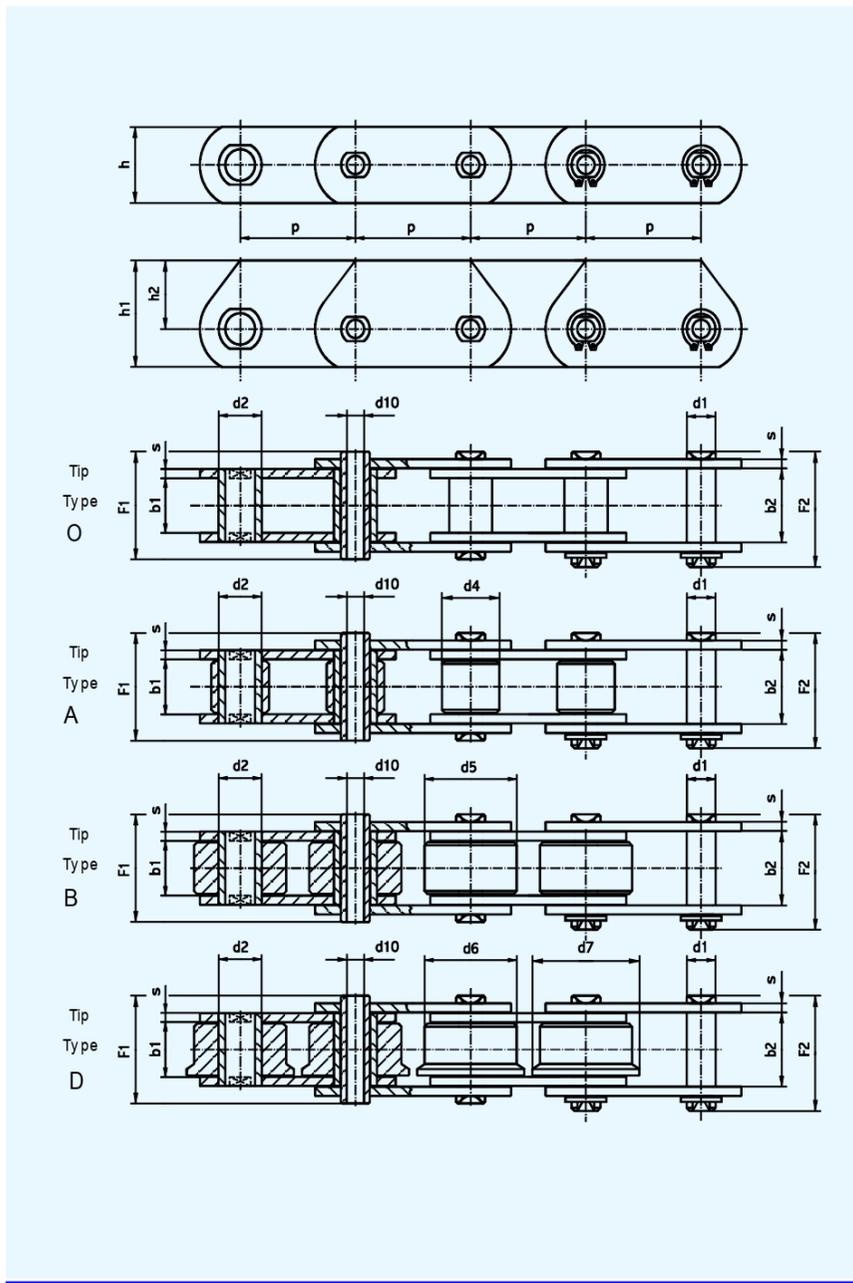
● 1 Delikli
■ Yeğpare Bükük Kulak

*** Fraimaß

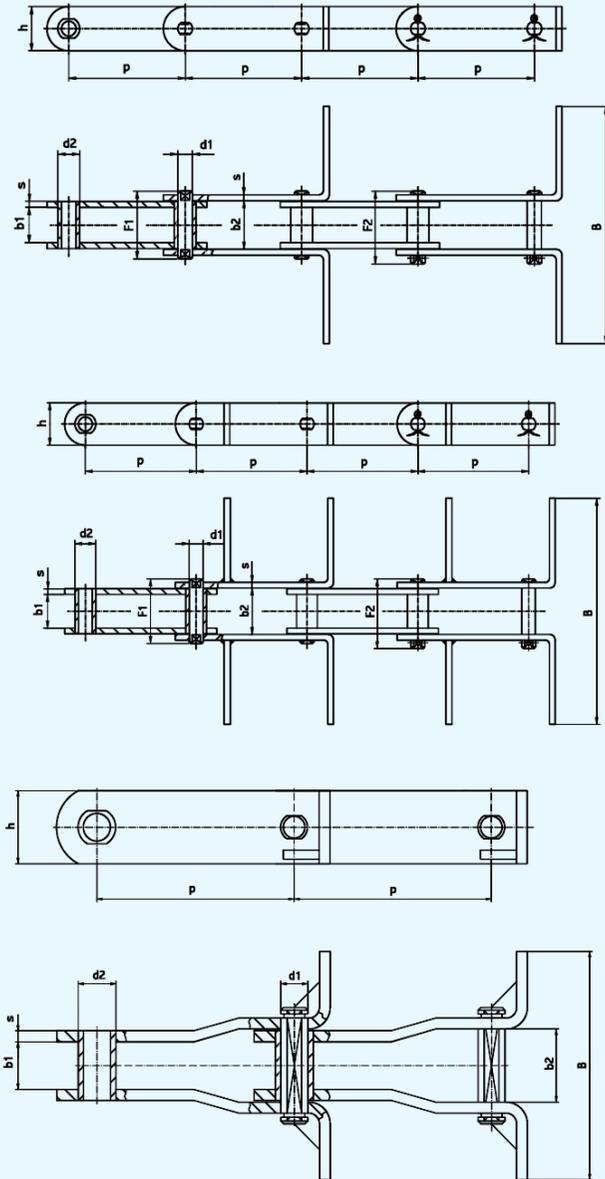
● 1 Loch
■ Winkel angebeger

*** Free dimension

● 1 hole only
■ bent attaches

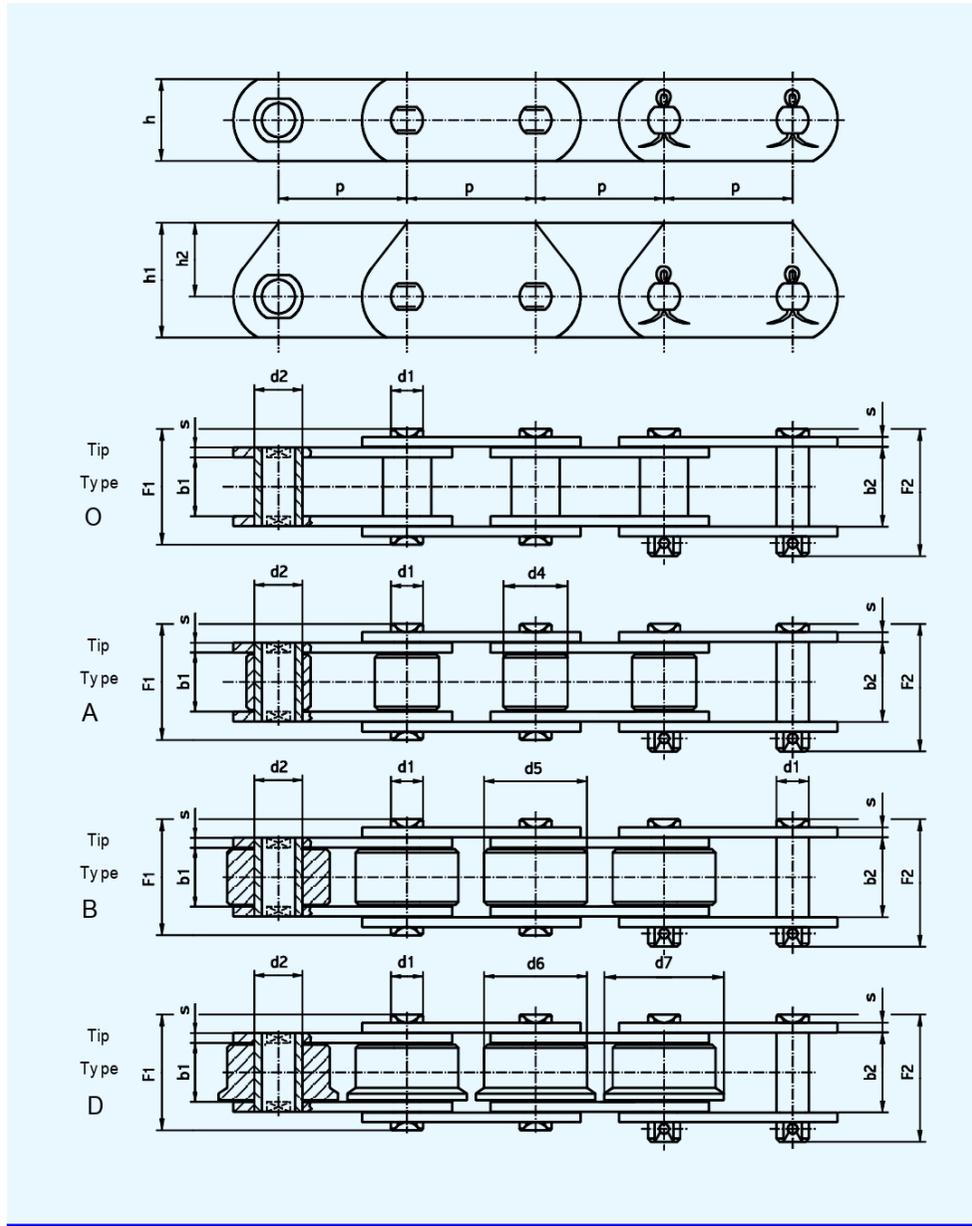


ZİMAŞ No.	DIN	p mm.	b ₁ mm.	b ₂ mm.	d ₁ mm.	d ₂ mm.	d ₃ mm.	d ₄ mm.	d ₅ mm.	d ₆ mm.	d ₇ mm.	d ₁₀ mm.	e mm.	F ₁ mm.	F ₂ mm.	h mm.	s mm.	h ₁ mm.	h ₂ mm.	f cm. ²	F _{Bh} N min.
Pm-02-01-63	FV 63	63	22	31	12	18	26	40	-	-	-	8	5	44	45	30	4	40	25	3,72	46000
Pm-02-01-100		100										50/63									
Pm-02-01-125		125																			
Pm-02-01-160		160																			
Pm-02-02-63	FV 90	63	25	36	14	20	30	48	-	-	-	10	6,5	51	52,5	35	5	45	27,5	5,04	73000
Pm-02-02-100		100										63/78									
Pm-02-02-125		125																			
Pm-02-02-160		160																			
Pm-02-02-200		200																			
Pm-02-02-250		250																			
Pm-02-03-100	FV 112	100	30	43	16	22	32	55	72/90	11	7,5	62	63,5	40	6	50	30	6,88	90000		
Pm-02-03-125		125																			
Pm-02-03-160		160																			
Pm-02-03-200		200																			
Pm-02-03-250		250																			
Pm-02-04-100	FV 140	100	35	48	18	26	36	60	-	12	9	67	68,5	45	6	60	37,5	8,64	110000		
Pm-02-04-125		125										80/100									
Pm-02-04-160		160																			
Pm-02-04-200		200																			
Pm-02-04-250		250																			
Pm-02-04-315		315																			
Pm-02-05-125	FV 180	125	45	63	20	30	42	70	-	14	13	86	87,5	50	8	70	45	12,6	145000		
Pm-02-05-160		160										100/125									
Pm-02-05-200		200																			
Pm-02-05-250		250																			
Pm-02-05-315		315																			
Pm-02-05-400		400																			
Pm-02-06-125	FV 250	125	55	73	26	36	50	80	-	18	15	96	98	60	8	80	50	18,98	215000		
Pm-02-06-160		160										125/155									
Pm-02-06-200		200																			
Pm-02-06-250		250																			
Pm-02-06-315		315																			
Pm-02-06-400		400																			
Pm-02-07-160	FV 315	160	65	87	30	42	60	90	-	20	18	115	117	70	10	90	55	26,1	295000		
Pm-02-07-200		200										140/175									
Pm-02-07-250		250																			
Pm-02-07-315		315																			
Pm-02-07-400		400																			
Pm-02-08-160	FV 400	160	70	96	32	44	60	100	-	22	20	130	133	70	12	90	55	30,72	330000		
Pm-02-08-200		200										150/190									
Pm-02-08-250		250																			
Pm-02-08-315		315																			
Pm-02-08-400		400																			
Pm-02-09-160	FV 500	160	80	106	36	50	70	110	-	26	21	140	143	80	12	100	60	38,16	440000		
Pm-02-09-200		200										160/200									
Pm-02-09-250		250																			
Pm-02-09-315		315																			
Pm-02-09-400		400																			
Pm-02-10-200	FV 630	200	90	116	42	56	80	120	-	30	22	152	154,5	100	12	120	70	48,72	520000		
Pm-02-10-250		250										170/215									
Pm-02-10-315		315																			
Pm-02-10-400		400																			
Pm-02-10-500		500																			



naive
 Teillänge
 Pitch
 Kettenglied
 Kettengliedweite
 Chain Link Length
 Chain Link Width
 Ausgestrichter Innen Breiten
 Outer Link Inner Width
 F1
 F2
 Bolzen Ø
 Pin Ø
 Burchse Ø
 Bush Ø
 Zapfen Ø
 Pin Ø

ZİMAŞ No.	DIN	p mm.	b ₁ mm.	b ₂ mm.	d ₁ mm.	d ₂ mm.	B mm.	F ₁ mm.	F ₂ mm.	h mm.	s mm.	L mm.	f cm ²	F _B N min.
Kz-01-01-63	FV 40	63	18	25	10	15	Serbest ölçü	36	39,5	26	3	2,50	40000	
Kz-01-01-80		80					Freimaß							
Kz-01-01-100		100					Free dimension							
Kz-01-01-125		125												
Kz-01-01-150		150												
Kz-01-02-63	FV 63	63	22	31	12	18	Serbest ölçü	45	48,5	30	4	3,70	63000	
Kz-01-02-80		80					Freimaß							
Kz-01-02-100		100					Free dimension							
Kz-01-02-125		125												
Kz-01-02-150		150												
Kz-01-02-160		160												
Kz-01-03-80	FV 90	80	25	36	14	20	Serbest ölçü	52	56,5	35	5	5,00	90000	
Kz-01-03-100		100					Freimaß							
Kz-01-03-125		125					Free dimension							
Kz-01-03-150		150												
Kz-01-03-160		160												
Kz-01-03-175		175												
Kz-01-04-100	FV 112	100	30	43	16	22	Serbest ölçü	62	66,5	40	6	6,80	112000	
Kz-01-04-125		125					Freimaß							
Kz-01-04-150		150					Free dimension							
Kz-01-04-160		160												
Kz-01-04-175		175												
Kz-01-04-200		200												
Kz-01-05-100	FV 140	100	35	48	18	26	Serbest ölçü	68	72,5	45	6	8,60	140000	
Kz-01-05-125		125					Freimaß							
Kz-01-05-150		150					Free dimension							
Kz-01-05-160		160												
Kz-01-05-175		175												
Kz-01-05-200		200												
Kz-01-06-125	FV 180	125	45	63	20	30	Serbest ölçü	87	92,5	50	8	12,3	180000	
Kz-01-06-150		150					Freimaß							
Kz-01-06-160		160					Free dimension							
Kz-01-06-175		175												
Kz-01-06-200		200												
Kz-01-06-250		250												
Kz-01-07-125	FV 250	125	55	73	26	36	Serbest ölçü	99	105,5	60	8	18,7	250000	
Kz-01-07-150		150					Freimaß							
Kz-01-07-160		160					Free dimension							
Kz-01-07-175		175												
Kz-01-07-200		200												
Kz-01-07-250		250												
Kz-01-08-150	FV 315	150	65	87	30	42	Serbest ölçü	119	125,5	70	10	25,8	315000	
Kz-01-08-160		160					Freimaß							
Kz-01-08-175		175					Free dimension							
Kz-01-08-200		200												
Kz-01-08-250		250												



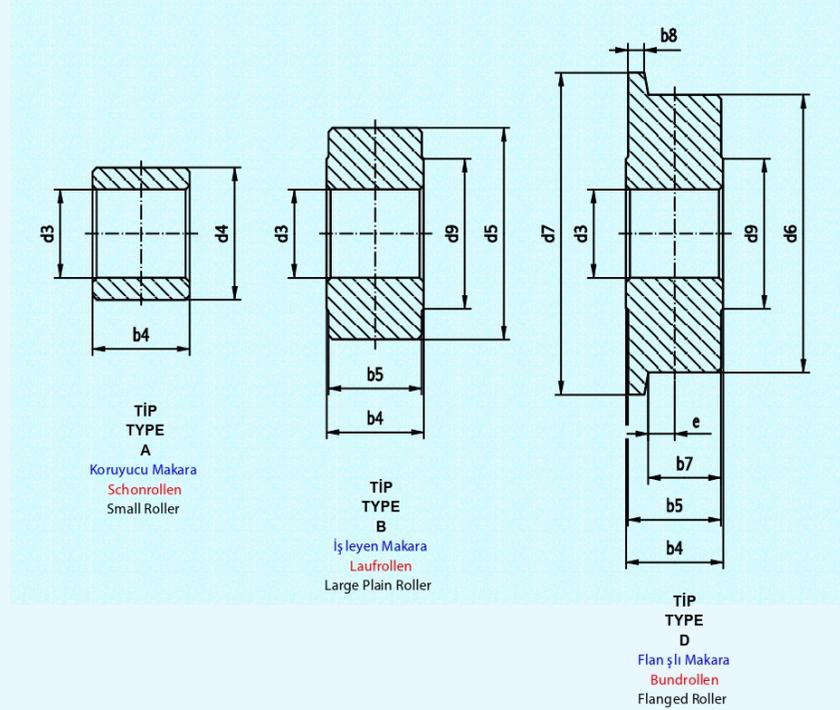
ZIMAŞ No.	DIN	p mm.	b ₁ mm.	b ₂ mm.	d ₁ mm.	d ₂ mm.	d ₃ mm.	d ₄ mm.	d ₅ mm.	d ₆ /d ₇ mm.	e mm.	F ₁ mm.	F ₂ mm.	h mm.	s mm.	h ₁ mm.	h ₂ mm.	f cm. ²	F _B N	
Fz-01-01-040	FV 40	40	18	25	10	15	0	A	B	D	-	4	36,00	39,50	26	3	35	2,50	42000	
Fz-01-01-063		63									40/50									
Fz-01-01-100		100																		
Fz-01-02-063	FV 63	63	22	31	12	18	26	40			50/63	5	45,00	48,50	30	4	40	2,5	64000	
Fz-01-02-100		100																		
Fz-01-02-125		125																		
Fz-01-02-160		160																		
Fz-01-03-063	FV 90	63	25	36	14	20	30	48			63/78	6,50	52,00	56,50	35	5	45	27,50	5,04	100000
Fz-01-03-100		100																		
Fz-01-03-125		125																		
Fz-01-03-160		160																		
Fz-01-03-200		200																		
Fz-01-03-250		250																		
Fz-01-04-100	FV 112	100	30	43	16	22	32	55			72/90	7,50	62,00	66,50	40	6	50	30	6,88	120000
Fz-01-04-125		125																		
Fz-01-04-160		160																		
Fz-01-04-200		200																		
Fz-01-04-250		250																		
Fz-01-05-100	FV 140	100	35	48	18	26	36	60			80/100	9	68,00	72,50	45	6	60	37,50	8,64	145000
Fz-01-05-125		125																		
Fz-01-05-160		160																		
Fz-01-05-200		200																		
Fz-01-05-250		250																		
Fz-01-05-315		315																		
Fz-01-06-125	FV 180	125	45	63	20	30	42	70			100/125	13	87,00	92,50	50	8	70	45	12,60	190000
Fz-01-06-160		160																		
Fz-01-06-200		200																		
Fz-01-06-250		250																		
Fz-01-06-315		315																		
Fz-01-06-400		400																		
Fz-01-07-125	FV 250	125	55	73	26	36	50	80			125/155	15	99,00	105,50	60	8	80	50	18,98	275000
Fz-01-07-160		160																		
Fz-01-07-200		200																		
Fz-01-07-250		250																		
Fz-01-07-315		315																		
Fz-01-07-400		400																		
Fz-01-08-160	FV 315	160	65	87	30	42	60	90			140/175	18	119,00	125,50	70	10	90	55	26,10	370000
Fz-01-08-200		200																		
Fz-01-08-250		250																		
Fz-01-08-315		315																		
Fz-01-08-400		400																		
Fz-01-09-160	FV 400	160	70	96	32	44	60	100			150/190	20	133,00	141,50	70	12	90	55	30,72	410000
Fz-01-09-200		200																		
Fz-01-09-250		250																		
Fz-01-09-315		315																		
Fz-01-09-400		400																		
Fz-01-10-160	FV 500	160	80	106	36	50	70	110			160/200	21	145,00	153,50	80	12	100	60	38,10	540000
Fz-01-10-200		200																		
Fz-01-10-250		250																		
Fz-01-10-315		315																		
Fz-01-10-400		400																		
Fz-01-11-200	FV 630	200	90	116	42	56	80	120			170/215	22	156,00	164,50	100	12	120	70	48,72	630000
Fz-01-11-250		250																		
Fz-01-11-315		315																		
Fz-01-11-400		400																		
Fz-01-11-500		500																		



ZİMAŞ No.	DIN	p mm.	b ₁ mm.	b ₂ mm.	d ₁ mm.	d ₂ mm.	d ₃ mm.	d ₄ mm.	d ₅ mm.	d ₆ /d ₇ mm.	e mm.	F ₁ mm.	F ₂ mm.	h mm.	s mm.	h ₁ mm.	h ₂ mm.	f mm.	F _s N min.	
Fz-02-09-160	M 315	160	48	70,5	25	36	50	100	100/120	10,5	100,5	106	70	10	100	65	17,50	3150000		
Fz-02-09-200		200																		
Fz-02-09-250		250																		
Fz-02-09-315		315																		
Fz-02-09-400		400																		
Fz-02-09-500		500																		
Fz-02-09-630		630																		
Fz-02-10-200	M 450	200	56	82,5	30	42	60	120	120/140	11,5	118,5	125	80	12	120	80	24,60	4500000		
Fz-02-10-250		250																		
Fz-02-10-315		315																		
Fz-02-10-400		400																		
Fz-02-10-500		500																		
Fz-02-10-630		630																		
Fz-02-10-800		800																		
Fz-02-11-250	M 630	250	66	97	36	50	70	140	140/170	14,5	140	148,5	100	14	140	90	34,56	6300000		
Fz-02-11-315		315																		
Fz-02-11-400		400																		
Fz-02-11-500		500																		
Fz-02-11-630		630																		
Fz-02-11-800		800																		
Fz-02-11-1000		1000																		
Fz-02-12-250	M 900	250	78	113	44	60	85	170	170/210	17	162	170,5	120	16	180	120	49,28	9000000		
Fz-02-12-315		315																		
Fz-02-12-400		400																		
Fz-02-12-500		500																		
Fz-02-12-630		630																		
Fz-02-12-800		800																		
Fz-02-12-1000		1000																		



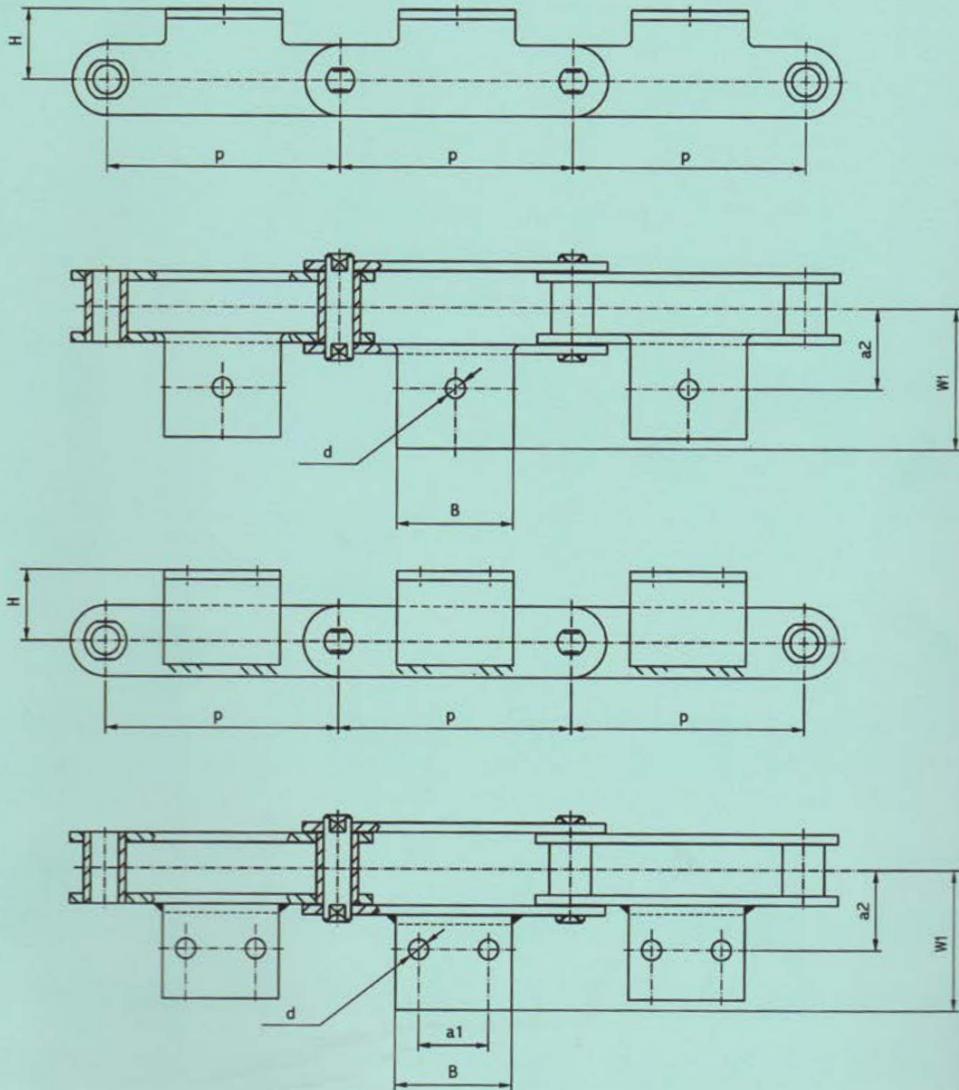
Diş Makara DIN 8166 'a Göre
Rollen nach DIN 8166
Rollers to DIN 8166



Zincir no. Ketten nr. Chain nr.	b4 max.	b5 max.	b7 min.	b8 max.	d3 min.	d4 max.	d5 max.	d6 max.	d7 max.	d9 ~
FV 40	17	16	12	3	15,2	20	32	40	48	26
FV 63	21	20	15	4	18,2	26	40	50	60	30
FV 90	24	23	18	4	20,2	30	48	63	73	35
FV 112	29	28	21,5	5	22,2	32	55	72	87	40
FV 140	34	32	25	5,5	26,2	36	60	80	95	45
FV 180	44	42	34	6,5	30,2	42	70	100	120	50
FV 250	54	50	40	8	36,2	50	80	125	145	60
FV 315	64	60	48	10	42,2	60	90	140	170	70
FV 400	68	64	52	10	44,3	60	100	150	185	70
FV 500	78	72	57	12	50,3	70	110	160	195	80
FV 630	88	80	62	14	56,3	80	120	170	210	100



Kulaklı Baklalar
Befestigungslaschen
Attachments



ZİMAŞ No.	DIN	p mm	a ₁ mm	a ₂ mm	B mm	d mm	H mm	W ₁ mm	Kulak şekli Winkelprofil Angle Iron	q kg/m	q kg/m	q kg/m	q kg/m	q kg/m
										A	B	D	D	D
Fz-02-01-40	M 20 **	40	●	27	14	6,6	16	42	■	1,06	1,44	2,61	2,81	0,02
Fz-02-01-50		50	●		14				■	1,01	1,29	2,23	2,39	0,02
Fz-02-01-63		63	●	20	35				■	0,99	1,23	2,00	2,13	0,04
Fz-02-01-80		80	●	25	50				■	0,90	1,07	1,67	1,77	0,06
Fz-02-01-100		100	●	30	65				■	0,86	1,00	1,47	1,55	0,07
Fz-02-01-125		125	●	35	80				■	0,82	0,95	1,32	1,38	0,07
Fz-02-01-160		160	●	40	95				■	0,80	0,89	1,19	1,24	0,07
Fz-02-02-50	M 28 **	50	●	32	20	9	20	50	■	1,54	1,82	3,3	3,52	0,02
Fz-02-02-63		63	●		20				■	1,42	1,64	2,84	3,00	0,02
Fz-02-02-80		80	●	25	45				■	1,32	1,50	2,44	2,57	0,05
Fz-02-02-100		100	●	30	60				■	1,24	1,38	2,13	2,23	0,07
Fz-02-02-125		125	●	35	75				■	1,18	1,30	1,90	1,98	0,10
Fz-02-02-160		160	●	40	90				■	1,13	1,22	1,69	1,75	0,10
Fz-02-02-200		200	●	45	105				■	1,10	1,17	1,54	1,59	0,10
Fz-02-03-63	M 40 **	63	●	35	20	9	25	56	■	2,24	2,67	4,47	4,70	0,03
Fz-02-03-80		80	●	20	40				■	1,98	2,25	3,75	3,95	0,06
Fz-02-03-100		100	●	40	60				■	1,91	2,12	3,32	3,47	0,08
Fz-02-03-125		125	●	55	85				■	1,81	1,98	2,93	3,06	0,15
Fz-02-03-160		160	●	65	105				■	1,71	1,85	2,60	2,71	0,15
Fz-02-03-200		200	●	85	130				■	1,64	1,75	2,35	2,42	0,15
Fz-02-03-250		250	●	105	155				■	1,60	1,68	2,16	2,23	0,15
Fz-02-04-63	M 56	63	●	44	22	11	30	70	■	3,32	3,93	6,93	7,20	0,05
Fz-02-04-80		80	●		22				■	3,01	3,41	5,86	6,20	0,05
Fz-02-04-100		100	●	25	50				■	2,79	3,11	5,07	5,34	0,12
Fz-02-04-125		125	●	50	75				■	2,60	2,87	4,43	4,65	0,18
Fz-02-04-160		160	●	85	110				■	2,44	2,64	3,87	4,04	0,27
Fz-02-04-200		200	●	105	140				■	2,34	2,50	3,49	3,63	0,27
Fz-02-04-250		250	●	130	170				■	2,25	2,37	3,16	3,27	0,27
Fz-02-05-80	M 80	80	●	48	22	11	35	80	■	4,95	5,29	9,35	9,95	0,05
Fz-02-05-100		100	●		22				■	4,27	4,79	8,03	8,50	0,05
Fz-02-05-125		125	●	50	75				■	3,97	4,38	6,98	7,35	0,18
Fz-02-05-160		160	●	85	110				■	3,70	4,03	6,05	6,35	0,27
Fz-02-05-200		200	●	125	150				■	3,51	3,77	5,39	5,63	0,36
Fz-02-05-250		250	●	165	190				■	3,37	3,57	4,87	5,06	0,36
Fz-02-05-315		315	●	215	240				■	3,24	3,41	4,43	4,58	0,36
Fz-02-06-80	M 112	80	●	55	28	14	40	92	■	6,75	7,88	14,6	15,3	0,13
Fz-02-06-100		100	●		28				■	6,15	7,06	12,4	13,0	0,13
Fz-02-06-125		125	●	35	65				■	5,69	6,42	10,7	11,2	0,30
Fz-02-06-160		160	●	65	95				■	5,26	5,83	9,15	9,54	0,44
Fz-02-06-200		200	●	100	130				■	4,97	5,43	8,09	8,38	0,59
Fz-02-06-250		250	●	130	160				■	4,74	5,10	7,22	7,47	0,59
Fz-02-06-315		315	●	160	190				■	4,53	4,82	6,52	6,70	0,59
Fz-02-06-400		400	●	200	230				■	4,38	4,61	5,94	6,08	0,59
Fz-02-07-100	M 160	100	●	62	30	14	45	100	■	9,70	11,2	19,5	20,4	0,14
Fz-02-07-125		125	●		30				■	8,85	10,1	16,7	17,5	0,14
Fz-02-07-160		160	●	50	80				■	8,15	9,12	14,3	14,9	0,37
Fz-02-07-200		200	●	85	115				■	7,56	8,33	12,50	13,0	0,53
Fz-02-07-250		250	●	115	145				■	7,22	7,82	11,1	11,5	0,80
Fz-02-07-315		315	●	145	175				■	6,88	7,38	9,95	10,3	0,80
Fz-02-07-400		400	●	175	205				■	6,57	6,95	9,00	9,25	0,80
Fz-02-07-500		500	●	215	245				■	6,36	6,68	8,35	8,52	0,80

*** Serbest Ölçü

● 1 Delik
■ Yekpare Bükük Kutak

*** Fraimaß

● 1 Loch
■ Winkel angebeger

*** Free dimension

● 1 hole only
■ bent attachmen



ZIMAS No.	DIN	p mm.	a ₁ mm.	a ₂ mm.	B mm.	d mm.	H mm.	W ₁ mm.	Kulak şekli Winkelprofil Angle Iron	q kg/m O	q kg/m A	q kg/m B	q kg/m D	
Fz-02-08-125	M 224	125	70	35	18	55	114	80 x 60 x 8		13,1	14,9	26,6	27,8	0,25
Fz-02-08-160		160								11,9	13,3	22,4	23,4	0,25
Fz-02-08-200		200	65		100					11,1	12,2	19,5	20,3	0,71
Fz-02-08-250		250	125		160					10,3	11,2	17,1	17,7	1,13
Fz-02-08-315		315	190		225					9,78	10,5	15,1	15,7	1,90
Fz-02-08-400		400	190		225					9,30	9,86	13,5	13,9	1,60
Fz-02-08-500		500	190		225					8,97	9,40	12,3	12,6	1,60
Fz-02-08-630		630	190		225					8,67	9,02	11,3	11,6	1,60
Fz-03-09-160	M 315	160	80	35	18	65	125	70 x 70 x 9		16,3	20,5	34,4	36,1	0,27
Fz-03-09-200		200	50	85						16,7	18,6	29,6	31,0	0,66
Fz-03-09-250		250	100	135						15,6	17,1	25,9	27,1	1,04
Fz-03-09-315		315	155	190						14,6	15,8	22,9	23,7	1,46
Fz-03-09-400		400	155	190						13,9	14,8	20,3	21,2	1,46
Fz-03-09-500		500	155	190						13,3	14,1	18,5	19,1	1,46
Fz-03-09-630		630	155	190						12,8	13,4	16,9	17,4	1,46
Fz-03-10-200	M 450	200	90	40	18	75	140	70 x 70 x 9		24,2	27,5	46,0	47,8	0,37
Fz-03-10-250		250	85	125						22,4	25,0	39,8	41,4	1,17
Fz-03-10-315		315	155	195						20,9	22,9	34,7	36,0	1,82
Fz-03-10-400		400	240	280						19,7	21,3	30,6	31,5	2,62
Fz-03-10-500		500	240	280						18,7	20,1	27,5	28,2	2,62
Fz-03-10-630		630	240	280						18,0	19,0	24,9	25,5	2,62
Fz-03-10-800		800	240	280						17,4	18,2	22,8	23,3	2,62
Fz-03-11-250	M 630	250	115	50	24	90	190	100 x 100 x 12		34,8	39,6	62,8	65,7	0,89
Fz-03-11-315		315	100	150						32,2	35,4	54,3	56,5	2,67
Fz-03-11-400		400	190	240						30,3	32,7	47,8	49,5	4,27
Fz-03-11-500		500	300	350						28,4	30,4	42,4	43,8	6,22
Fz-03-11-630		630	300	350						27,1	28,7	38,3	39,3	6,22
Fz-03-11-800		800	300	350						26,0	27,2	34,7	35,6	6,22
Fz-03-11-1000		1000	300	350						25,2	26,2	32,2	32,9	6,22
Fz-03-12-250	M 900	250	140	60	30	110	240	120 x 120 x 15		51,2	58,0	100	106	1,59
Fz-03-12-315		315	65	125						47,0	52,3	85,7	90,2	3,32
Fz-03-12-400		400	155	215						43,5	47,7	74,0	77,4	5,70
Fz-03-12-500		500	240	300						40,8	44,2	65,3	68,1	7,95
Fz-03-12-630		630	240	300						38,8	41,4	58,1	60,4	7,95
Fz-03-12-800		800	240	300						36,9	39,0	52,2	51,7	7,95
Fz-03-12-1000		1000	240	300						35,5	37,2	47,7	49,1	7,95

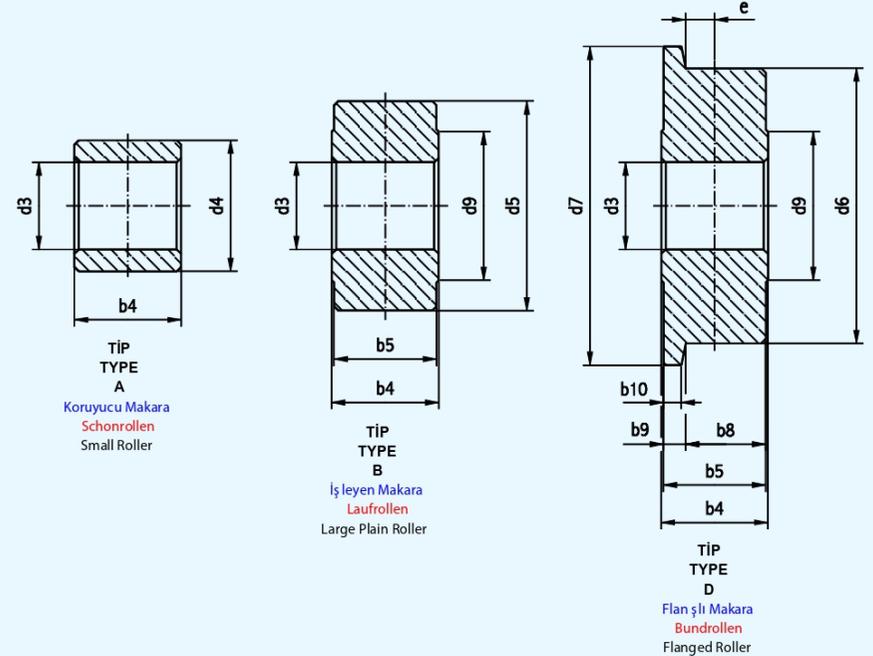
*** Serbest Ölçü
1 Delik
F-8.2 Yekpare Büyük Kulak

● Fraimß
1 Loch
■ Winkel angebeger

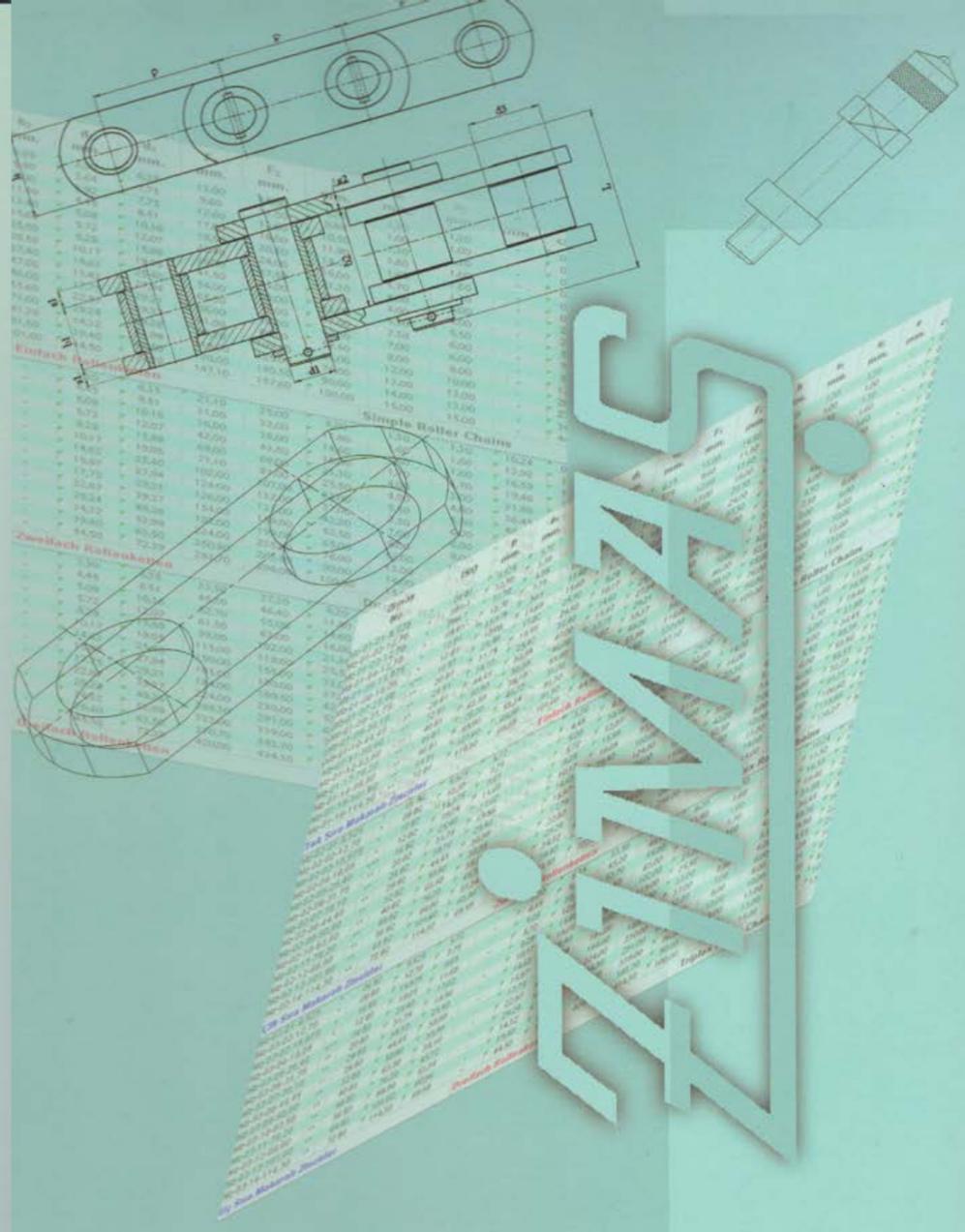
*** Free dimension
● 1 hole only
■ bent attachmen



Dış Makara DIN 8169 'a Göre
Rollen nach DIN 8169
Rollers to DIN 8169



Zincir no. Ketten nr. Chain nr.	b4 max.	b5 max.	b8 min.	b9 max.	b10 max.	e min.	d3 max.	d4 max.	d5 max.	d6 max.	d7 max.	d9 ~
M 20	15	14	11	3	2,5	4	9,2	12,5	25	25	30	18
M 28	17	16	12,5	3,5	3	4,5	10,2	15	30	30	36	20
M 40	19	18	13,5	4,5	3,5	4,5	12,7	18	36	36	42	25
M 56	23	22	17	5	4	6	15,2	21	42	42	50	30
M 80	27	26	20	6	5	7	18,2	25	50	50	60	35
M 112	31	29	22	7	6	7,5	21,2	30	60	60	70	40
M 160	36	34	25,5	8,5	7	8,5	25,2	36	70	70	85	50
M 224	42	40	30	10	8	10	30,2	42	85	85	100	60
M 315	47	45	33	12	10	10,5	36,2	50	100	100	120	60
M 450	55	51	37	14	12	11,5	42,3	60	120	120	140	70
M 630	65	61	45	16	13,5	14,5	50,3	70	140	140	170	85
M 900	76	70	52	18	15	17	60,3	85	170	170	210	110
MC 28	19	18	13,5	4,5	3,5	4,5	17,7	25	36	36	42	25
MC 56	23	22	17	5	4	6	21,2	30	50	50	60	35
MC 112	31	29	22	7	6	7,5	29,2	42	70	70	85	50
MC 224	42	40	30	10	8	10	41,3	60	100	100	120	70



TEKNIK BILGILER – ZINCİR SEÇİMİ
 TECHNISCHE DATEN – AUSWAHL DER KETTEN
 TECHNICAL INFORMATION – SELECTION OF CHAINS



Isıl İşlem Bölümü
Härte Behandlungs Abteilung
Heat Treatment Department



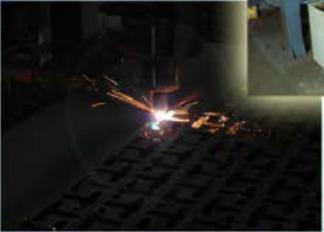
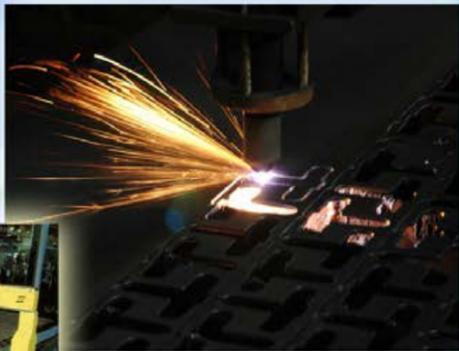
CNC Bölümü
CNC Abteilung
CNC Lathe



Pres Bölümü
Press Abteilung
Presses



Plazma ve Oksijen
Plazma und Gas Schweißung
Plasma Cutting and Oxygen Plants



MAAS



Laboratuvar
Labor
Laboratory



Haddehane
Wälz Abteilung
Rolling Mill



- MAKARALI ZİNCİR SİPARİŞİ İÇİN DETAYLAR

- Gecikmelere neden olabilecek hatalardan kaçınmak için lütfen aşağıdaki detayları göz önünde bulundurun.

- a) - Zincir sıra sayısı.
 b) - Zincir siparişi verilirken zincir tipi bilinmiyorsa lütfen aşağıdaki maddeleri veya zincir numunesini temin ediniz.
 P => Hatve
 b_1 => İç genişlik
 d_3 => Dış makara çapı
 h => Bakla genişliği
 e => Çapraz hatve (Çok sıralı zincirler için)
 c) - Zincir uzunluğu.

c.1) Uzunluk metre olarak sipariş verildiğinde, zincirin daima iç bakla ile başlar, iç bakla ile bitecek şekilde olur. Bağlantı elemanları ayrıca sipariş verilmelidir.

c.2) Zincir bakla sayısı istenildiğinde , başlangıç ve bitiş mutlaka belirtilmelidir. Zincirler çift sayılı baklalara sahiptir ki bunlar montaj için bağlantı elemanlarıyla hazır duruma getirilsin.

d) - Eşli çalışan zincirler.

d.1) Zincirler montaj uzunluklarına göre paralel olarak dengelenmelidir. Bu sipariş aşamasında belirtilmelidir ki zincirler ön gerdirme, işaretleme ve çiftli olarak eşleştirmeli olarak temin edilebilsin. Lütfen bu gereksinimleri ilk sipariş aşamasında açık bir şekilde belirtin.

Lütfen zincirlerin nerede ve ne amaçla kullanılacağını belirtin. ZİMAŞ'ın müşterilerine uygulamaları için doğru zincir sağlamasında yardımcı olun.

- HESAPLAMA SEMBOLLERİ

TANIM	SEMBOL	BİRİM
TORK	Md	Nm
İLK HIZ	n	min ⁻¹
STATİK ÇEKME GÜCÜ	F	N
DİNAMİK ÇEKME GÜCÜ	F _d	N
MERKEZİ ÇEKME GÜCÜ	F _F	N
HATVE ÇAPI	d ₀	mm
HIZ	V	m/s
DİŞ SAYISI	Z ₁ / Z ₂	
HATVE	p	mm
DİŞLİ EKSENLERİ ARASI MESAFE	a	mm
ZİNCİR UZUNLUĞU	X	
KAPASİTE	P	KW/PS
DİYAGRAM / TABLO KAPASİTESİ	P _D / P _T	KW/PS
KARŞILIK FAKTÖRLERİ		
a) İŞLETİM ŞARTLARI	f ₁	
b) DİŞ SAYISI	f ₂	
c) TRANSMİSYON (İLETME) ORANI	f ₃	
d) MERKEZİ UZAKLIK	f ₄	
e) ZİNCİR TİPİ (TEK, ÇİFT, V.B)	f ₅	
ZİNCİR AĞIRLIĞI	q	Kg/m



- ZİNCİR SEÇİMİNDE BİLİNMESİ GEREKENLER

* İLETİLECEK GÜÇ	P (KW/PS)
* ZİNCİR DİŞLİSİNİN TAHRİKİ İÇİN DEVİR SAYISI	n
* TRANSMİSYON (İLETME) ORANI	i[-]
* DİŞLİ EKSENLERİ ARASI MESAFE	a[mm]
* KARŞILIK FAKTÖRÜ	f ₁ -f ₂

- KARŞILIK FAKTÖRLERİ İLETİM GÜCÜYLE ÇARPILIR.

- UYGUN ZİNCİR İÇİN PD GÜCÜ DİYAGRAMINA GÖRE VEYA TABLODAKİ PT GÜCÜNE BAĞLI OLARAK BELİRLENİR.

- FORMÜLLER

TORK =>	$Md = \frac{9550 \cdot p}{n} = \frac{F \cdot d_0}{2000} \text{ Nm}$
KAPASİTE =>	$P = \frac{F \cdot V}{1000} = \frac{Md \cdot n}{9550} \text{ KW}$
STATİK ÇEKME GÜCÜ =>	$F = \frac{1000 \cdot P}{V} = \frac{2000 \cdot Md}{d_0} \text{ N}$
HIZ =>	$V = \frac{z \cdot p \cdot n}{60 \cdot 000} \text{ m/s}$
DİNAMİK ÇEKME GÜCÜ =>	$F_d = F \cdot f_1 + F_f \text{ N}$
HATVE ÇAPI =>	$d_0 = \frac{p}{\sin \frac{180^\circ}{z}} \text{ mm}$
MERKEZİ ÇEKME GÜCÜ =>	$F_f = q \cdot V^2 \text{ N}$



- TRANSMİSYON ZİNCİRLERİNİN KULLANMANIN AVANTAJLARI

- Oldukça uzak mesafelere güç ve hareket iletir.
- İstenen çevrim oranını tam olarak sağlar.
- Bir milden aynı anda birkaç mile hareket iletilebilir.
- Çeşitli ortamlarda (sıcaklık, toz, rutubet) iyi bir çalışma kabiliyeti gösterir.

- ZİNCİR SEÇİMİNDE DİKKAT EDİLECEK FAKTÖRLER

- Zincir seçimi genellikle ürettiği güç ve devir sayılarına göre seçilir.
- Darbeli yükte çalışma veya sürekli sabit yükte çalışma şartları zincir seçimini etkiler.
- Uzun ömürlü ve güvenli bir zincir seçimi, güç, pinyon dişlisi, devir sayısı, çalışma koşulları, yağlama, bakım ve hatvenin çok iyi seçilmesi ile mümkündür.

- ZİNCİR SEÇİMİ İÇİN ETKİ FAKTÖRLERİ

ÇALIŞMA ŞEKLİ (TİPİ)	DARBESİZ SABİT YÜK	BENZER HAFİF ŞOKLAR	HAFİF ŞOKLAR ORTA DÜZEYLİ ŞİŞME YÜKLERİ	ORTA ŞOKLAMA AĞIR ŞİŞME YÜKLERİ	AĞIR ŞOKLAR HAFİF ÜZERİ ÇALIŞMA ŞOKLARI	AĞIR ŞOKLAR ORTA ÜZERİ ÇALIŞMA ŞOKLARI
ŞOKLAMA (DARBE) KATSİYİSİ	1	1,5	2	3	4	5
ETKEN f_1	1	1,25	1,37	1,59	1,73	1,89

DİŞ SAYISI z_1	11	13	15	17	19	21	23	25
ETKEN f_2	1,82	1,52	1,3	1,14	1	0,9	0,81	0,74

TRANSİSYON ORANI	1:1	2:1	3:1	5:1	$\geq 7:1$
ETKEN f_3	1,22	1,08	1	0,92	0,87

DİŞLİ EKSENLERİ ARASI MESAFE (a)	20.p	40.p	80.p	160.p
ETKEN f_4	1,15	1	0,85	0,69

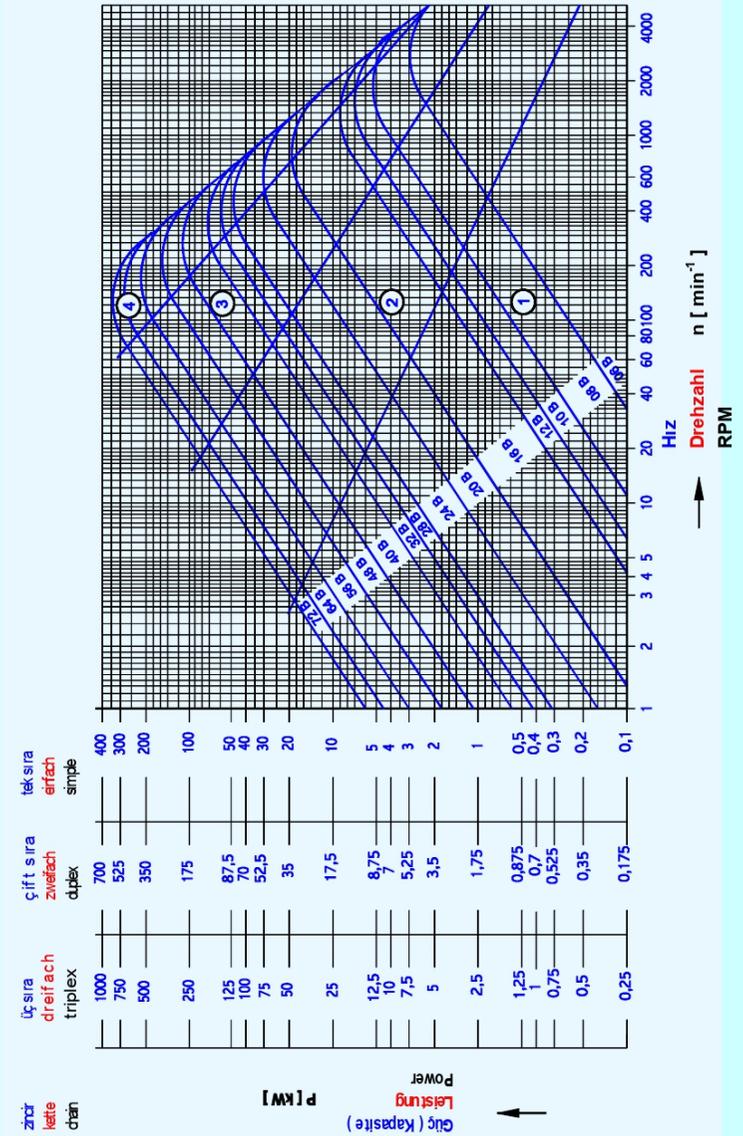
ZİNCİR TİPİ	TEK SIRA	ÇİFT SIRA	ÜÇ SIRA
ETKEN f_5	1	0,6	0,4



- ZİNCİR SEÇİM DİYAGRAMI

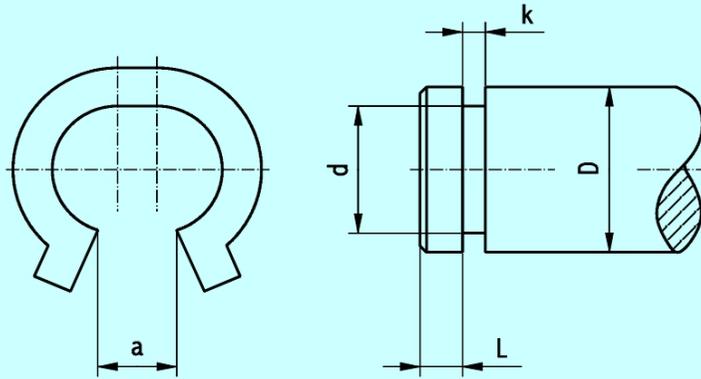
- AUSWAHL DER KETTEN

- SELECTION OF CHAINS





- TAKVİYELİ SEGMANLAR
- ABMESSUNGEN FÜR SCHLEIFRINGE
- REINFORCEMENT SPRING CLIP



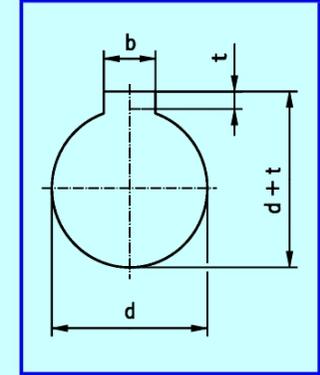
D	a	d	k	s	l
8	6,20	6,00 - 0,20	1,80 + 0,20	1,50	2,50
10	7,50	7,20 - 0,20	1,80 + 0,20	1,50	2,50
12	9,30	9,40 - 0,20	1,80 + 0,20	1,50	3,00
14	11,30	10,90 - 0,20	2,40 + 0,20	2,00	3,50
16	12,90	12,70 - 0,20	3,00 + 0,20	2,50	4,50
18	14,30	13,80 - 0,20	3,50 + 0,20	3,00	5,00
20	16,00	15,50 - 0,20	3,50 + 0,20	3,00	6,00
22	18,00	17,50 - 0,20	3,50 + 0,20	3,00	6,00
26	21,00	20,00 - 0,30	3,50 + 0,20	3,00	6,50
30	23,20	23,00 - 0,30	4,50 + 0,20	4,00	7,00
36	31,30	30,00 - 0,30	4,50 + 0,20	4,00	8,00
39	32,80	32,50 - 0,30	5,50 + 0,20	5,00	8,50
40	32,80	32,50 - 0,30	4,50 + 0,20	4,00	8,50
42	35,70	35,50 - 0,30	4,50 + 0,20	4,00	8,00
50	44,50	41,50 - 0,30	5,50 + 0,20	5,00	10,00
60	50,50	50,00 - 0,30	5,50 + 0,20	5,00	10,00



- MİL ÇAPINA GÖRE KAMA ÖLÇÜLERİ (DIN 6885)
- NABENNUTABMESSUNGEN FÜR PAßFEDERN (DIN 6885)
- THE SIZES OF KEYWAY (DIN 6885)

d	b	t
6 - 8	2	1,00
8 - 10	3	1,40
10 - 12	4	1,80
12 - 17	5	2,30
17 - 22	6	2,80
22 - 30	8	3,30
30 - 38	10	3,30
38 - 44	12	3,30
44 - 50	14	3,80
50 - 58	16	4,30
58 - 65	18	4,40
65 - 75	20	4,90

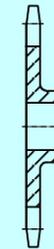
d	b	t
75 - 85	22	5,40
85 - 95	25	5,40
95 - 110	28	6,40
110 - 130	32	7,40
130 - 150	36	8,40
150 - 170	40	9,40
170 - 200	45	10,40
200 - 230	50	11,40
230 - 260	56	12,40
260 - 290	63	12,40
290 - 330	70	14,40
330 - 380	80	15,4



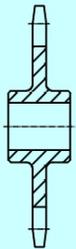
- DİŞLİ KONSTRÜKSİYON ÇEŞİTLERİ
- KETTENRADER FORMEN
- SPROCKET DESIGNS



Form A



Form B



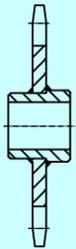
Form C



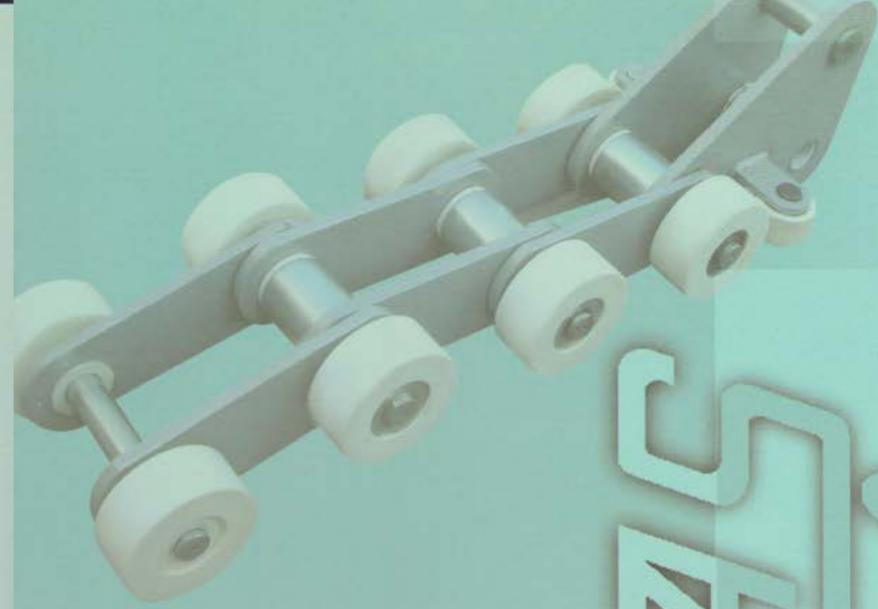
Form E



Form F



Form G



ZİİMAAS

ÖZEL ÜRETİMLERİMİZ
SONDER FERTIGUNG
SPECIAL PRODUCTION



SICAK DÖVME ZİNCİRLERİ

SCHMIEDEKETTEN



Zimas No.	ISO	Haç Zincir Pitch p mm.	Plak Güçlüğü Lüchsenhöhe Height of Plate Link h mm.	Plak Kalınlığı Lüchsen Stärke Thickness of Link s mm.	Delik Ø Bohrung Ø Hole Ø d mm.
Dv-01-01-102	-	102	36	15	14
Dv-01-02-125	-	125	36	13	16
Dv-01-03-142	-	142	40	19	20
Dv-01-04-142	-	142	40	20	20
Dv-01-05-142	-	142	50	19	25
Dv-01-06-142	-	142	50	22	25
Dv-01-07-142	-	142	50	25	25
Dv-01-08-142	-	142	50	29	25
Dv-01-09-143	-	143	50	18	25
Dv-01-10-160	-	160	46	20	20
Dv-01-11-160	-	160	50	25	25



ÖZEL ÜRİTLERİMİZ

SONDER FERTİGUNG

SPECIAL PRODUCTION



ÖZEL ÜRİTLERİMİZ

SONDER FERTİGUNG

SPECIAL PRODUCTION



ÖZEL ÜRÜMLERİMİZ

SONDER FERTİĞUNG

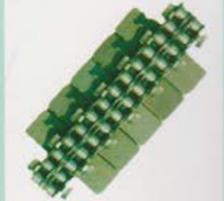
SPECIAL PRODUCTION



ÖZEL ÜRÜMLERİMİZ

SONDER FERTİĞUNG

SPECIAL PRODUCTION



zincirde

30

yıllık tecrübe..

jahre erfahrung in ketten..

years experience in chains..

ZİMAŞ

ZİMAŞ



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