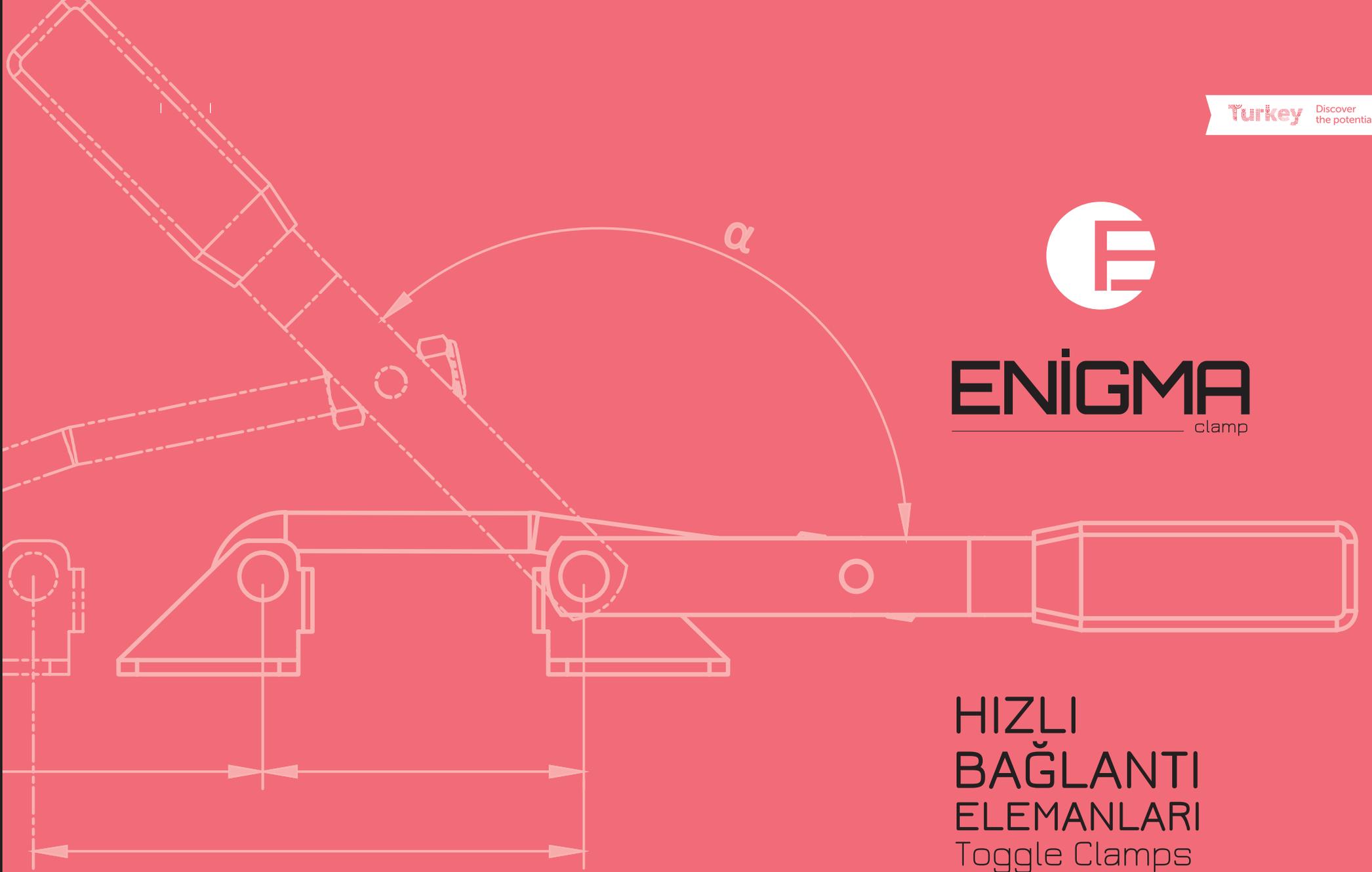


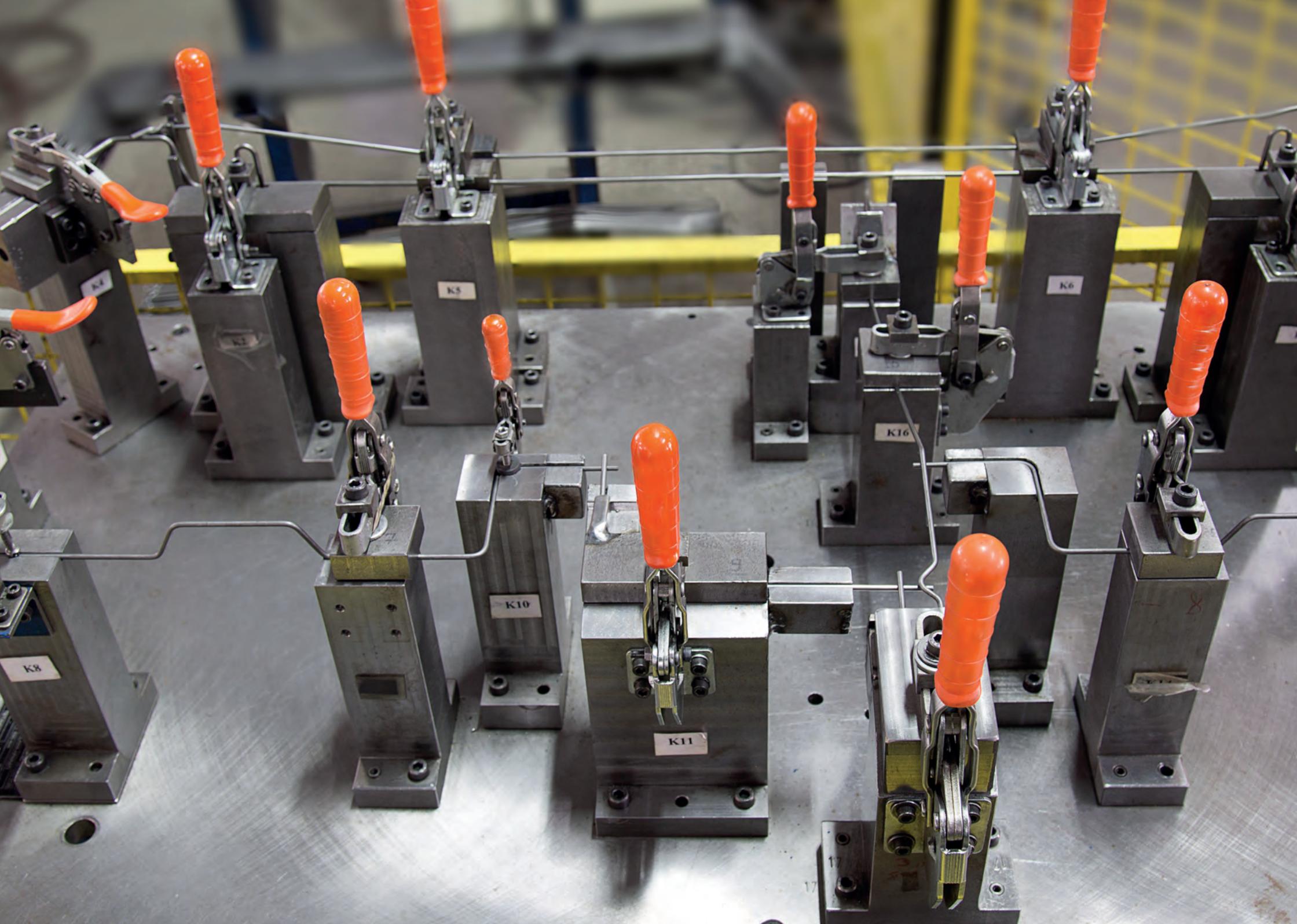


ENIGMA
clamp



HIZLI
BAĞLANTI
ELEMENLARI
Toggle Clamps





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Hakkımızda About

Enigma Hızlı Bağlantı Sistemleri; çalışanlarıyla birlikte evrensel kalite ve standartlarda ürün ve hizmetler sunmak gayesiyle başladığı bu yolculukta adım adım ilerlerken kendi başarı hikayesini de yazıyor. Girişimci ruha rahip bu başarı hikayesinin mimarları yeni fikirleri, yetenek, cesaret ve bilgi bileşenleri ile harmanlayarak "Enigma Hızlı Bağlantı Sistemleri" nin farkını ortaya koyuyor.

Vizyonumuz

Farklılıklar yaratarak kalıcı üstünlükler sağlamak.

Misyonumuz

Rekabetçi ve sürdürülebilir büyüme potansiyelini, paydaşlarına da değer yaratacak şekilde yönetmek.

Hedef ve İlkelerimiz

Müşterilerimiz için değer yaratmak, beklentilerine kalite ve istikrarla karşılık vermek önceliğimizdir. İlkelerimiz, üstün iş ahlakı ve dürüst çalışma ilkelerine uyarak, ilişkilerimize adilane, iyi niyet ve anlayışla yaklaşarak, yasalar ve ahlak kuralları içerisinde ilerletmemizi kapsar. Gücümüzü aldığımız Türk ekonomisine güç katmak hedefimizdir.

Değerlerimiz:

Güvenilirlik
İnovasyon
Sürdürülebilir Başarı
Girişimcilik

Enigma Fast Clamping Systems, together with its employees, is writing its own success story while proceeding step by step in a journey of which it started out with an aim of products and services supply in the universal quality and standards. The architects of this success story, with their entrepreneurship spirit, exhibit the difference of "Enigma Fast Clamping System" by blending their new ideas together with their talents, courage and knowledge.

Vision

Achievement of ascendance by creating difference.

Mission

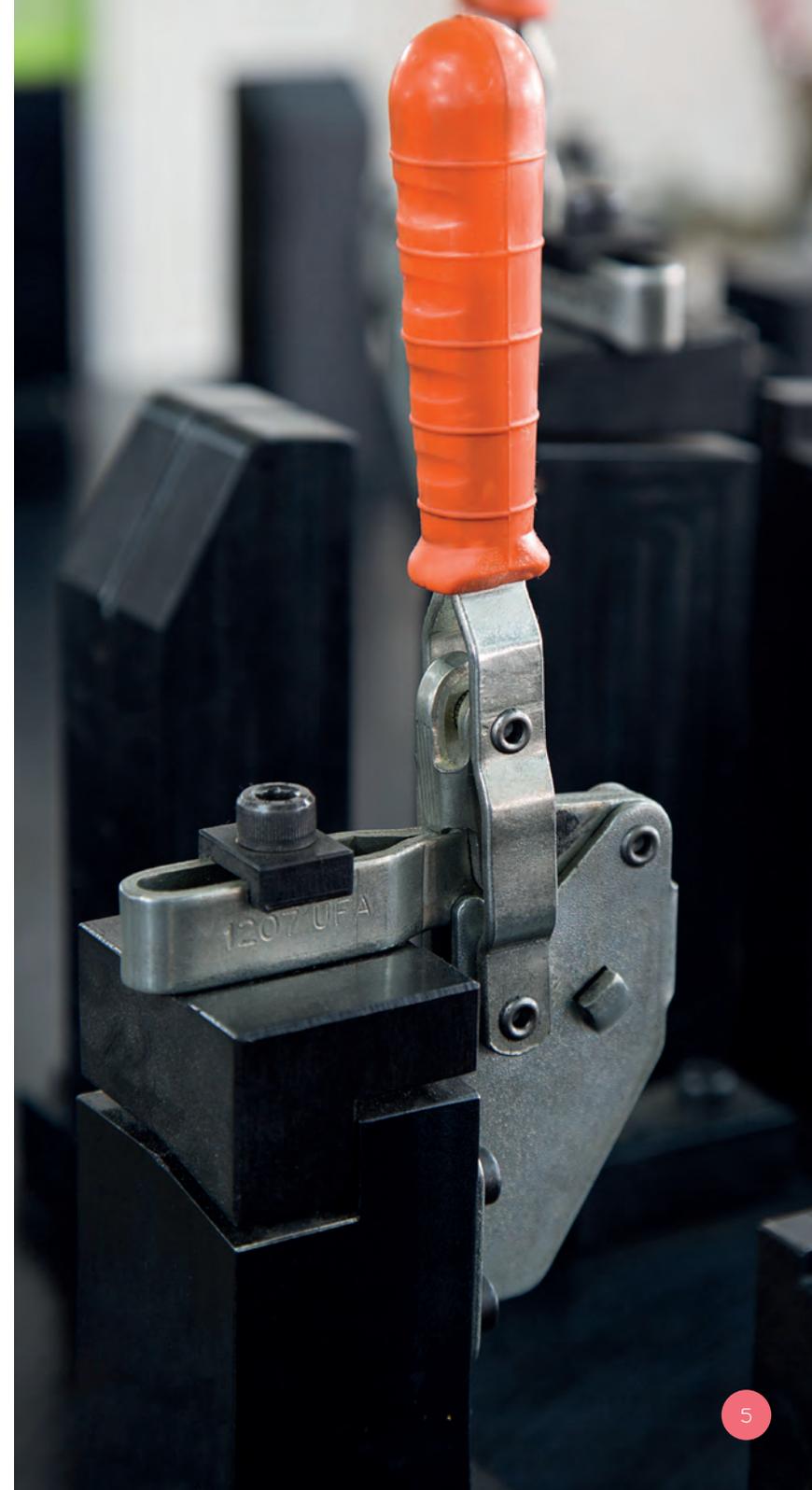
Management of its competitive and sustainable growth potential in a way of creating value for its shareholders.

Aim and Principles

Creating value for our customers and fulfilment of their expectations with a permanent quality are our priorities. Our principles consist to progress of our business within the legal and ethical rules' framework and to approach our business relations with a good faith and comprehension with a conformity of superior code of conduct and principles of reliable business. Our aim is to strengthen Turkish economy of which we obtain our strength.

Values

Reliability / Credibility
Innovation
Sustainable Success
Entrepreneurship







Hızlı Bağlantı Elemanları (Toggle Clamp) Nedir?

Kullanım Alanları ve Özellikleri Nelerdir?

Hızlı Bağlantı Elemanları (Toggle Clamp); endüstride tam karşılığı olmasa da CLAMP olarak tanımlanmaktadır. KENET ve SERAJ olarak tanımlandığı durumlar da mevcuttur. En düşük kuvvet ile en yüksek sıkıştırma, itme ve çekme kuvveti sağlayan mafsal hareketli mekanizmalardır. Üzerinde çalışılan parçaları sıkıştırmak için mafsalı kola sahip olan kilitleme cihazları, elle, pnömatik ve hidrolik kumanda edilebilir hızlı bağlantı sistemleridir. Hızlı ve geniş bir açıyla açılarak işlem yapılacak ürünü kolayca sıkar ya da serbest bırakır.

Kullanım Alanları

Otomotiv ve makine sektörü, kaynak kontrol ve montaj aparatları, talaşlı seri üretimde parça sabitlemenin yanında fikstür kalıplarında, profil sıkıştırmada, ölçme laboratuvarlarında, ahşap, mobilya üretim sanayiinde ve plastik sanayi iş kalıplarında delme, bükme ve bağlama elemanı olarak yoğun şekilde kullanılmaktadır. Kullanıldığı Ana Sanayiler: Otomotiv-Makine-Beyaz Eşya-Gıda-Plastik Ahşap-Mobilya- Seramik

Genel Özellikler

- Galvaniz kaplı, yüksek kaliteli, çelik sac aksam
- Dış çapı üzerinde sıkı geçme toleranslarında işlenmiş tırtıl, H7 toleransında iç çap ve ısıtılmış işlem görmüş yağlı yataklama burçları
 - Ergonomik plastik sap
- Farklı bağlantı tabanlarıyla (yatay-dikey) projenize uygun seçim imkanı
- Basma dayanımı yüksek, kaydırmaz, iki ekseninde ayarlanabilen baskı grubu.

What is Toggle Clamp?

What are the usage areas and features of Toggle Clamp?

These are moveable toggle mechanisms which provide the strongest squeezing, propulsion and traction force with the lowest power. Interlock devices, which have toggles to squeeze the items on which have been worked, are fast clamping systems which can be manually, pneumatically or hydraulically commanded. They easily squeeze or release the targeted products by quickly expanding in a wide angle.

Usage Areas

Toggle Clamps are being used intensively in automotive and machine sectors, originator control and assembly tools, beside fixing equipment, fixture moulds in mass machining production, squeezing profiles, measuring labs, wood, furniture production industry and in plastic industry business moulds as pricking, bending and connection components.

Main Industries in which Toggle Clamps have been used: Automotive – Machine – White Appliance – Food – Plastic Wood – Furniture – Ceramic

General Features

- Galvanised, highly qualified steel sheet components
- A trimmed serration on the press-fitting pressure tolerance level on the external radius, internal radius in H7 tolerance and heat-treated, lubricated bearing bushing
- Ergonomic plastic handle
- An appropriate selection opportunity for your project with different connection bases (horizontal-vertical)
- A highly compressive strengthen, anti-slip compression piece which can be set in two axis

ÖNCE İŞ GÜVENLİĞİ
Açma kapama
esnasında parmak
sıkışmalarını
engellemek için
güvenli tasarım

SAFETY FIRST
Safety clamping piece
with finger protection
with integrated stop
functions.

BASKI GRUBU

Yağa ve yanmaya dayanıklı,
kaydırmaz yapıda baskı
parçası. İsteğe bağlı olarak
metal başlıklı olabilir.

CLAMPING GROUP

Non-slip rubber print, oil and
heat resistant till 80 Shore
hardness. It can be used as
metal depending on demand.

TUTAMAK

Yağa ve darbelere dayanıklı
kaymaz yapıda ergonomik tutamak

HANDLE

Easy and ergonomic grabbing with
resistance to oil and impact

MALZEME

Galvaniz veya özel siyah kaplama,
yüksek kalite sac metal aksam.

MATERIAL

High-quality steel unit with
galvanized and black coated.

PİMLER

Montaj bölgesindeki eksenel
hareketleri engelleyen
üzerine tırtıl çekilmiş, uç kısmı
delikli paslanmaz özel pimler.

STAINLESS RIVETS

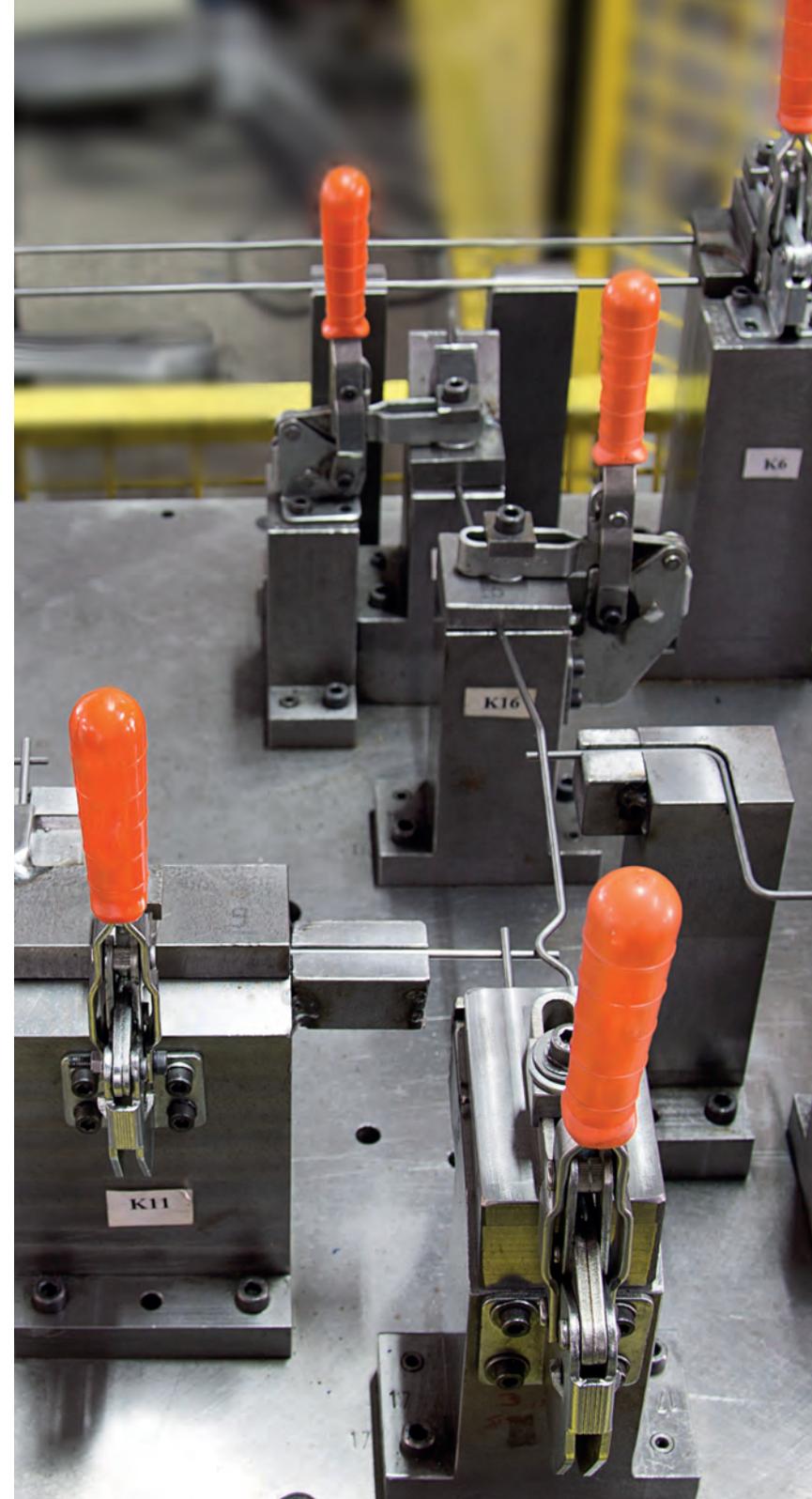
Special case-hardened steel bushes
rivets with holes and knurled in order
to prevent of the axial displacement
in assembly area.

BURÇLAR

35 HRC sertliğe sahip, paslanmaz, imalat aşamasında
yağlanmış tırtıllı burçlar. Tüm hareketli birleştirme
bölge lerinde pim ve burç sistemi kullanılmıştır.
Uzun süre yağlama gerektirmeden ses siz ve
güvenli çalışır.

BUSHING

Bushing has 35 HRC heat treated, stainless,
oiled knurled during the manufacturing.
All moving unit have a bushing system
with H7 tolerance



TUTAMAK

Yağa ve darbelere dayanıklı kaymaz yapıda ergonomik tutamak

HANDLE

Easy and ergonomic grabbing with resistance to oil and impact

MALZEME

Sıcak dövme teknolojisiyle şekillendirilmiş mafsalsız 13.250 N'a kadar tutma kapasitesi ile ağır işlerinize çözüm sunar.

MATERIAL

Hot forging technology with shpaed joint which is heavy duty solutions and it's provide till 13250 N hold.

KADEMELİ MONTAJ CİVATALARI

Taşlanmış dış çapa sahiptir. Kademeli yapısıyla sıkma torkuna bağlı kalmaksızın çalışma boşluğu ölçüsünü sabit tutar.
STEP CONTROLLED SCREWS
Rebored external diameter. With its gradual structure, it keeps the work gap constant without depending on tightening torque. Quality : 12.9 ISO 898 - 1, Heat Treated, High Strength Knurled, Steel Head (Anti Slip), Impact Test : KCU 15 J Min., Elasticity : A = ≥ 8 Min. Voltage : 1100 N / mm²

BASKI GRUBU

Yağa ve ısıya dayanıklı 80 Shore sertliğinde, kaydırmaz kauçuk baskı parçası. İsteğe bağlı olarak metal olarak kullanılabilir.

CLAMPING GROUP

Non-slip rubber print, oil and heat resistant till 80 Shore hardness. It can be used as metal depending on demand.

ÖNCE İŞ GÜVENLİĞİ

Patentli kilit mekanizması clampin açık pozisyonda kendiliğinden kapanmasını engelleyerek iş güvenliği risklerini ortadan kaldırır.

SAFETY FIRST

The patented toggle clamp is eliminates the risk of work safety by preventing the connection element from automatically closing in the open position.

AYARLANABİLİR DAYAMA

Sadece Enigma Clamp™ e özel pozisyon ayarlı yapısıyla hareket kolu açılma açısı ayarlanabilir. Bu özellik; operatörlerin klempleri açarken daha hızlı hareket etmelerini sağlar, iş gücünü azaltır.

ADJUSTABLE TREATMENT

Only Enigma Clamp™ has with angle of opening of the movement line can be adjusted by the special position adjustment structure. This feature; allows operators to move faster when opening clamps, reducing workload.

BURÇLAR

35 HRC Sertliğe sahip, paslanmaz, imalat aşamasında yağlanmış tırtıllı burçlar. Tüm hareketli birleştirme bölgelerinde H7 toleransa sahip burç sistemi kullanılmıştır.

BUSHING

Bushing has 35 HRC heat treated, stainless, oiled knurled during the manufacturing. All moving unit have a bushing system with H7 tolerance

ÖN PARALEL BURÇ

Gövdenin simetrik olarak paralellliğini ve çalışma boşluğunun ölçü tamlığını sağlar.

FRONT PARALLEL BUSH

Provides symmetrical parallel of the body and measurement accuracy in the field of work



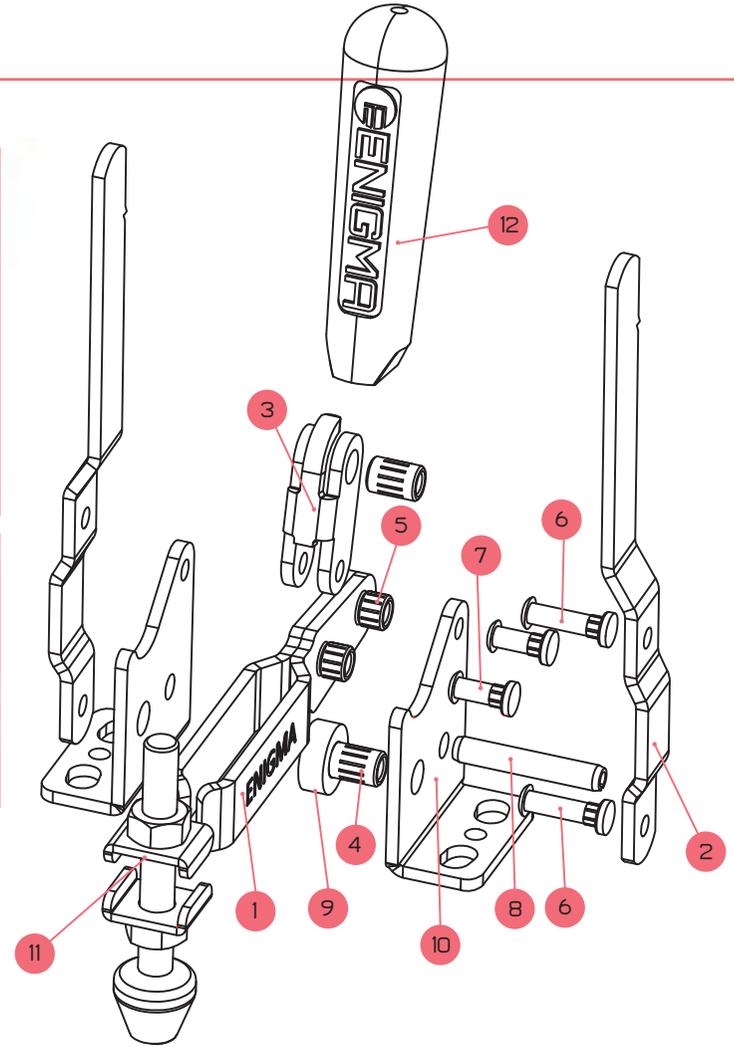
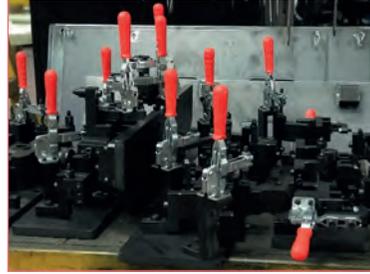
DIKEY BAĞLANTI ELEMENLARI

Vertical Toggle Clamps

Y SERİ / Y SERIES

Montaj Tipi: Yatay Taban

Body Mounting Base: Horizontal



E PATLATILMIŞ
EXPLODE

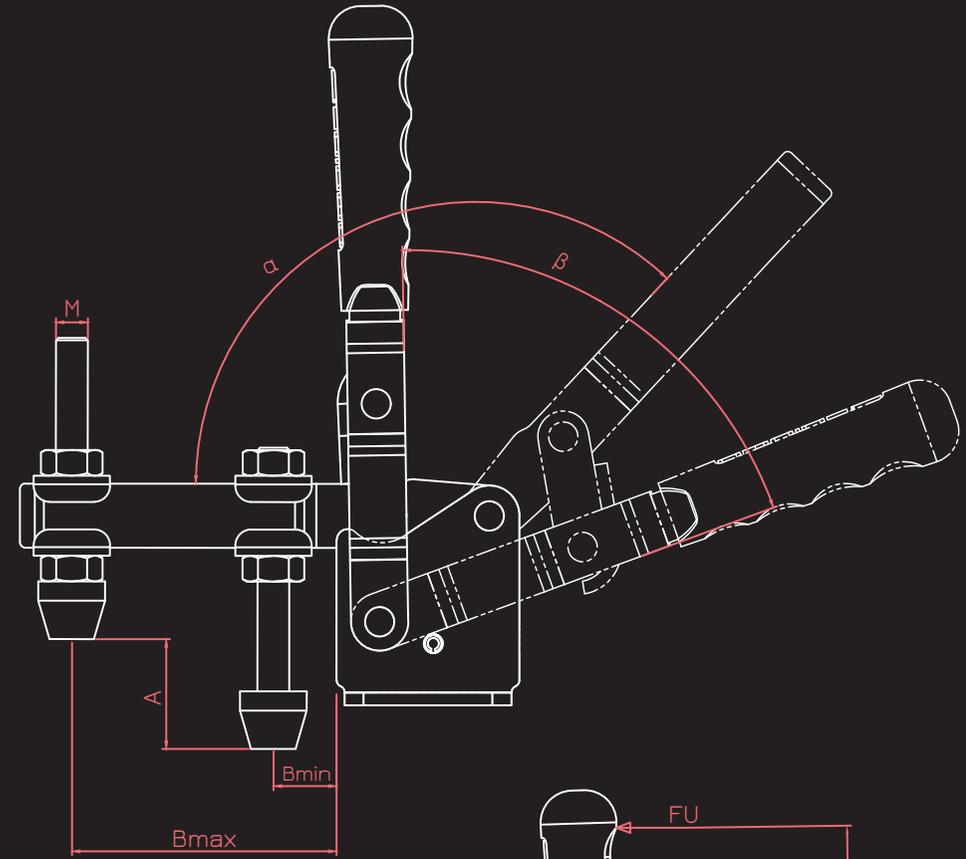
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1	Baskı Kolu	2
2	Hareket Kolu	2
3	Mafsal	1
4	Burç	2
5	Burç	2
6	Perçin	2

ÖGE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
7	Perçin	2
8	Yanklı Pim	1
9	Destek Yüzüğü	1
10	Y Gövde	2
11	Baskı Grubu	1
12	Tutamak	1



KUVVET ANALİZİ FORCE ANALYSIS

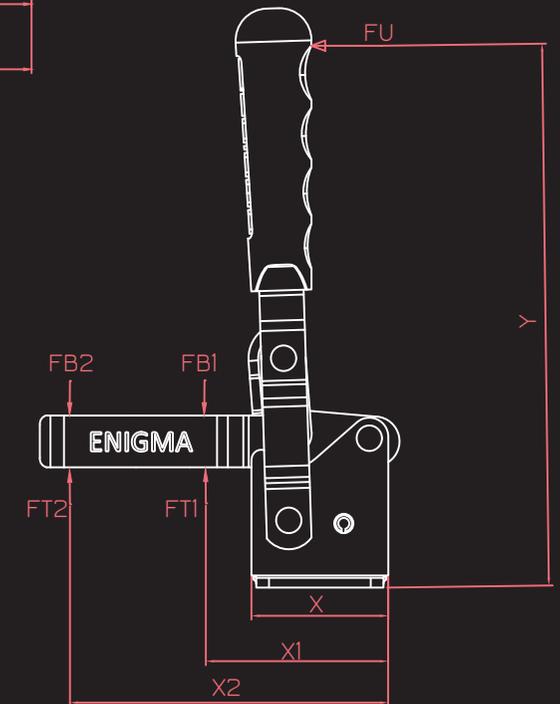
MODEL	α ($\pm 2^\circ$)	β ($\pm 2^\circ$)	A	Bmin	Bmax	M	AĞIRLIK KG (weight)
1101 Y	95	58	14	12	34,5	M5x34	0.14
1102 Y	102	56	27,5	13,5	48,5	M6x53	0.21
1103 Y	107	58	26	18	50	M8x60	0.43
1104 Y	130	68	34	27	80	M10x76	0.71
1105 Y	135	70	34	24,5	80,5	M10x76	0.92
1106 Y	134	64	35,5	30	102	M12x86	1.65



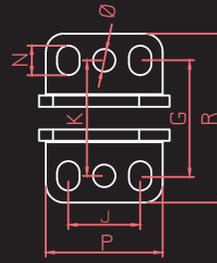
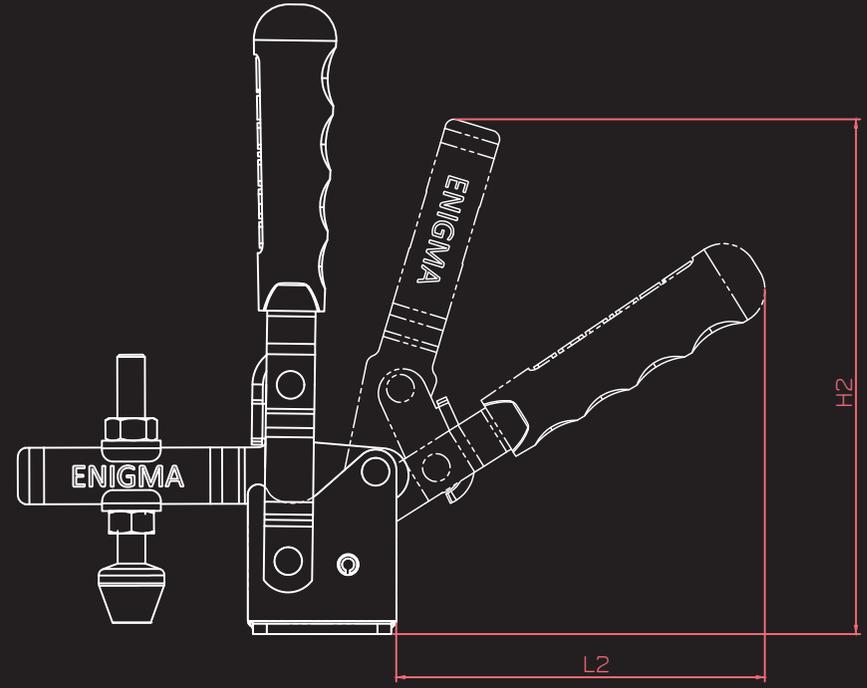
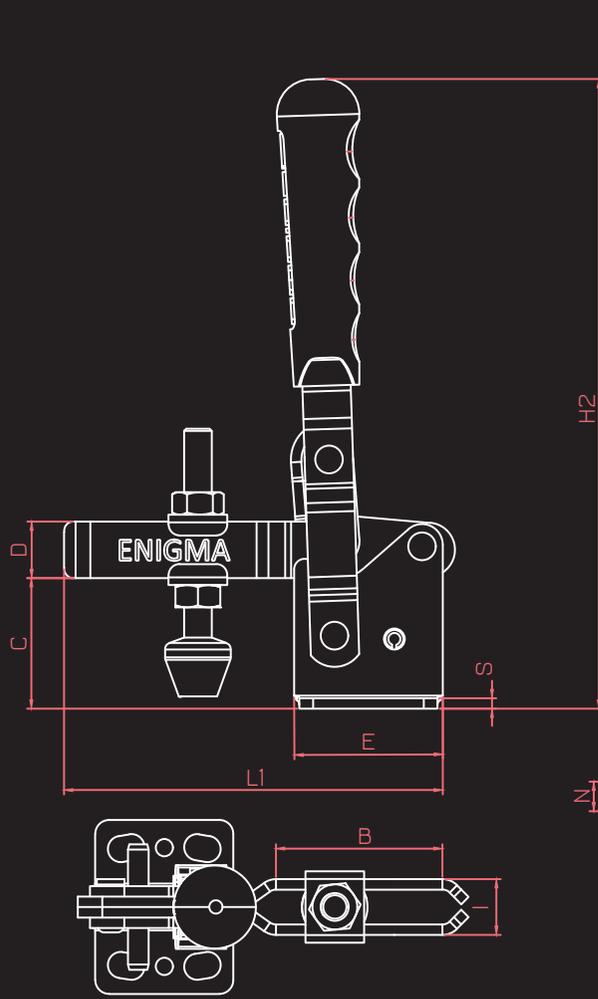
KUVVET ANALİZİ FORCE ANALYSIS

MODEL	X	X1	X2	Y	FT1 (N)	FT2 (N)	FBI (N)	FB2 (N)	FBI : FU	FB2 : FU
1101 Y	31	38	56	92	745	460	800	375	10:1	5:1
1102 Y	39	44	71	121	1050	730	1300	550	12:1	8:1
1103 Y	46	55	100	169	2500	1575	2100	1450	12:1	8:1
1104 Y	55	67	143	195	3300	2200	2900	1900	12:1	8:1
1105 Y	70	97	175	216	4500	2600	4300	2200	12:1	8:1
1106 Y	71,5	83,5	106	240	5050	3050	4600	2550	12:1	8:1

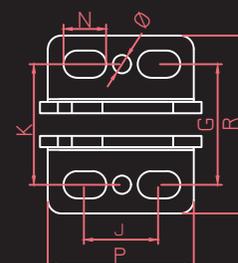
FT1-FT2: TUTMA KAPASİTESİ (HOLDING CAPACITY), FBI-FB2: BASKI KUVVETİ (CLAMPING FORCE),
FU: UYGULAMA KUVVETİ (APPLIED FORCE)



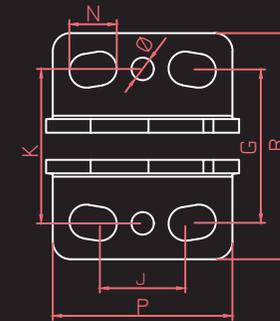
Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice



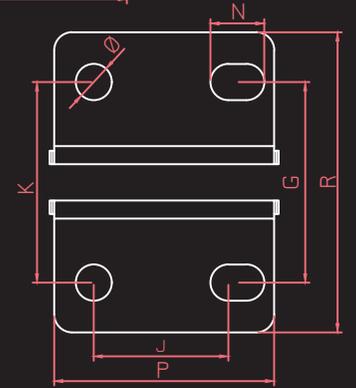
Model: 1101 Y



Model: 1102 Y



Model: 1103 Y
1105 Y
1106 Y



Model: 1104 Y



ÖLÇÜLENDİRME
DIMENSIONS

MODEL	B	C	D	E	G	H1	H2	I	J	N	K	L1	L2	P	R	S	Ø
1101 Y	31,14	23	10	29	24-27	120,5	96	10,5	16	5x6,5	25,5	72,5	73,5	26	37,5	2,5	5
1102 Y	46,5	28	13	36	26,6	129,5	126,5	12	13-20	6x9,5	26,6	95,5	74,5	32,5	39,5	2,5	4
1103 Y	48	37,3	16,2	43	33,3-34,3	181	147,6	16	19-25	7,5x10,6	34,1	110	106,5	40	50	3	5
1104 Y	75	44	20	51	44,3	210	195	20	30-34	8x12	44,3	152	134	49	66,3	3	8
1105 Y	79	49	20	57,5	40-49	218	203,5	18	28-34,5	10x15	45,2	157,1	138,5	52,5	68,4	4	5,2
1106 Y	99	51,5	25	71,5	45-52	250	253	22	24,6-45	9x20	52,3	195,5	153,5	65	77	5	7

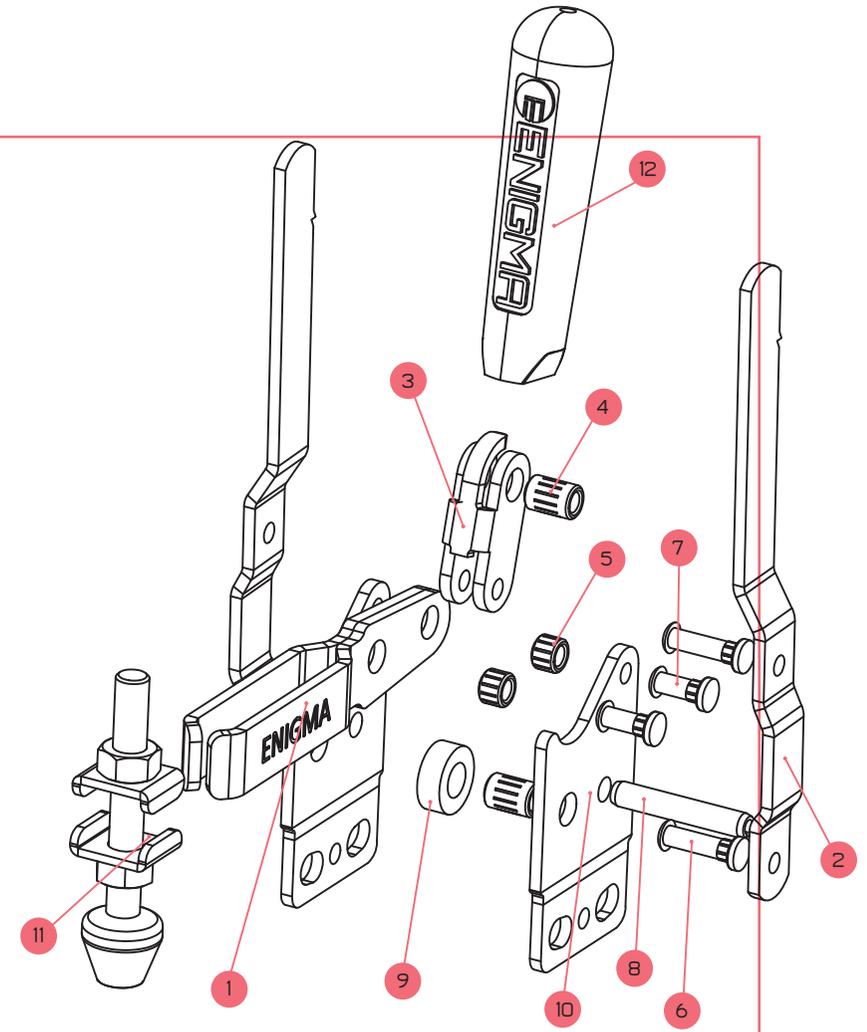


DIKEY BAĞLANTI ELEMENLARI

Vertical Toggle Clamps

D SERİ / D SERIES

Montaj Tipi: Dikey Taban
Body Mounting Base: Vertical



E PATLATILMIŞ
EXPLODE

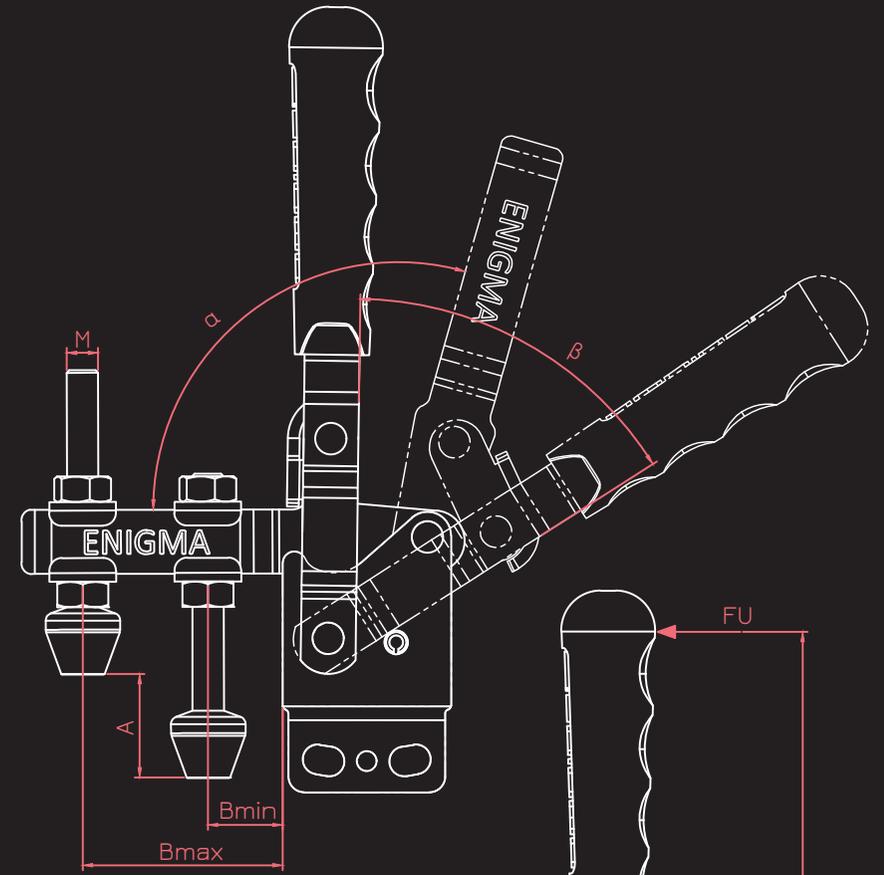
ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY	ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	Baskı Kolu	2	7	Perçin	2
2	Hareket Kolu	2	8	Yarıklı Pim	1
3	Mafsal	1	9	Destek Yüzüğü	1
4	Burç	2	10	D Gövde	2
5	Burç	2	11	Baskı Grubu	1
6	Perçin	2	12	Tutamak	1

Görsellerde verilen ürün, model kodu farklılıklarına göre değişiklik gösterilebilir. / The product shown in the images may differ from some others depending on the model code differences.



AÇI ve HAREKET ANALİZİ ANGLE and MOTION ANALYSIS

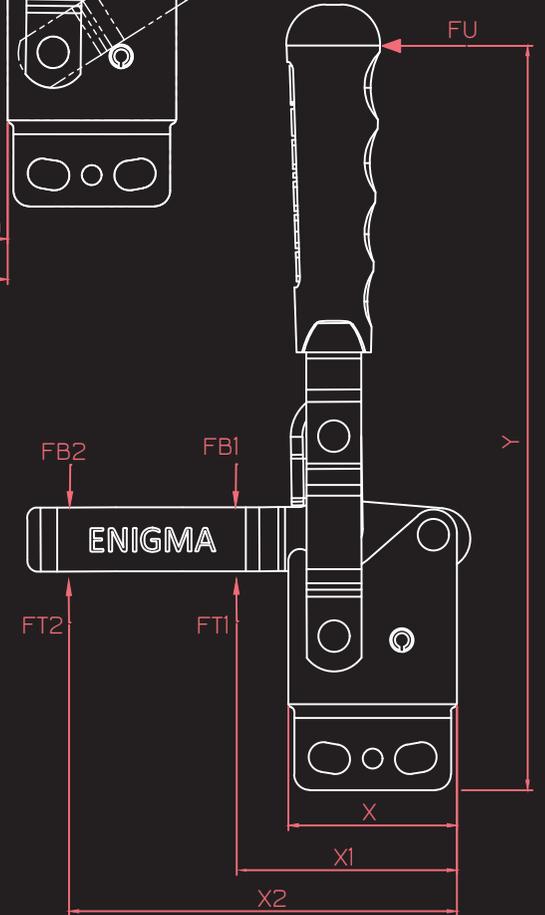
MODEL	α ($\pm 2^\circ$)	β ($\pm 2^\circ$)	A	Bmin	Bmax	M	AĞIRLIK KG (weight)
1101 D	95	58	14	12	34,5	M5x34	0.14
1102 D	102	56	27,5	13,5	48,5	M6x53	0.20
1103 D	107	58	26	18	50	M8x60	0.42
1104 D	130	68	34	27	80	M10x76	0.70
1105 D	135	70	34	24,5	80,5	M10x76	0.90
1106 D	134	64	35,5	30	102	M12x86	1.62



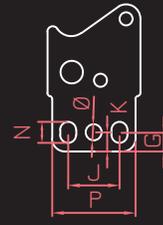
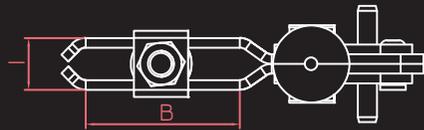
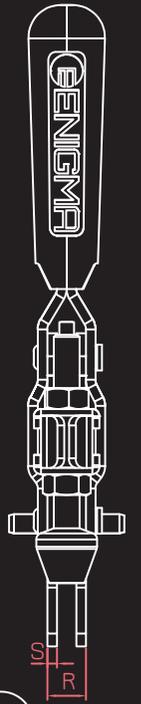
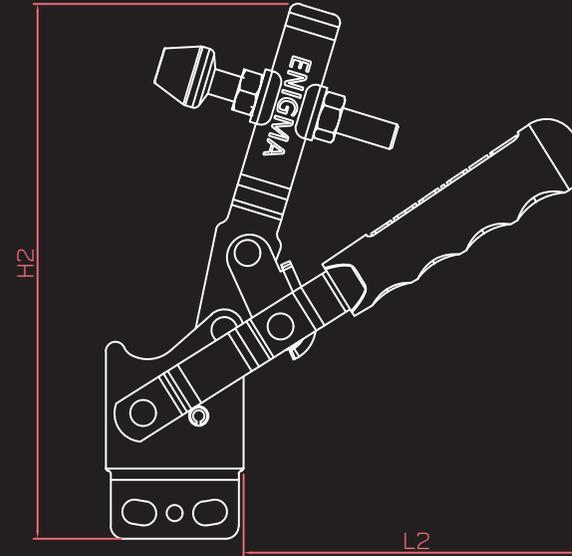
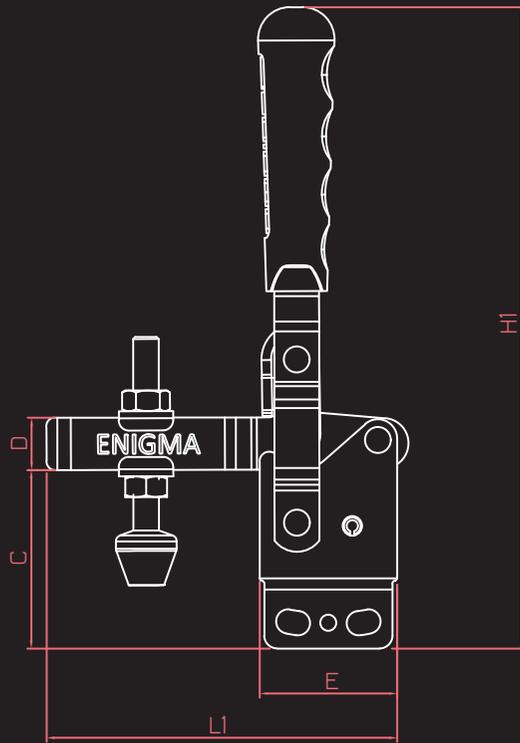
KUVVET ANALİZİ FORCE ANALYSIS

MODEL	X	X1	X2	Y	FT1 (N)	FT2 (N)	FB1 (N)	FB2 (N)	FB1 : FU	FB2 : FU
1101 D	31	38	56	102	745	460	575	375	10:1	5:1
1102 D	39	44	71	134	1050	730	800	550	12:1	8:1
1103 D	46	55	100	183	2500	1575	2100	1450	12:1	8:1
1104 D	55	67	143	218	3300	2200	2900	1900	12:1	8:1
1105 D	70	97	175	234	4500	2600	4300	2200	12:1	8:1
1106 D	71,5	83,5	106	240	5050	3050	4600	2550	12:1	8:1

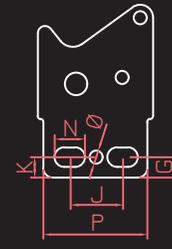
FT1-FT2: TUTMA KAPASİTESİ (HOLDING CAPACITY), FB1-FB2: BASKI KUVVETİ (CLAMPING FORCE),
FU: UYGULAMA KUVVETİ (APPLIED FORCE)



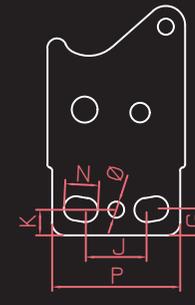
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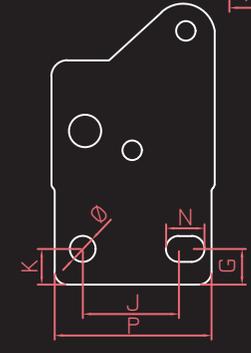
Model: 1101 D



Model: 1102 D



Model: 1103 D
1105 D
1106 D



Model: 1104 D

E ÖLÇÜLENDİRME
DIMENSIONS

MODEL	B	C	D	E	G	H1	H2	I	J	N	K	L1	L2	P	R	S	Ø
1101 D	31,4	36	10	29	5-6,5	133,5	109	10,5	16	5x6,5	5,9	72,5	73,5	26	10	2,5	5
1102 D	46,5	42	13	36	6,3	143	140	12	13-20	6x9,5	6,3	95,5	74,5	32,5	10	2,5	4
1103 D	48	55,5	16,2	43	7,8-8,3	199	167	16	19-25	7,5x10,6	7,9	110	106,5	40	12	3	5
1104 D	75	68,5	20	51	11	234	217	20	30-34	8x12	11	152	134	49	14	3	8
1105 D	79	73,8	20	57,5	9,5-14,1	243	230	18	28-34,5	10x15	11,6	157,1	138,5	52,5	16	4	5,2
1106 D	99	87	25	71,5	12,3-16	276	283	22	24,6-45	9x20	12,3	195,5	153,5	65	20	5	7



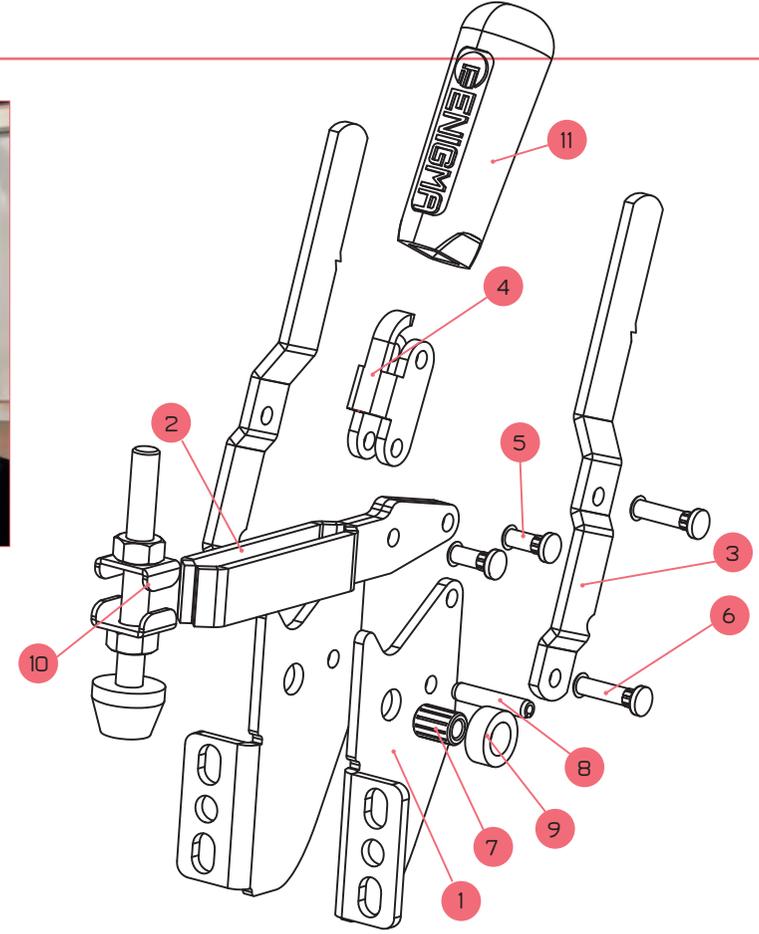
DIKEY BAĞLANTI ELEMENLARI

Vertical Toggle Clamps

A SERİ / A SERIES

Montaj Tipi: Alın Tabanlı

Body Mounting Base: Side Ward



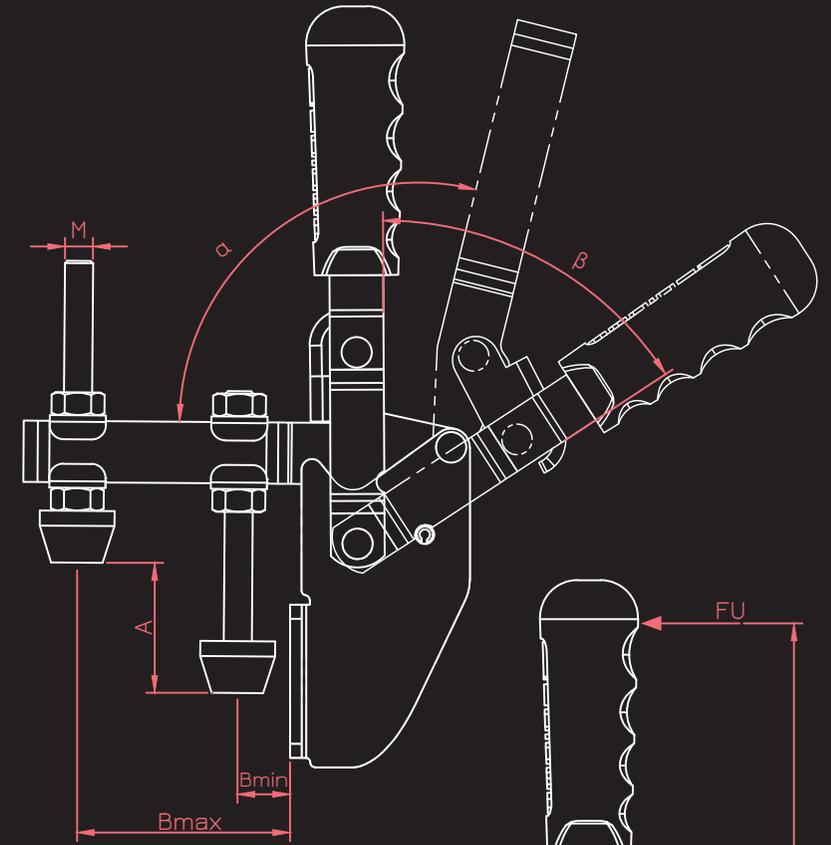
E PATLATILMIŞ
EXPLODE

ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY	ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	A Gövde	2	7	Burç	1
2	Baskı Kolu	2	8	Yarıklı Pim	1
3	Hareket Kolu	2	9	Destek Yüzüğü	1
4	Mafsal	1	10	Baskı Grubu	1
5	Perçin	2	11	Tutamak	1
6	Perçin	2			

Görsellerde verilen ürün, model kodu farklılıklarına göre değişiklik gösterilebilir. / The product shown in the images may differ from some others depending on the model code differences.

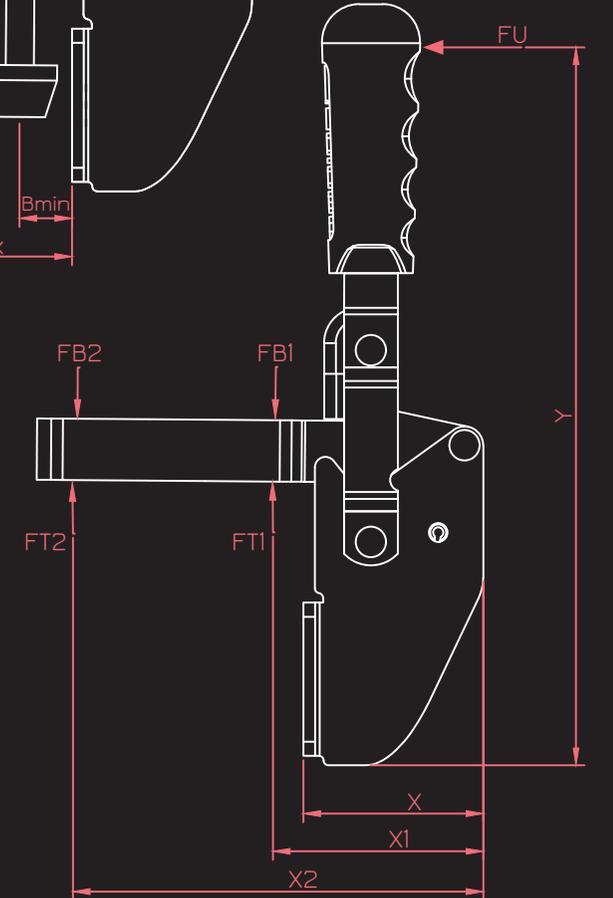
E AÇI ve HAREKET ANALİZİ
ANGLE and MOTION ANALYSIS

MODEL	α ($\pm 2^\circ$)	β ($\pm 2^\circ$)	A	Bmin	Bmax	M	AĞIRLIK KG (weight)
1101 A	95	58	14	12	34,5	M5x34	0.16
1102 A	102	56	27,5	13,5	48,5	M6x53	0.25
1103 A	107	58	26	18	50	M8x60	0.5
1104 A	130	68	34	27	80	M10x76	0.8
1105 A	135	70	34	24,5	80,5	M10x76	0.95
1106 A	134	64	35,5	30	102	M12x86	1.71



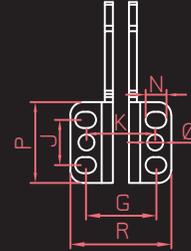
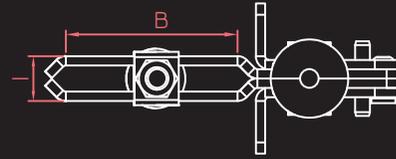
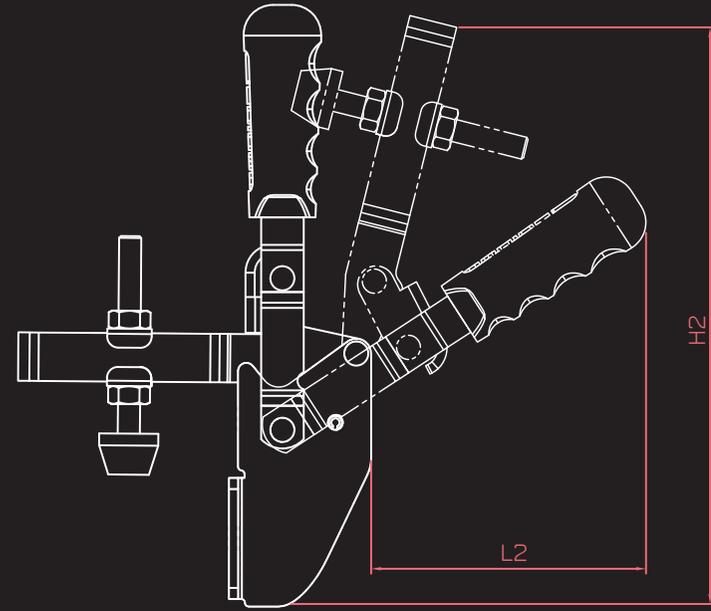
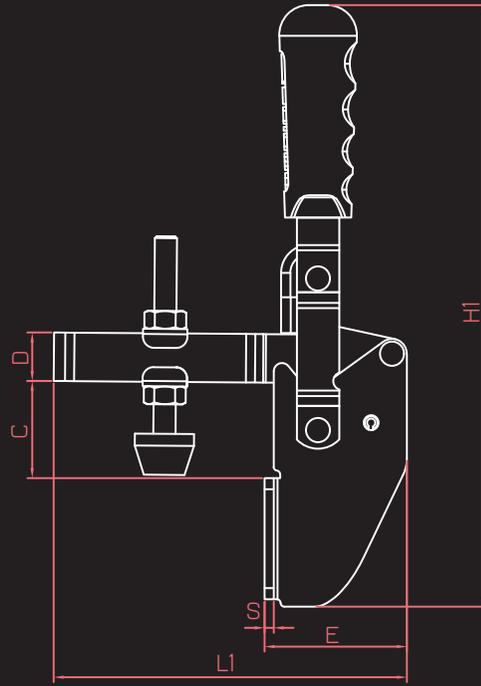
E KUVVET ANALİZİ
FORCE ANALYSIS

MODEL	X	X1	X2	Y	FT1 (N)	FT2 (N)	FBI (N)	FB2 (N)	FBI : FU	FB2 : FU
1101 A	30,4	38	56	118	745	460	575	375	10:1	5:1
1102 A	38,5	44	71	155	1050	730	800	550	12:1	8.1
1103 A	43	55	100	208	2500	1575	2100	1450	12:1	8.1
1104 A	51	67	143	250	3300	2200	2900	1900	12:1	8.1
1105 A	62,4	97	175	265	4500	2600	4300	2200	12:1	8.1
1106 A	80	83,5	106	300	5050	3050	4600	2550	12:1	8.2

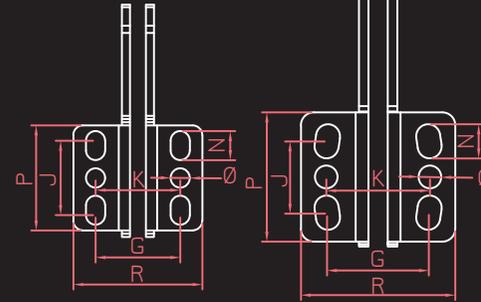


FT1-FT2: TUTMA KAPASİTESİ (HOLDING CAPACITY), FBI-FB2: BASKI KUVVETİ (CLAMPING FORCE),
FU: UYGULAMA KUVVETİ (APPLIED FORCE)

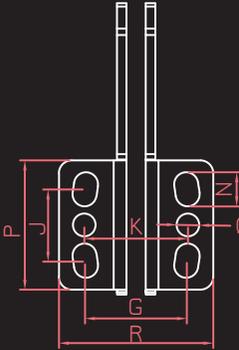
Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice



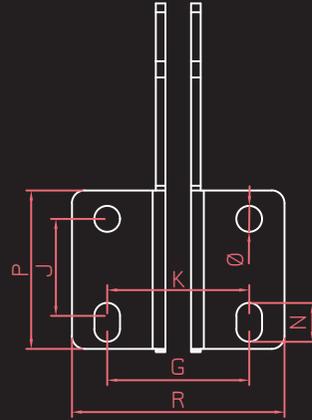
Model: 1101 A



Model: 1102 A



Model: 1103 A
1105 A
1106 A



Model: 1104 A



ÖLÇÜLENDİRME
DIMENSIONS

MODEL	B	C	D	E	G	H1	H2	I	J	N	K	L1	L2	9	R	S	Ø
1101 A	31,14	21,5	10	30,4	20,5-23,5	144	120	10,5	14	5X6,5	21,5	72,5	73,5	25	31,5	2,5	5
1102 A	46,5	27,8	13	38,5	26,4	161	159	12	17-23	6X9	26,4	95,5	78	32,5	40,3	2,5	6
1103 A	48	36,2	16,2	43	31,2-32,2	218,3	185	16	19-25	7,5X10,6	32,3	109,6	106,8	40	48,15	3	7
1104 A	75	39,1	20	51	44,3	255	241	20	30-34	8X12	44,3	152	134	49	66,3	3	8
1105 A	79	48	20	62,4	37,8-48,5	270	257	18	27-29,6	9,7X15,2	46	157,5	139	52	68,2	4	8,7
1106 A	99	56,5	25	80	44,3-51,7	310	316	22	24,6-45	9X19,5	51,7	195,5	153,5	65	74,3	5	7

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir / Dimensions and technical information are subject to change without notice

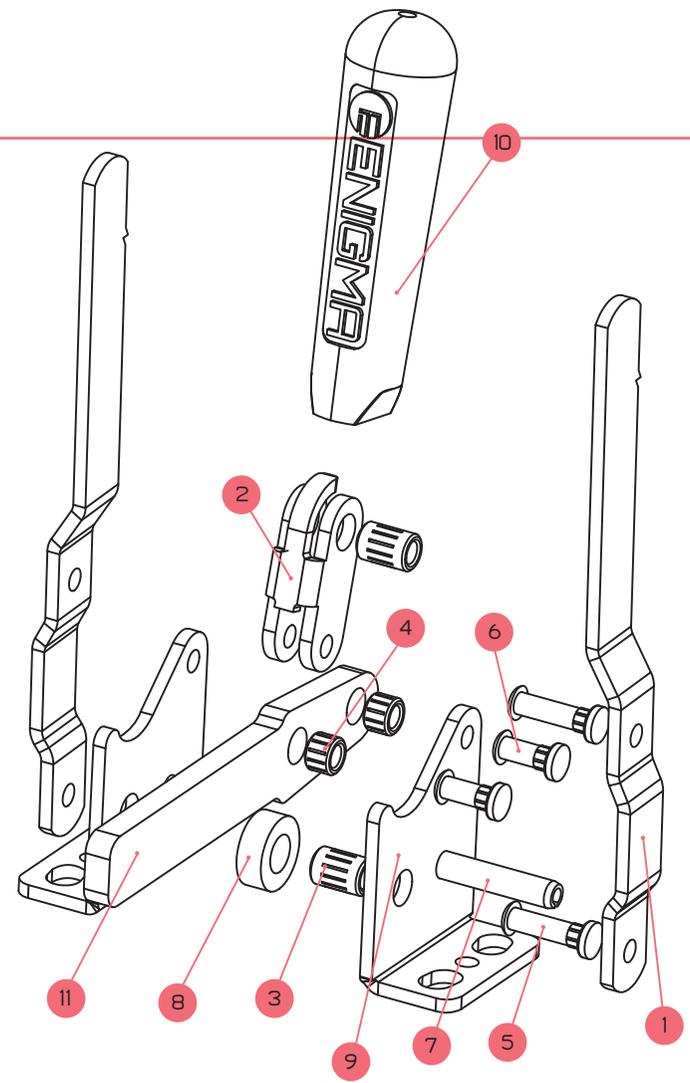


LAMALI DİKEY BAĞLANTI ELEMENLARI

Vertical Toggle Clamps
With Solid Arm

Y-L SERİ / Y-L SERIES

Montaj Tipi: Yatay Tabanlı
Body Mounting Base: Horizontal



E PATLATILMIŞ
EXPLODE

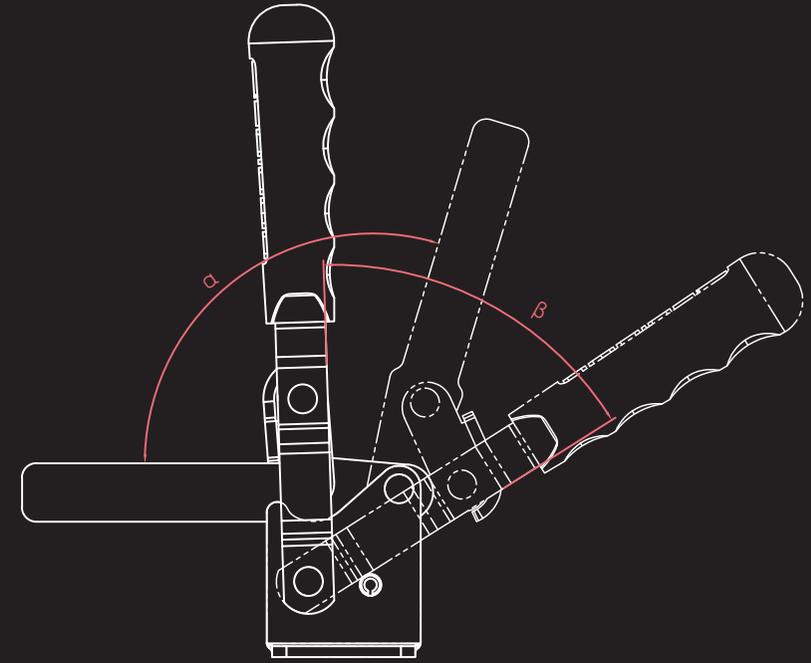
ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY	ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	Hareket Kolu	2	7	Yarıklı Pim	1
2	Mafsal	1	8	Destek Yüzüğü	1
3	Burç	2	9	Y Gövde	2
4	Burç	2	10	Tutamak	1
5	Perçin	2	11	Lama Baskı Kolu	1
6	Perçin	2			

Görsellerde verilen ürün, model kodu farklılıklarına göre değişiklik gösterebilir. / The product shown in the images may differ from some others depending on the model code differences.



AÇI ve HAREKET ANALİZİ ANGLE and MOTION ANALYSIS

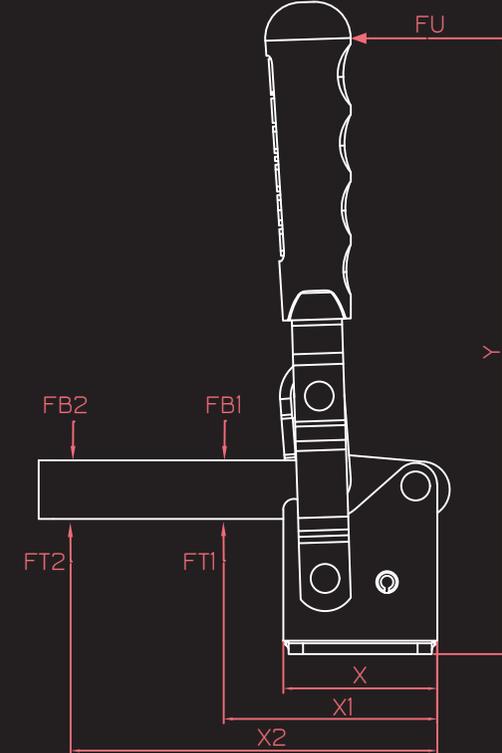
MODEL	$\alpha (\pm 2^\circ)$	$\beta (\pm 2^\circ)$	A	M	AĞIRLIK KG (weight)
1101 Y-L	95	58	14	M5x34	0.16
1102 Y-L	102	56	27,5	M6x53	0.25
1103 Y-L	107	58	26	M8x60	0.5
1104 Y-L	130	68	34	M10x76	0.8
1105 Y-L	135	70	34	M10x76	0.95
1106 Y-L	134	64	35,5	M12x86	1.71



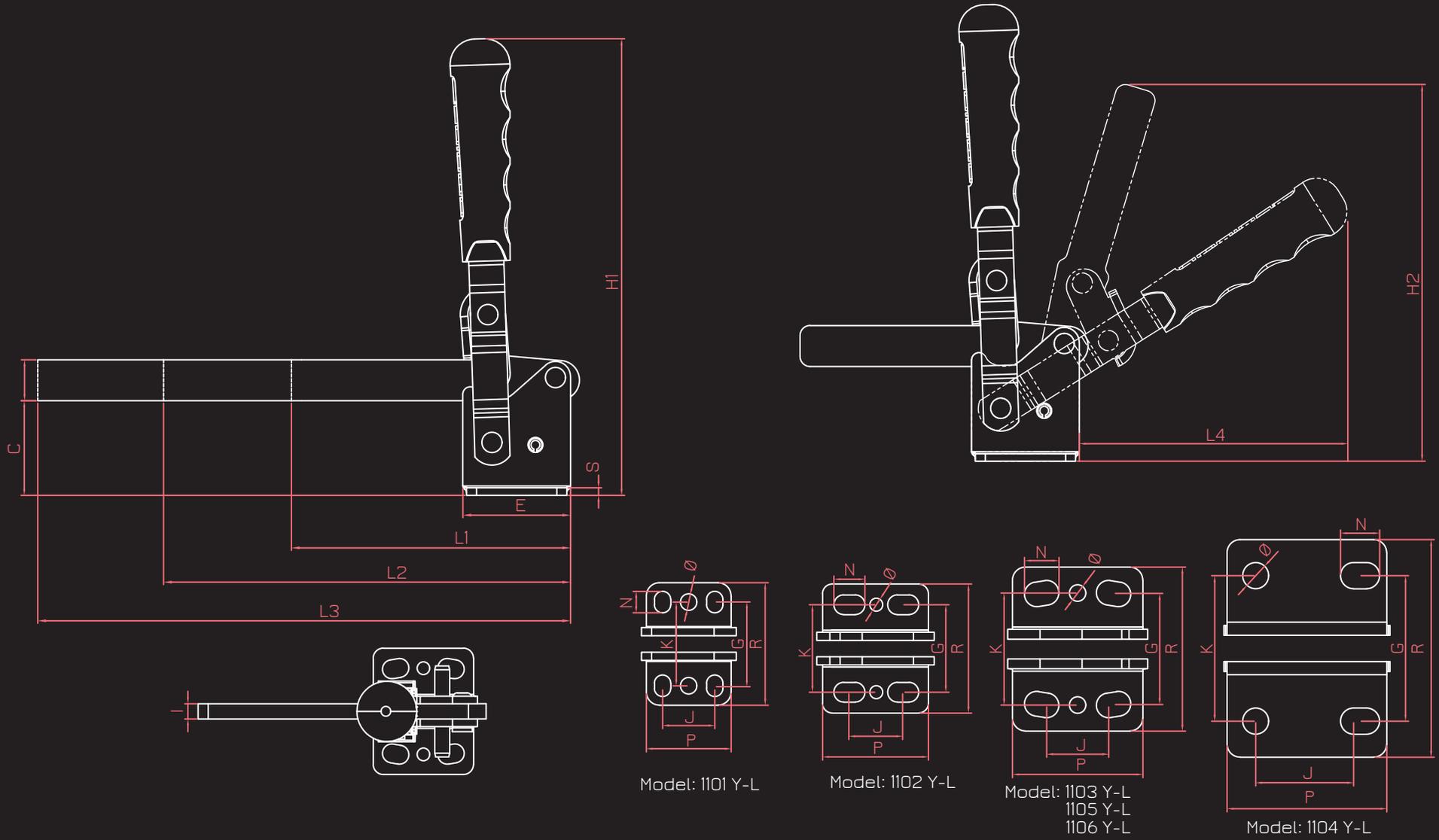
KUVVET ANALİZİ FORCE ANALYSIS

MODEL NO	X	X1	X2	Y	FT1 (N)	FT2 (N)	FB1 (N)	FB2 (N)	FB1 : FU	FB2 : FU
1101 Y-L	29	38	56	92	745	460	575	375	10:1	5:1
1102 Y-L	36	44	71	121	1050	730	800	550	12:1	8:1
1103 Y-L	43	55	100	169	2500	1575	2100	1450	12:1	8:1
1104 Y-L	51	67	143	195	3300	2200	2900	1900	12:1	8:1
1105 Y-L	57,5	97	175	216	4500	2600	4300	2200	12:1	8:1
1106 Y-L	71,5	83,5	106	240	5050	3050	4600	2550	12:1	8:1

FT1-FT2: TUTMA KAPASİTESİ (HOLDING CAPACITY), FB1-FB2: BASKI KUVVETİ (CLAMPING FORCE),
FU: UYGULAMA KUVVETİ (APPLIED FORCE)



Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice



ÖLÇÜLENDİRME
DIMENSIONS

MODEL	C	D	E	G	H1	H2	I	J	N	K	L1	L2	L3	L4	P	R	S	Ø
1101 Y-L	23	10	29	24-27	120,5	96	10,5	16	5x6,5	25,5	73	123	173	73,5	26	37,5	2,5	5
1102 Y-L	28	13	36	26,6	129,5	126,5	12	13-20	6x9,5	26,6	98	148	198	74,5	32,5	39,5	2,5	4
1103 Y-L	37,3	16,2	43	33,3-34,3	181	147,6	16	19-25	7,5x10,6	34,1	110	160	210	106,5	40	50	3	5
1104 Y-L	44	20	51	44,3	210	195	20	30-34	8x12	44,3	152	202	252	134	49	66,3	3	8
1105 Y-L	49	20	57,5	40-49	218	203,5	18	28-34,5	10x15	45,2	158,5	208,5	258,5	138,5	52,5	68,4	4	5,2
1106 Y-L	51,5	25	71,5	45-52	250	253	22	24,6-45	9x20	52,3	202	252	302	153,5	65	77	5	7

* L kol boyu için özel üretime uygun sipariş verebilirsiniz. / *This item is available upon request

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir / Dimensions and technical information are subject to change without notice

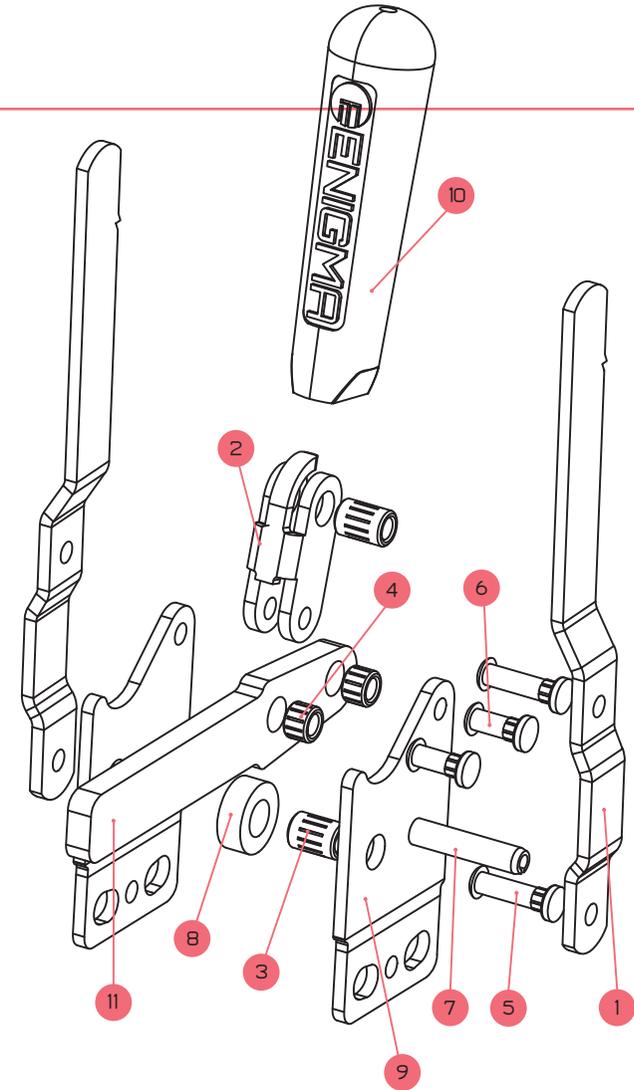
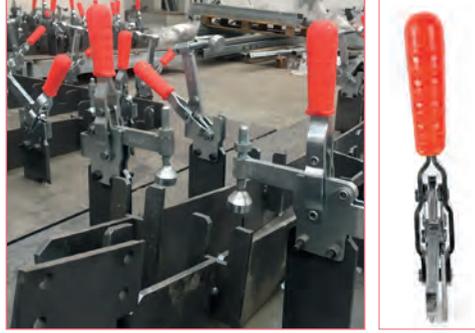


LAMALI DİKEY BAĞLANTI ELEMENLARI

Vertical Toggle Clamps
With Solid Arm

D-L SERİ / D-L SERIES

Montaj Tipi: Dikey Tabanlı
Body Mounting Base: Vertical



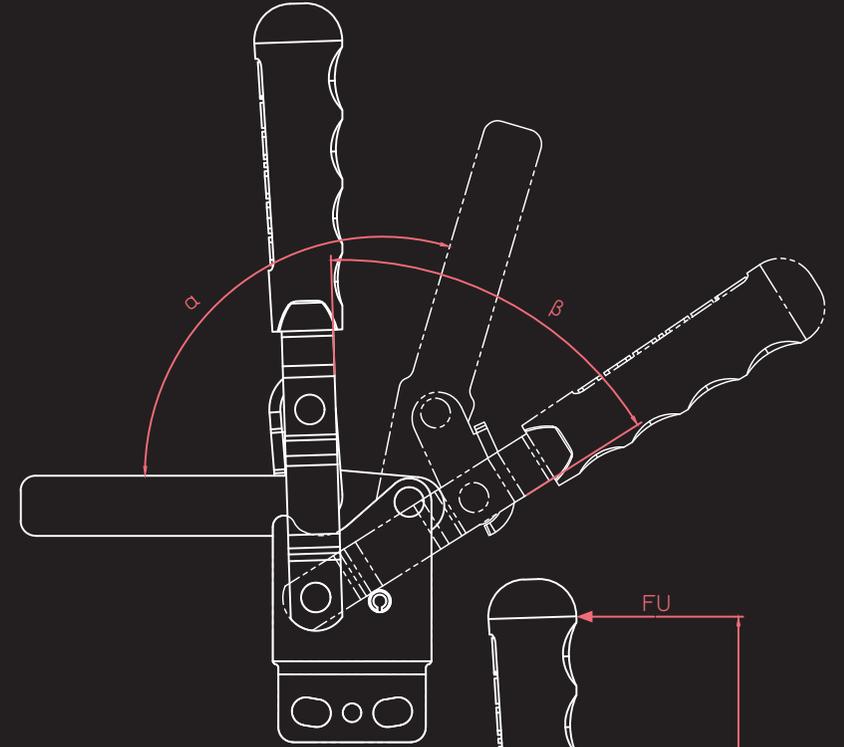
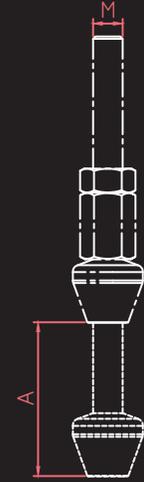
E PATLATILMIŞ
EXPLODE

ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY	ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	Hareket Kolu	2	7	Yarıklı Pim	1
2	Mafsal	1	8	Destek Yüzüğü	1
3	Burç	2	9	D Gövde	2
4	Burç	2	10	Tutamak	1
5	Perçin	2	11	Lama Baskı Kolu	1
6	Perçin	2			



AÇI ve HAREKET ANALİZİ ANGLE and MOTION ANALYSIS

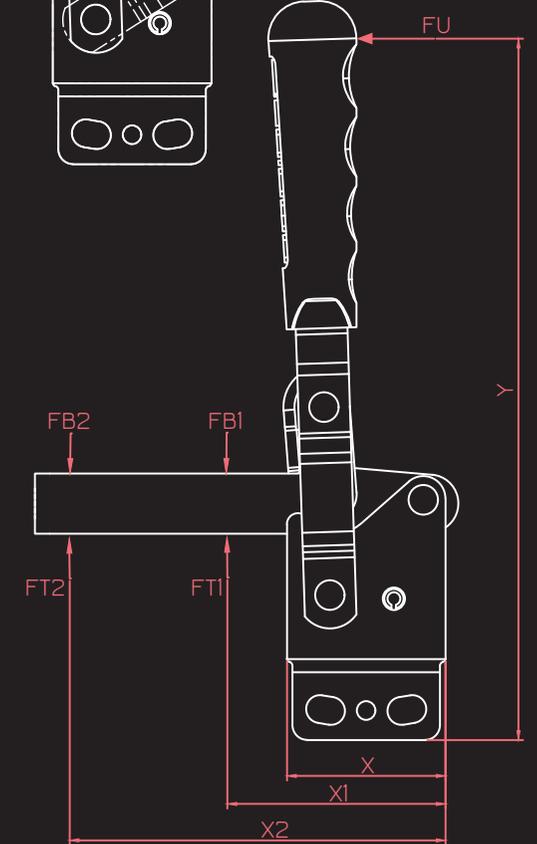
MODEL	$\alpha (\pm 2^\circ)$	$\beta (\pm 2^\circ)$	A	Bmin	Bmax	M	AĞIRLIK KG (weight)
1101 D-L	95	58	14	12	34,5	M5x34	0.16
1102 D-L	102	56	27,5	13,5	48,5	M6x53	0.25
1103 D-L	107	58	26	18	50	M8x60	0.5
1104 D-L	130	68	34	27	80	M10x76	0.8
1105 D-L	135	70	34	24,5	80,5	M10x76	0.95
1106 D-L	134	64	35,5	30	102	M12x86	1.71



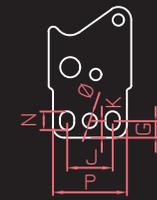
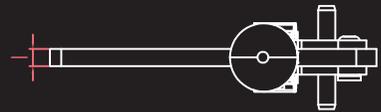
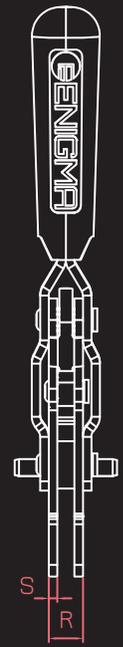
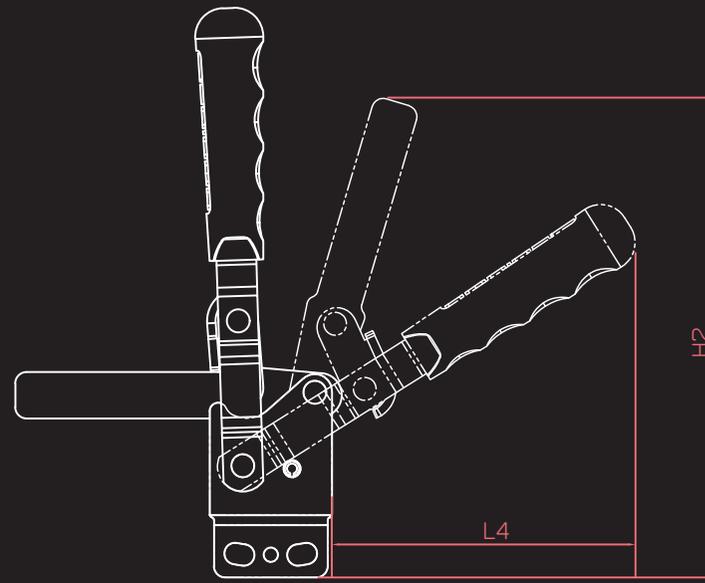
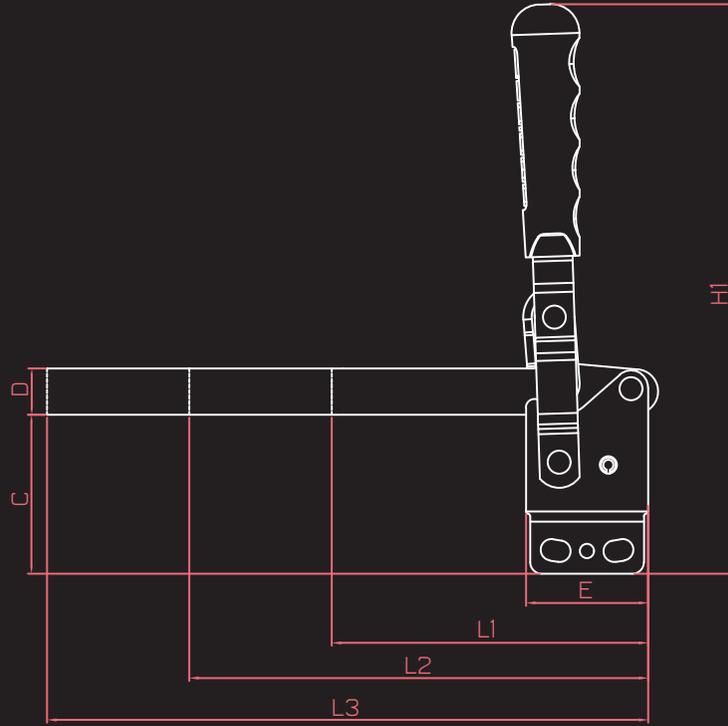
KUVVET ANALİZİ FORCE ANALYSIS

MODEL	X	X1	X2	Y	FT1 (N)	FT2 (N)	FB1 (N)	FB2 (N)	FB1 : FU	FB2 : FU
1101 D-L	29	38	56	102	745	460	575	375	10:1	5:1
1102 D-L	36	44	71	134	1050	730	800	550	12:1	8:1
1103 D-L	43	55	100	183	2500	1575	2100	1450	12:1	8:1
1104 D-L	51	67	143	218	3300	2200	2900	1900	12:1	8:1
1105 D-L	57,5	97	175	234	4500	2600	4300	2200	12:1	8:1
1106 D-L	71,5	83,5	106	240	5050	3050	4600	2550	12:1	8:1

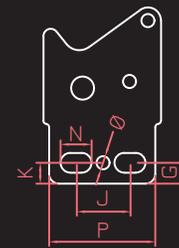
FT1-FT2: TUTMA KAPASİTESİ (HOLDING CAPACITY), FB1-FB2: BASKI KUVVETİ (CLAMPING FORCE),
FU: UYGULAMA KUVVETİ (APPLIED FORCE)



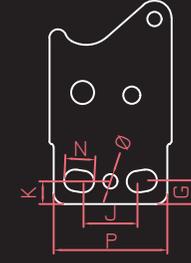
Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice



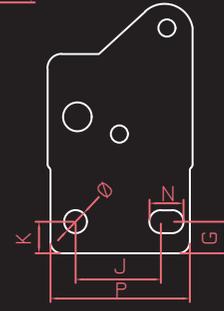
Model: 1101 D-L



Model: 1102 D-L



Model: 1103 D-L
1105 D-L
1106 D-L



Model: 1104 D-L

ÖLÇÜLENDİRME
DIMENSIONS

MODEL	C	D	E	G	H1	H2	I	J	N	K	L1	L2	L3	L4	P	R	S	Ø
1101 D-L	36	10	29	5-6,5	133,5	109	10,5	16	5x6,5	5,9	73	123	173	73,5	26	10	2,5	5
1102 D-L	42	13	36	6,3	143	140	12	13-20	6x9,5	6,3	98	148	198	74,5	32,5	10	2,5	4
1103 D-L	55,5	16,2	43	7,8-8,3	199	167	16	19-25	7,5x10,6	7,9	110	160	210	106,5	40	12	3	5
1104 D-L	68,5	20	51	11	234	217	20	30-34	8x12	11	152	202	252	134	49	14	3	8
1105 D-L	73,8	20	57,5	9,5-14,1	243	230	18	28-34,5	10x15	11,6	158,5	208,5	258,5	138,5	52,5	16	4	5,2
1106 D-L	87	25	71,5	12,3-16	276	283	22	24,6-45	9x20	12,3	202	252	302	153,5	65	20	5	7

* L kol boyu için özel üretime uygun sipariş verebilirsiniz. / *This item is available upon request

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir / Dimensions and technical information are subject to change without notice

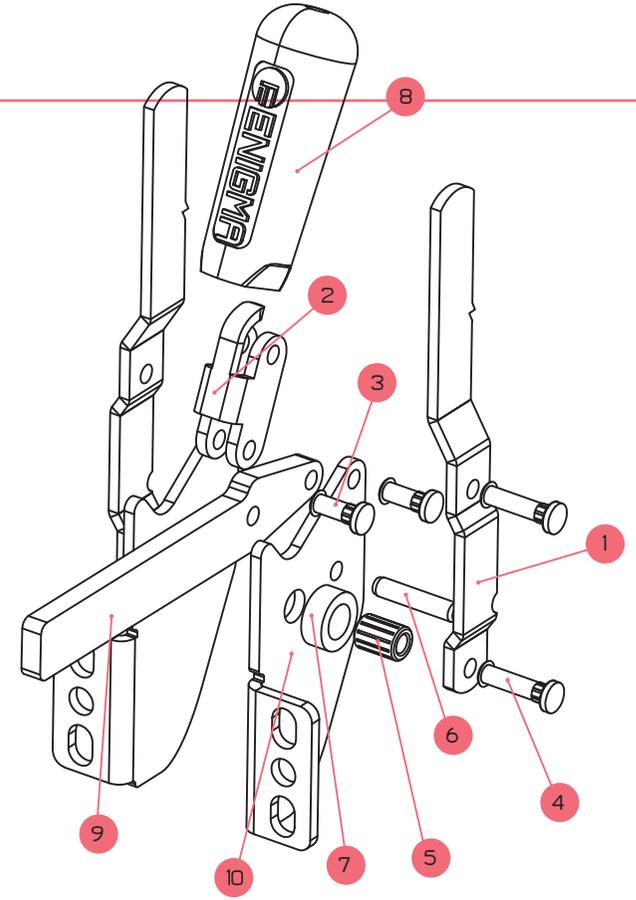


LAMALI DIKEY BAĞLANTI ELEMENLARI

Vertical Toggle Clamps
With Solid Arm

A-L SERİ / A-L SERIES

Montaj Tipi: Alın Tabanlı
Body Mounting Base: Side Ward



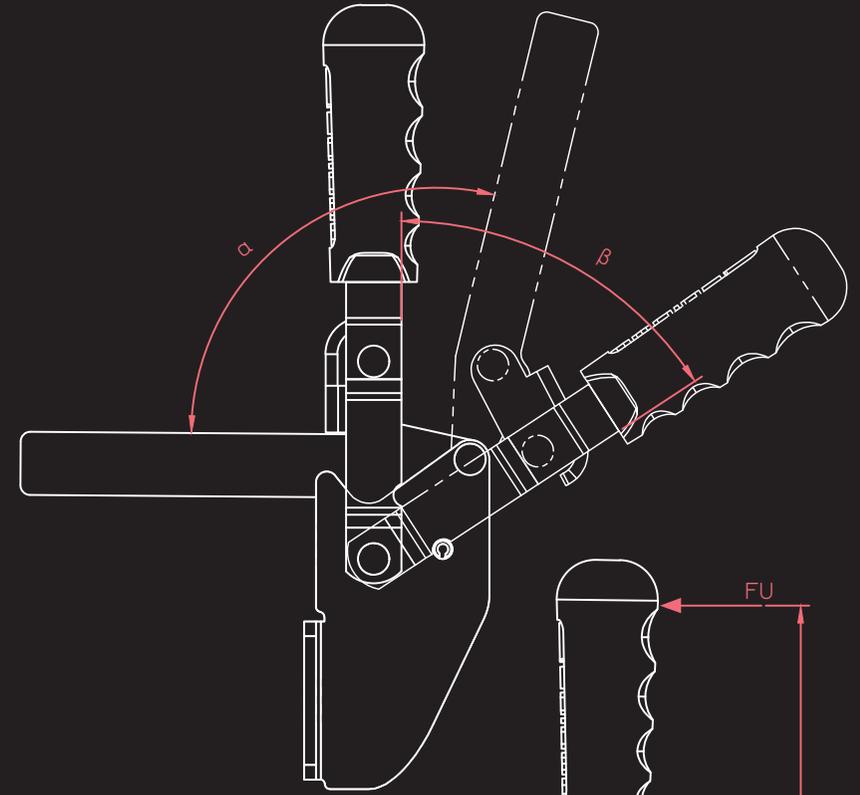
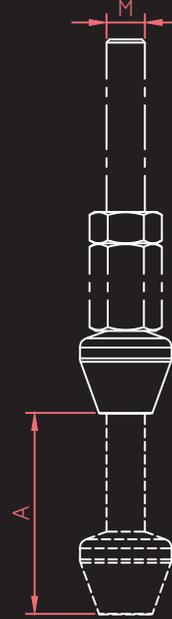
E PATLATILMIŞ
EXPLODE

ÖGE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	Hareket Koku	2
2	Mafsal	1
3	Perçin	2
4	Perçin	2
5	Burç	1
6	Yankılı Pim	1
7	Destek Yüzüğü	1
8	Tutamak	1
9	Lama Baskı Kolu	1
10	A Gövde	2

Görsellerde verilen ürün, model kodu farklılıklarına göre değişiklik gösterilebilir. / The product shown in the images may differ from some others depending on the model code differences.

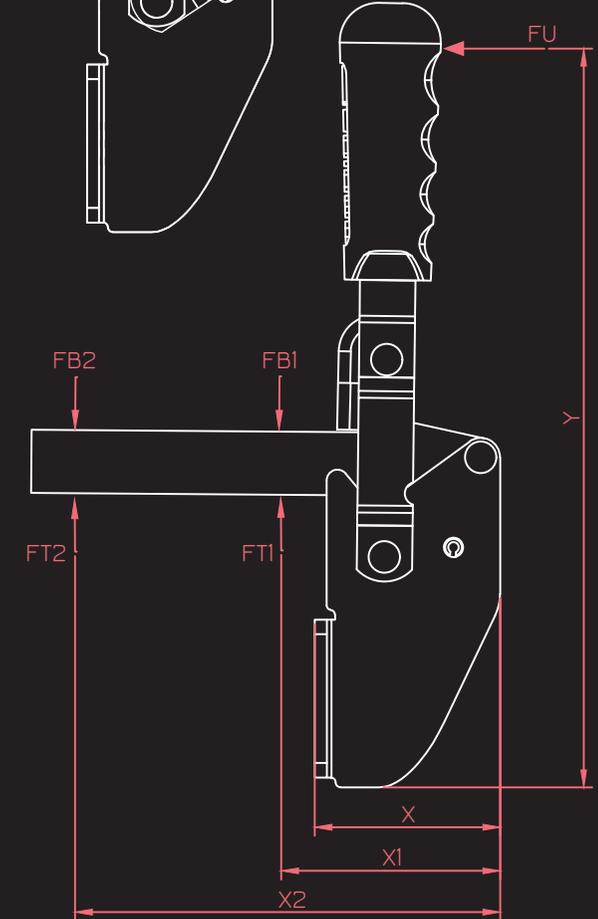
E AÇI ve HAREKET ANALİZİ
ANGLE and MOTION ANALYSIS

MODEL	α ($\pm 2^\circ$)	β ($\pm 2^\circ$)	A	M	AĞIRLIK KG (weight)
1101 A-L	95	58	17,7	M5x34	0,26
1102 A-L	102	56	32,65	M6x53	0,33
1103 A-L	107	58	41,3	M8x60	0,48
1104 A-L	130	68	45,25	M10x76	0,78
1105 A-L	135	70	34	M10x76	0,95
1106 A-L	134	64	35,5	M12x86	1,71



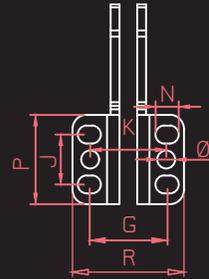
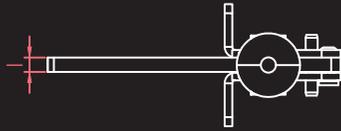
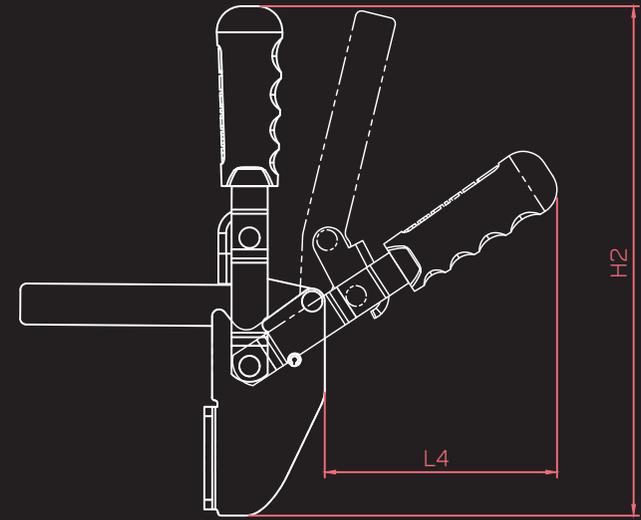
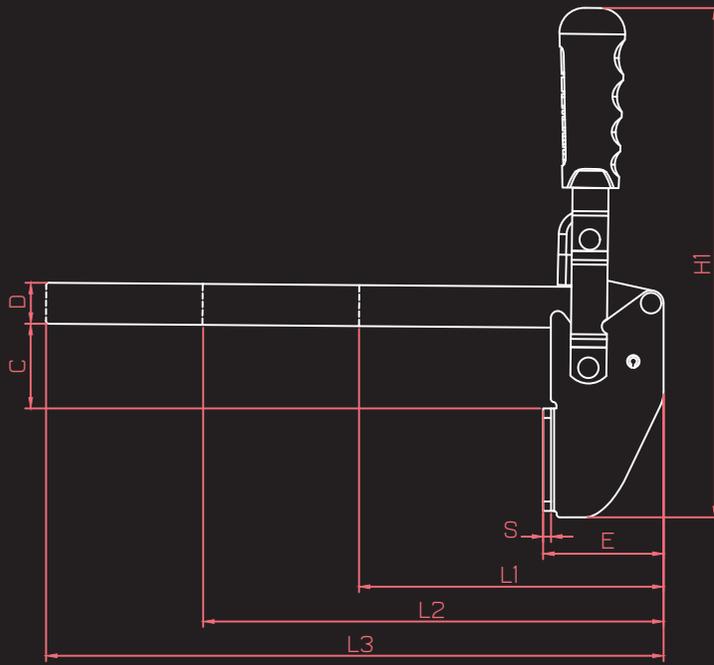
E KUVVET ANALİZİ
FORCE ANALYSIS

MODEL	X	X1	X2	Y	FT1 (N)	FT2 (N)	FBI (N)	FB2 (N)	FBI : FU	FB2 : FU
1101 A-L	30,4	38	56	118	745	460	575	375	10:1	5:1
1102 A-L	38,5	44	71	155	1050	730	800	550	12:1	8:1
1103 A-L	43	55	100	208	2500	1575	2100	1450	12:1	8:1
1104 A-L	51	67	143	250	3300	2200	2900	1900	12:1	8:1
1105 A-L	62,4	97	175	265	4500	2600	4300	2200	12:1	8:1
1106 A-L	80	83,5	106	300	5050	3050	4600	2550	12:1	8:1

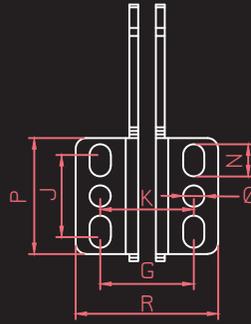


FT1-FT2: TUTMA KAPASİTESİ (HOLDING CAPACITY), FBI-FB2: BASKI KUVVETİ (CLAMPING FORCE),
FU: UYGULAMA KUVVETİ (APPLIED FORCE)

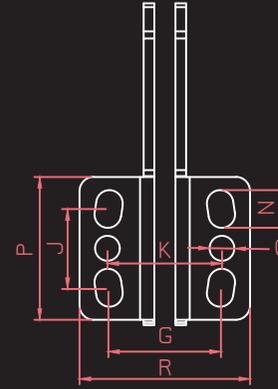
Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice



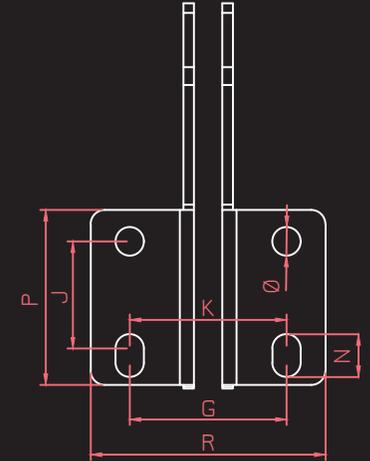
Model: 1101 A-L



Model: 1102 A-L



Model: 1103 A-L
1105 A-L
1106 A-L



Model: 1104 A-L

ÖLÇÜLENDİRME
DIMENSIONS

MODEL	B	C	D	E	G	H1	H2	I	J	N	K	L1	L2	L3	L4	P	R	S	Ø
1101 A-L	31,14	21,5	10	30,4	20,5-23,5	144	120	10,5	14	5x6,5	21,5	74,5	124,5	174,5	73,5	25	31,5	2,5	5
1102 A-L	46,5	27,8	13	38,5	26,4	161	159	12	17-23	6x9	26,4	100,5	150,5	200,5	78	32,5	40,3	2,5	6
1103 A-L	48	36,2	16,2	43	31,2-32,2	218,3	185	16	19-25	7,5x10,6	32,3	110	160	210	106,8	40	48,15	3	7
1104 A-L	75	39,1	20	51	44,3	255	241	20	30-34	8x12	44,3	152	202	252	134	49	66,3	3	8
1105 A-L	79	48	20	62,4	37,8-48,5	270	257	18	27-29,6	9,7x15,2	46	154	204	254	139	52	68,2	4	8,7
1106 A-L	99	56,5	25	80	44,3-51,7	310	316	22	24,6-45	9x19,5	51,7	197	247	297	153,5	65	74,3	5	7

* L kol boyu için özel üretime uygun sipariş verebilirsiniz. / *This item is available upon request

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir / Dimensions and technical information are subject to change without notice



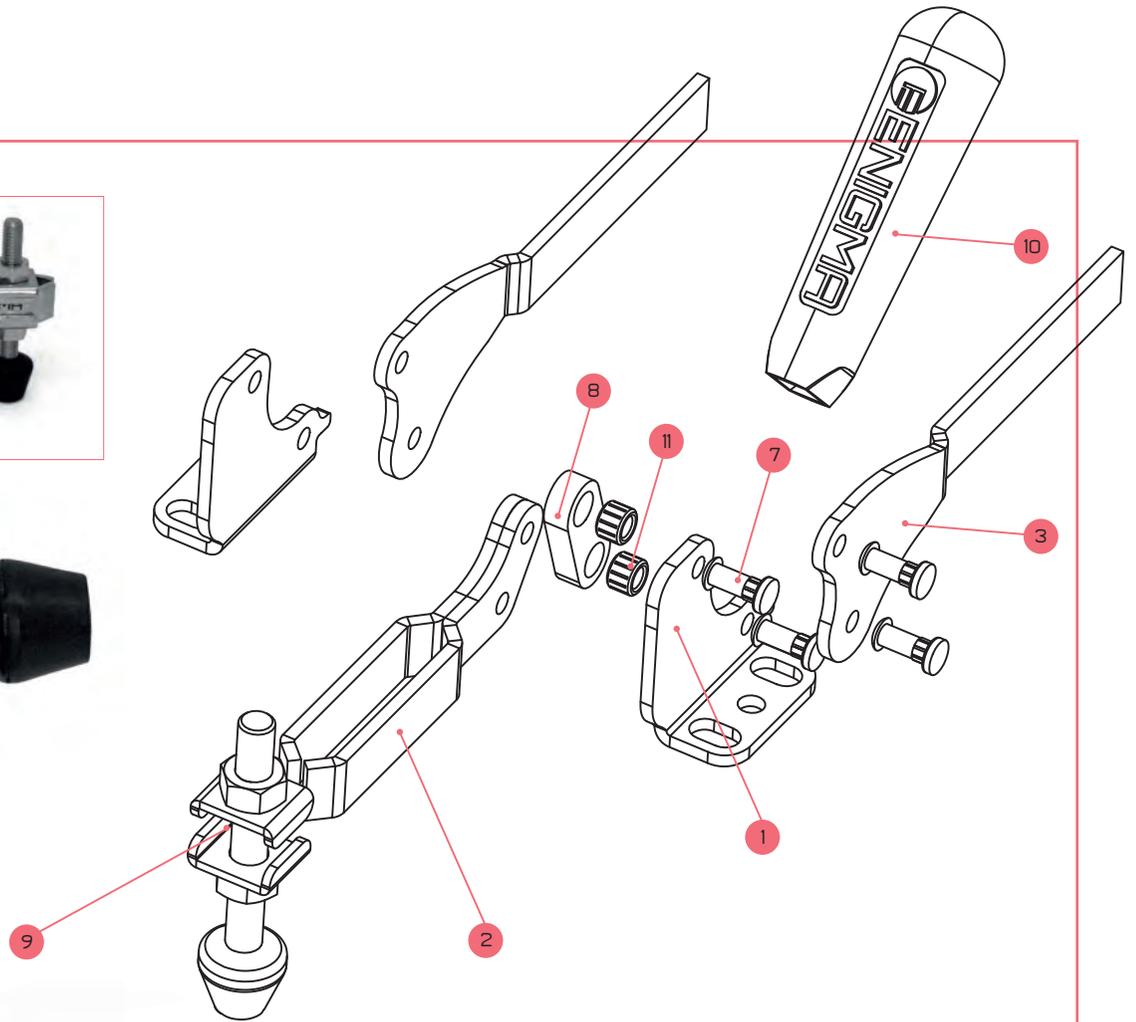
YATAY BAĞLANTI ELEMENLARI

Horizontal Toggle Clamps

Y SERİ / Y SERIES

Montaj Tipi: Yatay Taban

Body Mounting Base: Horizontal



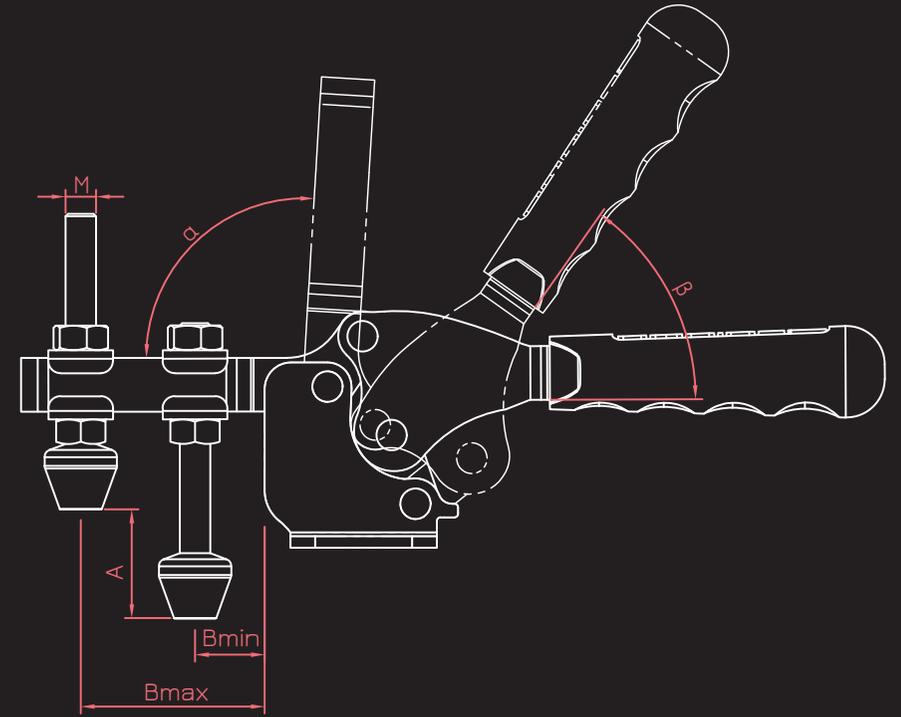
E PATLATILMIŞ
EXPLODE

ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	Y Gövde	2
2	Baskı Kolu	2
3	Hareket Kolu	2
4	Perçin	4
5	Mafsal	1
6	Baskı Grubu	1
7	Tutamak	1
8	Burç	2

Görsellerde verilen ürün, model kodu farklılıklarına göre değişiklik gösterilebilir. / The product shown in the images may differ from some others depending on the model code differences.

E AÇI ve HAREKET ANALİZİ
ANGLE and MOTION ANALYSIS

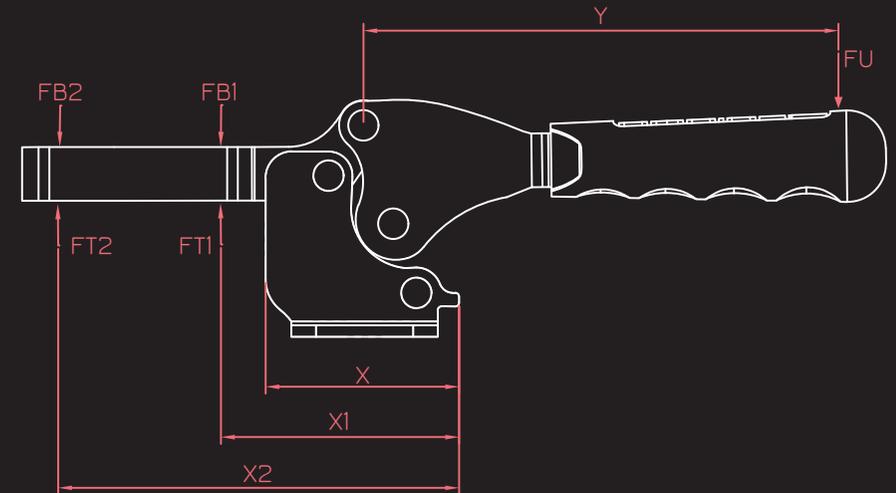
MODEL	α ($\pm 2^\circ$)	β ($\pm 2^\circ$)	A	Bmin	Bmax	M	AĞIRLIK KG (weight)
1261 Y	88	55	14	12	34,5	M5x34	0,12
1262 Y	90	55	27,5	13,5	48,5	M6x53	0,22
1263 Y	93	55	26	18	50	M8x60	0.5
1264 Y	88	55	34	27	80	M10x76	0.8
1265 Y	92	58	35,5	30	102	M12x86	0.95



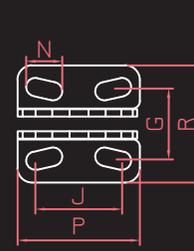
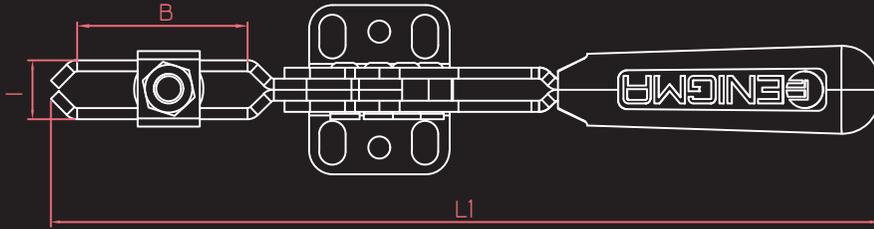
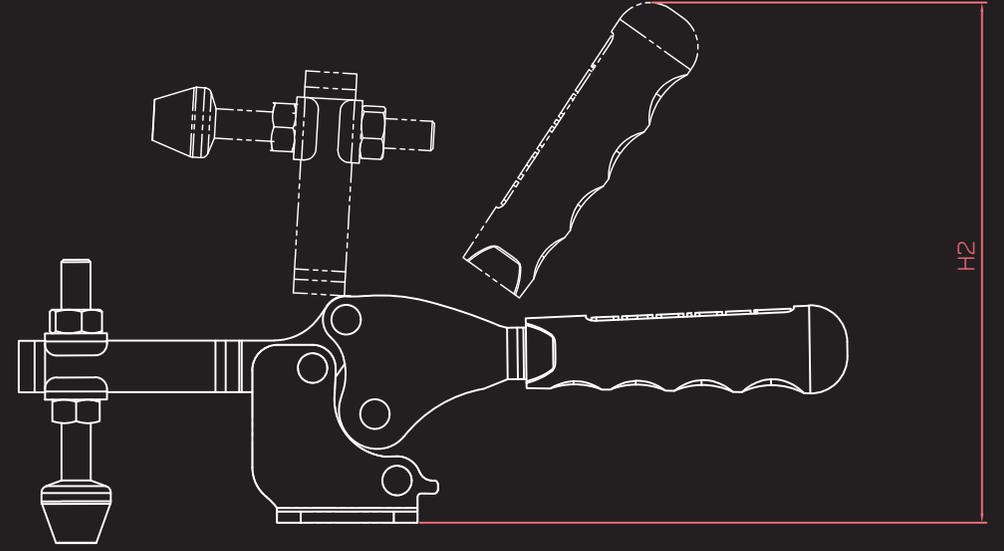
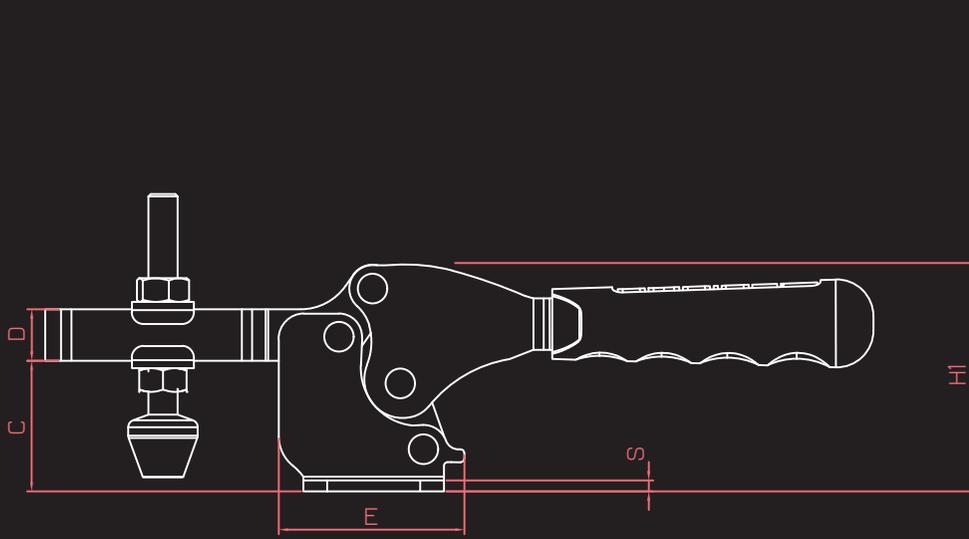
E KUVVET ANALİZİ
FORCE ANALYSIS

MODEL	X	X1	X2	Y	FT1 (N)	FT2 (N)	FB1 (N)	FB2 (N)	FB1 : FU	FB2 : FU
1261 Y	9,5	21,5	44	86	1050	825	875	675	7:1	3:1
1262 Y	13,5	27	62	104	1225	1050	1050	775	7:1	3:1
1263 Y	16,5	30,5	51	125	2550	1375	2350	1275	8:1	4:1
1264 Y	23,5	50,5	103,5	161	3675	2050	3550	1825	9:1	4:1
1265 Y	28,25	58,25	130,25	180	4500	2600	4300	2200	10:1	5:1

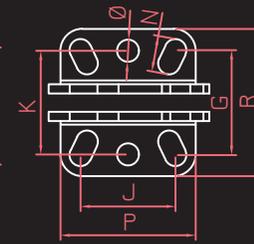
FT1-FT2: TUTMA KAPASİTESİ (HOLDING CAPACITY), FB1-FB2: BASKI KUVVETİ (CLAMPING FORCE),
FU: UYGULAMA KUVVETİ (APPLIED FORCE)



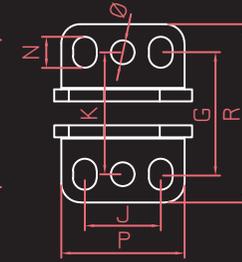
Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice



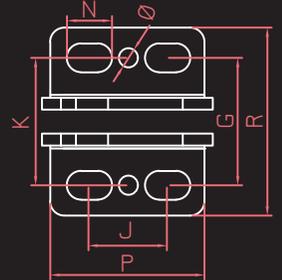
Model: 1261 Y



Model: 1262 Y



Model: 1263 Y
1264 Y



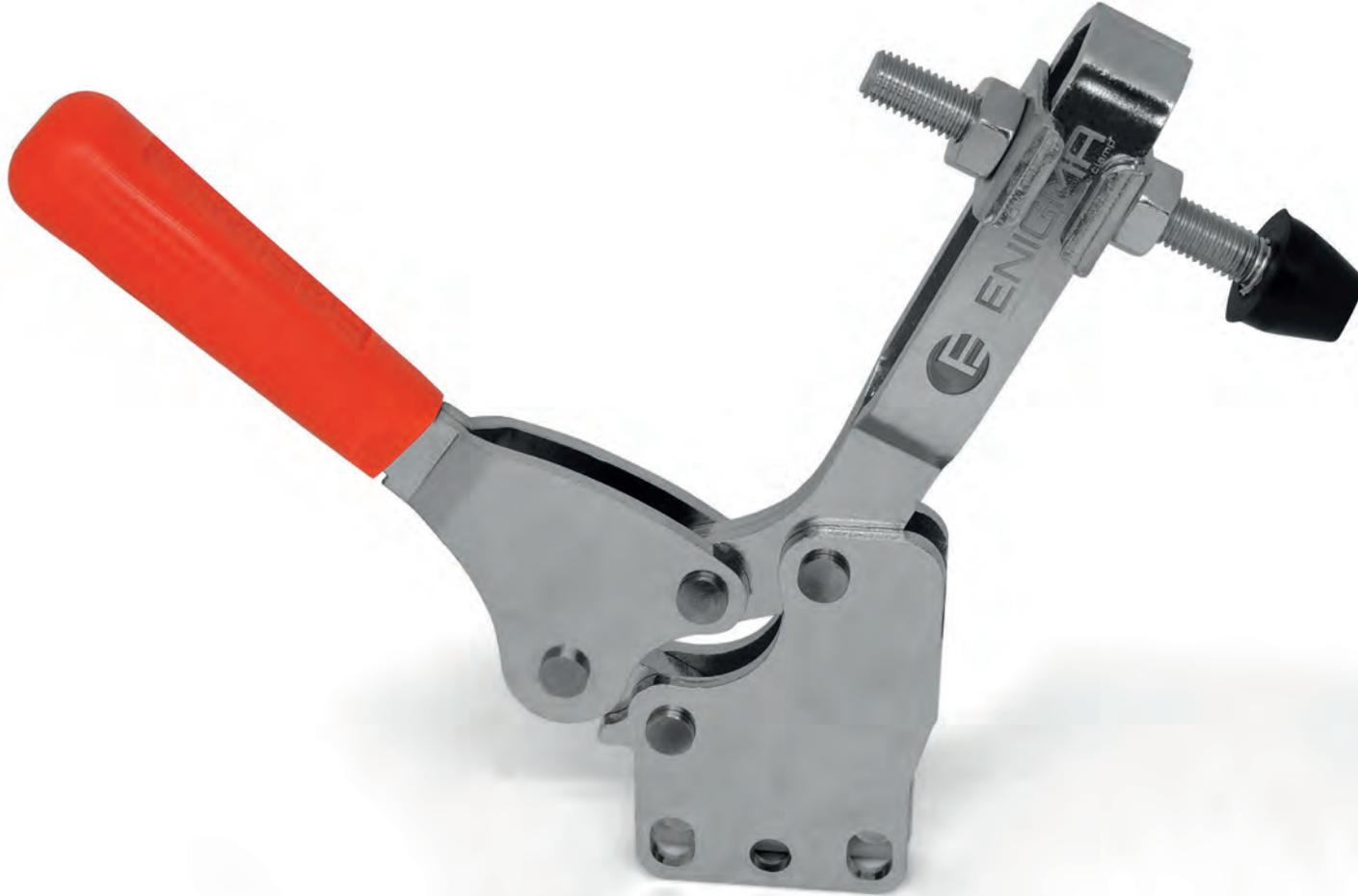
Model: 1265 Y



ÖLÇÜLENDİRME
DIMENSIONS

MODEL	B	C	D	E	G	H1	H2	I	J	K	N	L	P	R	S	Ø
1261 Y	30,5	21,5	11	33,5	17,8-20	39	92,5	9	14-24	-	5x10	146	33,5	31,8	2	-
1262 Y	50	27,9	14	45	21,25-28,5	50,5	110	12	22,5-26	28,1	6x10	188	37	40	2,5	6
1263 Y	47	35,5	14	51	24,2-33,5	61,5	141,5	16	25,4	31,5	7,2x11,9	227	38,5	46	3	6
1264 Y	75,6	49	19	69,5	36,2-43,2	86	184	19,5	41,4	43,1	9,2x12,7	300	57	59,8	4	8,5
1265 Y	93	55	25,2	92	42,2	103	216	24	42-53	42,1	10x15,5	345	75	66	5	10

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir / Dimensions and technical information are subject to change without notice

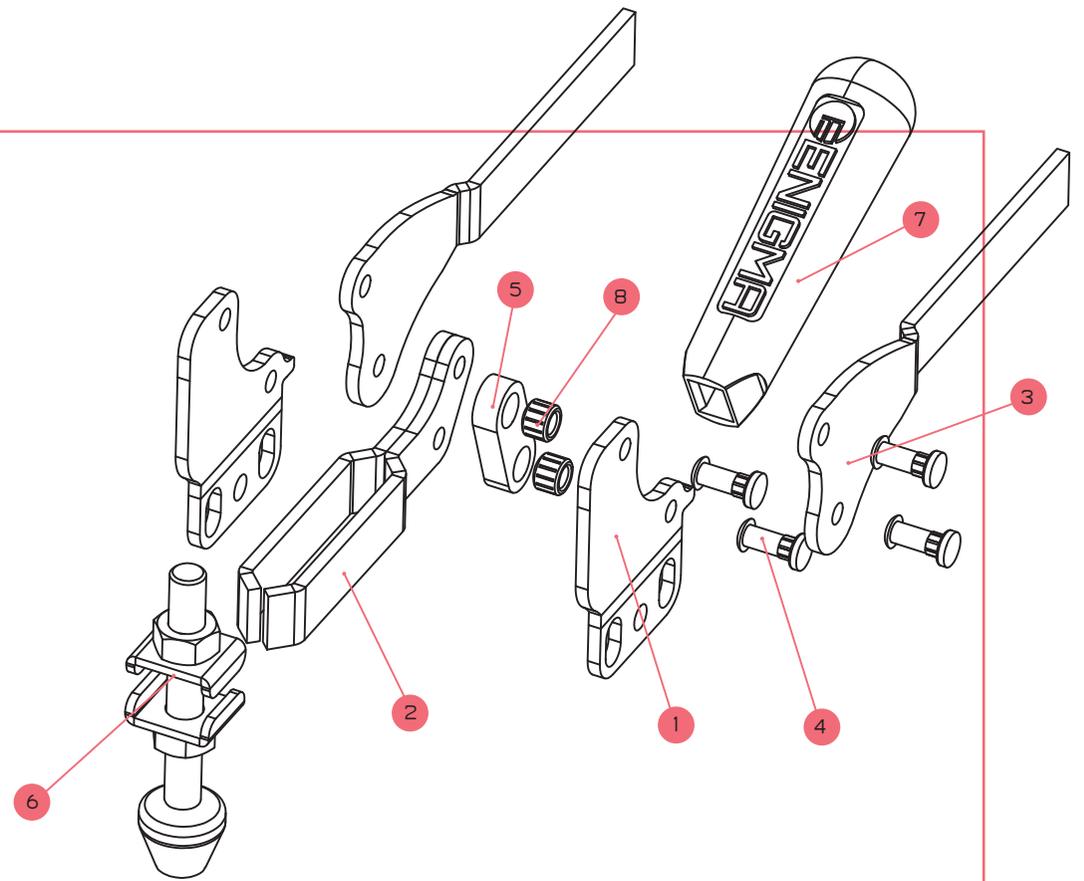


YATAY BAĞLANTI ELEMENLARI

Horizontal Toggle Clamps

D SERİ / D SERIES

Montaj Tipi: Dikey Taban
Body Mounting Base: Vertical



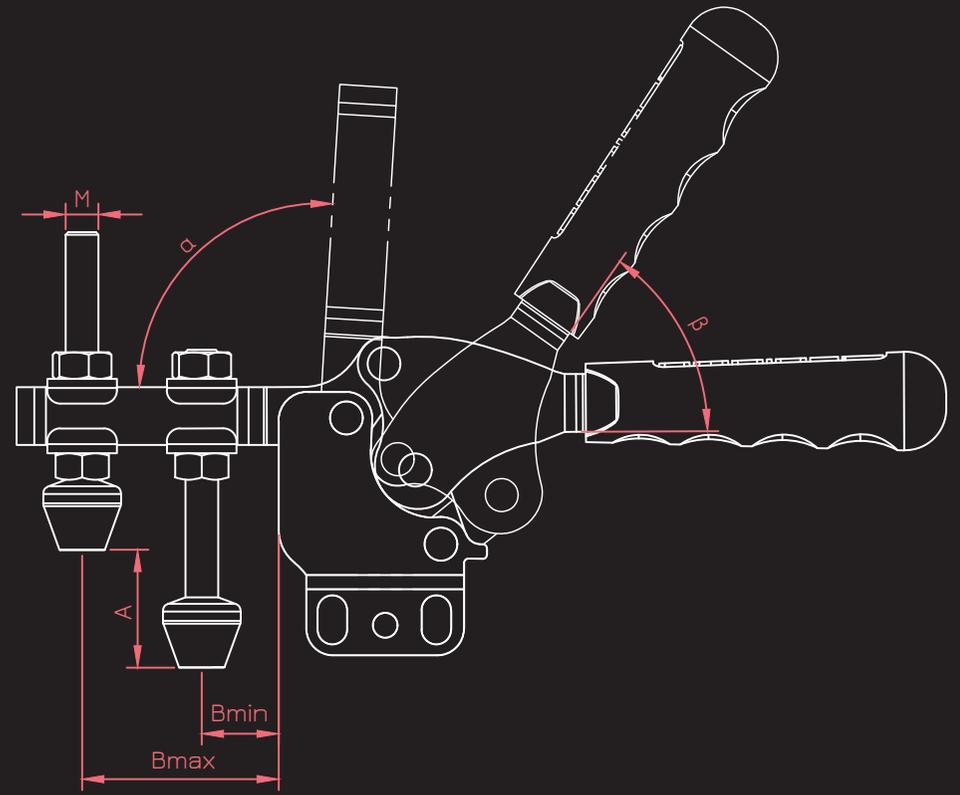
E PATLATILMIŞ
EXPLODE

ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	D Gövde	2
2	Baskı Kolu	2
3	Hareket Kolu	2
4	Perçin	4
5	Mafsalsal	1
6	Baskı Grubu	1
7	Tutamak	1
8	Burç	2

Görsellerde verilen ürün, model kodu farklılıklarına göre değişiklik gösterilebilir. / The product shown in the images may differ from some others depending on the model code differences.

E AÇI ve HAREKET ANALİZİ
ANGLE and MOTION ANALYSIS

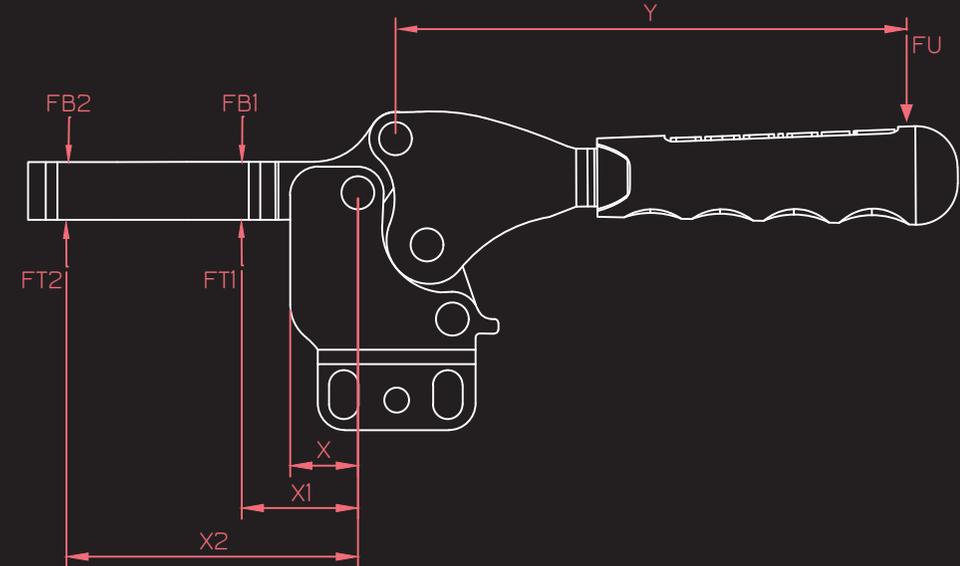
MODEL	α ($\pm 2^\circ$)	β ($\pm 2^\circ$)	A	Bmin	Bmax	M	AĞIRLIK KG (weight)
1261 D	88	55	14	12	34,5	M5x34	0,12
1262 D	90	55	27,5	13,5	48,5	M6x53	0,22
1263 D	93	55	26	18	50	M8x60	0,5
1264 D	88	55	34	27	80	M10x76	0,8
1265 D	92	58	35,5	30	102	M12x86	0,95



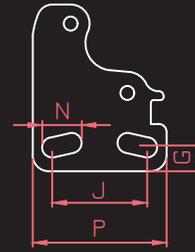
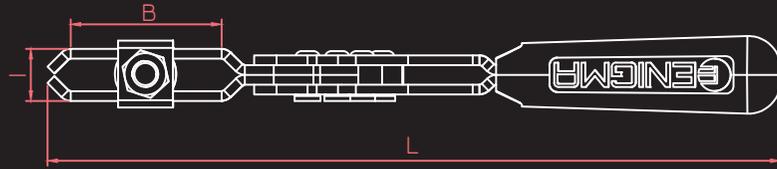
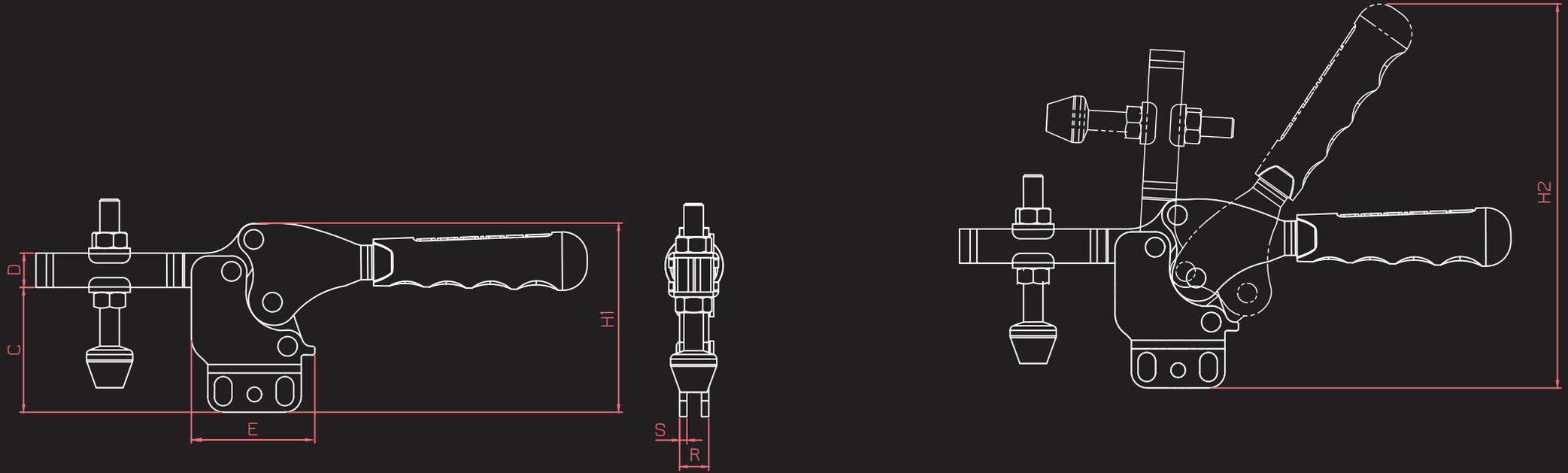
E KUVVET ANALİZİ
FORCE ANALYSIS

MODEL	X	X1	X2	Y	FT1 (N)	FT2 (N)	FB1 (N)	FB2 (N)	FB1 : FU	FB2 : FU
1261 D	9,5	21,5	44	86	1050	825	875	675	7:1	3:1
1262 D	13,5	27	62	104	1225	1050	1050	775	7:1	3:1
1263 D	16,5	30,5	51	125	2550	1375	2350	1275	8:1	4:1
1264 D	23,5	50,5	103,5	161	3675	2050	3550	1825	9:1	4:1
1265 D	28,25	58,25	130,25	180	4500	2600	4300	2200	10:1	5:1

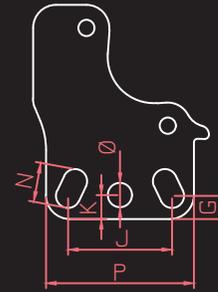
FT1-FT2: TUTMA KAPASİTESİ (HOLDING CAPACITY), FB1-FB2: BASKI KUVVETİ (CLAMPING FORCE),
FU: UYGULAMA KUVVETİ (APPLIED FORCE)



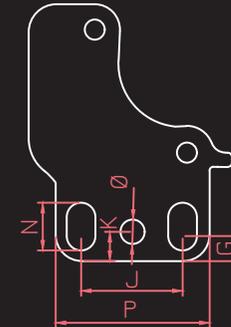
Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice



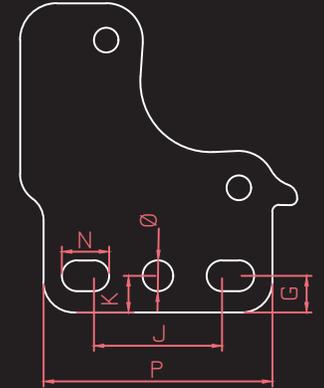
Model: 1261 D



Model: 1262 D



Model: 1263 D
1264 D



Model: 1265 D



ÖLÇÜLENDİRME
DIMENSIONS

MODEL	B	C	D	E	G	H1	H2	I	J	K	N	L	P	R	S	Ø
1261 D	30,5	32,6	11	33,5	4-9	50	103,5	9	14-24	-	5x10	146	33,5	4	2	-
1262 D	50	41,5	14	45	6,5-9	64	123,5	12	22,5-26	5,9	6x10	188	37	5	2,5	6
1263 D	47	51	14	51	8,6	77	157	16	25,4	7,25	7,2x11,9	227	38,5	6	3	6
1264 D	75,6	68,5	19	70,5	8,3	106	204	19,5	41,4	8,3	9,2x12,7	300	57	8	4	8,5
1265 D	93	76,5	25,2	92	12	124	237	24	42-53	11,9	10x15,5	345	75	10	5	10



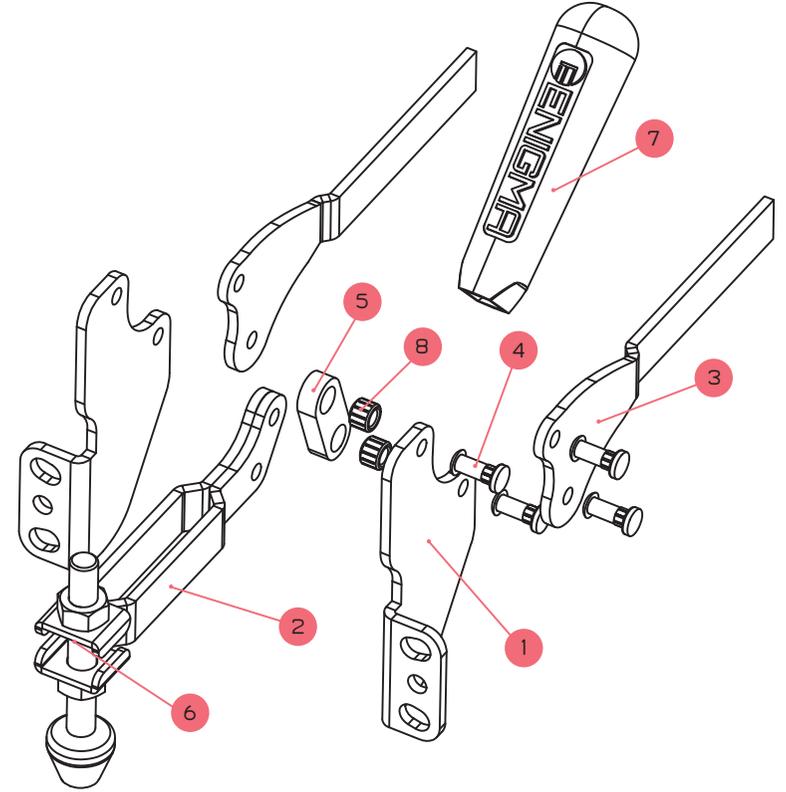
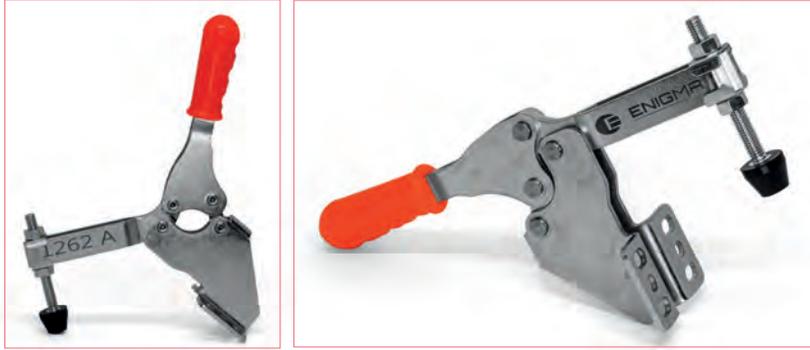
YATAY BAĞLANTI ELEMENLARI

Horizontal Toggle Clamps

A SERİ / A SERIES

Montaj Tipi: Alın Taban

Body Mounting Base: Side Ward



E | PATLATILMIŞ
EXPLODE

ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	A Gövde	2
2	Baskı Kolu	2
3	Hareket Kolu	2
4	Perçin	4
5	Mafsal	1
6	Baskı Grubu	1
7	Tutamak	1
8	Burç	2



AÇI ve HAREKET ANALİZİ ANGLE and MOTION ANALYSIS

MODEL	$\alpha (\pm 2^\circ)$	$\beta (\pm 2^\circ)$	A	Bmin	Bmax	M	AĞIRLIK KG (weight)
1261 A	88	55	14	12	34,5	M5x34	0,12
1262 A	90	55	27,5	13,5	48,5	M6x53	0,22
1263 A	93	55	26	18	50	M8x60	0.5
1264 A	88	55	34	27	80	M10x76	0.8
1265 A	92	58	35,5	30	102	M12x86	0.95

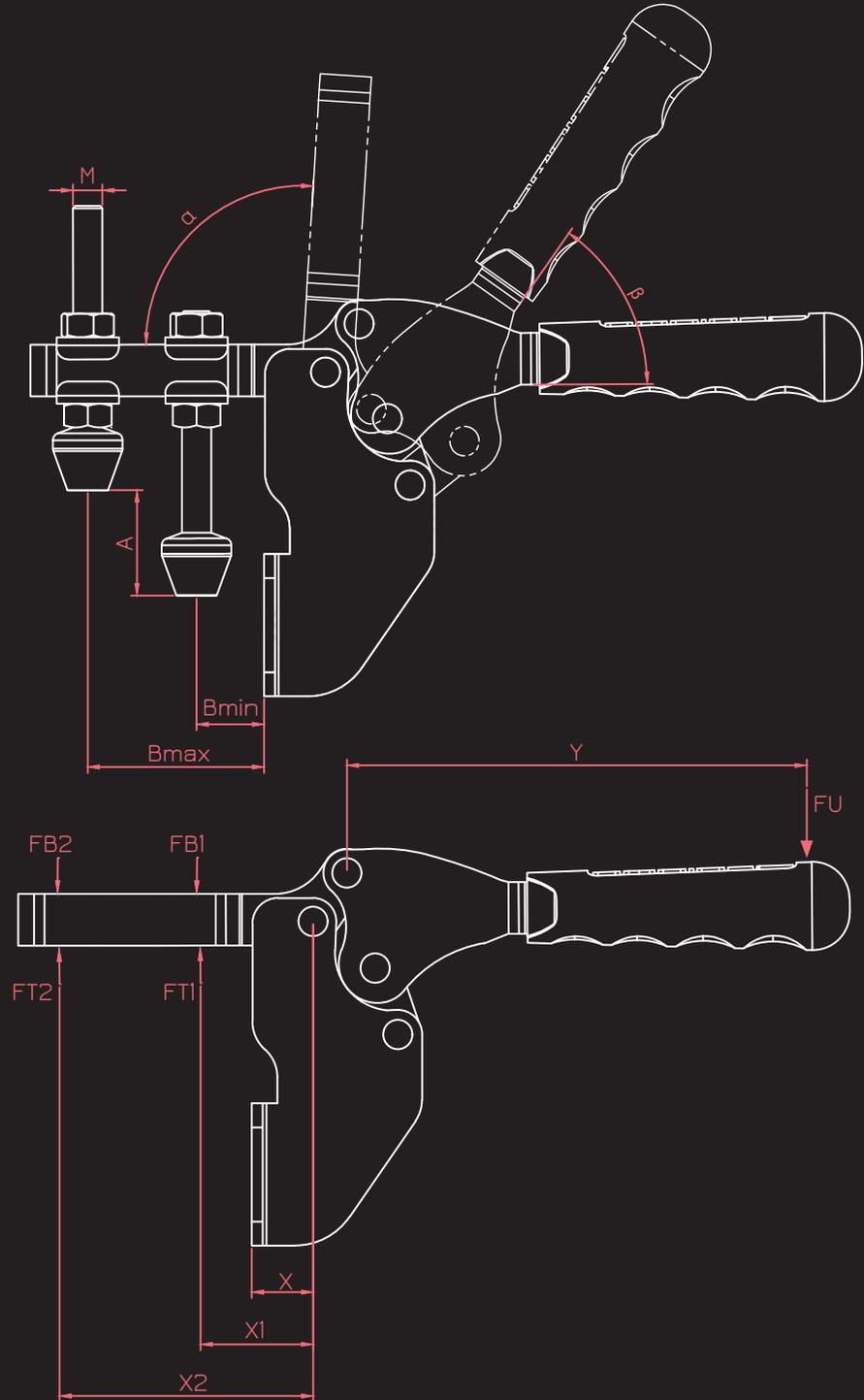


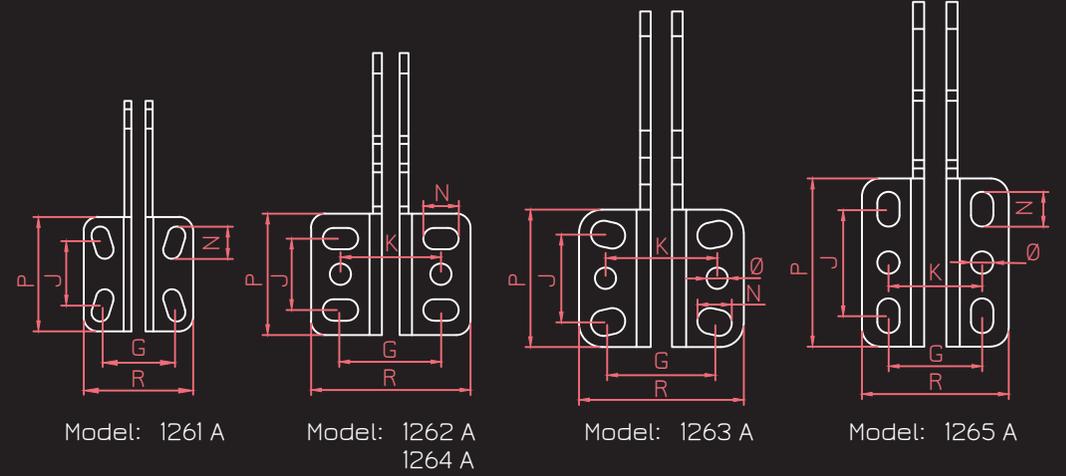
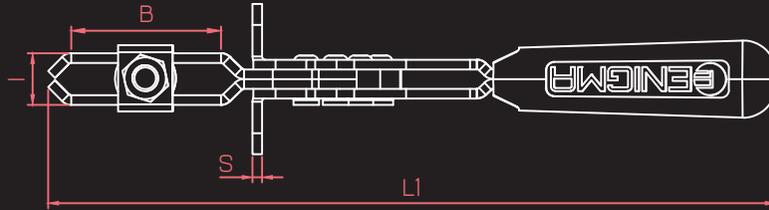
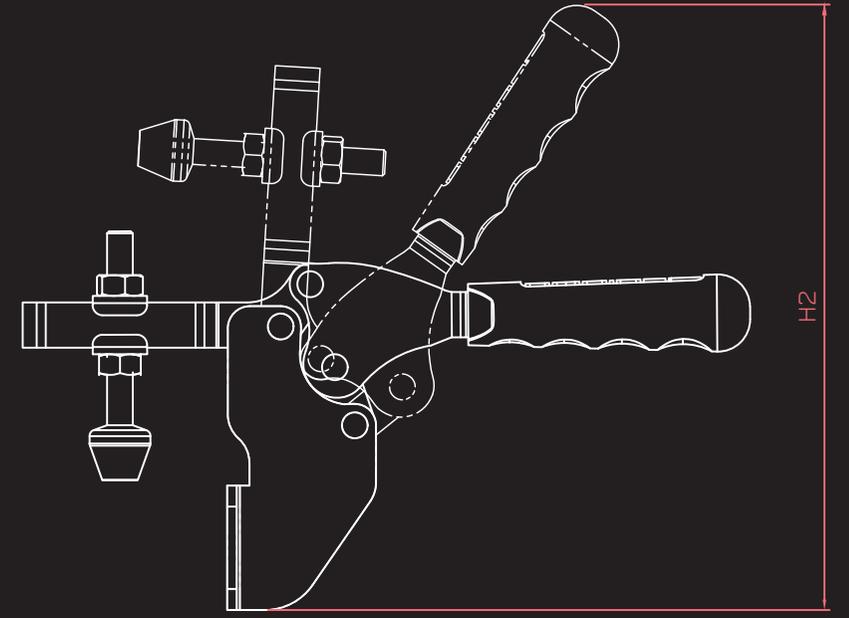
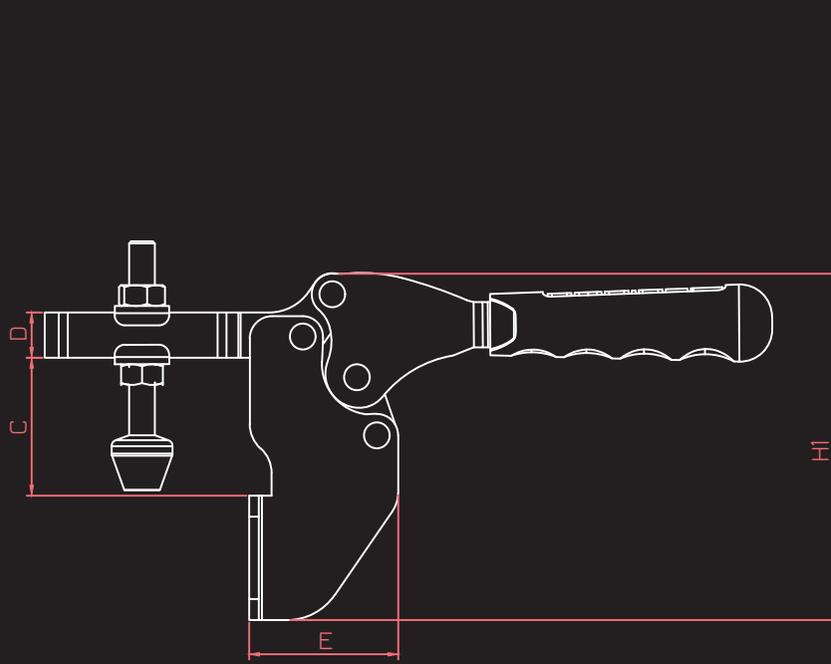
KUVVET ANALİZİ FORCE ANALYSIS

MODEL	X	X1	X2	Y	FT1 (N)	FT2 (N)	FBI (N)	FB2 (N)	FBI : FU	FB2 : FU
1261 A	9,5	21,5	44	86	1050	825	875	675	7:1	3:1
1262 A	13,5	27	62	104	1225	1050	1050	775	7:1	3:1
1263 A	16,5	30,5	51	125	2550	1375	2350	1275	8:1	4:1
1264 A	23,5	50,5	103,5	161	3675	2050	3550	1825	9:1	4:1
1265 A	28,25	58,25	130,25	180	4500	2600	4300	2200	10:1	5:1

FT1-FT2: TUTMA KAPASİTESİ (HOLDING CAPACITY), FBI-FB2: BASKI KUVVETİ (CLAMPING FORCE),
FU: UYGULAMA KUVVETİ (APPLIED FORCE)

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice





Model: 1261 A

Model: 1262 A
1264 A

Model: 1263 A

Model: 1265 A



ÖLÇÜLENDİRME
DIMENSIONS

MODEL	B	C	D	E	G	H1	H2	I	J	K	N	L	P	R	S	Ø
1261 A	30,5	55,75	11	36	19-21,5	73	130	9	13,5-21,5	-	5x9,3	146	32	31	2	-
1262 A	50	67,5	14	47	24-32	90	149,5	12	20	28,4	6x10	188	34	45	2,5	6
1263 A	47	81	14	49,6	27,5-32,5	107,5	183	16	24-25	31,5	7,2x9,8	227	38,5	46,5	3	6
1264 A	75,6	104	19	70	36,2-43,2	137	234,5	19,5	32	43,2	9x12,5	300	54	60	4	8,5
1265 A	93	130	25,2	89	42,2	177,5	291	24	42-53	42,1	10x15,5	345	75	66	5	10

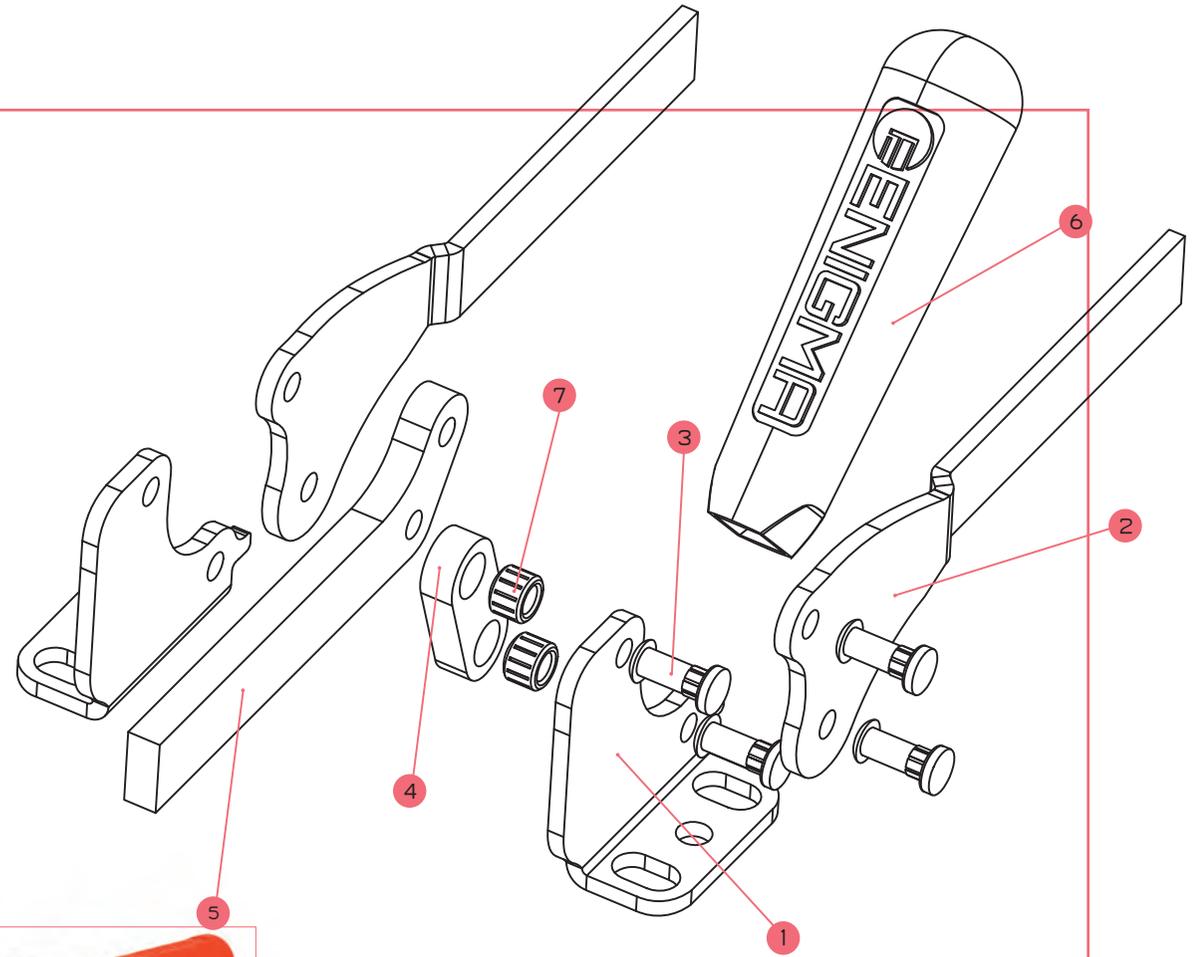


LAMALI YATAY BAĞLANTI ELEMENLARI

Horizontal Toggle Clamps
With Solid Arm

Y SERİ / Y SERIES

Montaj Tipi: Yatay Taban
Body Mounting Base: Horizontal



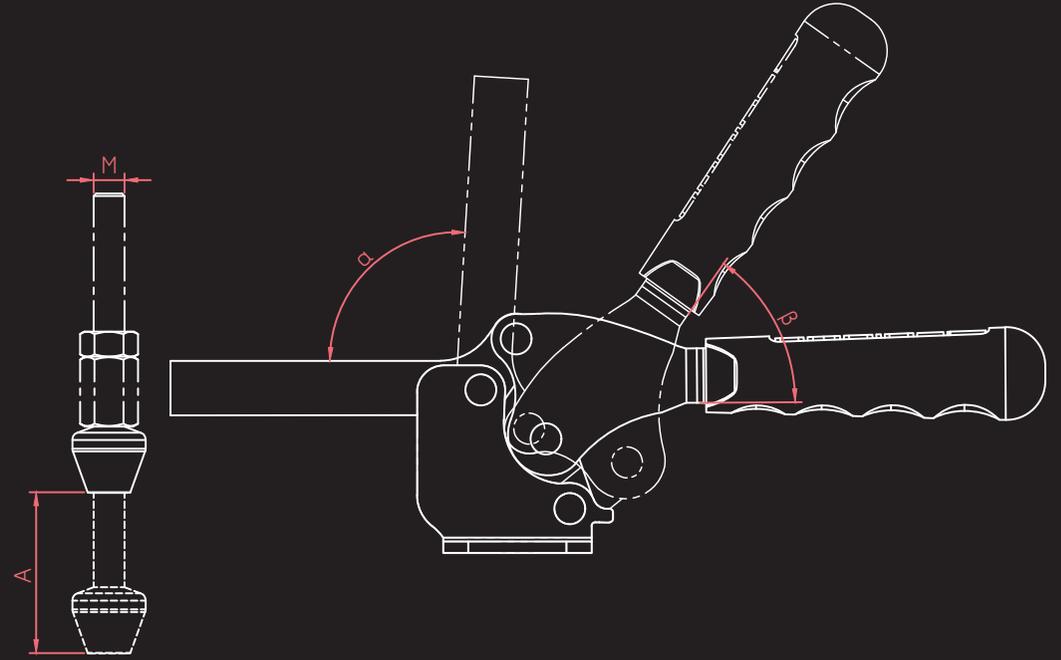
E PATLATILMIŞ
EXPLODE

ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	Y Gövde	2
2	Hareket Kolu	2
3	Perçin	4
4	Mafsal	1
5	Lama Baskı Kolu	1
6	Tutamak	1
7	Burç	2



AÇI ve HAREKET ANALİZİ ANGLE and MOTION ANALYSIS

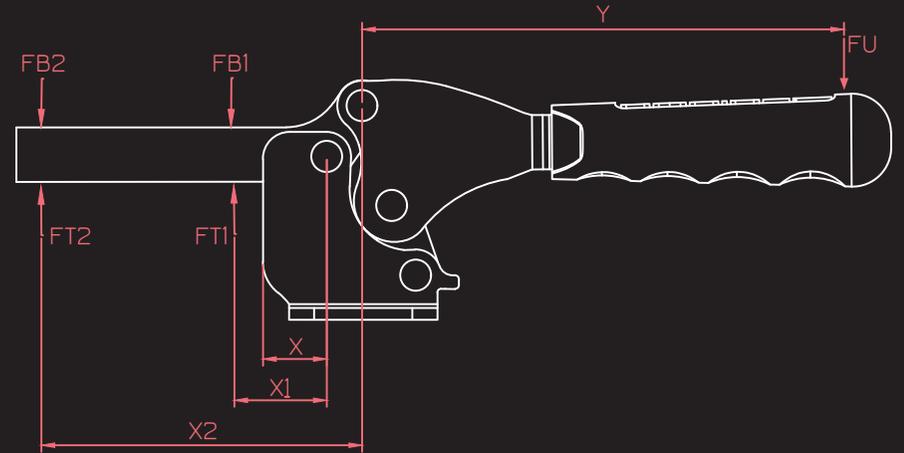
MODEL	α ($\pm 2^\circ$)	β ($\pm 2^\circ$)	A	M	AĞIRLIK KG (weight)
1261 Y-L	88	55	14	M5x34	0,12
1262 Y-L	90	55	27,5	M6x53	0,22
1263 Y-L	93	55	26	M8x60	0.5
1264 Y-L	88	55	34	M10x76	0.8
1265 Y-L	92	58	35,5	M12x86	0.95



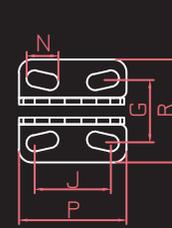
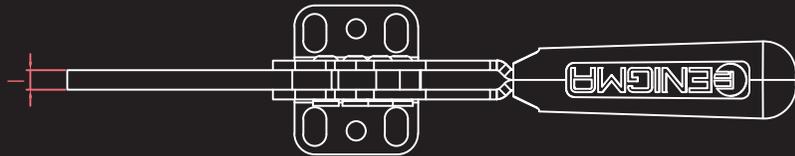
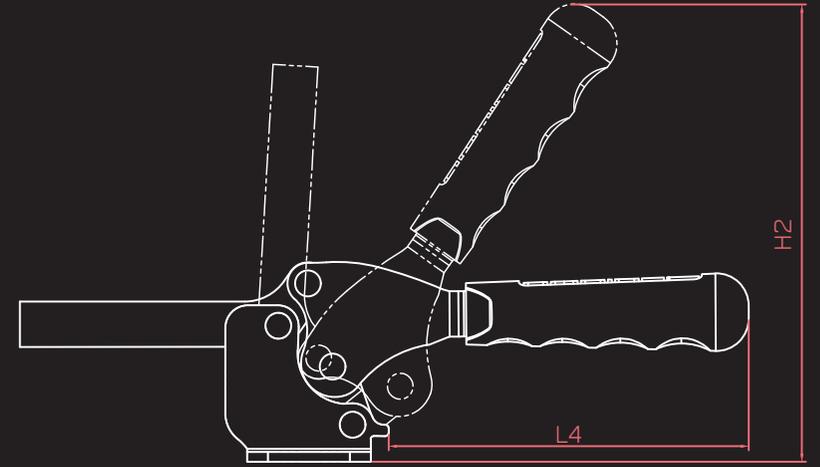
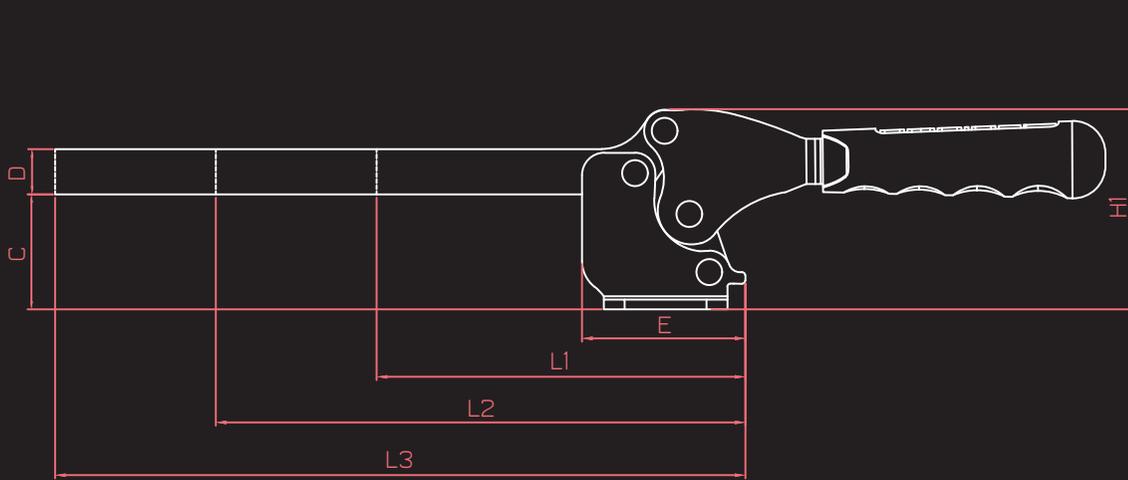
KUVVET ANALİZİ FORCE ANALYSIS

MODEL	X	X1	X2	Y	FT1 (N)	FT2 (N)	FB1 (N)	FB2 (N)	FB1 : FU	FB2 : FU
1261 Y-L	9,5	21,5	44	86	1050	825	875	675	7:1	3:1
1262 Y-L	13,5	27	62	104	1225	1050	1050	775	7:1	3:1
1263 Y-L	16,5	30,5	51	125	2550	1375	2350	1275	8:1	4:1
1264 Y-L	23,5	50,5	103,5	161	3675	2050	3550	1825	9:1	4:1
1265 Y-L	28,25	58,25	130,25	180	4500	2600	4300	2200	10:1	5:1

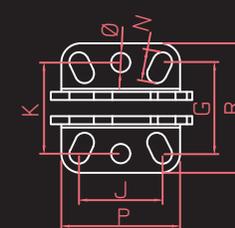
FT1-FT2: TUTMA KAPASİTESİ (HOLDING CAPACITY), FB1-FB2: BASKI KUVVETİ (CLAMPING FORCE),
FU: UYGULAMA KUVVETİ (APPLIED FORCE)



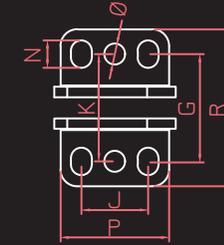
Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice



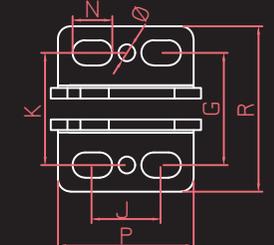
Model: 1261 Y-L



Model: 1262 Y-L



Model: 1263 Y-L
1264 Y-L



Model: 1265 Y-L



ÖLÇÜLENDİRME
DIMENSIONS

MODEL	C	D	E	G	H1	H2	I	J	N	K	L1	L2	L3	L4	P	R	S	Ø
1261 Y-L	21,5	11	33,5	17,8-20	39	92,5	9	14-24	5x10	-	73	123	173	43,5	33,5	31,8	2	-
1262 Y-L	27,9	14	45	21,25-28,5	50,5	110	12	22,5-26	6x10	28,1	107	157	207	81	37	40	2,5	6
1263 Y-L	35,5	14	51	24,2-33,5	61,5	141,5	16	25,4	7,2x11,9	31,5	115	165	215	112	38,5	46	3	6
1264 Y-L	49	19	69,5	36,2-43,2	86	184	19,5	41,4	9,2x12,7	43,1	128,5	178,5	228,5	128	57	59,8	4	8,5
1265 Y-L	55	25,2	92	42,2	103	216	24	42-53	10x15,5	42,1	211,5	261,5	311,5	133,5	75	66	5	10

* L kol boyu için özel üretime uygun sipariş verebilirsiniz. / *This item is available upon request

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir / Dimensions and technical information are subject to change without notice

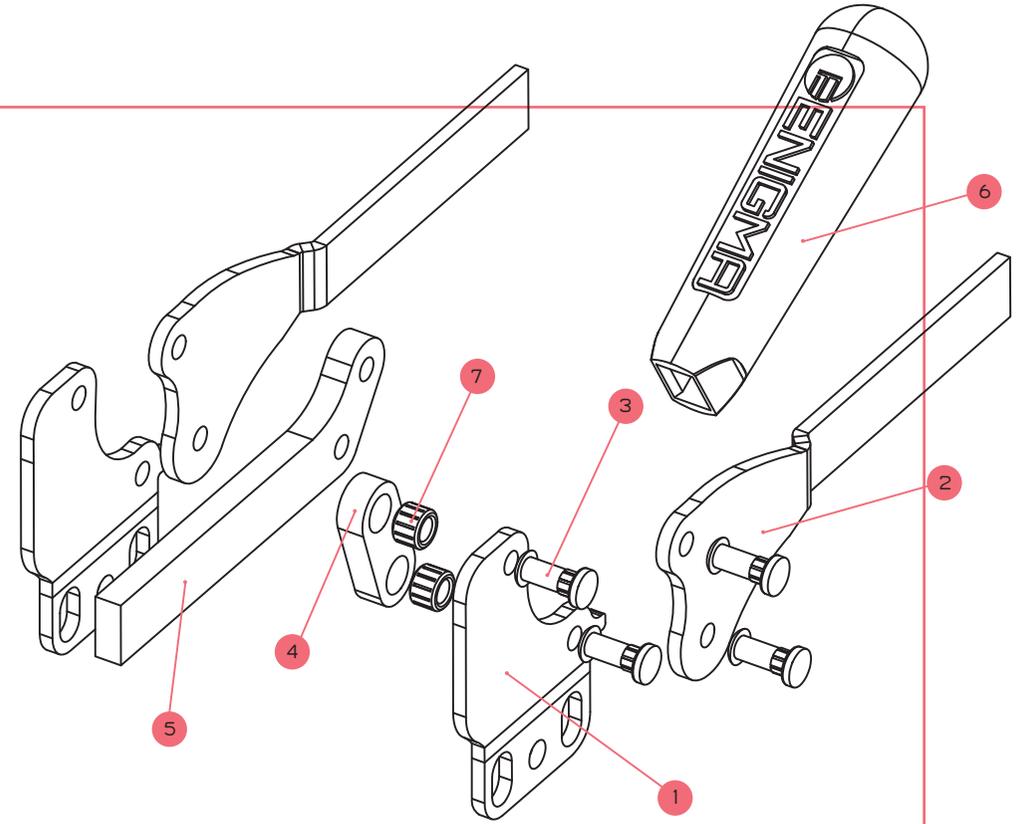


LAMALI YATAY BAĞLANTI ELEMENLARI

Horizontal Toggle Clamps
With Solid Arm

D SERİ / D SERIES

Montaj Tipi: Dikey Taban
Body Mounting Base: Vertical



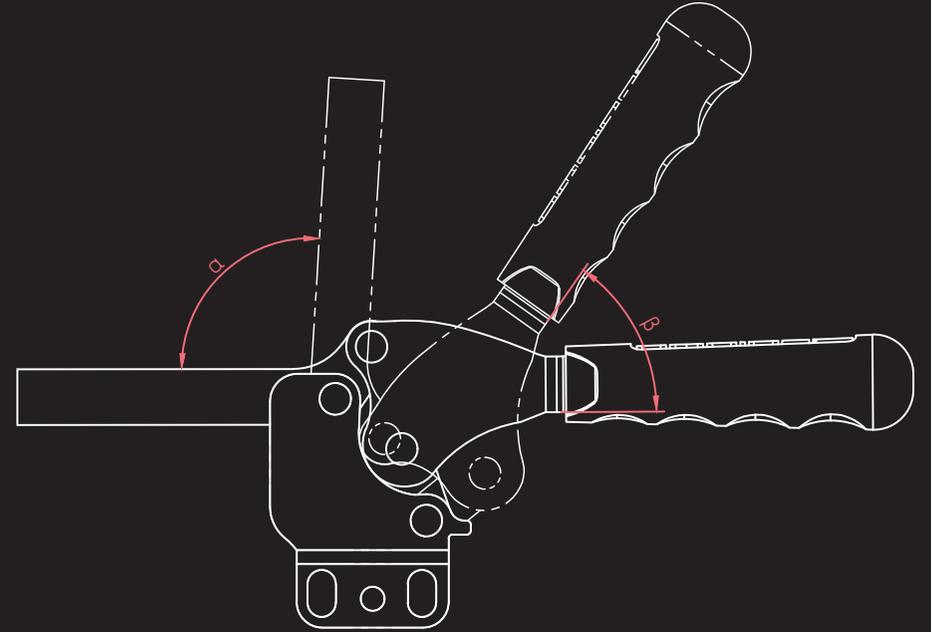
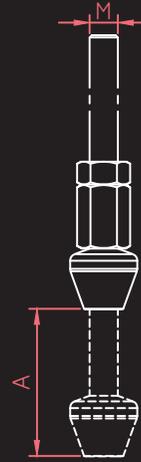
E PATLATILMIŞ
EXPLODE

ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	D Gövde	2
2	Hareket Kolu	2
3	Perçin	4
4	Mafsal	1
5	Lama Baskı Kolu	1
6	Tutamak	1
7	Burç	2



AÇI ve HAREKET ANALİZİ ANGLE and MOTION ANALYSIS

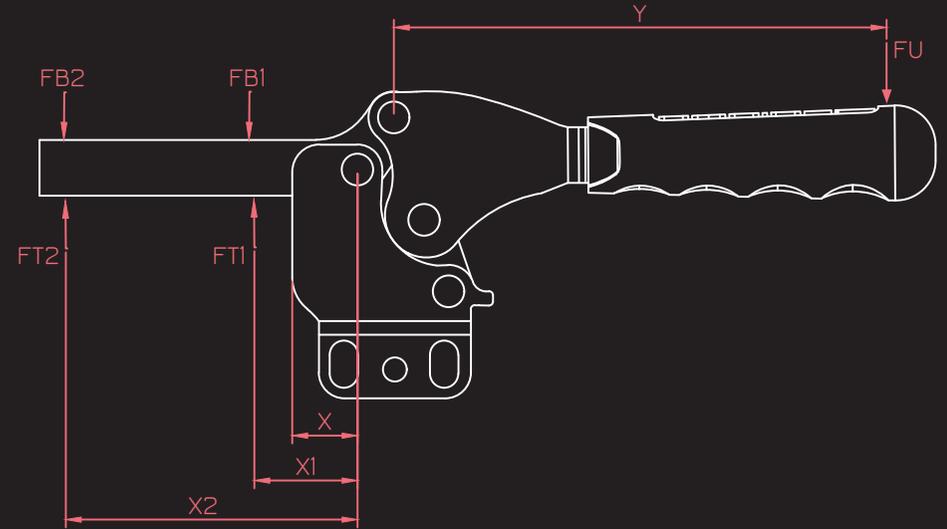
MODEL	$\alpha (\pm 2^\circ)$	$\beta (\pm 2^\circ)$	A	M	AĞIRLIK KG (weight)
1261 D-L	88	55	14	M5x34	0,12
1262 D-L	90	55	27,5	M6x53	0,22
1263 D-L	93	55	26	M8x60	0.5
1264 D-L	88	55	34	M10x76	0.8
1265 D-L	92	58	35,5	M12x86	0.95



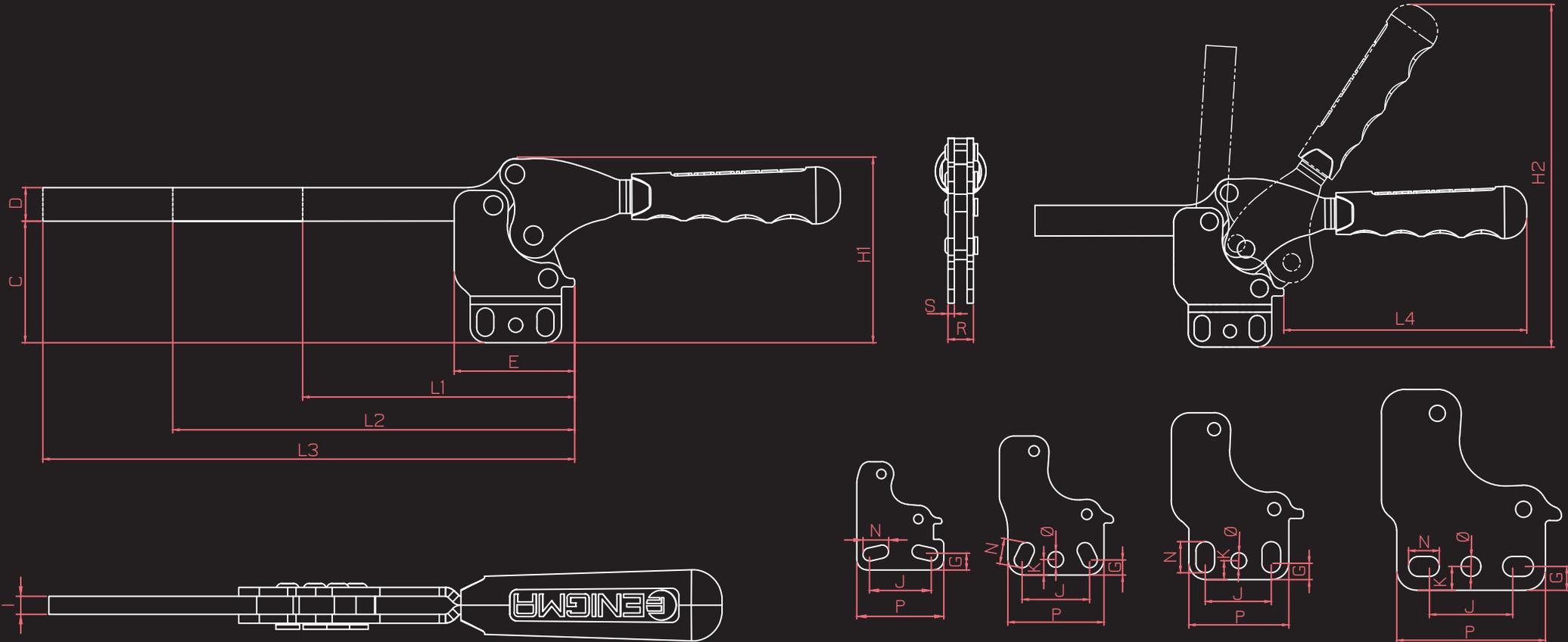
KUVVET ANALİZİ FORCE ANALYSIS

MODEL	X	X1	X2	Y	FT1 (N)	FT2 (N)	FBI (N)	FB2 (N)	FBI : FU	FB2 : FU
1261 D-L	9,5	21,5	44	86	1050	825	875	675	7:1	3:1
1262 D-L	13,5	27	62	104	1225	1050	1050	775	7:1	3:1
1263 D-L	16,5	30,5	51	125	2550	1375	2350	1275	8:1	4:1
1264 D-L	23,5	50,5	103,5	161	3675	2050	3550	1825	9:1	4:1
1265 D-L	28,25	58,25	130,25	180	4500	2600	4300	2200	10:1	5:1

FT1-FT2: TUTMA KAPASİTESİ (HOLDING CAPACITY), FBI-FB2: BASKI KUVVETİ (CLAMPING FORCE),
FU: UYGULAMA KUVVETİ (APPLIED FORCE)



Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice



Model: 1261 D-L

Model: 1262 D-L

Model: 1263 D-L
1264 D-L

Model: 1265 D-L



ÖLÇÜLENDİRME
DIMENSIONS

MODEL	C	D	E	G	H1	H2	I	J	N	K	L1	L2	L3	L4	P	R	S	Ø
1261 D-L	32,6	11	33,5	4-9	50	103,5	9	14-24	5x10	-	73	123	173	43,5	33,5	4	2	-
1262 D-L	41,5	14	45	6,5-9	64	123,5	12	22,5-26	6x10	5,9	107	157	207	81	37	5	2,5	6
1263 D-L	51	14	51	8,6	77	157	16	25,4	7,2x11,9	7,25	115	165	215	112	38,5	6	3	6
1264 D-L	68,5	19	70,5	8,3	106	204	19,5	41,4	9,2x12,7	8,3	128,5	178,5	228,5	128	57	8	4	8,5
1265 D-L	76,5	25,2	92	12	124	237	24	42-53	10x15,5	11,9	211,5	261,5	311,5	133,5	75	10	5	10

* L kol boyu için özel üretime uygun sipariş verebilirsiniz. / *This item is available upon request

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir / Dimensions and technical information are subject to change without notice



LAMALI BAĞLANTI ELEMENLARI

Horizontal Toggle Clamps
With Solid Arm

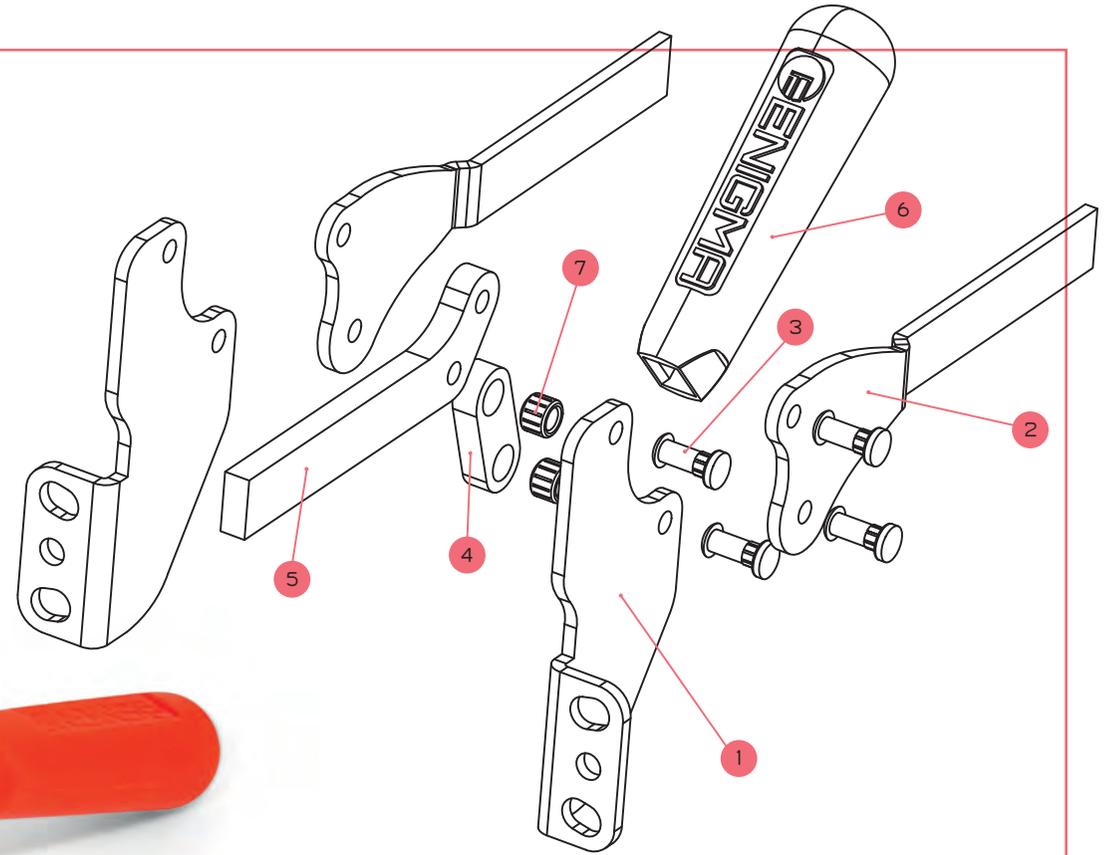
A SERİ / A SERIES

Montaj Tipi: Alın Taban

Body Mounting Base: Side Ward



ENIGMA
clamp



**PATLATILMIŞ
EXPLODE**

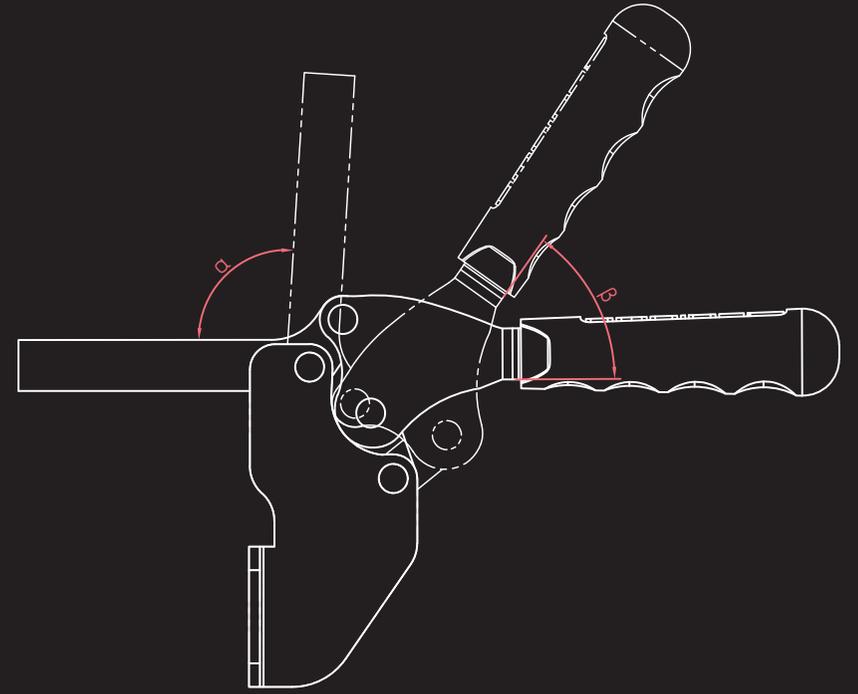
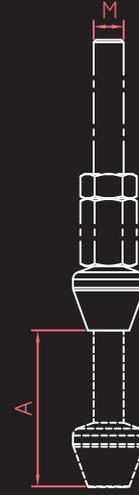
ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	A Gövde	2
2	Hareket Kolu	2
3	Perçin	2
4	Mafsal	4
5	Lama Baskı Kolu	1
6	Tutamak	1
7	Burç	1

Görsellerde verilen ürün, model kodu farklılıklarına göre değişiklik gösterebilir. / The product shown in the images may differ from some others depending on the model code differences.



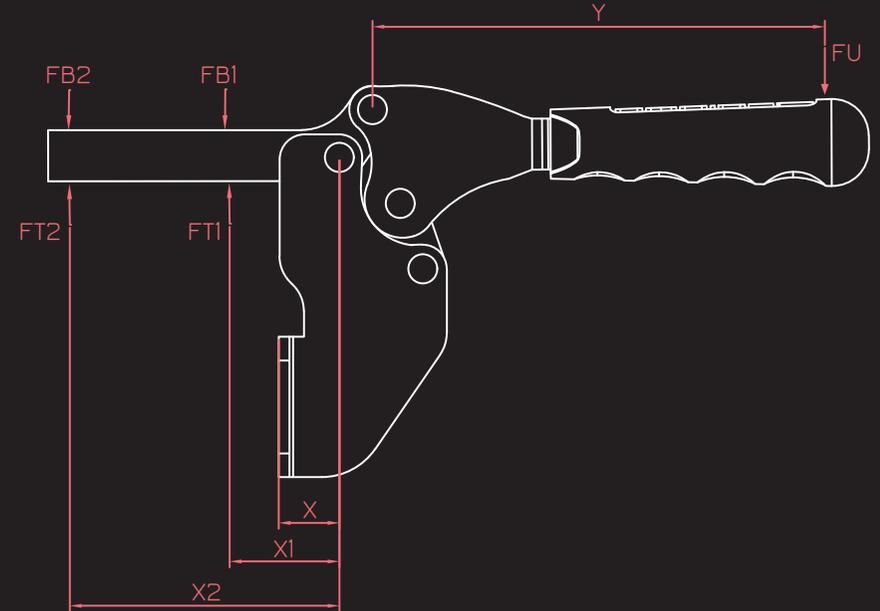
AÇI ve HAREKET ANALİZİ ANGLE and MOTION ANALYSIS

MODEL	$\alpha (\pm 2^\circ)$	$\beta (\pm 2^\circ)$	A	M	AĞIRLIK KG (weight)
1261 A-L	88	55	14	M5x34	0,12
1262 A-L	90	55	27,5	M6x53	0,22
1263 A-L	93	55	26	M8x60	0.5
1264 A-L	88	55	34	M10x76	0.8
1265 A-L	92	58	35,5	M12x86	0.95



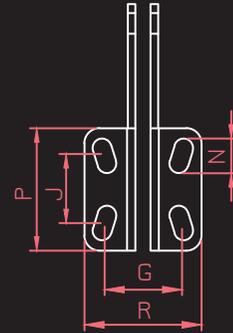
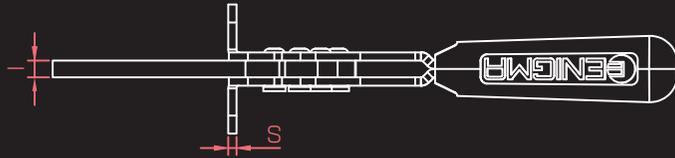
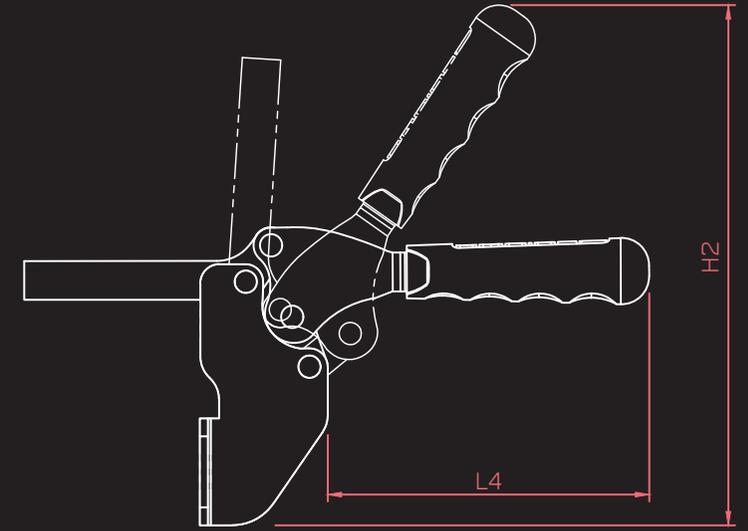
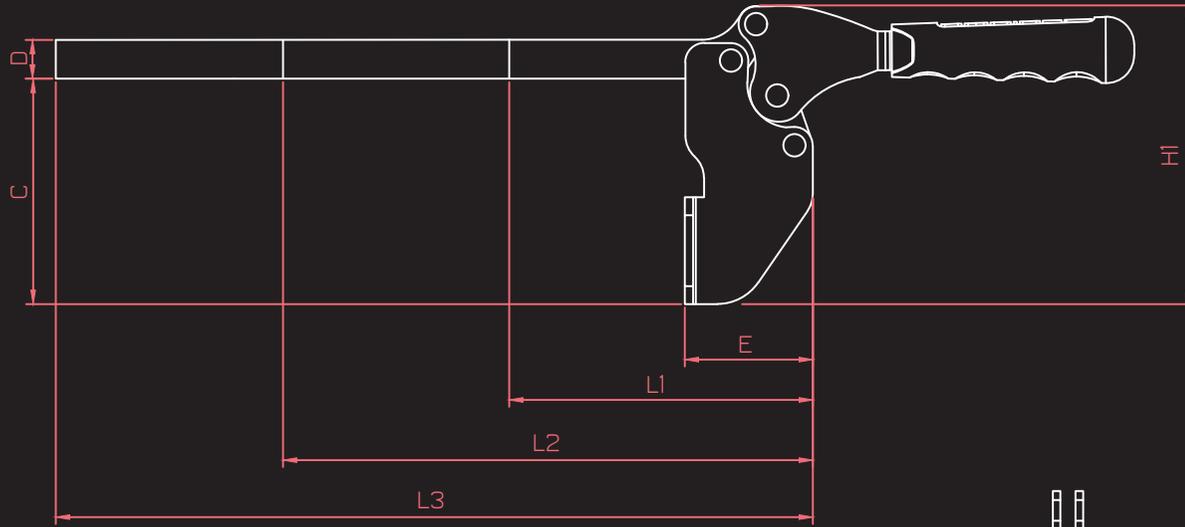
KUVVET ANALİZİ FORCE ANALYSIS

MODEL	X	X1	X2	Y	FT1 (N)	FT2 (N)	FBI (N)	FB2 (N)	FBI : FU	FB2 : FU
1261 A-L	14,2	26,2	48,7	86	1050	825	875	675	7:1	3:1
1262 A-L	13,4	26,9	61,9	104	1225	1050	1050	775	7:1	3:1
1263 A-L	16,8	34,8	66,8	125	2550	1375	2350	1275	8:1	4:1
1264 A-L	27	27	107	161	3675	2050	3550	1825	9:1	4:1
1265 A-L	31	61	133	180	4500	2600	4300	2200	10:1	5:1

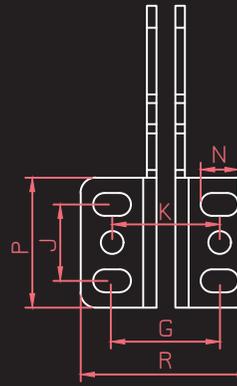


FT1-FT2: TUTMA KAPASİTESİ (HOLDING CAPACITY), FBI-FB2: BASKI KUVVETİ (CLAMPING FORCE),
FU: UYGULAMA KUVVETİ (APPLIED FORCE)

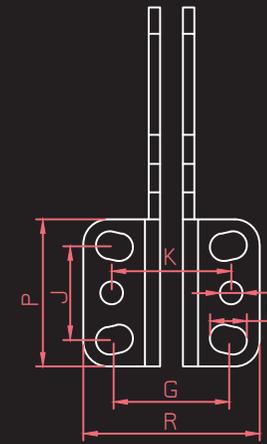
Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice



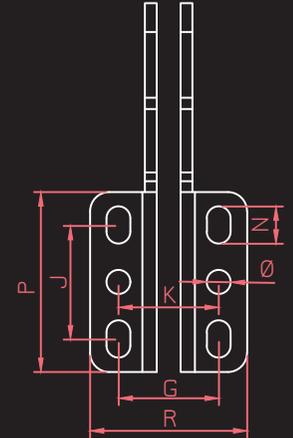
Model: 1261 A-L



Model: 1262 A-L
1264 A-L



Model: 1263 A-L



Model: 1265 A-L



ÖLÇÜLENDİRME
DIMENSIONS

MODEL	C	D	E	G	H1	H2	I	J	N	K	L1	L2	L3	L4	P	R	S	Ø
1261 A-L	55,75	11	36	19-21,5	73	130	9	13,5-21,5	5x9,3	-	69	119	169	73,8	32	31	2	-
1262 A-L	67,5	14	47	24-32	90	149,5	12	20	6x10	28,4	103	153	203	85	34	45	2,5	6
1263 A-L	81	14	49,6	27,5-32,5	107,5	183	16	24-25	7,2x9,8	31,5	110	160	210	117	38,5	46,5	3	6
1264 A-L	104	19	70	36,2-43,2	137	234,5	19,5	32	9x12,5	43,2	164,5	204,5	254,5	135	54	60	4	8,5
1265 A-L	129,75	25,2	89	42,2	177,5	291	24	42-53	10x15,5	42,1	203,5	253,5	303,5	141,5	75	66	5	10

* L kol boyu için özel üretime uygun sipariş verebilirsiniz. / *This item is available upon request

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir / Dimensions and technical information are subject to change without notice



YATAY BAĞLANTI ELEMENLARI

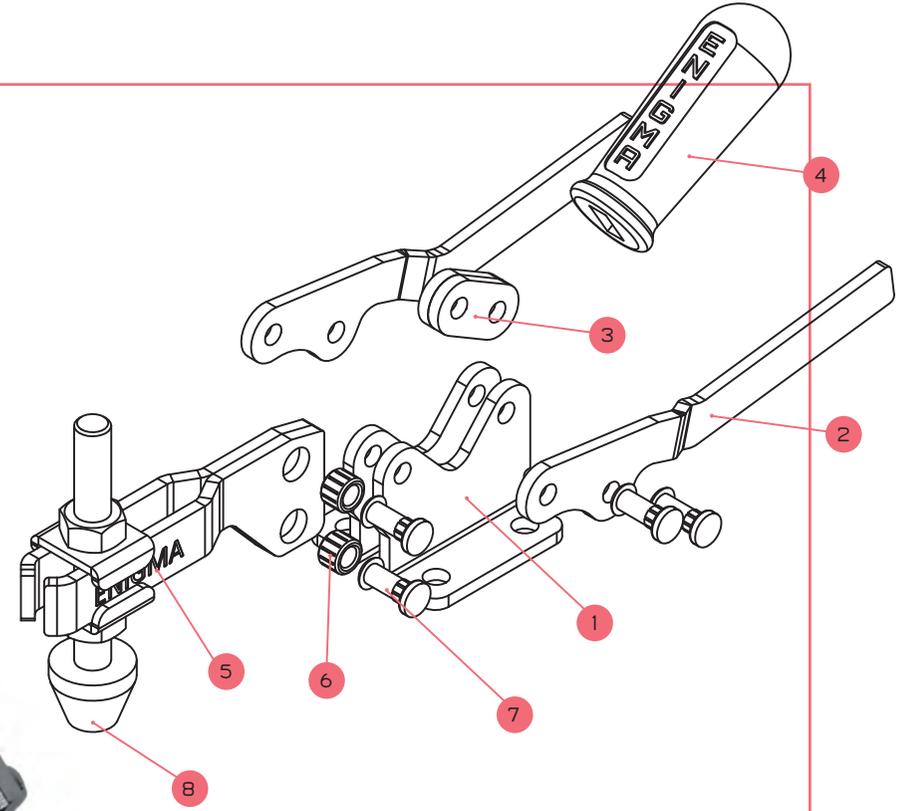
Horizontal Toggle Clamps

Y SERİ / Y SERIES

Montaj Tipi: Yatay Taban
Body Mounting Base: Horizontal



ENIGMA
clamp



E PATLATILMIŞ
EXPLODE

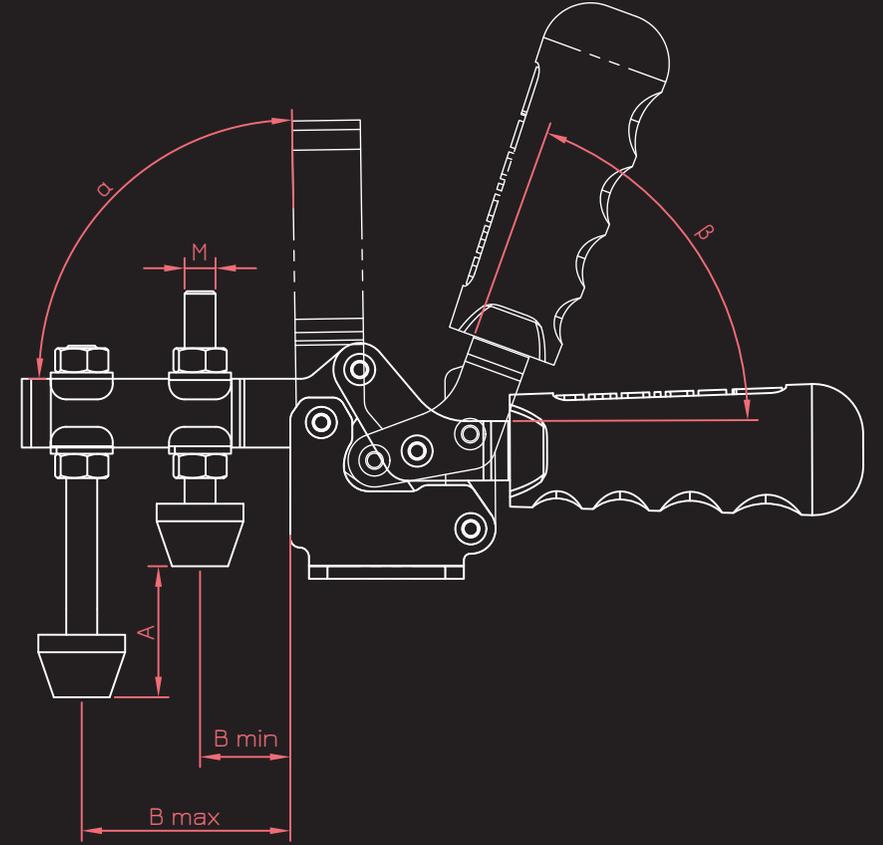
ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	Y Gövde	2
2	Hareket Kolu	2
3	Mafsal	2
4	Tutamak	1
5	Baskı Kolu	2
6	Burç	2
7	Perçin	4
8	Baskı Grubu	1

Görsellerde verilen ürün, model kodu farklılıklarına göre değişiklik gösterilebilir. / The product shown in the images may differ from some others depending on the model code differences.



AÇI ve HAREKET ANALİZİ ANGLE and MOTION ANALYSIS

MODEL	$\alpha (\pm 2^\circ)$	$\beta (\pm 2^\circ)$	A	B min	B max	M	AĞIRLIK KG (weight)
1201 Y	93	73	20	9	38	M5x35	0,11
1202 Y	89	80	30	18	55	M6x55	0,17
1203 Y	87	67	31	23	62	M8x62	0,28

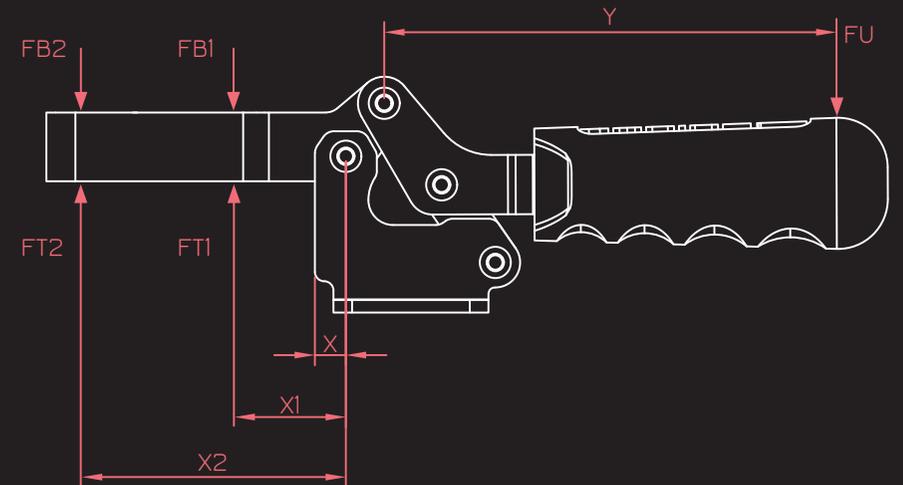


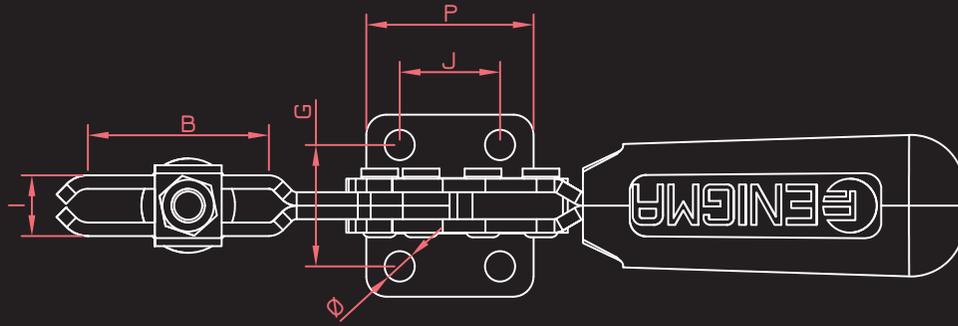
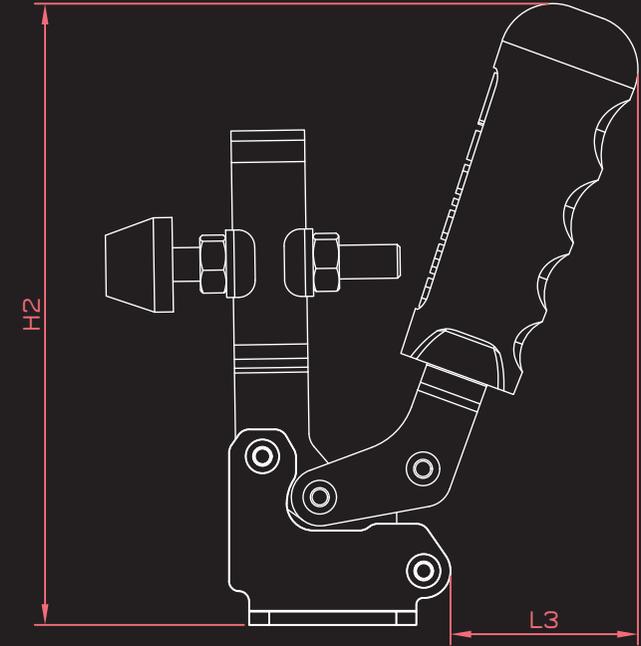
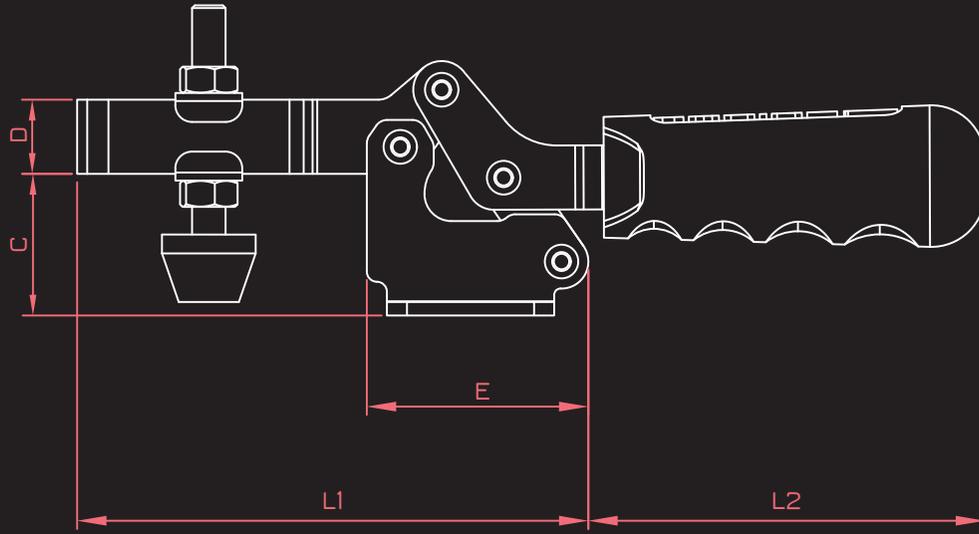
KUVVET ANALİZİ FORCE ANALYSIS

MODEL	X	X1	X2	Y	FT1(N)	FT2(N)	FB1(N)	FB2(N)	FB1:FU	FB2:FU
1201 Y	5	17	46	74	950	750	850	620	7:1	3:1
1202 Y	6,25	20	60	80	1100	900	1000	770	7:1	3:1
1203 Y	7	33	71	97	1220	950	1100	950	8:1	4:1

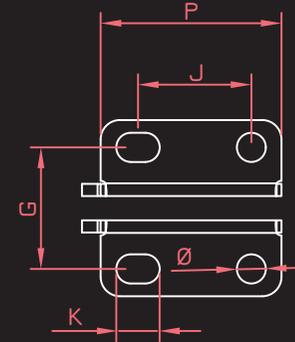
FT1-FT2: TUTMA KAPASİTESİ (HOLDING CAPACITY), FB1-FB2: BASKI KUVVETİ (CLAMPING FORCE),
FU: UYGULAMA KUVVETİ (APPLIED FORCE)

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice

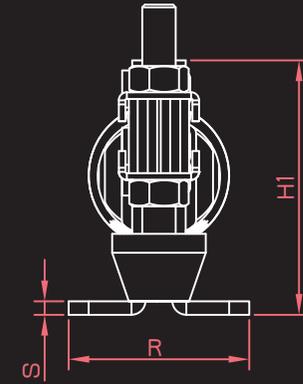




Model: 1201 Y
1203 Y



Model: 1202 Y



ÖLÇÜLENDİRME
DIMENSIONS

MODEL	B	C	D	E	G	H1	H2	I	J	K	L1	L2	L3	P	R	S	Ø
1201 Y	28	21	11	33	18	38	74	9	15	-	76,5	59	20	25	27	2	4,5
1202 Y	43	26.25	13	41,5	25	48	98	12	22-25	6x9	102	60	23	37,5	36,25	2,5	6
1203 Y	42	38	13	45	26,5	51	127	15	27	-	118	75	45	41	40	3	6



YATAY BAĞLANTI ELEMENLARI

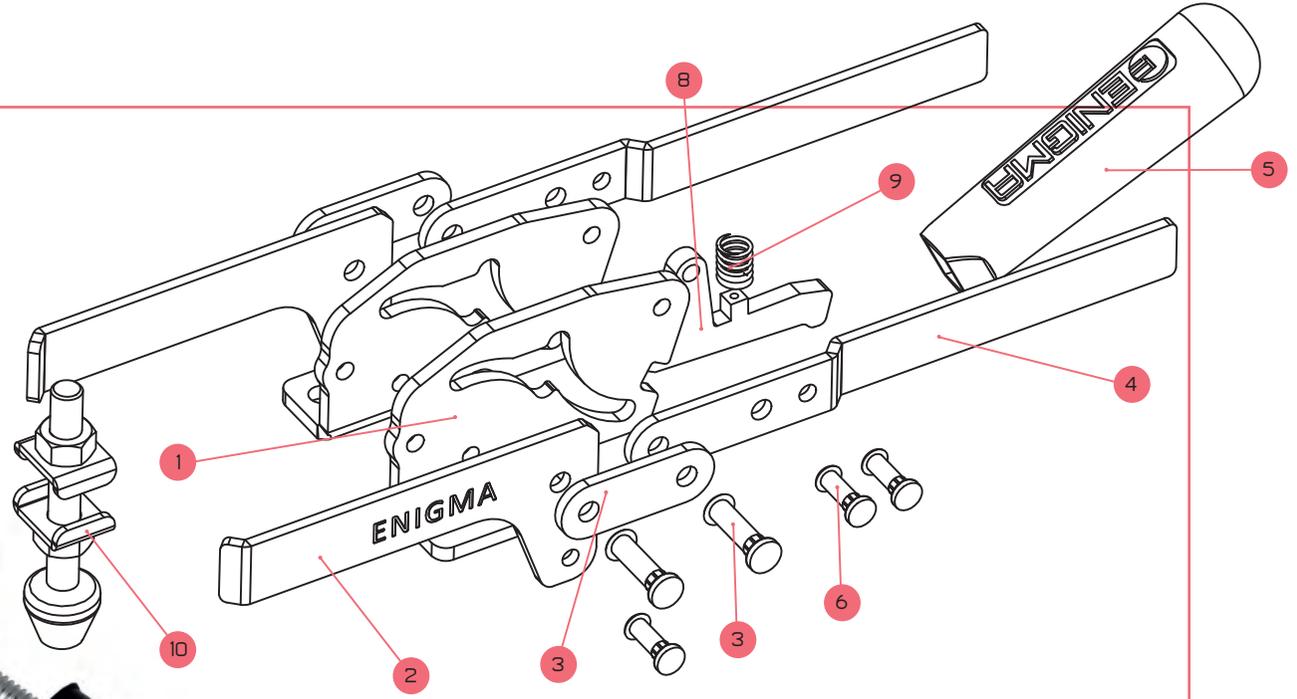
Horizontal Toggle Clamps

Y SERİ / Y SERIES

Montaj Tipi: Yatay Taban
Body Mounting Base: Horizontal



ENIGMA
clamp



PATLATILMIŞ
EXPLODE

ÖGE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	Y Gövde	2
2	Baskı Kolu	2
3	Mafsal	2
4	Harekat Kolu	2
5	Tutamak	1
6	Perçin	3
7	Perçin	2
8	Kilit Mandalı	1
9	Kilit Yayı	1
10	Baskı Grubu	1

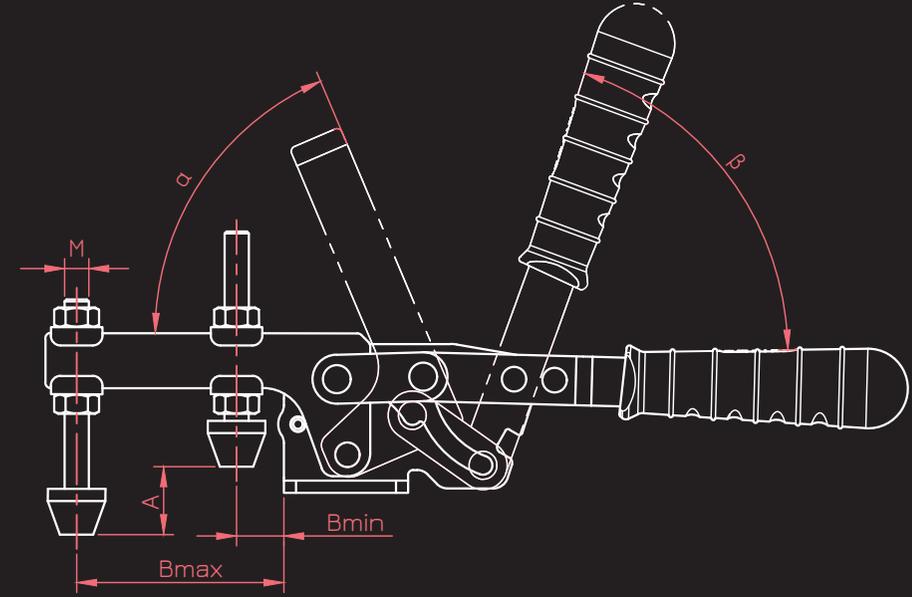


Görsellerde verilen ürün, model kodu farklılıklarına göre değişiklik gösterilebilir. / The product shown in the images may differ from some others depending on the model code differences.



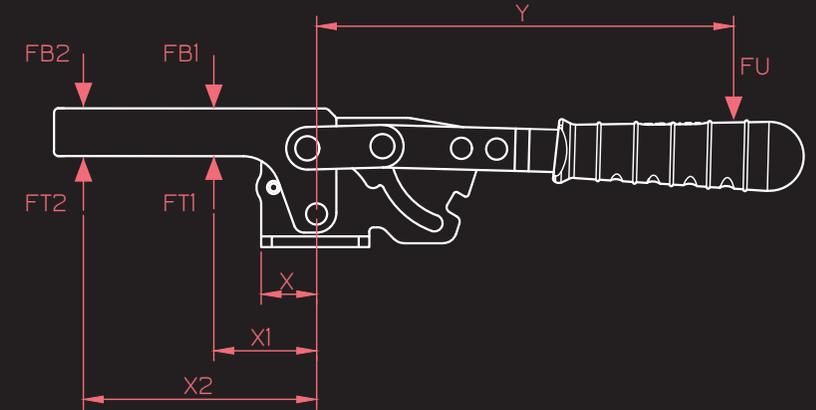
AÇI ve HAREKET ANALİZİ ANGLE and MOTION ANALYSIS

Model	Kilitli Safety Latch	$\alpha^{\circ}(+ -2^{\circ})$	$\beta^{\circ}(+ -2^{\circ})$	A	B min	B max	M	AĞIRLIK (Kg) (Weight)
1234 Y	1244 Y	67°	70°	25	15	67	M8	0,62
1235 Y	1245 Y	68°	65°	32	20	97	M10	1,36



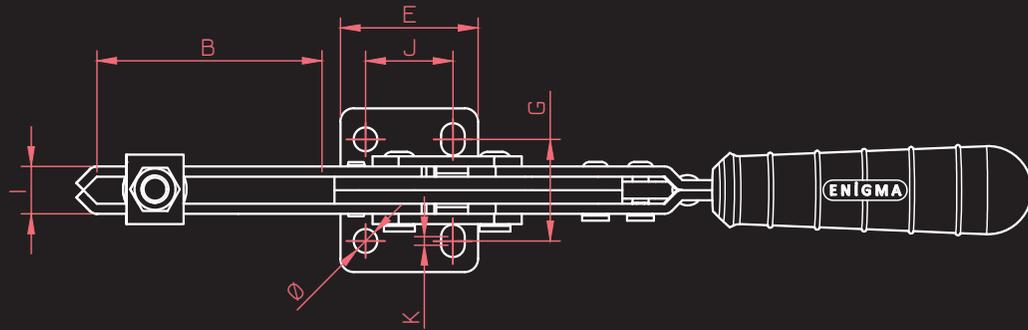
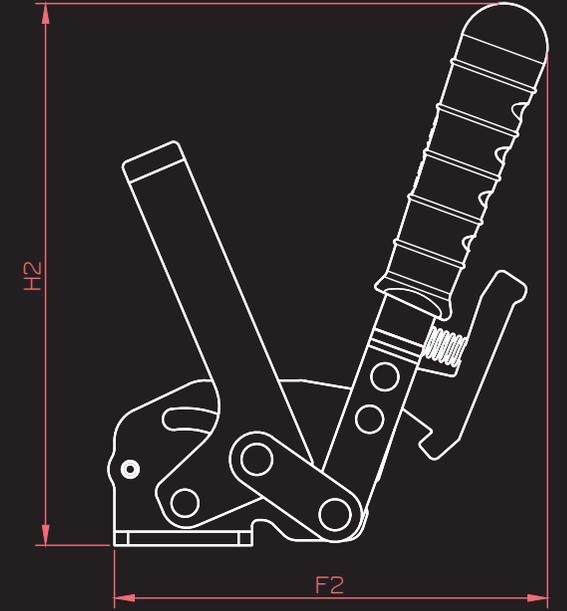
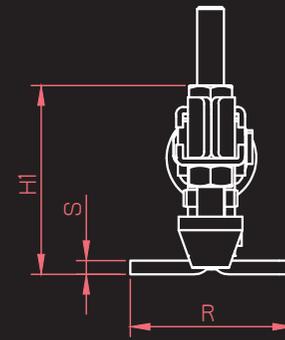
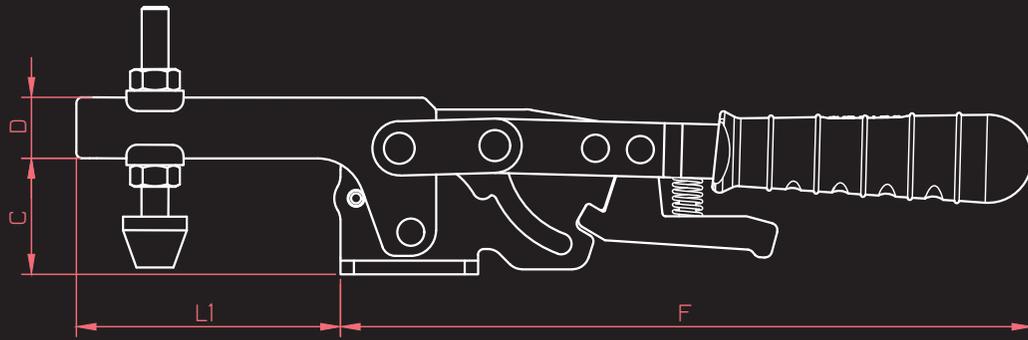
KUVVET ANALİZİ FORCE ANALYSIS

Model	Kilitli Safety Latch	X	X1	X2	Y	FT1 (N)	FT2 (N)	FBI (N)	FB2 (N)	FBI:FU	FB2:FU
1234 Y	1244 Y	21	15	65	162	3650	2050	3420	1980	8:1	5:1
1235 Y	1245 Y	30	45	118	185	7250	3040	6500	2950	10:1	5:1



FT1-FT2: TUTMA KAPASİTESİ (HOLDING CAPACITY), FBI-FB2: BASKI KUVVETİ (CLAMPING FORCE),
FU: UYGULAMA KUVVETİ (APPLIED FORCE)

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice



E ÖLÇÜLENDİRME
DIMENSIONS

Model	Kilitli Safety Latch	B	C	D	E	F1	F2	G	H1	H2	I	J	K	L1	R	S	Ø
1234 Y	1244 Y	70	34	18	41	206	129	30	56	160	14	26	2,5	79	48,5	4	7
1235 Y	1245 Y	110	47	20	60	241	169	40	78	178	20	41,5	3	110	60	5	8,5

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir / Dimensions and technical information are subject to change without notice



YATAY BAĞLANTI ELEMENLARI

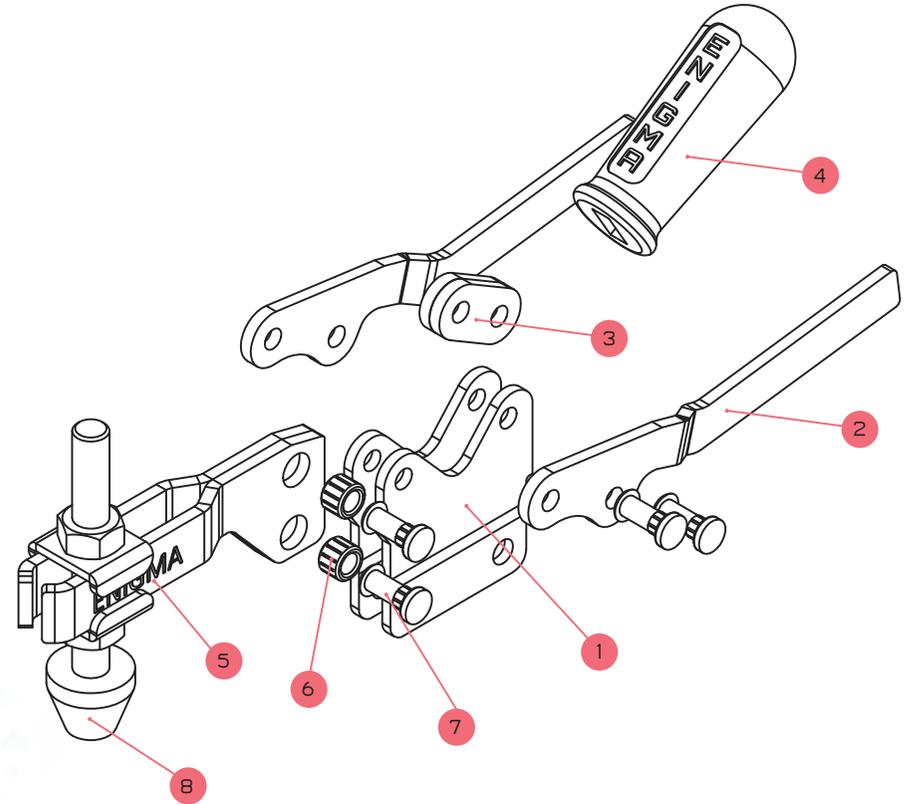
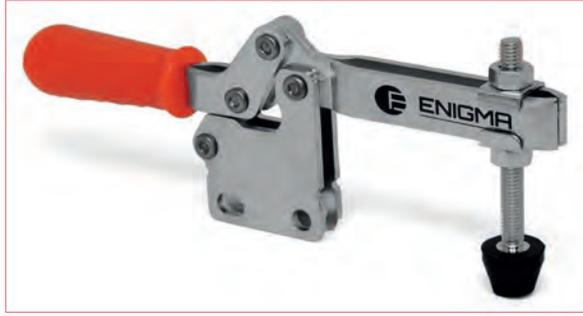
Horizontal Toggle Clamps

D SERİ / D SERIES

Montaj Tipi: Dikey Tabanlı
Body Mounting Base: Vertical



ENIGMA
clamp



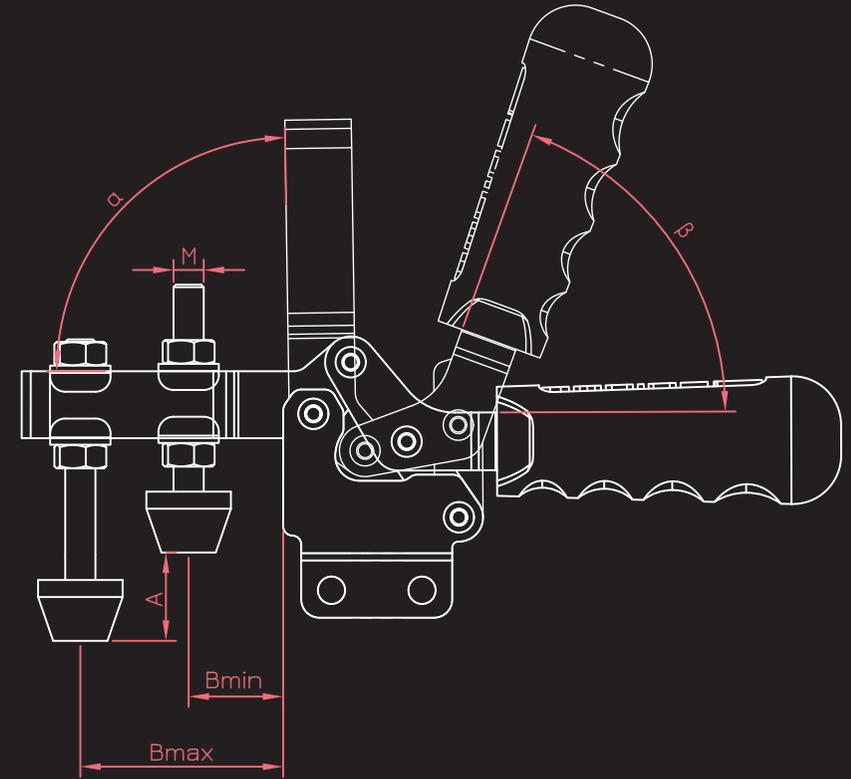
PATLATILMIŞ
EXPLODE

ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	D Gövde	2
2	Hareket Kolu	2
3	Mafsal	2
4	Tutamak	1
5	Baskı Kolu	2
6	Burç	2
7	Perçin	4
8	Baskı Grubu	1

Görsellerde verilen ürün, model kodu farklılıklarına göre değişiklik gösterebilir. / The product shown in the images may differ from some others depending on the model code differences.

E AÇI ve HAREKET ANALİZİ
ANGLE and MOTION ANALYSIS

MODEL	$\alpha (\pm 2^\circ)$	$\beta (\pm 2^\circ)$	A	B min	B max	M	AĞIRLIK KG (weight)
1201 D	93	73	20	9	38	M5x35	0,11
1202 D	89	80	30	18	55	M6x55	0,17
1203 D	87	67	31	23	62	M8x62	0,28

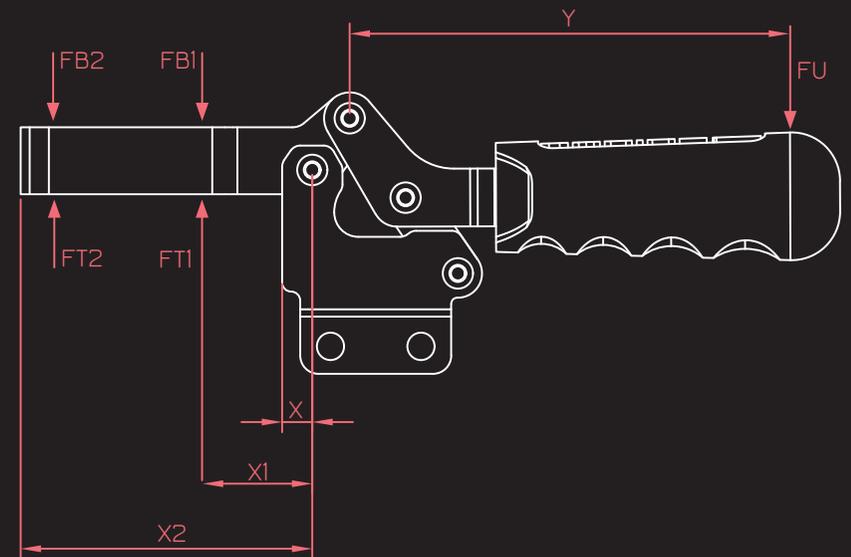


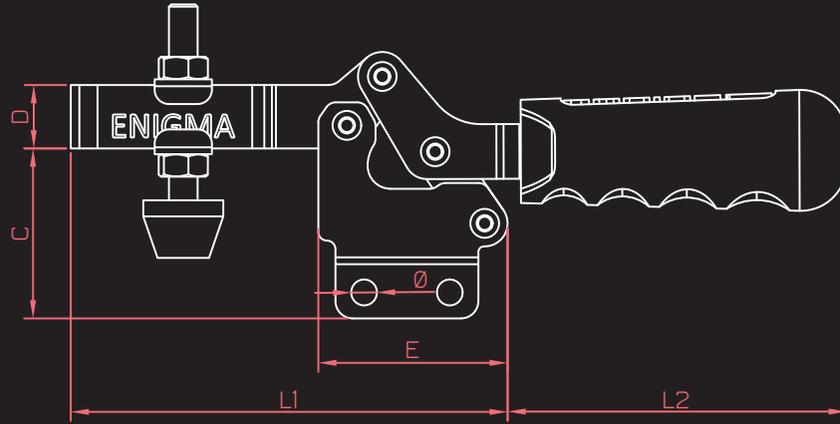
E KUVVET ANALİZİ
FORCE ANALYSIS

MODEL	X	X1	X2	Y	FT1(N)	FT2(N)	FB1(N)	FB2(N)	FB1:FU	FB2:FU
1201 D	5	17	46	74	950	750	850	620	7:1	3:1
1202 D	6,25	20	60	80	1100	900	1000	770	7:1	3:1
1203 D	7	33	71	97	1220	950	1100	950	8:1	4:1

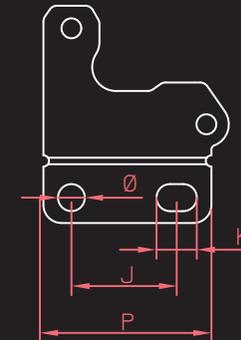
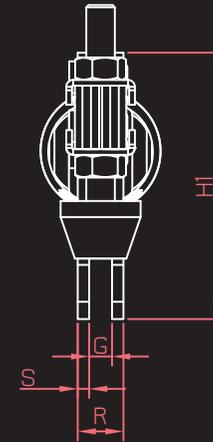
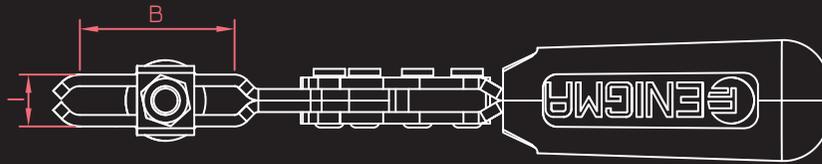
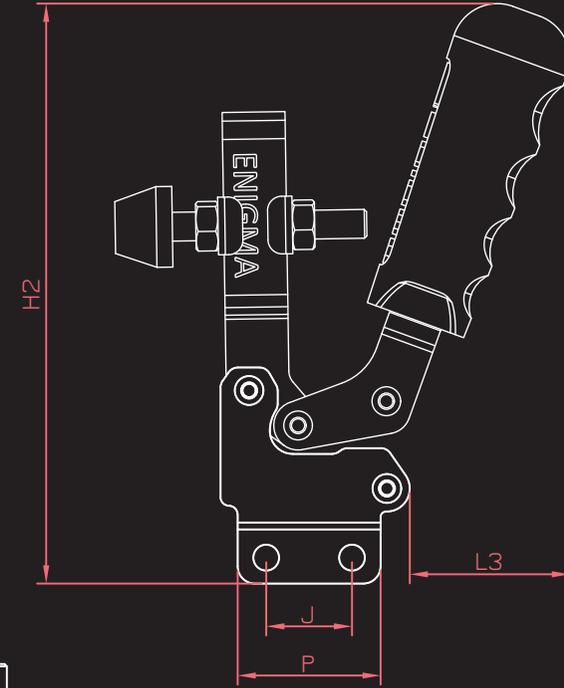
FT1-FT2: TUTMA KAPASİTESİ (HOLDING CAPACITY), FB1-FB2: BASKI KUVVETİ (CLAMPING FORCE),
FU: UYGULAMA KUVVETİ (APPLIED FORCE)

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice





Model: 1201 D
1203 D



Model: 1202 D



ÖLÇÜLENDİRME
DIMENSIONS

MODEL KODU	B	C	D	E	G	H1	H2	I	J	K	L1	L2	L3	P	R	S	Ø
1201 D	28	29,5	11	33	4	38	74	9	15	-	76,5	59	20	25	8	2	4,5
1202 D	43	38	13	41,5	5	48	98	12	22-25	6x9	102	60	23	37,5	10	2,5	6
1203 D	42	51	13	45	6	51	127	14,5	27	-	118	75	45	41	12	3	6

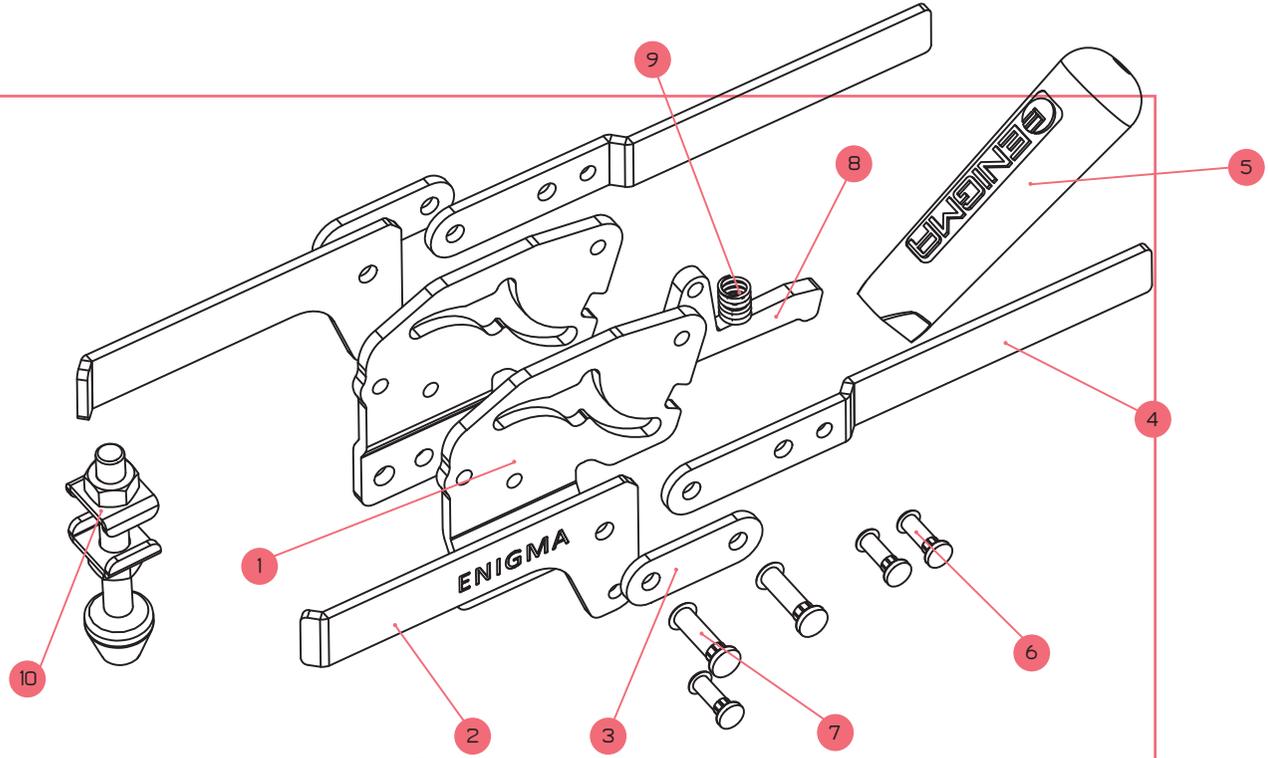


YATAY BAĞLANTI ELEMENLARI

Horizontal Toggle Clamps

D SERİ / D SERIES

Montaj Tipi: Dikey Taban
Body Mounting Base: vertical



E PATLATILMIŞ
EXPLODE

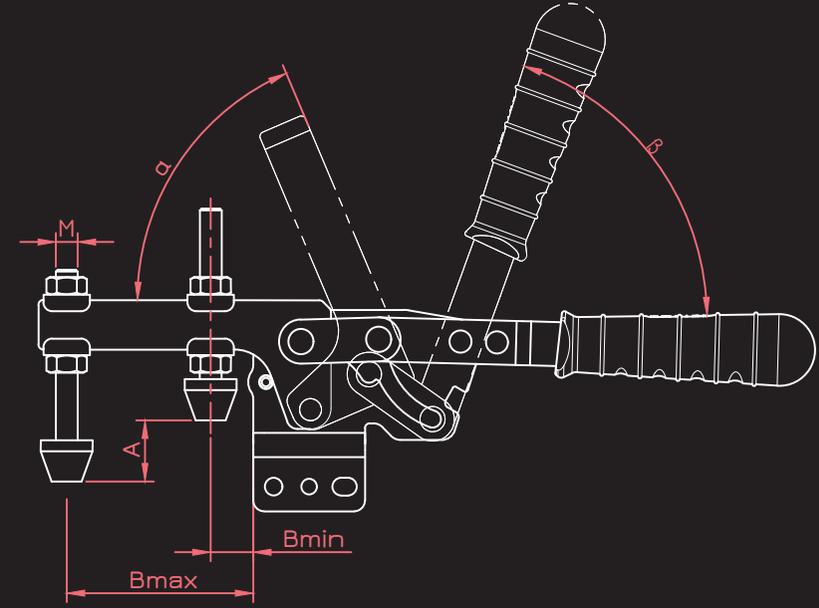
ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	D Gövde	2
2	Baskı Kolu	2
3	Mafsal	2
4	Harekat Kolu	2
5	Tutamak	1
6	Perçin	3
7	Perçin	2
8	Kilit Mandalı	1
9	Kilit Yayı	1
10	Baskı Grubu	1

Görsellerde verilen ürün, model kodu farklılıklarına göre değişiklik gösterilebilir. / The product shown in the images may differ from some others depending on the model code differences.



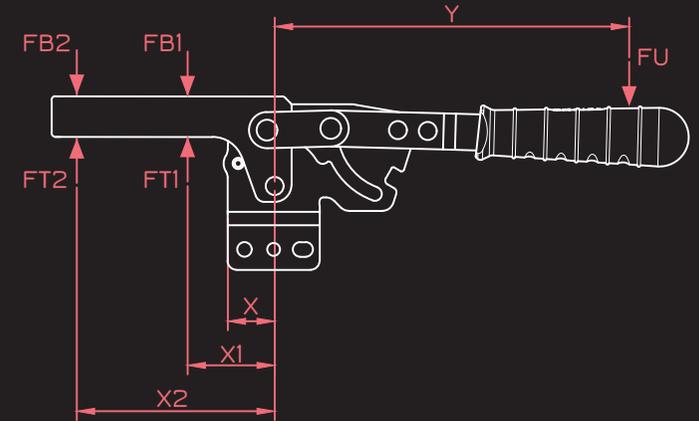
AÇI ve HAREKET ANALİZİ ANGLE and MOTION ANALYSIS

MODEL	Kilitli Safety Latch	$\alpha^\circ(\pm 2^\circ)$	$\beta^\circ(\pm 2^\circ)$	A	Bmin	Bmax	M	AĞIRLIK KG (weight)
1234 D	1244 D	67°	70°	25	15	67	M8	0,62
1235 D	1245 D	68°	65°	32	20	97	M10	1,36



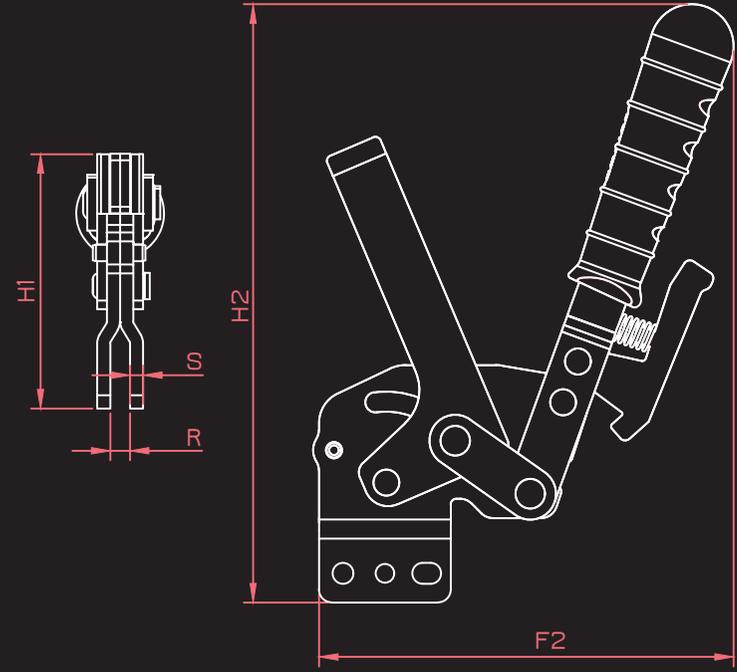
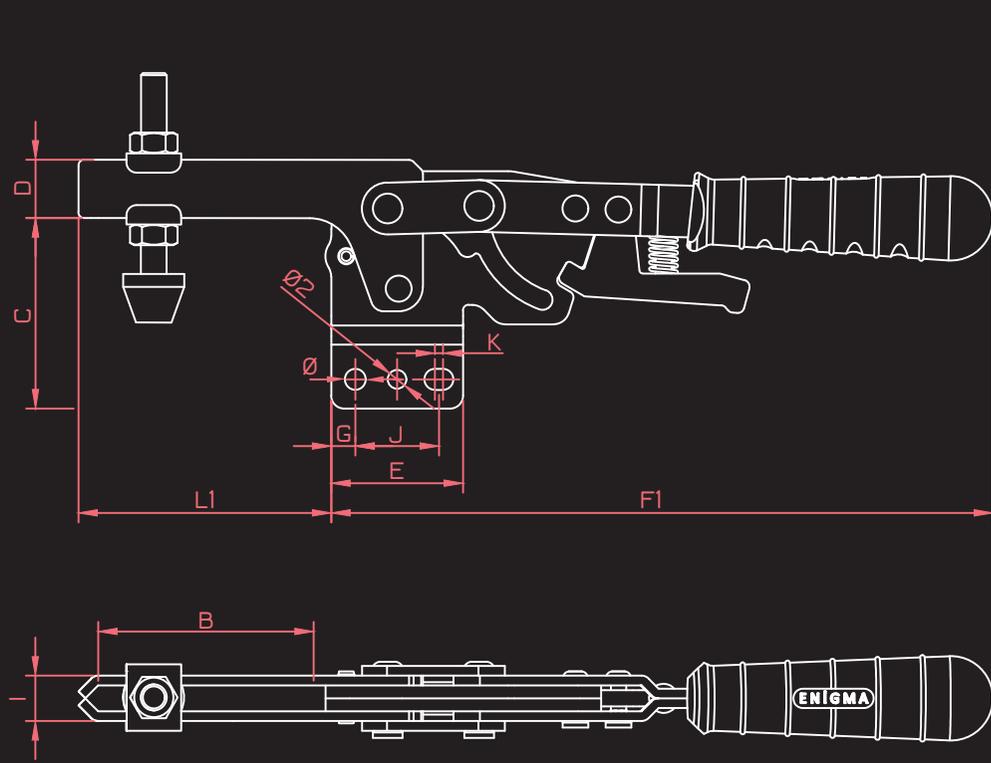
KUVVET ANALİZİ FORCE ANALYSIS

MODEL	Kilitli Safety Latch	X	X1	X2	Y	FT1(N)	FT2(N)	FB1(N)	FB2(N)	FB1:FU	FB2:FU
1234 D	1244 D	21	15	65	162	3650	2050	3420	1980	8:1	5:1
1235 D	1245 D	30	45	118	185	7250	3040	6500	2950	10:1	5:1



FT1-FT2: TUTMA KAPASİTESİ (HOLDING CAPACITY), FB1-FB2: BASKI KUVVETİ (CLAMPING FORCE),
FU: UYGULAMA KUVVETİ (APPLIED FORCE)

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice



ÖLÇÜLENDİRME DIMENSIONS

MODEL	Kilitli Safety Latch	B	C	D	E	F1	F2	G	H1	H2	I	J	K	L1	R	S	Ø	Ø2
1234 D	1244 D	70	59	18	41	206	129	7,5	77	160	14	26	2,5	79	6	4	7	5,8
1235 D	1245 D	101	79	20	60	241	169	9,2	109	178	20	41,5	3	110	8	5	8,5	7,8

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir / Dimensions and technical information are subject to change without notice



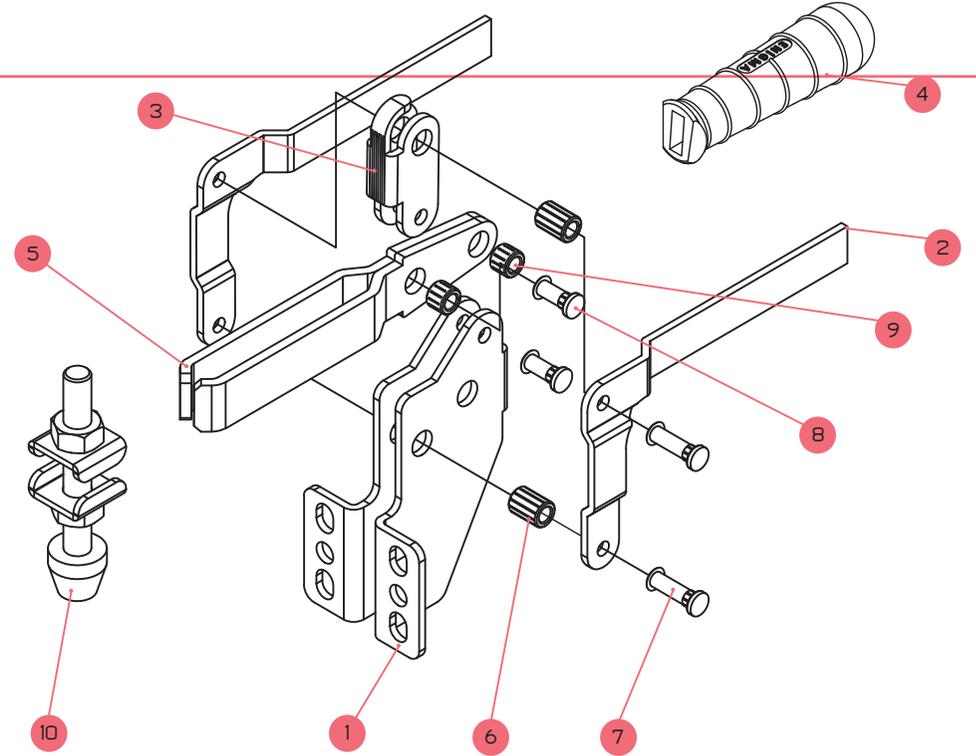
YATAY BAĞLANTI ELEMENLARI

Horizontal Toggle Clamps

A SERİ / A SERIES

Montaj Tipi: Alın Taban

Body Mounting Base: Side Ward



E PATLATILMIŞ
EXPLODE

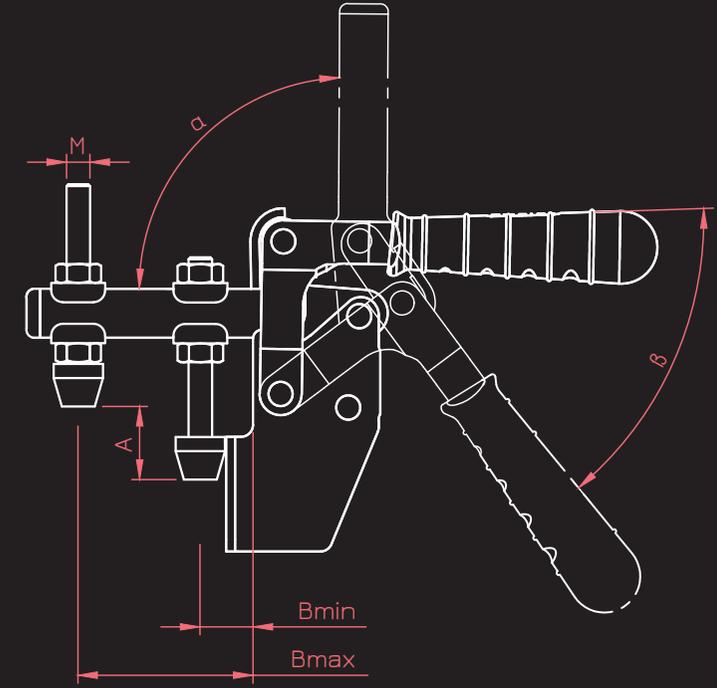
ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	A Gövde	2
2	Hareket Kolu	2
3	Mafsal	1
4	Tutamak	1
5	Baskı Kolu	2
6	Burc Uzun	2
7	Pim Uzun	2
8	Pim	2
9	Burc	2
10	Baskı Grubu	1

Görsellerde verilen ürün, model kodu farklılıklarına göre değişiklik gösterilebilir. / The product shown in the images may differ from some others depending on the model code differences.



AÇI ve HAREKET ANALİZİ ANGLE and MOTION ANALYSIS

MODEL	$\alpha^\circ(\pm 2^\circ)$	$\beta^\circ(\pm 2^\circ)$	A	Bmin	Bmax	M	AĞIRLIK KG (weight)
1202 A	96	64	32	8	32	M6x55	0,26
1203 A	97	58	28	11	42	M8x62	0,49
1204 A	115	64	33	20	78	M10x75	0,84
1205 A	120	67	37	22	100	M12x85	1,61

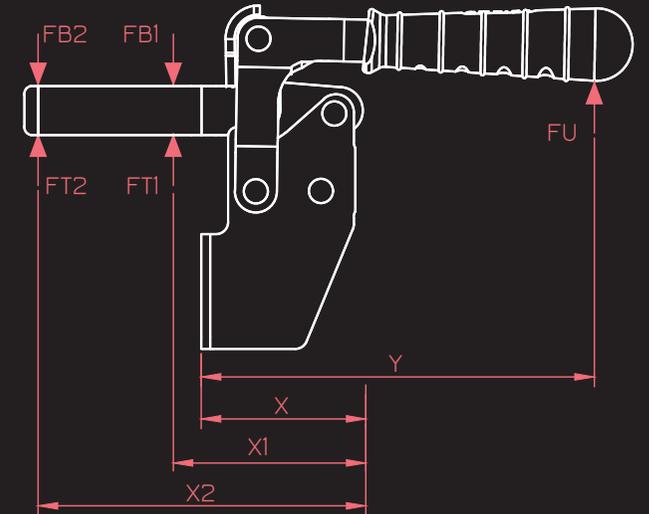


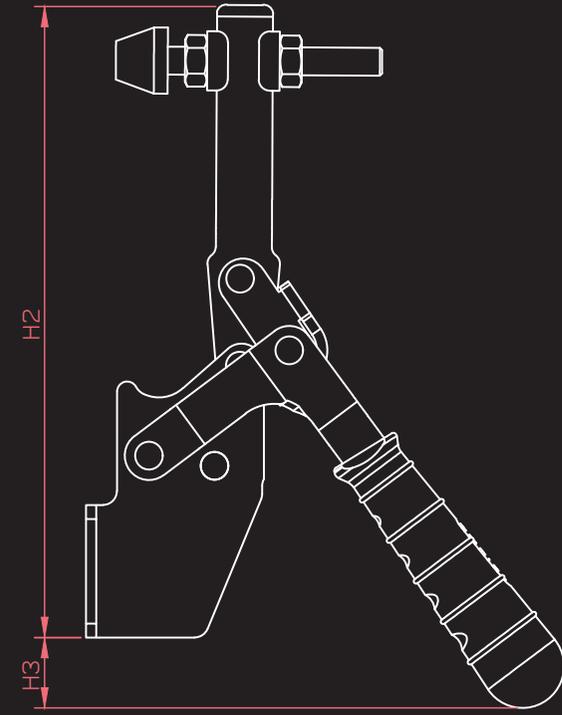
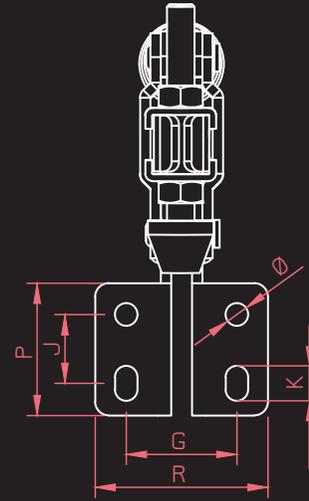
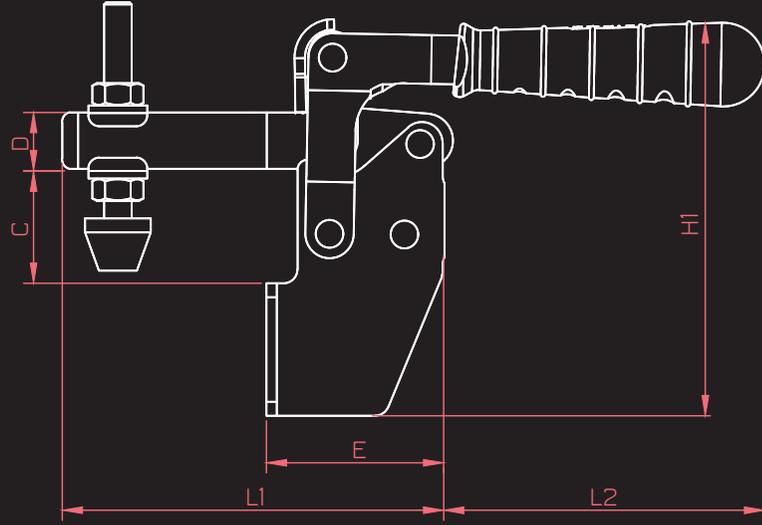
KUVVET ANALİZİ FORCE ANALYSIS

MODEL	X	X1	X2	Y	FT1(N)	FT2(N)	FB1(N)	FB2(N)	FB1:FU	FB2:FU
1202 A	48,5	52	71	152	1050	730	800	550	12:1	8:1
1203 A	55	58	100	130	2500	1575	2100	1450	12:1	8:1
1204 A	68	70	143	245	3300	2200	2900	1900	12:1	8:1
1205 A	88	97	175	284	4500	2600	4300	2200	12:1	8:1

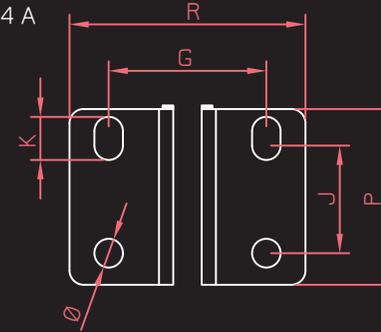
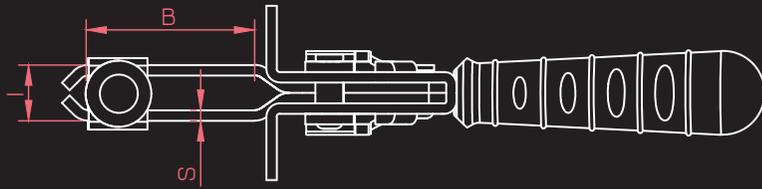
FT1-FT2: TUTMA KAPASİTESİ (HOLDING CAPACITY), FB1-FB2: BASKI KUVVETİ (CLAMPING FORCE),
FU: UYGULAMA KUVVETİ (APPLIED FORCE)

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice

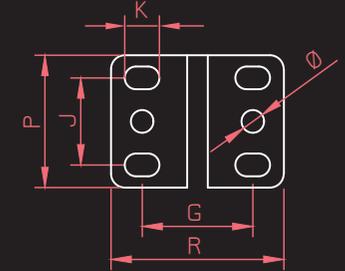




Model: 1203 A
1204 A



Model: 1205 A



Model: 1202 A



ÖLÇÜLENDİRME
DIMENSIONS

MODEL	B	C	D	E	G	H1	H2	H3	I	J	K	L1	L2	P	R	S	Ø
1202 A	27	50	10	45	23	120	156	0	12	18,5	5,3x9,3	77	62	32	40	2,5	5,3
1203 A	40	31	16	55	32	115	170	22	16	20	6,5x10	103	85	38	50	3	6,5
1204 A	74	45	20	68	37	149	235	23	20	29,5	8,5x12,5	156	93	48,5	58	4	8,5
1205 A	78	56	23	88	49	193	285	10	25	35,5	8,5x12,5	188	105	58	68	5	8,5



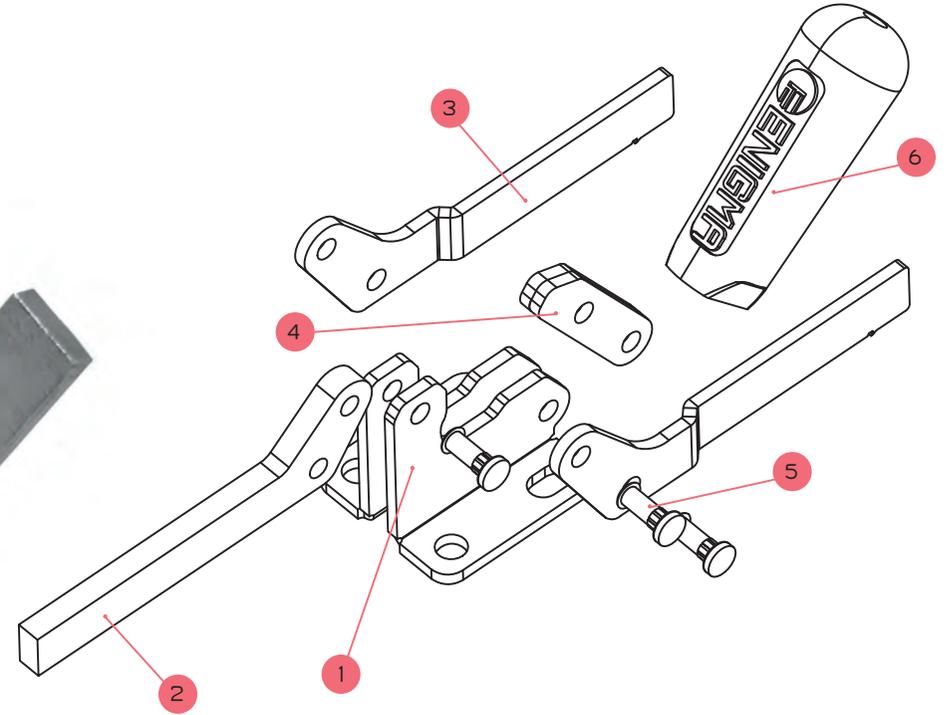
LAMALI YATAY BAĞLANTI ELEMENLARI

Horizontal Toggle Clamps
With Solid Arm

Y-L SERİ / Y-L SERIES

Montaj Tipi: Yatay Taban

Body Mounting Base: Horizontal



E PATLATILMIŞ
EXPLODE

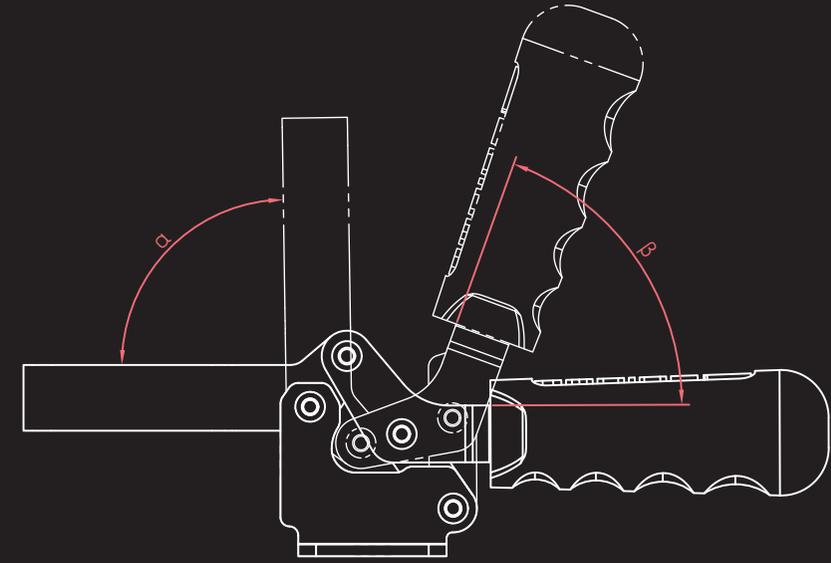
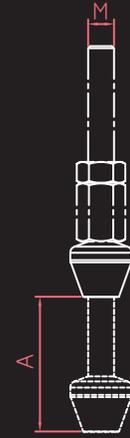
ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	Y Gövde	2
2	Lamalı Baskı Kolu	1
3	Hareket Kolu	2
4	Mafsal	1
5	Perçin	4
6	Tutamak	1

Görsellerde verilen ürün, model kodu farklılıklarına göre değişiklik gösterilebilir. / The product shown in the images may differ from some others depending on the model code differences.



AÇI ve HAREKET ANALİZİ ANGLE and MOTION ANALYSIS

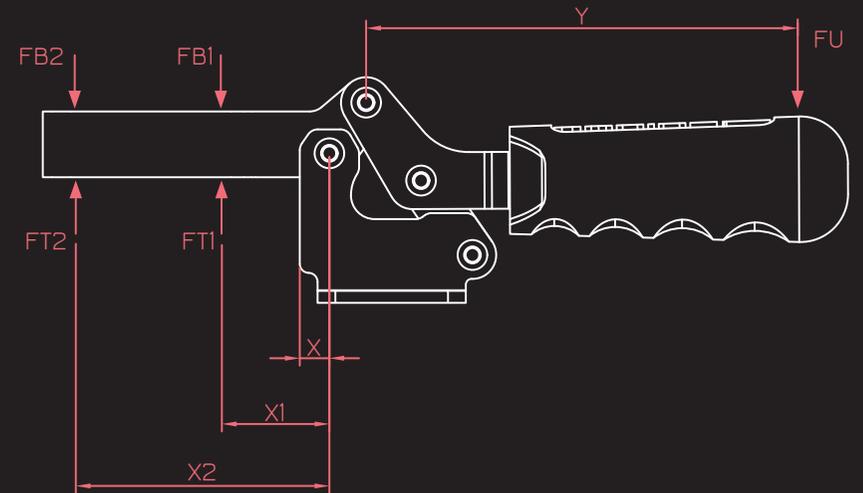
MODEL	$\alpha (\pm 2^\circ)$	$\beta (\pm 2^\circ)$	A	B min	B max	M	AĞIRLIK KG (weight)
1201 Y-L	93	73	20	9	38	M5x35	0,11
1202 Y-L	89	80	30	18	55	M6x55	0,17
1203 Y-L	87	67	31	23	62	M8x62	0,28



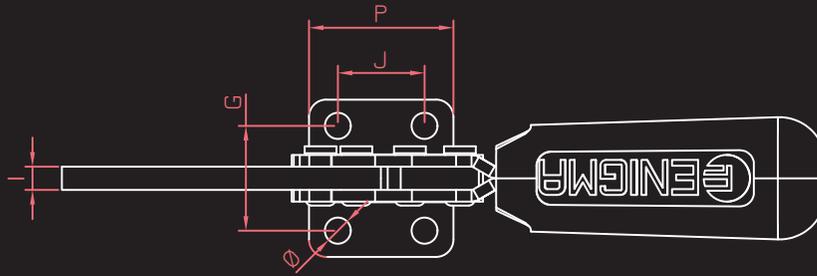
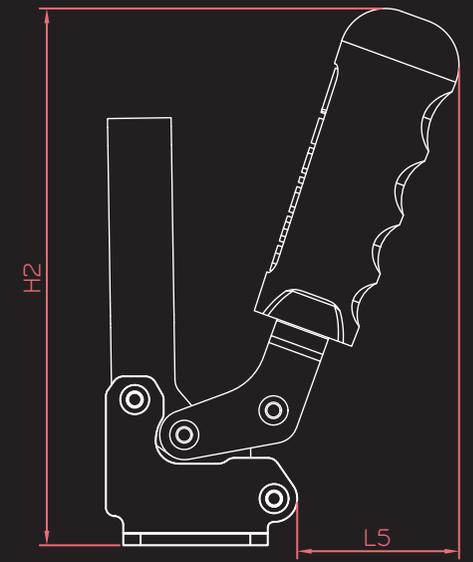
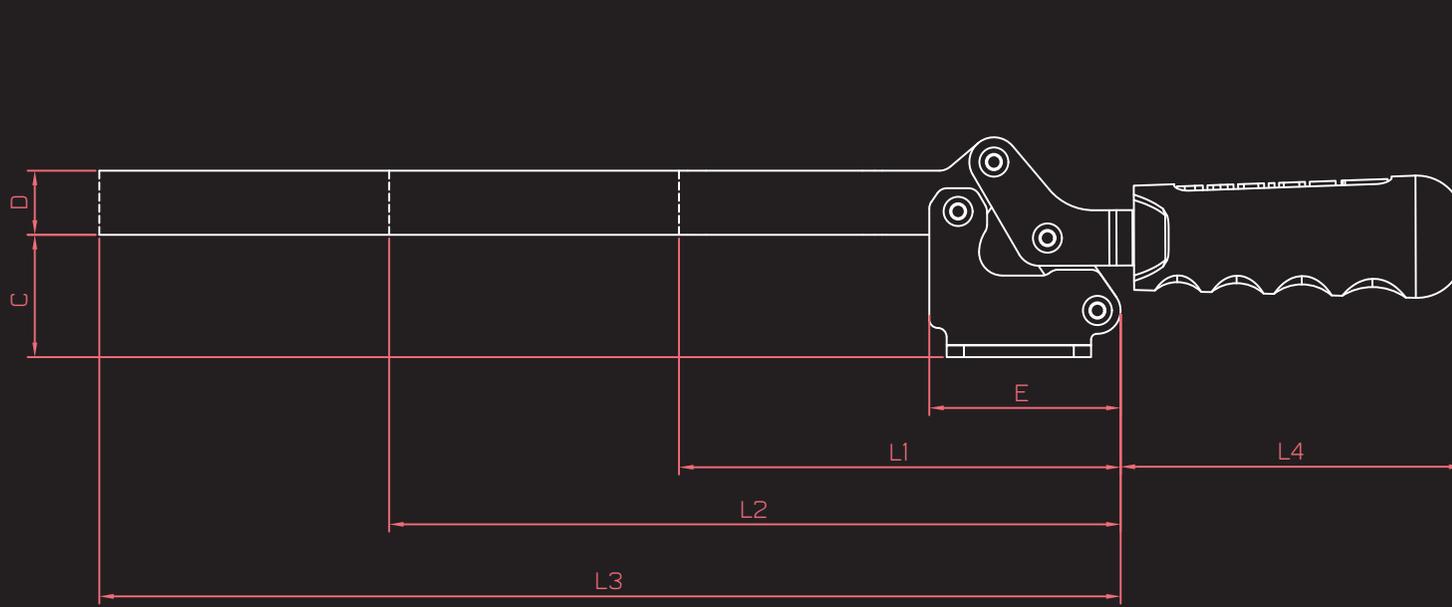
KUVVET ANALİZİ FORCE ANALYSIS

MODEL	X	X1	X2	Y	FT1(N)	FT2(N)	FB1(N)	FB2(N)	FB1:FU	FB2:FU
1201 Y-L	5	17	46	74	950	750	850	620	7:1	3:1
1202 Y-L	6,25	20	60	80	1100	900	1000	770	7:1	3:1
1203 Y-L	7	33	71	97	1220	950	1100	950	8:1	4:1

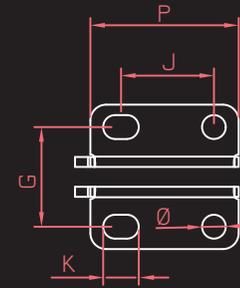
FT1-FT2: TUTMA KAPASİTESİ (HOLDING CAPACITY), FB1-FB2: BASKI KUVVETİ (CLAMPING FORCE),
FU: UYGULAMA KUVVETİ (APPLIED FORCE)



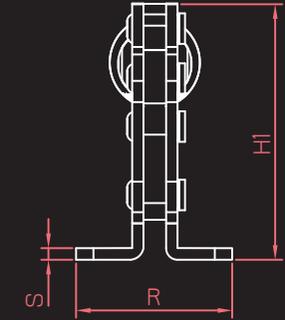
Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice



Model: 1201 Y-L
1203 Y-L



Model: 1202 Y-L



E ÖLÇÜLENDİRME
DIMENSIONS

MODEL	C	D	E	G	H1	H2	I	J	K	L1	L2	L3	L4	L5	P	R	S	Ø
1201 Y-L	21	11	33	18	38	74	4	15	-	84	114	144	59	20	25	27	2	4,5
1202 Y-L	26,25	13	41,5	25	48	98	5	23,5	6x9	130	160	190	60	23	37,5	36,25	2,5	6
1203 Y-L	38	13	45	26,5	51	127	6	27	-	120	150	180	75	45	41	40	3	6

* L kol boyu için özel üretime uygun sipariş verebilirsiniz. / *This item is available upon request

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir / Dimensions and technical information are subject to change without notice



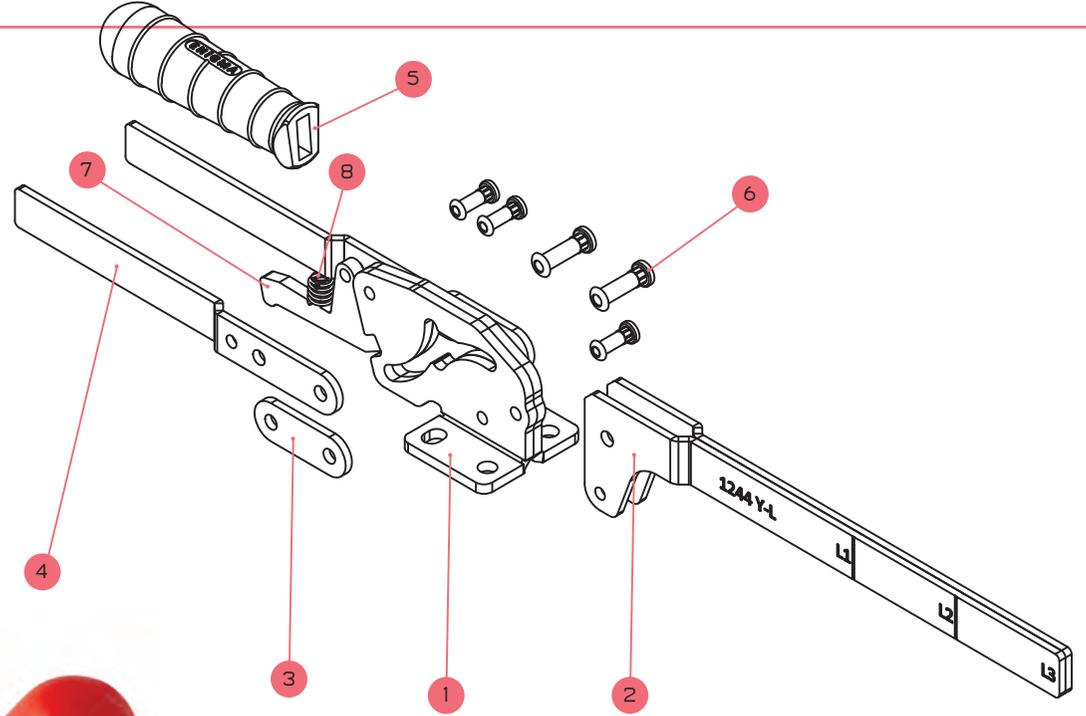
YATAY BAĞLANTI ELEMENLARI

Horizontal Toggle Clamps

Y-L SERİ / Y-L SERIES

Montaj Tipi: Yatay Taban

Body Mounting Base: Horizontal



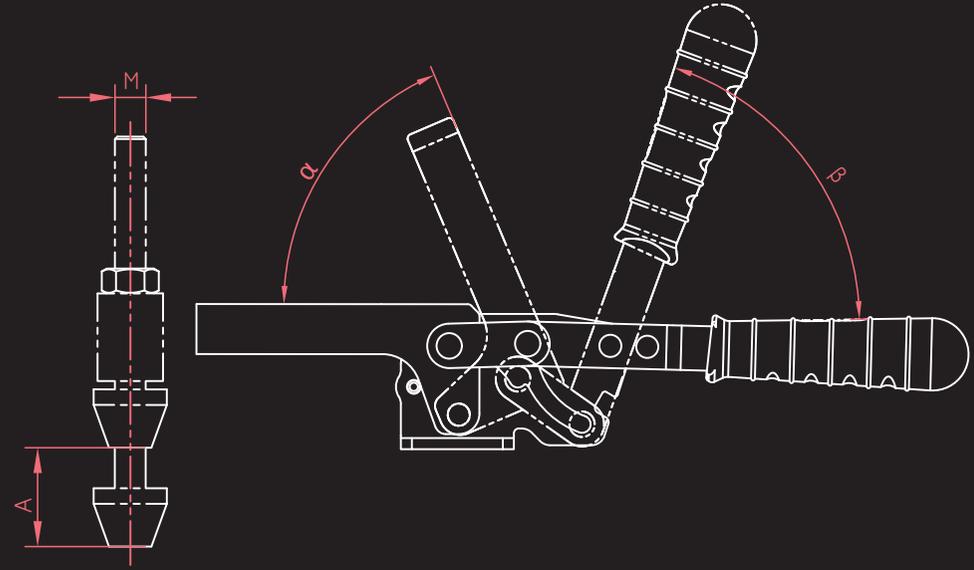
E PATLATILMIŞ
EXPLODE

ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	Y Gövde	2
2	Baskı Kolu	2
3	Mafsal	2
4	Hareket kolu	2
5	Tutamak	1
6	Pim	5
7	Kilit Kolu	1
8	Yay	1



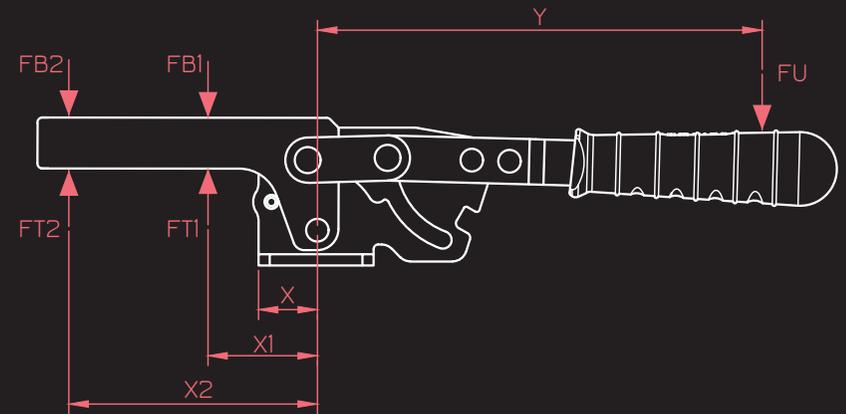
AÇI ve HAREKET ANALİZİ ANGLE and MOTION ANALYSIS

Model	Kilitli Safety Latch	$\alpha^{\circ}(+ -2^{\circ})$	$\beta^{\circ}(+ -2^{\circ})$	A	B min	B max	M	AĞIRLIK KG (weight)
1234 Y-L	1244 Y-L	67°	70°	25	15	67	M8	0,62
1235 Y-L	1245 Y-L	68°	65°	32	20	97	M10	1,36



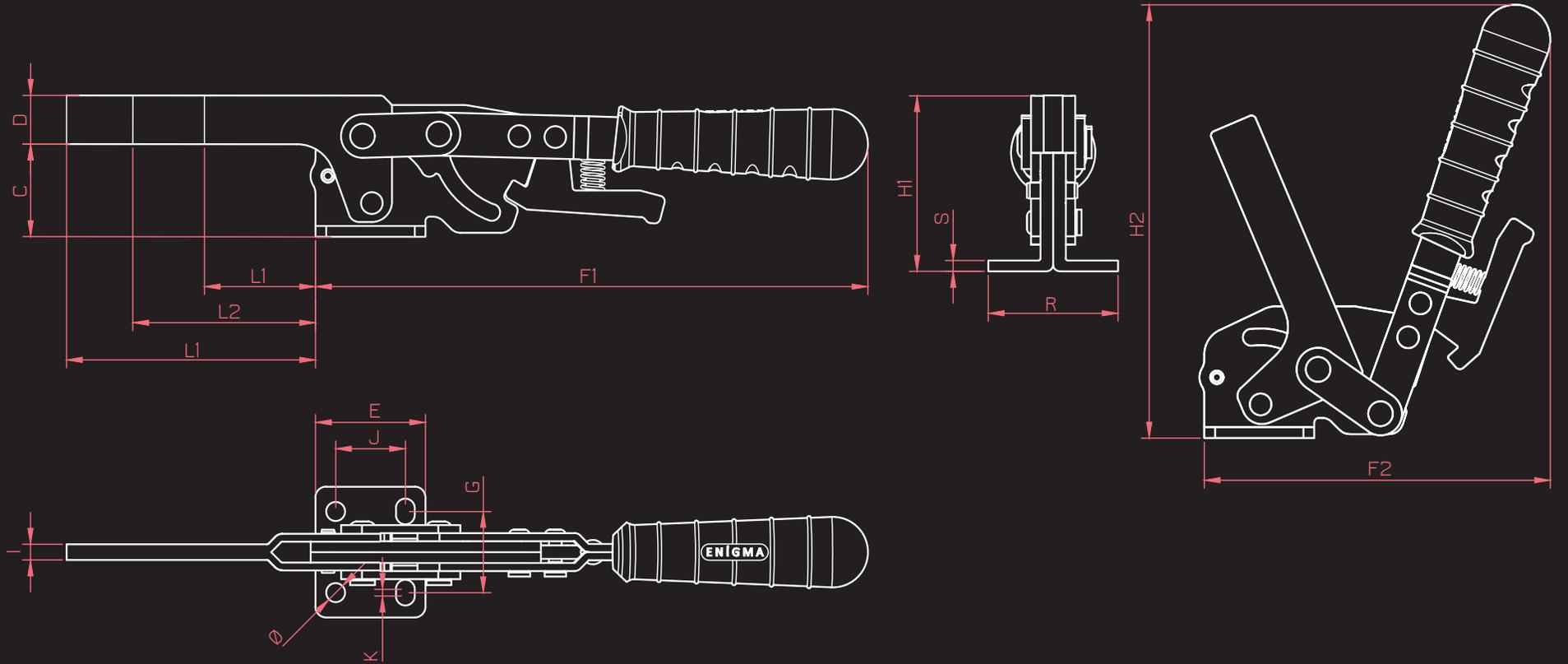
KUVVET ANALİZİ FORCE ANALYSIS

Model	Kilitli Safety Latch	X	X1	X2	Y	FT1 (N)	FT2 (N)	FB1 (N)	FB2 (N)	FB1:FU	FB2:FU
1234 Y-L	1244 Y-L	21	15	65	162	3650	2050	3420	1980	8:1	5:1
1235 Y-L	1245 Y-L	30	45	1198	185	7250	3040	6500	2950	10:1	5:1



FT1-FT2: TUTMA KAPASİTESİ (HOLDING CAPACITY), FB1-FB2: BASKI KUVVETİ (CLAMPING FORCE),
FU: UYGULAMA KUVVETİ (APPLIED FORCE)

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice



ÖLÇÜLENDİRME
DIMENSIONS

Model	Kilitli Safety Latch	C	D	E	F1	F2	G	H1	H2	I	J	K	L1	L2	L3	R	S	Ø
1234 Y-L	1244 Y-L	34	18	41	206	129	30	56	160	8	26	2,5	98	150	199	48,5	4	7
1235 Y-L	1245 Y-L	47	20	60	241	169	40	78	178	10	41,5	3	111	162	212	60	5	8,5

* L kol boyu için özel üretime uygun sipariş verebilirsiniz. / *This item is available upon request

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir / Dimensions and technical information are subject to change without notice

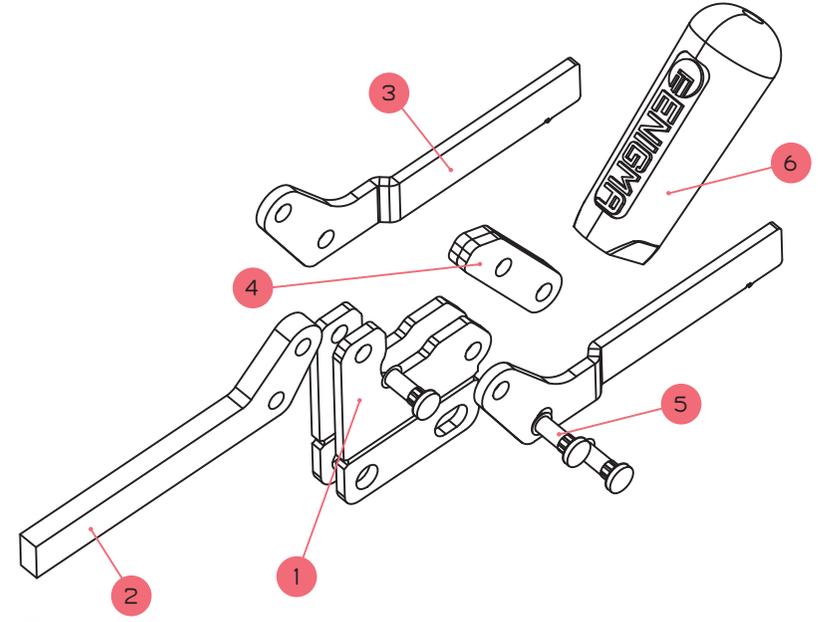


LAMALI YATAY BAĞLANTI ELEMENLARI

Horizontal Toggle Clamps
With Solid Arm

D-L SERİ
/ D-L SERIES

Montaj Tipi: Dikey Taban
Body Mounting Base: Vertical



E PATLATILMIŞ
EXPLODE

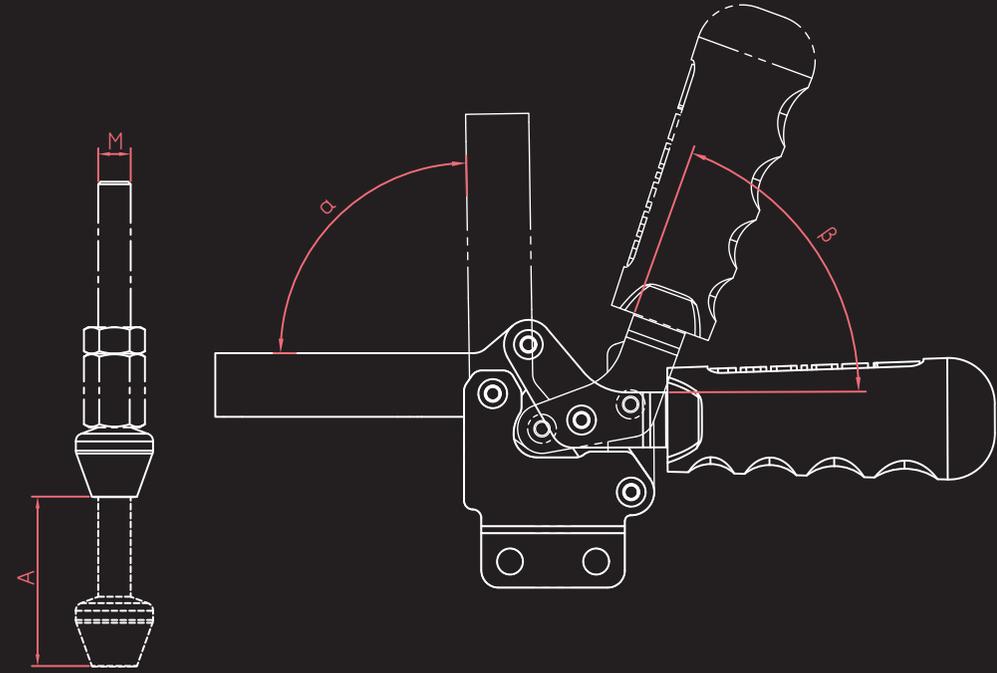
ÖGE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	D Gövde	2
2	Lama Baskı Kolu	1
3	Hareket Kolu	2
4	Mafsal	1
5	Perçin	4
6	Tutamak	1

Görsellerde verilen ürün, model kodu farklılıklarına göre değişiklik gösterilebilir. / The product shown in the images may differ from some others depending on the model code differences.



AÇI ve HAREKET ANALİZİ ANGLE and MOTION ANALYSIS

MODEL	$\alpha (\pm 2^\circ)$	$\beta (\pm 2^\circ)$	A	B min	B max	M	AĞIRLIK KG (weight)
1201 D-L	93	73	20	9	38	M5x35	0,11
1202 D-L	89	80	30	18	55	M6x55	0,17
1203 D-L	87	67	31	23	62	M8x62	0,28

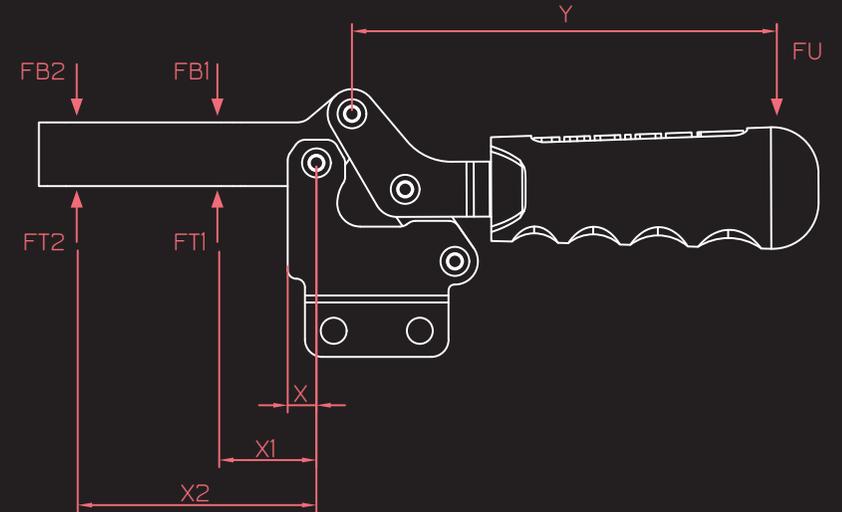


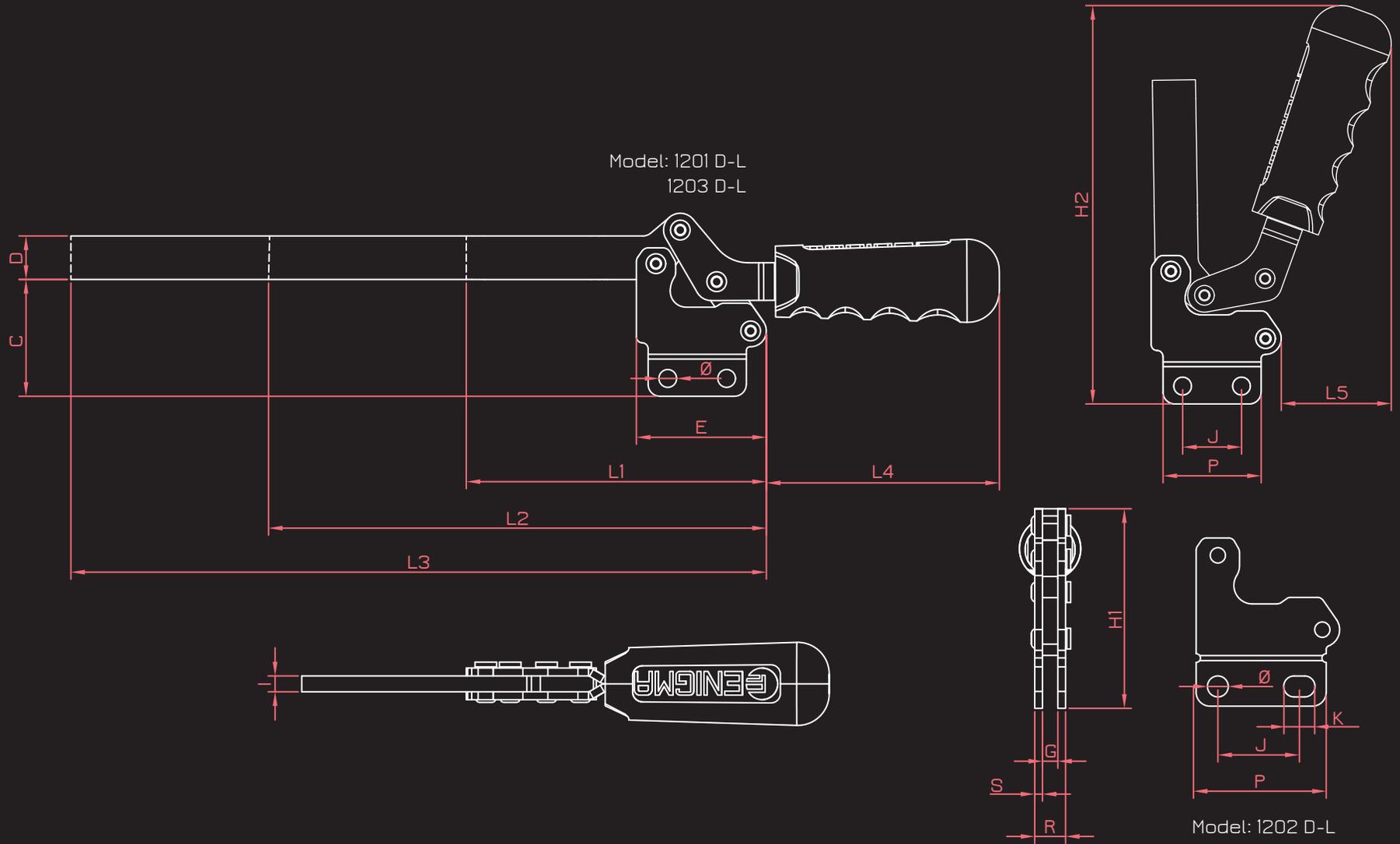
KUVVET ANALİZİ FORCE ANALYSIS

MODEL	X	X1	X2	Y	FT1(N)	FT2(N)	FB1(N)	FB2(N)	FB1:FU	FB2:FU
1201 D-L	5	17	46	74	950	750	850	620	7:1	3:1
1202 D-L	6,25	20	60	80	1100	900	1000	770	7:1	3:1
1203 D-L	7	33	71	97	1220	950	1100	950	8:1	4:1

FT1-FT2: TUTMA KAPASİTESİ (HOLDING CAPACITY), FB1-FB2: BASKI KUVVETİ (CLAMPING FORCE),
FU: UYGULAMA KUVVETİ (APPLIED FORCE)

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice





ÖLÇÜLENDİRME
DIMENSIONS

MODEL	C	D	E	G	H1	H2	I	J	K	L1	L2	L3	L4	L5	P	R	S	Ø
1201 D-L	29,5	11	33	4	38	74	4	15	-	84	114	144	59	20	25	8	2	4,5
1202 D-L	38	13	41,5	5	48	98	5	22-25	6x9	130	160	190	60	23	37,5	10	2,5	6
1203 D-L	51	13	45	6	51	127	6	27	-	120	150	180	75	45	41	12	3	6

* L kol boyu için özel üretime uygun sipariş verebilirsiniz. / *This item is available upon request.

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir / Dimensions and technical information are subject to change without notice.



YATAY BAĞLANTI ELEMENLARI

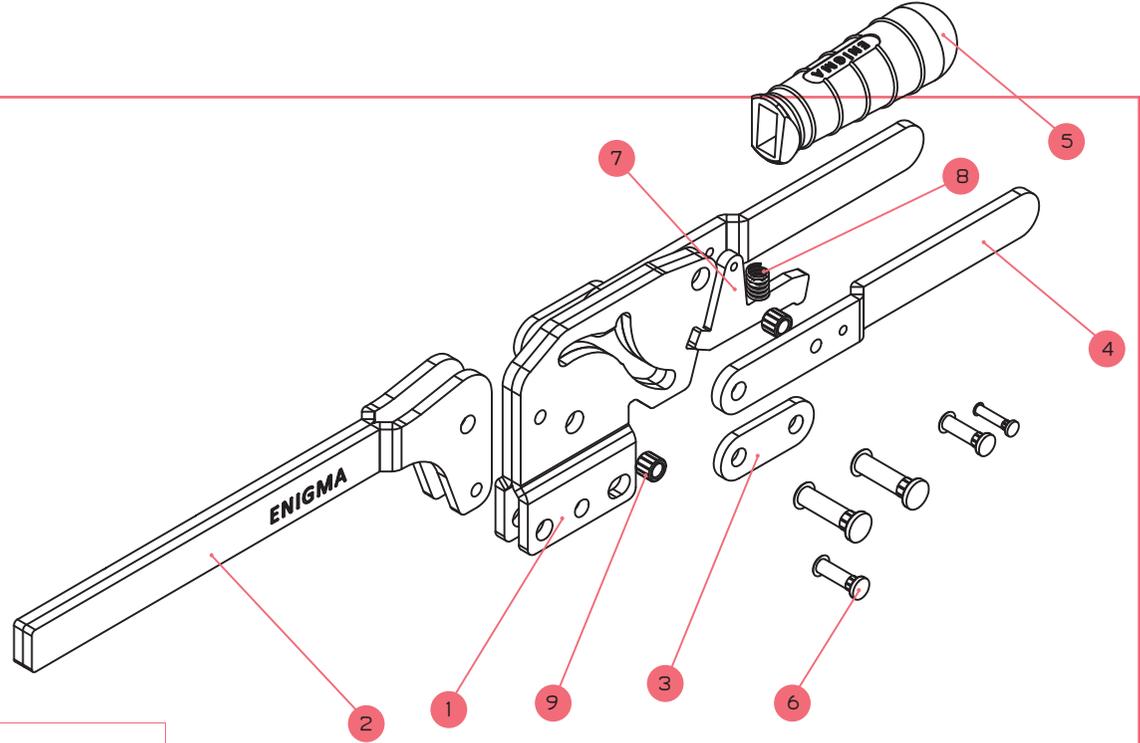
Horizontal Toggle Clamps

D-L SERİ / D-L SERIES

Montaj Tipi: Dikey Taban
Body Mounting Base: Vertical

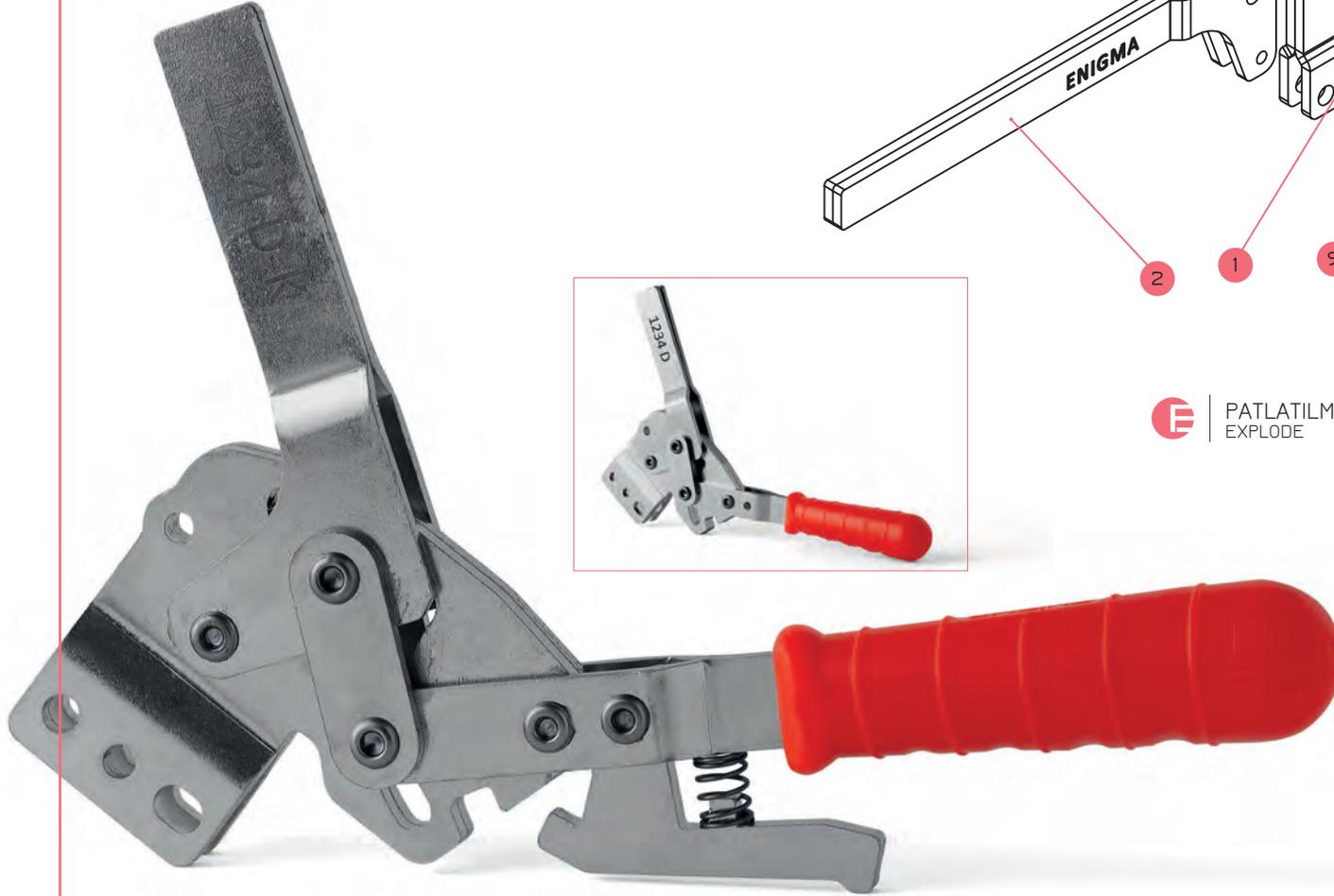


ENIGMA
clamp



E | PATLATILMIŞ
EXPLODE

ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	D Gövde	2
2	Baskı Kolu	2
3	Mafsal	2
4	Hareket kolu	2
5	Tutamak	1
6	Pim	5
7	Kilit kolu	1
8	Yay	1
9	Burc	1

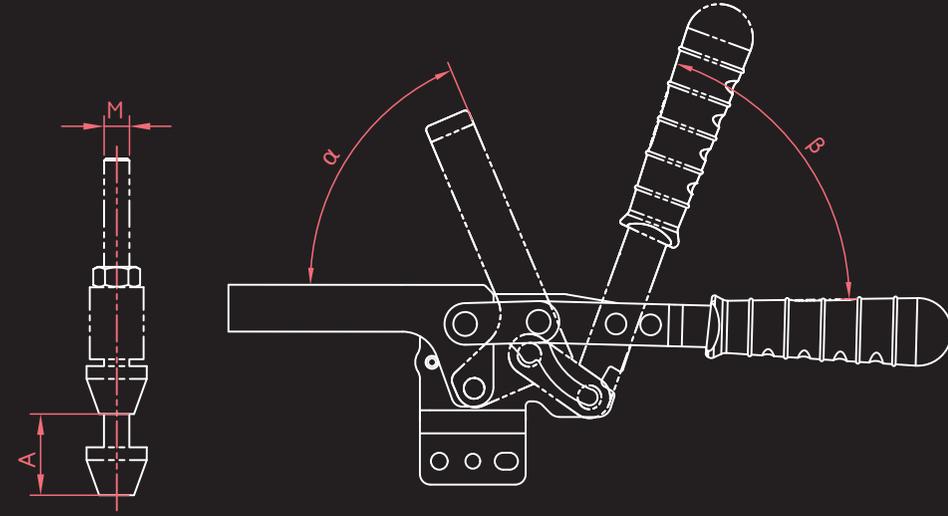


Görsellerde verilen ürün, model kodu farklılıklarına göre değişiklik gösterilebilir. / The product shown in the images may differ from some others depending on the model code differences.



AÇI ve HAREKET ANALİZİ ANGLE and MOTION ANALYSIS

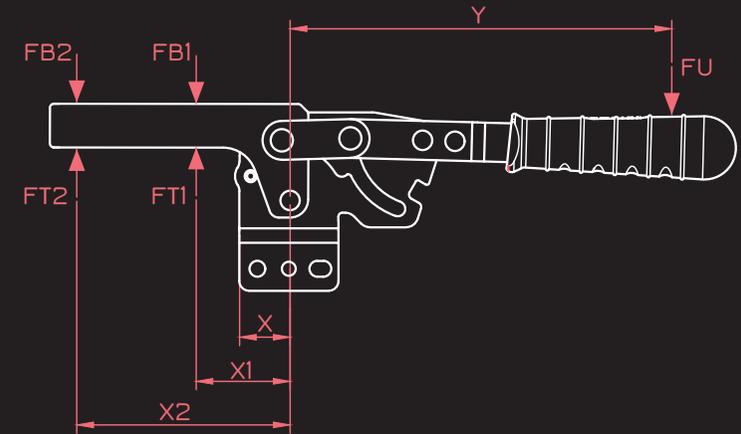
MODEL	Kilitli Safety Latch	$\alpha^\circ (\pm 2^\circ)$	$\beta^\circ (\pm 2^\circ)$	A	Bmin	Bmax	M	AĞIRLIK KG (weight)
1234 D-L	1244 D-L	67°	70°	25	15	67	M8	0,62
1235 D-L	1245 D-L	68°	65°	32	20	97	M10	1,36



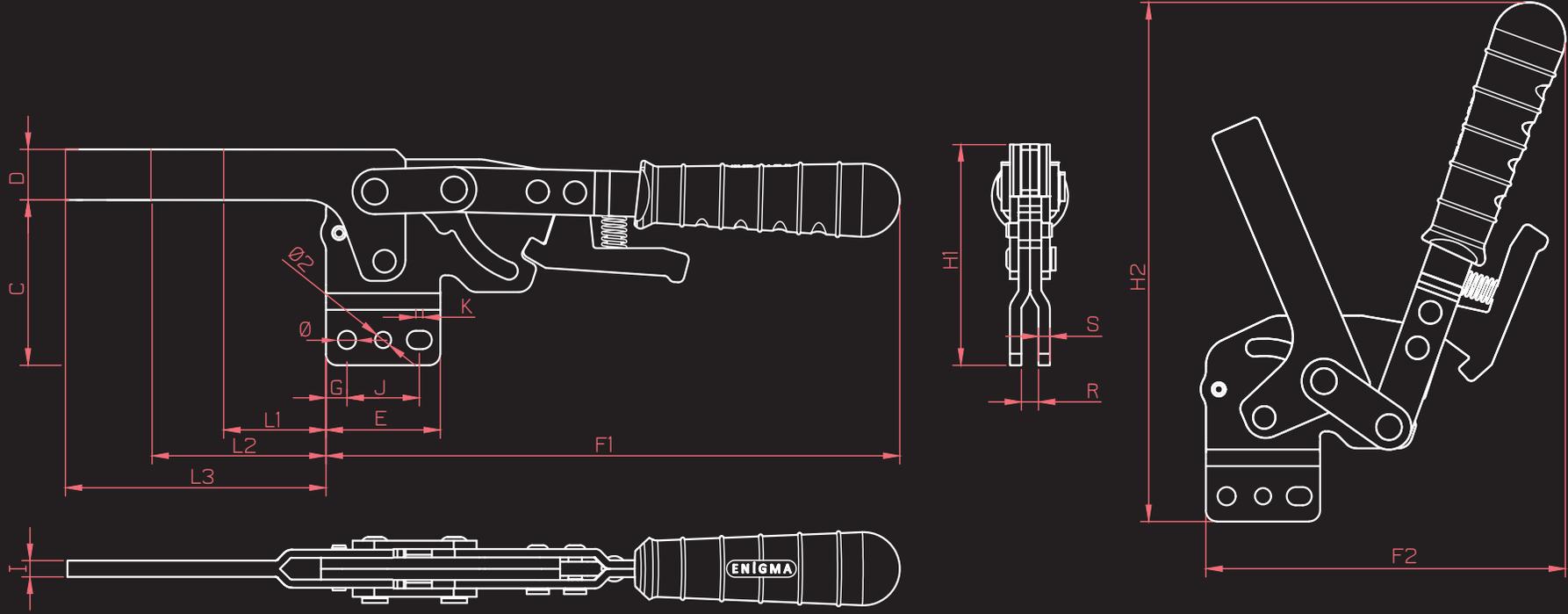
KUVVET ANALİZİ FORCE ANALYSIS

MODEL	Kilitli Safety Latch	X	X1	X2	Y	FT1(N)	FT2(N)	FBI(N)	FB2(N)	FU	FB1:FU	FB2:FU
1234 D-L	1244 D-L	21	15	65	162	3650	2050	3420	1980	8:1	5:1	
1235 D-L	1245 D-L	30	45	118	185	7250	3040	6500	2950	10:1	5:1	

FT1-FT2: TUTMA KAPASİTESİ (HOLDING CAPACITY), FBI-FB2: BASKI KUVVETİ (CLAMPING FORCE),
FU: UYGULAMA KUVVETİ (APPLIED FORCE)



Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice



ÖLÇÜLENDİRME DIMENSIONS

MODEL	Kilitli Safety Latch	C	D	E	F1	F2	G	H1	H2	I	J	K	L1	L2	L3	R	S	Ø	Ø2
1234 D-L	1244 D-L	59	18	41	206	129	7,5	77	160	8	26	2,5	100	150	200	6	4	7	5,8
1235 D-L	1245 D-L	79	20	60	241	169	9,2	109	178	10	41,5	3	112	162	212	8	5	8,5	7,8

* L kol boyu için özel üretime uygun sipariş verebilirsiniz. / *This item is available upon request

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir / Dimensions and technical information are subject to change without notice



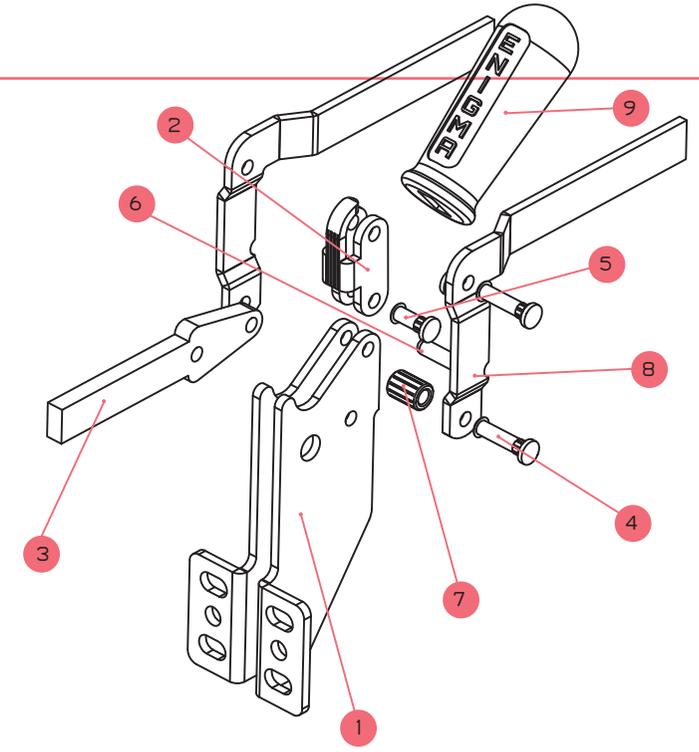
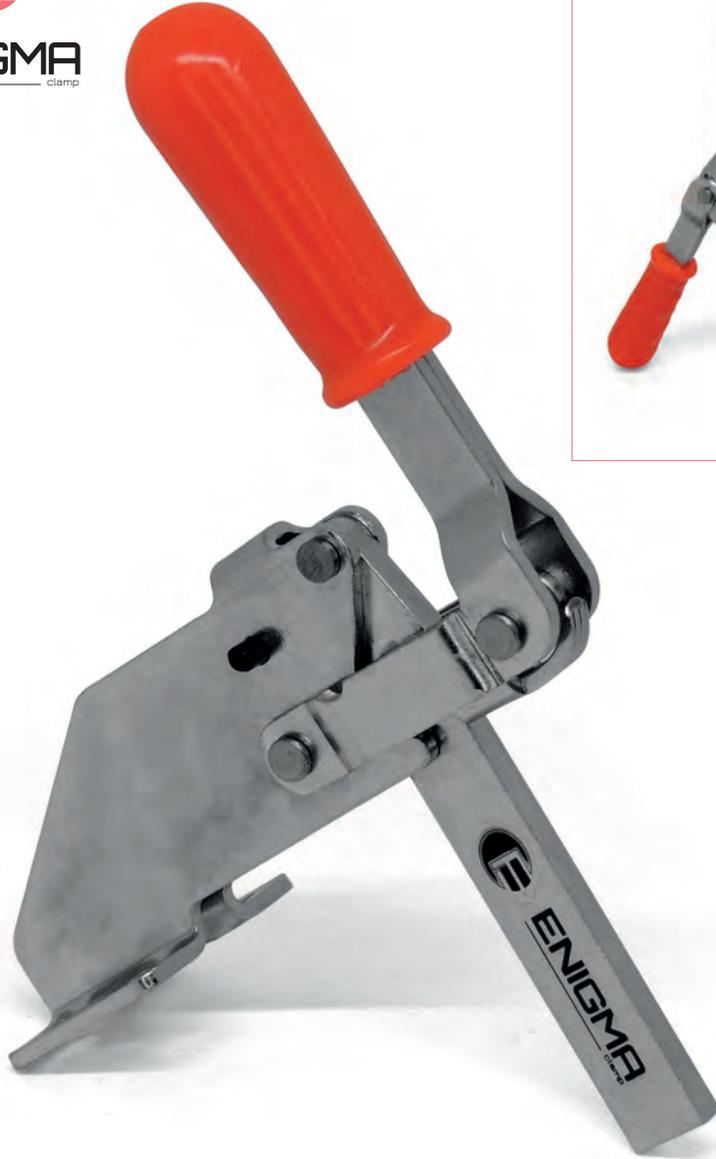
YATAY BAĞLANTI ELEMENLARI

Horizontal Toggle Clamps

A-L SERİ / A-L SERIES

Montaj Tipi: Alın Taban

Body Mounting Base: Side Ward



PATLATILMIŞ
EXPLODE

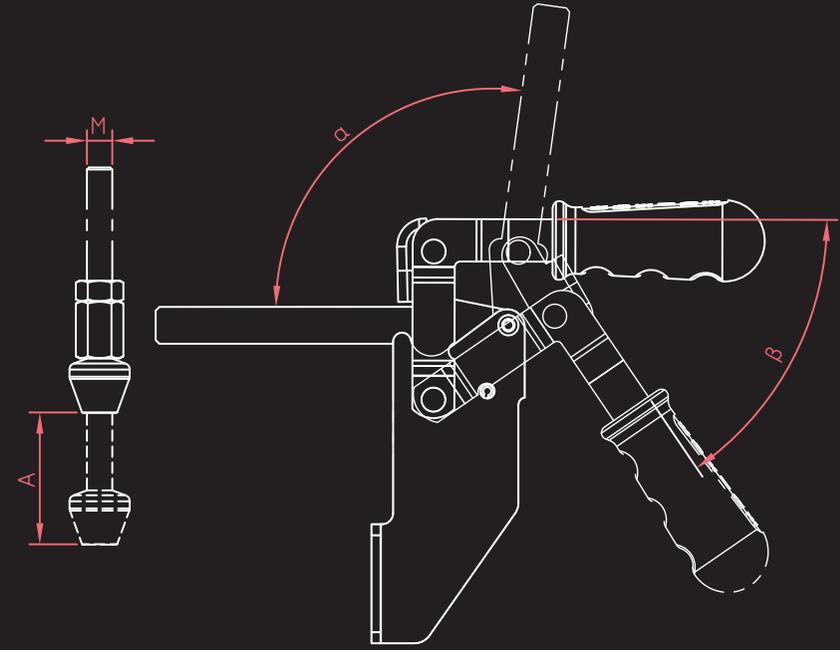
ÖGE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	A Gövde	2
2	Mafsal	1
3	Lama BAskı Kolu	1
4	Perçin	2
5	Perçin	2
6	Yarıklı Pim	1
7	Burç	1
8	Hareket Kolu	2
9	Tutamak	1

Görsellerde verilen ürün, model kodu farklılıklarına göre değişiklik gösterilebilir. / The product shown in the images may differ from some others depending on the model code differences.



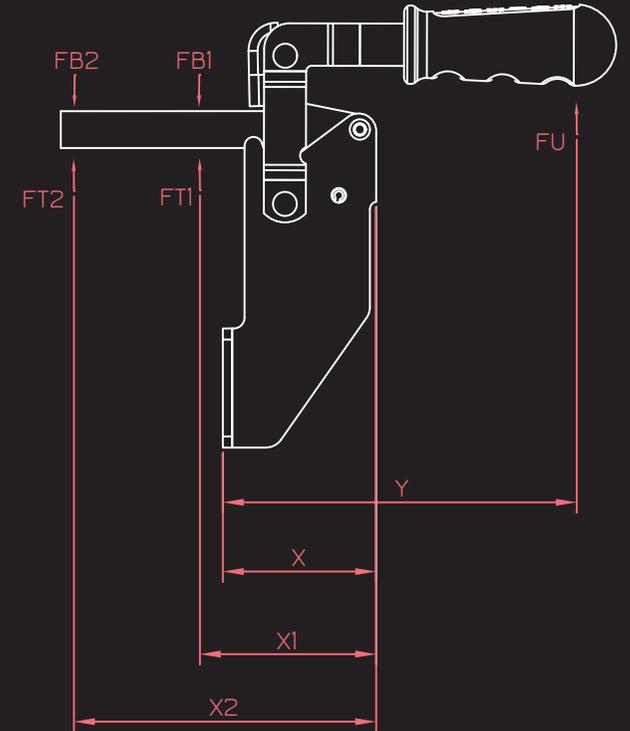
AÇI ve HAREKET ANALİZİ ANGLE and MOTION ANALYSIS

MODEL	α ($\pm 2^\circ$)	β ($\pm 2^\circ$)	A	B min	B max	M	AĞIRLIK KG (weight)
1202 A-L	96	64	32	8	32	M5X34	0,28
1203 A-L	97	58	28	11	42	M6x53	0,51
1204 A-L	115	64	33	20	78	M8x60	0,85
1205 A-L	120	67	37	22	100	M10x76	1,62



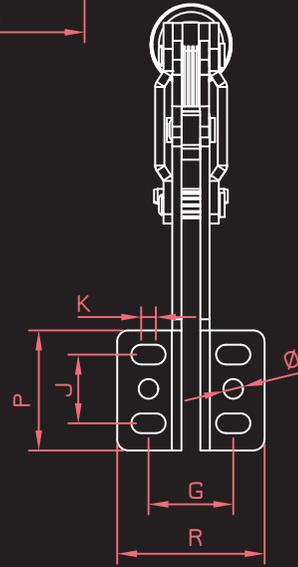
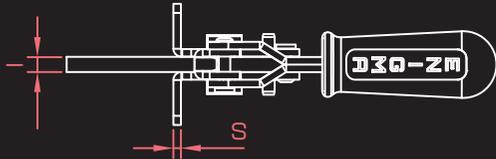
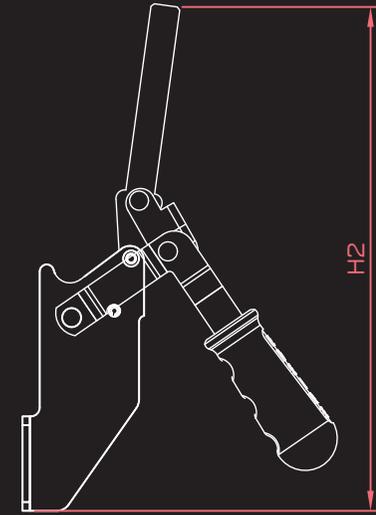
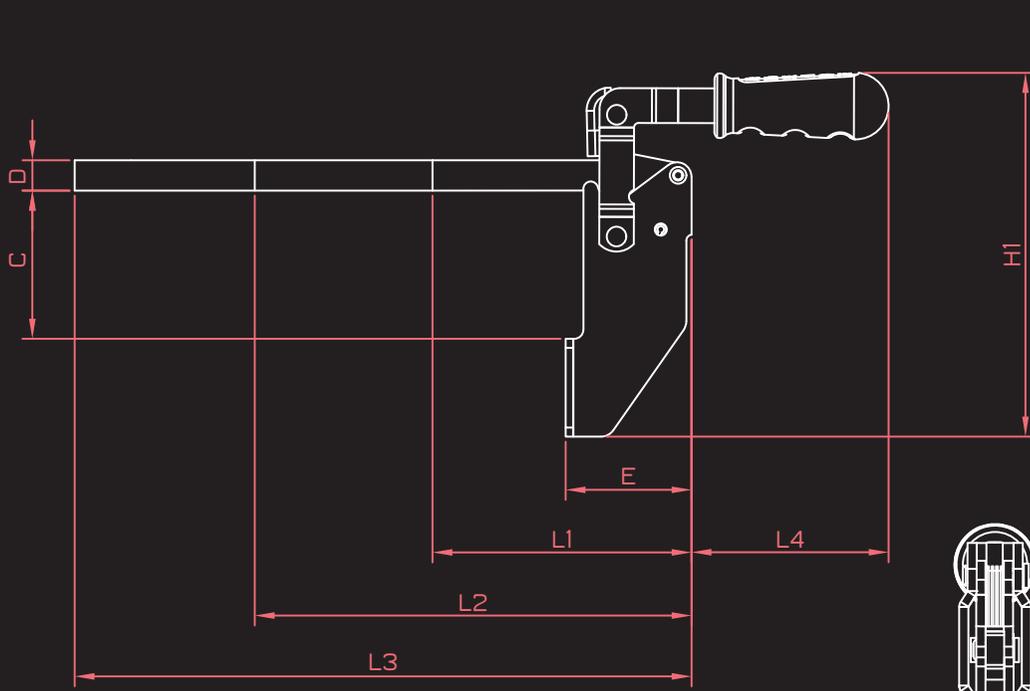
KUVVET ANALİZİ FORCE ANALYSIS

MODEL	X	X1	X2	Y	FT1(N)	FT2(N)	FB1(N)	FB2(N)	FB1:FU	FB2:FU
1202 A-L	48,5	56	74	152	1050	730	800	550	12:1	8:1
1203 A-L	55	63	106	130	2500	1575	1100	1450	12:1	8:1
1204 A-L	68	78	148	245	3300	2200	2900	1900	12:1	8:1
1205 A-L	88	105	182	284	4500	2600	4300	2200	12:1	8:1

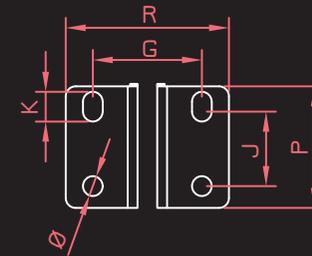


FT1-FT2: TUTMA KAPASİTESİ (HOLDING CAPACITY), FB1-FB2: BASKI KUVVETİ (CLAMPING FORCE),
FU: UYGULAMA KUVVETİ (APPLIED FORCE)

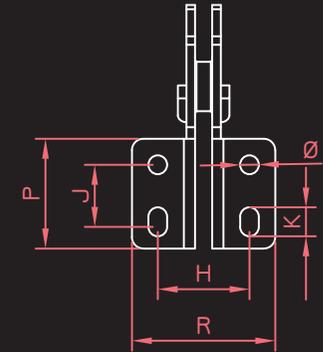
Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice



Model: 1202 A-L



Model: 1205 A-L



Model: 1203 A-L
1204 A-L

ÖLÇÜLENDİRME
DIMENSIONS

MODEL	C	D	E	G	H1	H2	I	J	K	L1	L2	L3	L4	P	R	S	Ø
1202 A-L	50	10	45	23	120	170	5	18,5	5,3x9,3	78	128	178	65	32	40	2,5	5,3
1203 A-L	31	16	55	32	115	190	6	20	6,5x10	100	150	200	85	38	50	3	6,5
1204 A-L	45	20	68	37	149	255	8	29,5	8,5x12,5	151	200	250	90	48,5	58	4	8,5
1205 A-L	56	23	88	49	193	300	10	35,5	8,5x12,5	185	235	285	110	58	68	5	8,5

* L kol boyu için özel üretime uygun sipariş verebilirsiniz. / *This item is available upon request

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir / Dimensions and technical information are subject to change without notice

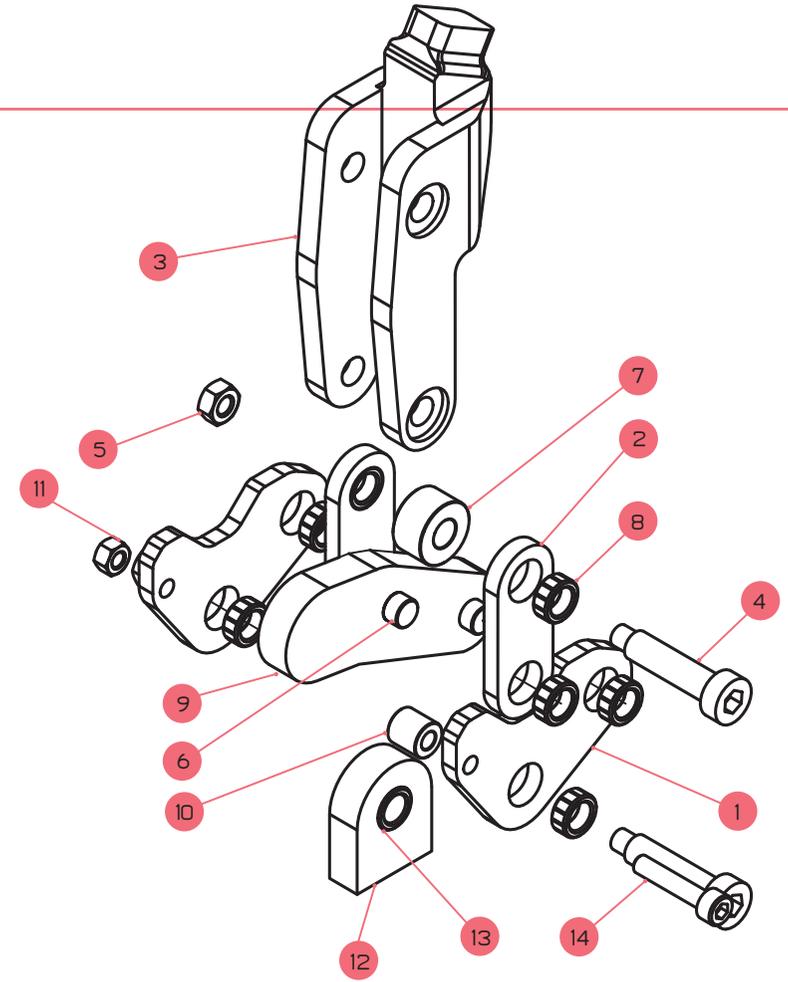
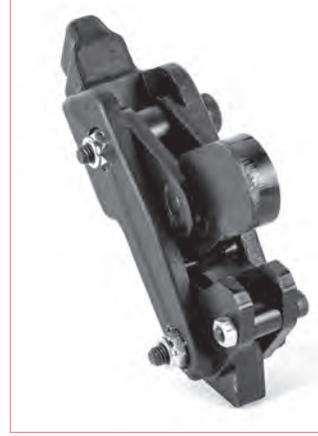


MODÜLER BAĞLANTI ELEMANI

Modular Toggle Clamps

U SERİ / U SERIES

Montaj Tipi:
Dikey Oynar Tabanlı
Body Mounting Base:
Vertical Moving



E PATLATILMIŞ
EXPLODE

ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY	ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	U Gövde	2	8	Burç	8
2	Mafsal	2	9	U Gövde Baskı Laması	1
3	Dövme Mafsal	1	10	Burç	1
4	Yay Askı Civatası	2	11	Somun	1
5	Fiberli Somun	2	12	Kaynak Gövdesi	1
6	Tırtıllı Pim	2	13	Burç	1
7	Yüzük	1	14	İmbus Civata	1

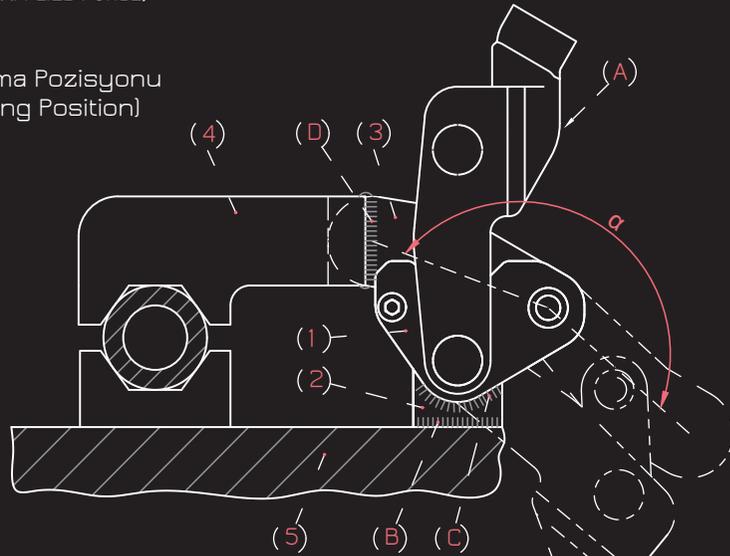


AÇI, HAREKET ve KUVVET ANALİZİ
ANGLE, MOTION and FORCE ANALYSIS

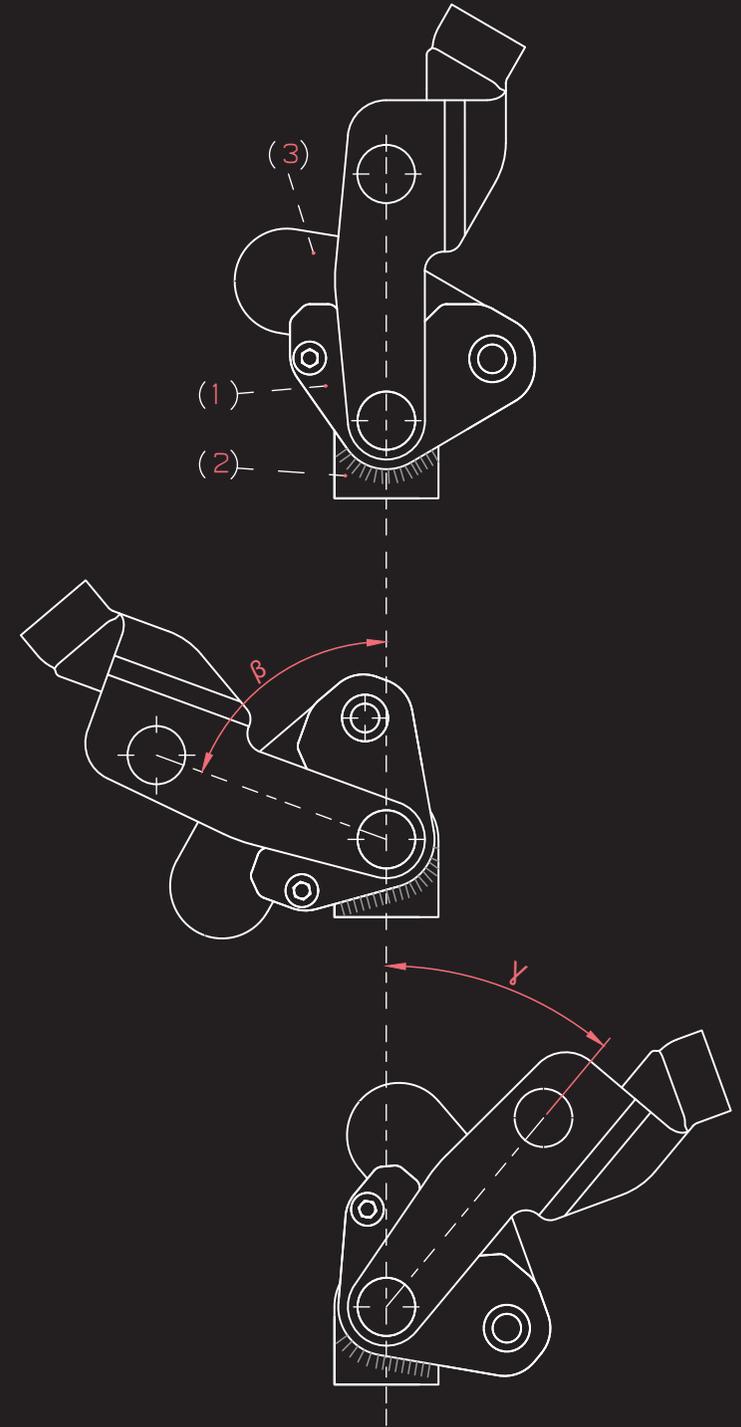
MODEL	$\alpha^{\circ}(\pm 3^{\circ})$	β°	γ°	Max.Holding Capacity (N)	Ağırlık (Kg) (Weight)
1503 U	200°	70°	40°	7000	0,96
1505 U	200°	70°	40°	11000	1,6

FT:TUTMA KAPASİTESİ (HOLDING CAPACITY), FB: BASKI KUVVETİ (CLAMPING FORCE), FU: UYGULAMA KUVVETİ (APPLIED FORCE)

Sıkıştırma Pozisyonu
(Clamping Position)



Açık Pozisyon
(Open Position)



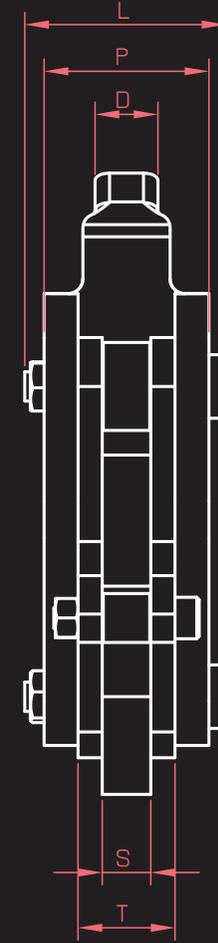
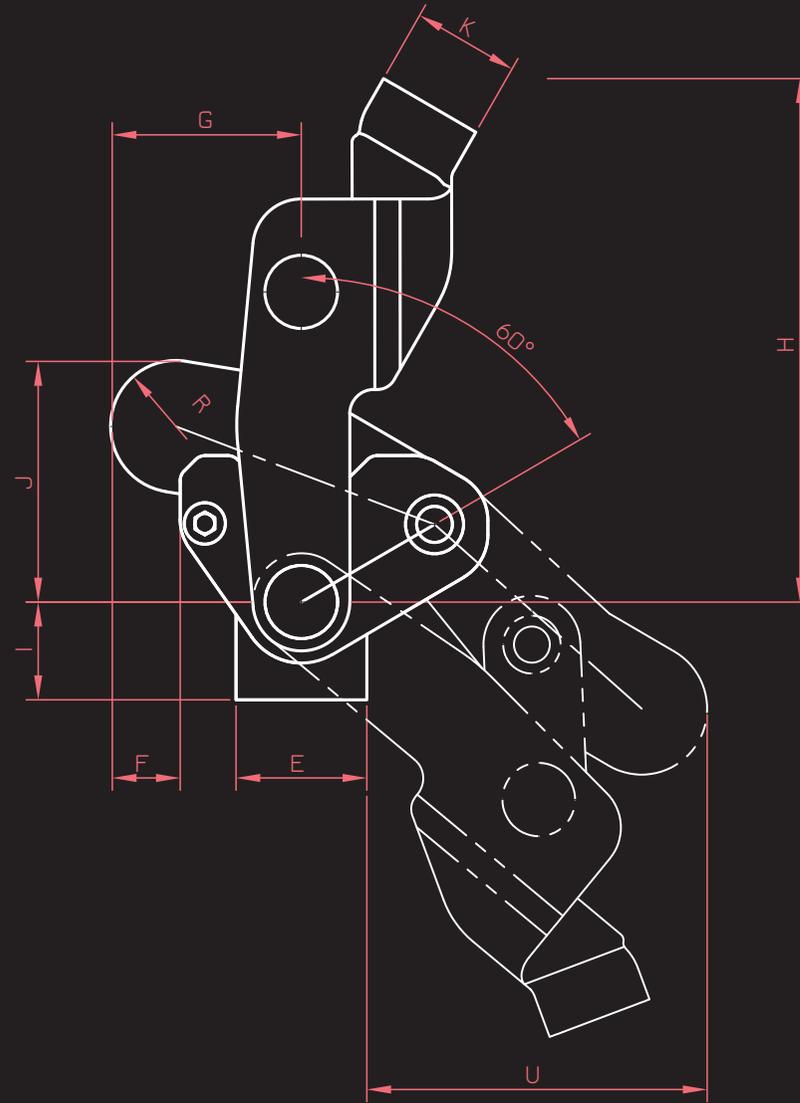
Montaj Talimatı

- A- Modüler Clampin konumlamasını yapınız.
- B- Hareketli parçayı (2) zemine (5) kaynatınız.
- C- Clamp gövdesini (1) hareketli parçaya (2) kaynatınız.
- D- Parça tutma lamasını (4) baskı koluna (3) kaynatınız.

Installation Instruction

- A- Fix modular clamp in clamping position
- B- Weld part (2) to part (5)
- C- Weld part (1) to part (2)
- D- Weld part (4) to part (3)

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice

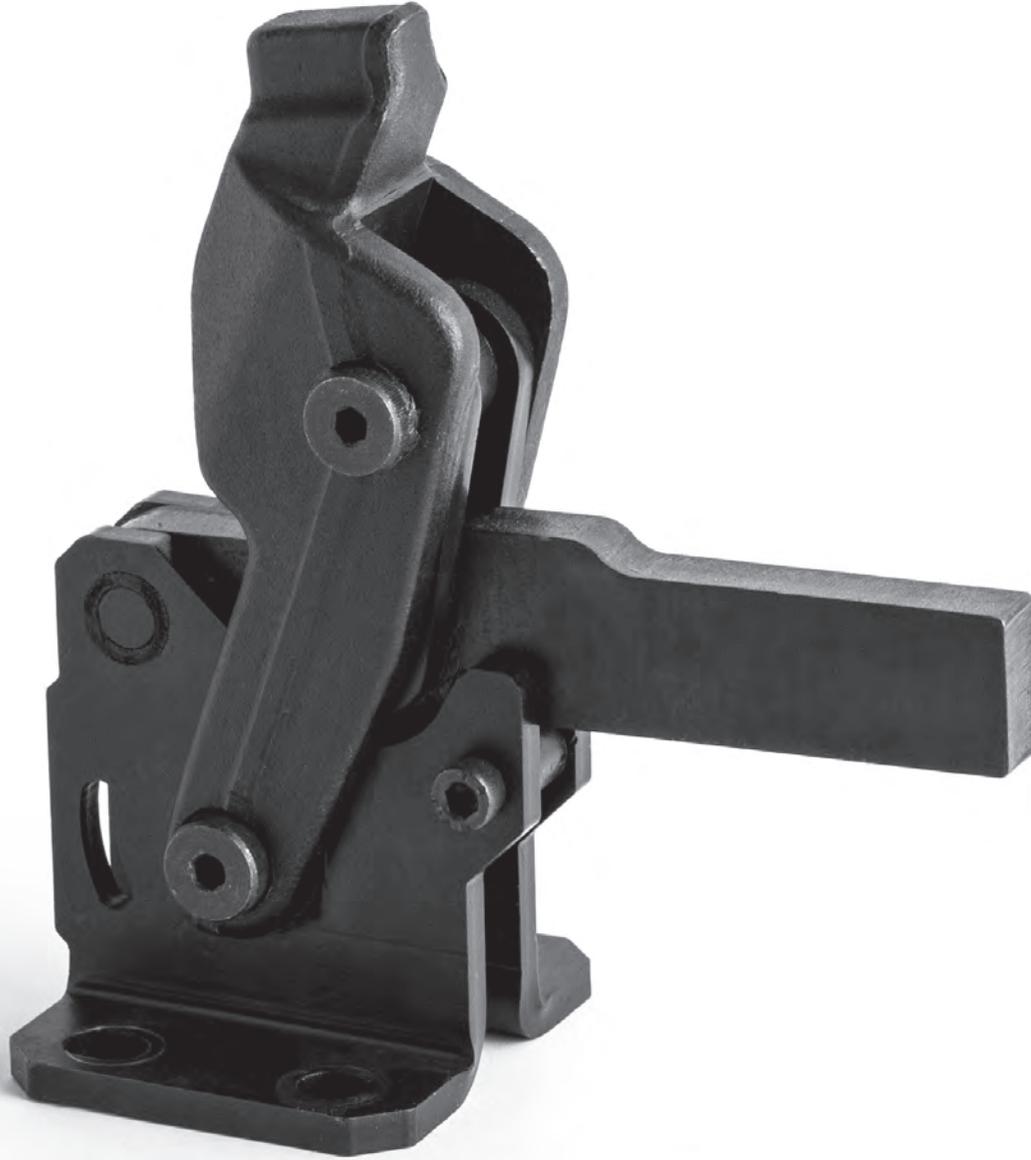


ÖLÇÜLENDİRME
DIMENSIONS

MODEL	D	E	F	G	H	I	J	K	L	P	R	S	T	U
1503 U	13	27	14	39	108	20	50	22	41	34	13.5	10	20	85
1505 U	13	35	19.5	47.8	120	28	55	24	60	43	16	12	22	95

* L kol boyu için özel üretime uygun sipariş verebilirsiniz. / *This item is available upon request

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir / Dimensions and technical information are subject to change without notice



POZİSYON AYARLI AĞIR SERİ DİKEY BAĞLANTI ELEMENLARI

Position Adjustable Heavy
Series Vertical Toggle
Clamps

Y SERİ
/ Y SERIES

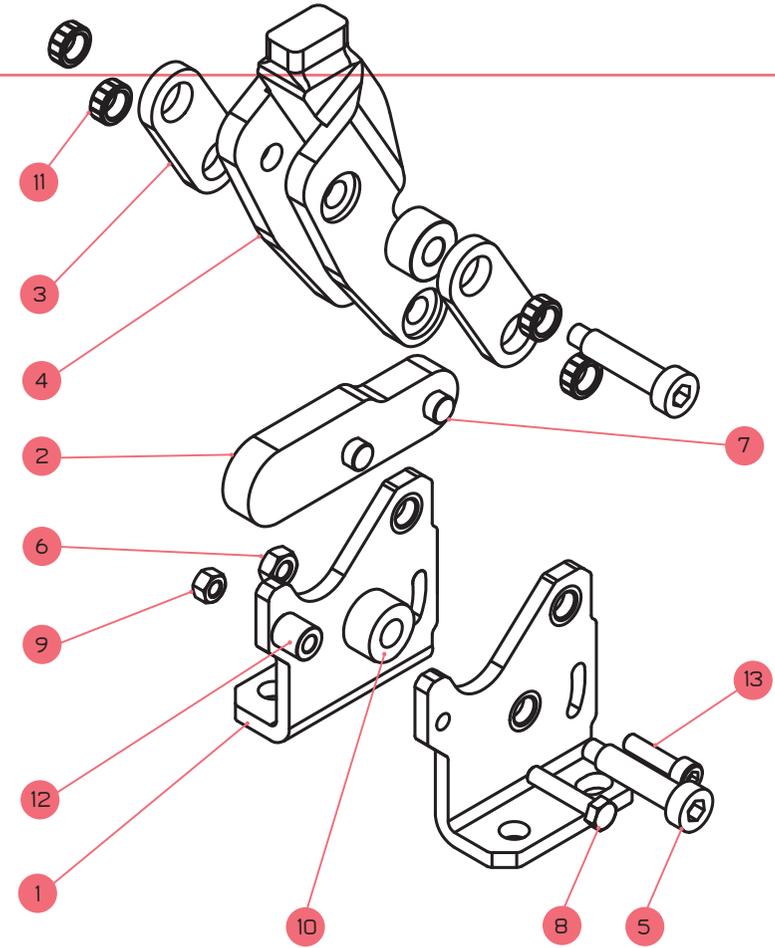
Montaj tipi: Yatay Taban
Body Mounting Base: Horizontal



ENIGMA
clamp



E | PATLATILMIŞ
EXPLODE



ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY	ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	Y Gövde	2	8	İmbul Civata	1
2	Baskı Kolu	1	9	Somun	1
3	Mafsal	2	10	Yüzük	1
4	Dövme Mafsal	1	11	Burç	8
5	Yay Askı Civatası	2	12	Burç	1
6	Fiberli Somun	2	13	Açı Ayar Vidası	1
7	Tırtıllı Pim	2			

Görsellerde verilen ürün, model kodu farklılıklarına göre değişiklik gösterebilir. / The product shown in the images may differ from some others depending on the model code differences.



AÇI, HAREKET ve KUVVET ANALİZİ
ANGLE, MOTION and FORCE ANALYSIS

MODEL	$\alpha^{\circ}(+5^{\circ})$	γ°	Max.Holding Capacity (N)	Ağırlık (Kg) (Weight)
1503 Y	93-163	33	7000	0,96
1505 Y	106-172	33	11000	1,50

FT:TUTMA KAPASİTESİ (HOLDING CAPACITY), FB: BASKI KUVVETİ (CLAMPING FORCE), FU: UYGULAMA KUVVETİ (APPLIED FORCE)

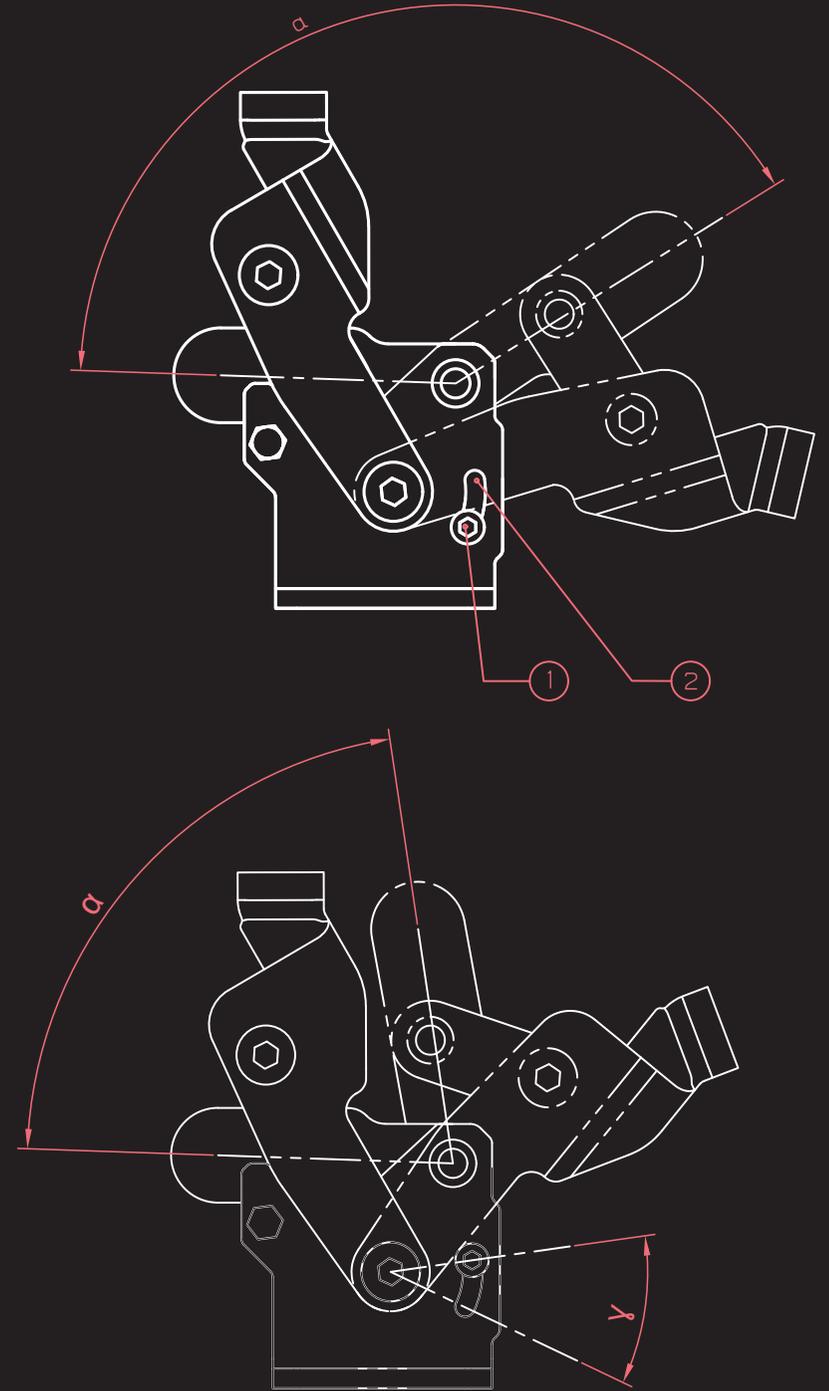
AYARLANABİLİR POZİSYON AÇISI

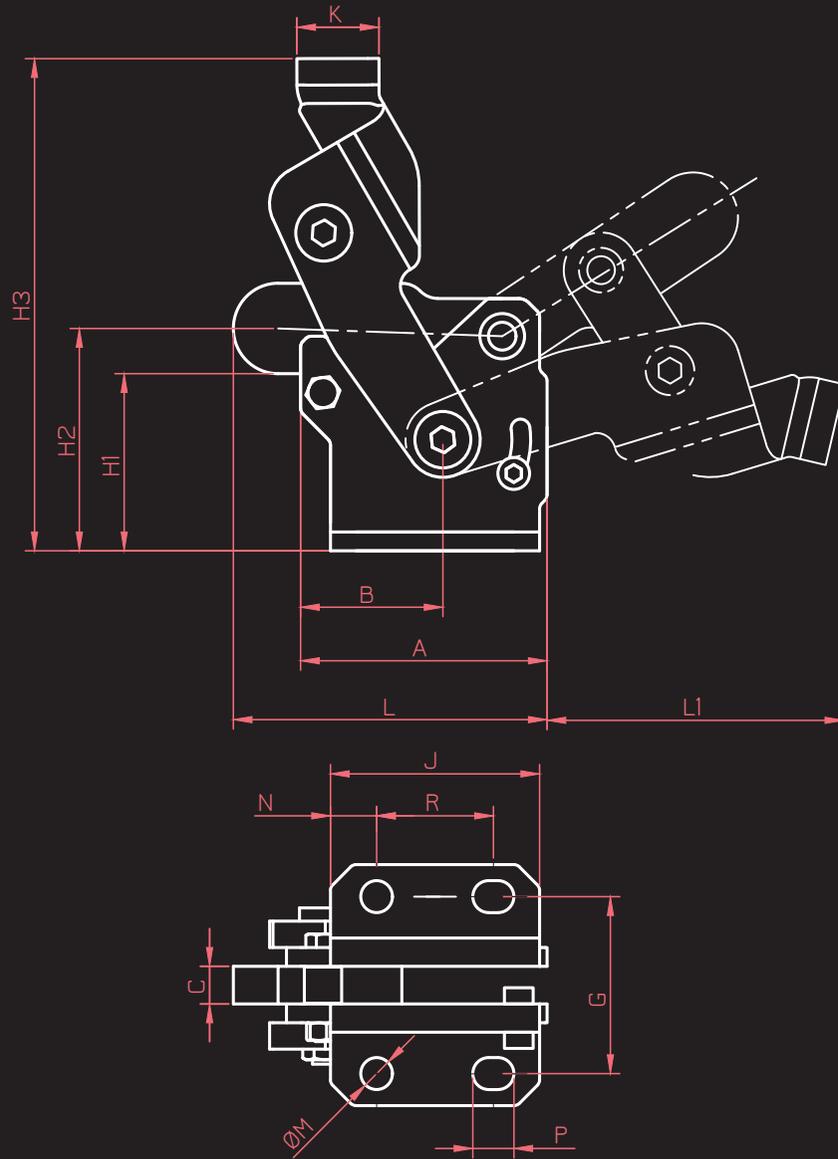
- Clampin konumlamasını yapınız.
- Çalışmak istediğiniz açı pozisyonunu belirleyiniz.
- Ayar vidasını (1) açı ayar kanalı (2) içerisinde sıkarak sabitleyiniz.

ADJUSTABLE LOCKING MECHANISM

- Fix clamp in clamping position
- Set the angle position you want to work on.
- Secure the adjustment screw (1) in the angle adjustment channel (2).

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice





ÖLÇÜLENDİRME
DIMENSIONS

MODEL	A	B	C	D	E	F	G	H1	H2	H3	J	K	L	L1	ØM	N	P	R	S
1503 Y	66	38	10	13	64	42	47	47	59	130	56	22	84	79	Ø8,5	12,4	8,5x11	30-32,5	5
1505 Y	80	45	12	13	74	60	53	53	67	142	70	24	103,3	81	Ø10,5	12	10,5x13	45-47,5	5

* L kol boyu için özel üretime uygun sipariş verebilirsiniz. / *This item is available upon request

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir / Dimensions and technical information are subject to change without notice



POZİSYON AYARLI AĞIR SERİ DİKEY BAĞLANTI ELEMENLARI

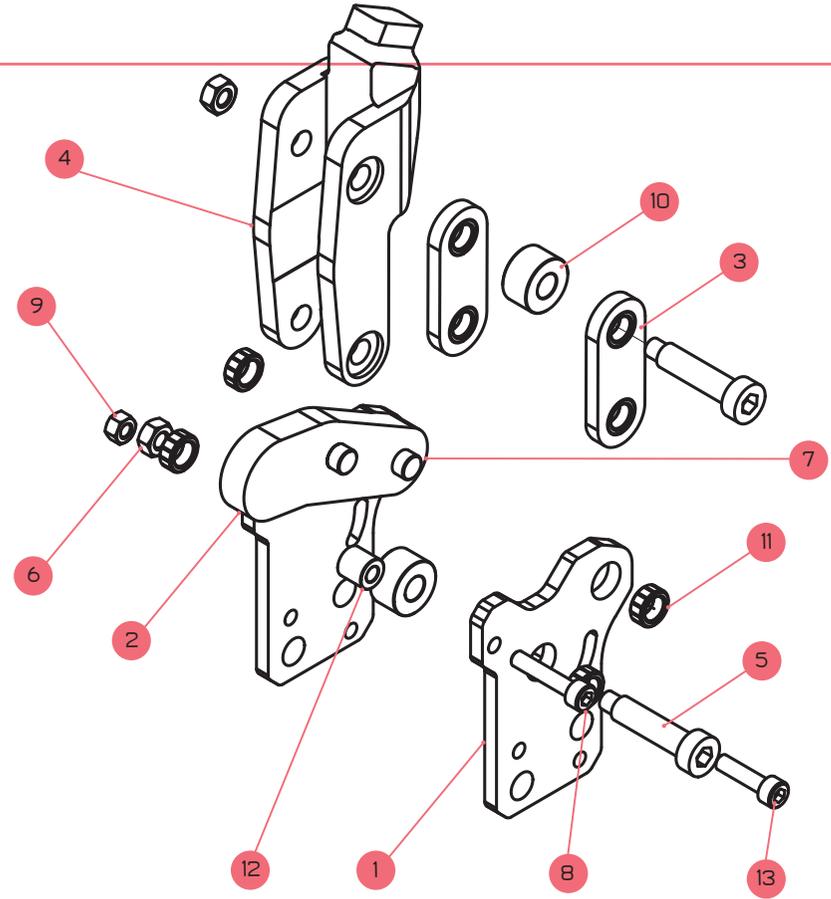
Position Adjustable
Heavy Series Vertical Toggle
Clamps

D SERİ / D SERIES

Montaj tipi: Dikey Taban
Body Mounting Base: Vertical



ENIGMA
clamp



E PATLATILMIŞ
EXPLODE

ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	D Gövde	2
2	Baskı Kolu	1
3	Mafsal	2
4	Dövme Mafsal	1
5	Yay Askı Civatası	2
6	Fiberli Somun	2
7	Tırtıllı Pim	2

ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
8	İmbus Civata	1
9	Somun	1
10	Yüzük	1
11	Burç	8
12	Burç	1
13	Açı Ayar Vidası	1

Görsellerde verilen ürün, model kodu farklılıklarına göre değişiklik gösterilebilir. / The product shown in the images may differ from some others depending on the model code differences.



AÇI, HAREKET ve KUVVET ANALİZİ ANGLE, MOTION and FORCE ANALYSIS

MODEL	$\alpha^\circ(\pm 3^\circ)$	γ°	Max.Holding Capacity (N)	Ağırlık (Kg) (Weight)
1503 D	66-146	33	7000	0,94
1505 D	61-130	33	11000	1,40

FT:TUTMA KAPASİTESİ (HOLDING CAPACITY), FB: BASKI KUVVETİ (CLAMPING FORCE), FU: UYGULAMA KUVVETİ (APPLIED FORCE)

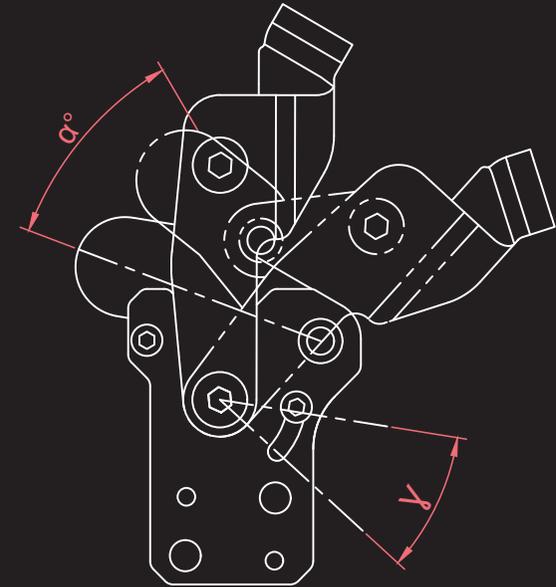
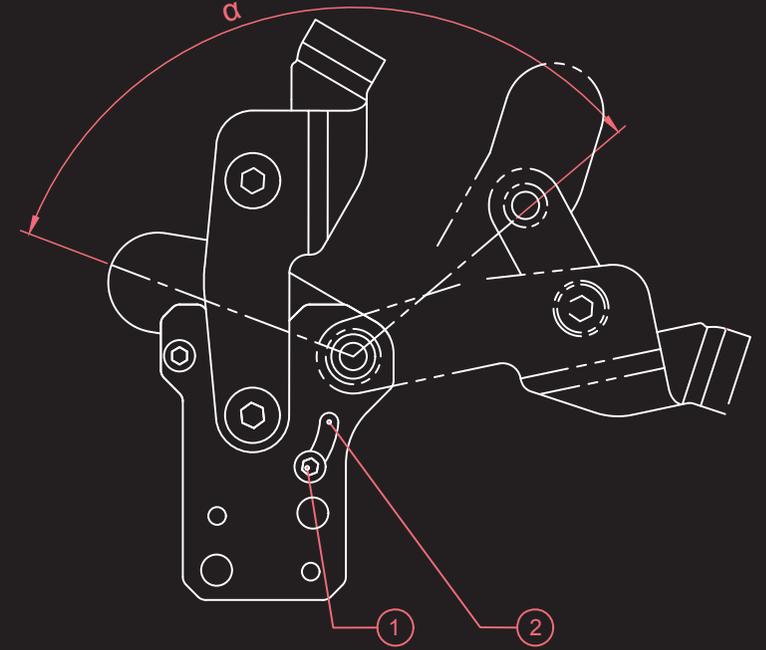
AYARLANABİLİR POZİSYON AÇISI

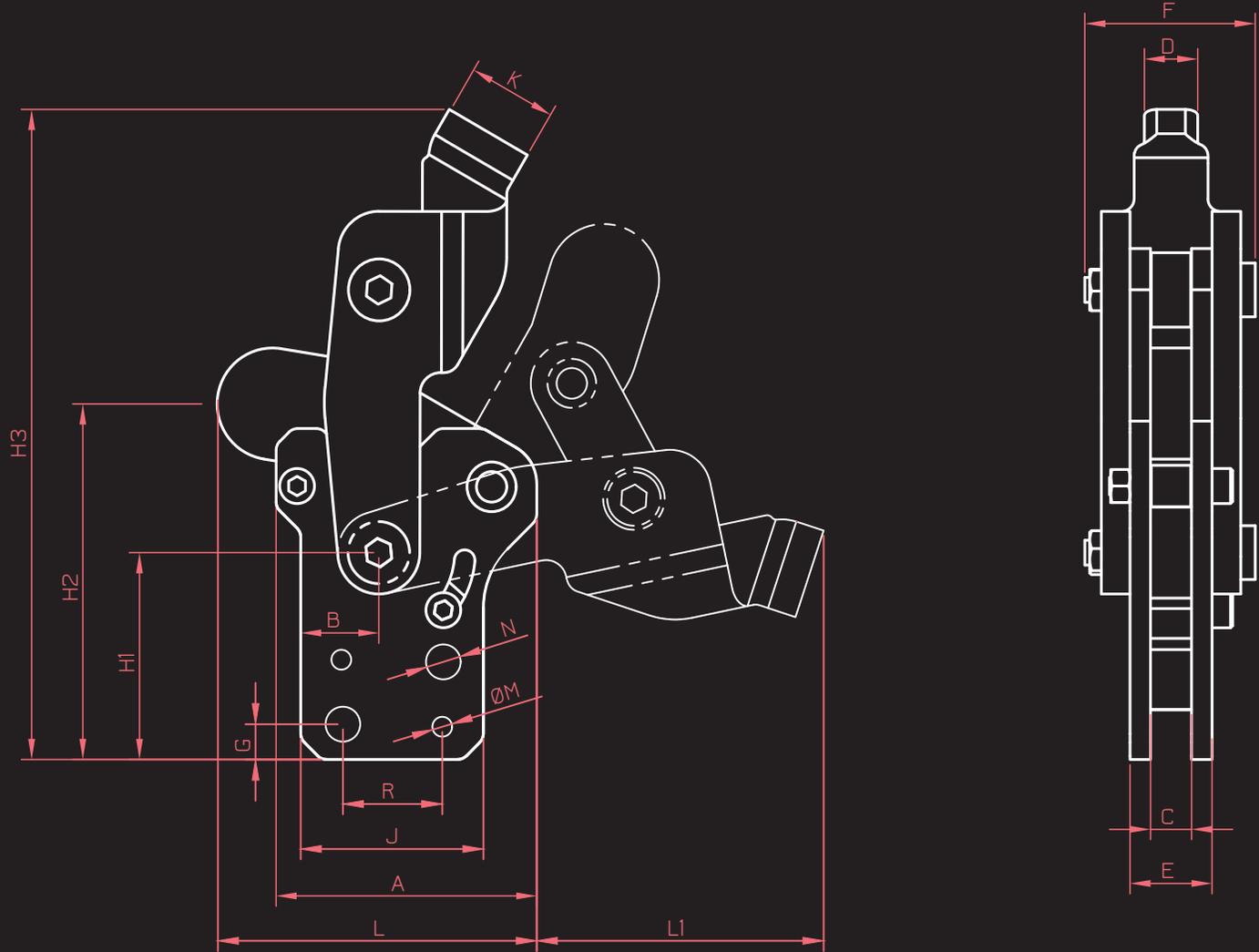
- Clampin konumlamasını yapınız.
- Çalışmak istediğiniz açı pozisyonunu belirleyiniz.
- Ayar vidasını (1) açı ayar kanalı (2) içerisinde sıkarak sabitleyiniz.

ADJUSTABLE LOCKING MECHANISM

- Fix clamp in clamping position
- Set the angle position you want to work on.
- Secure the adjustment screw (1) in the angle adjustment channel (2).

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice





ÖLÇÜLENDİRME
DIMENSIONS

MODEL	A	B	C	D	E	F	G	H1	H2	H3	J	K	L	L1	N	M	R
1503 D	63,5	19	10	13	20	42	10	50	86	157	44,5	22	77,8	70	8,5	5,7	22,9
1505 D	76	21	12	13	22	60	12	64	103	184	53	24	95,7	73	10,5	7,7	35,9

* L kol boyu için özel üretime uygun sipariş verebilirsiniz. / *This item is available upon request

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir / Dimensions and technical information are subject to change without notice

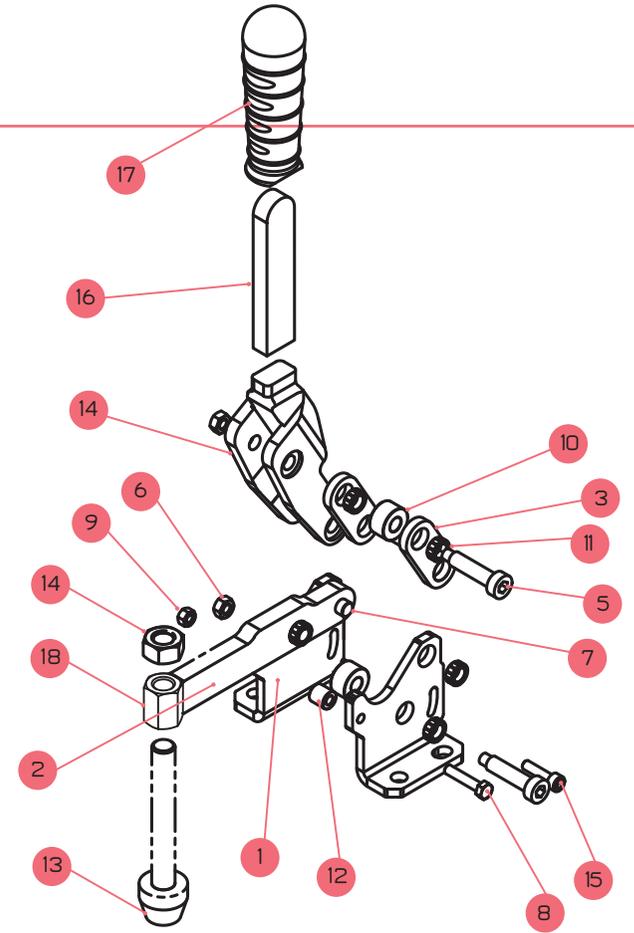


POZİSYON AYARLI AĞIR SERİ DİKEY BAĞLANTI ELEMENLARI

Position Adjustable
Heavy Series Vertical
Toggle Clamps

Y SERİ / Y SERIES

Montaj tipi: Yatay Taban
Body Mounting Base: Horizontal



E | PATLATILMIŞ
EXPLODE

ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY	ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	Y Gövde	2	10	Yüzük	2
2	Baskı Kolu	1	11	Burç	8
3	Mafsal	2	12	Burç	1
4	Dövme Mafsal	1	13	Baskı Pabucu	1
5	Yay Askı Civatası	2	14	Konta Somun	1
6	Fiberli Somun	2	15	Açı Ayar Vidası	1
7	Tırtıllı Pim	2	16	Tutamak Laması	1
8	İmbul Civata	1	17	Tutamak	1
9	Somun	1	18	Lama Uc Bağlantı Somunu	1



AÇI, HAREKET ve KUVVET ANALİZİ ANGLE, MOTION and FORCE ANALYSIS

MODEL	$\alpha^{\circ}(+5^{\circ})$	γ°	FT(N)	FB(N)	FU FB:FU	Ağırlık (Kg) (Weight)
1533 Y	95-168	33	5000	1500	5:1	1,37
1535 Y	105-170	33	6500	2400	5:1	2,40

FT:TUTMA KAPASİTESİ (HOLDING CAPACITY), FB: BASKI KUVVETİ (CLAMPING FORCE),
FU: UYGULAMA KUVVETİ (APPLIED FORCE)

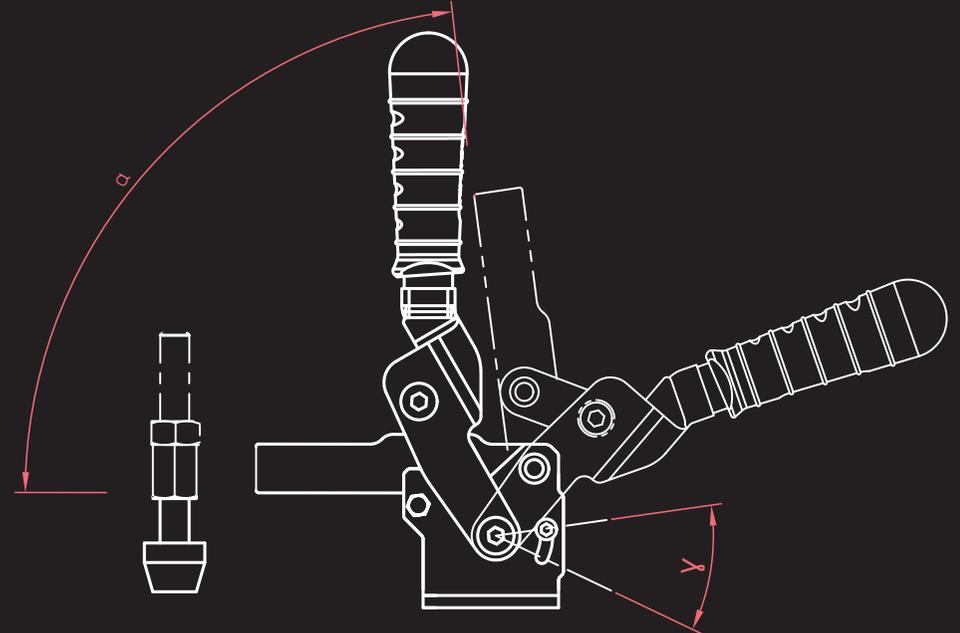
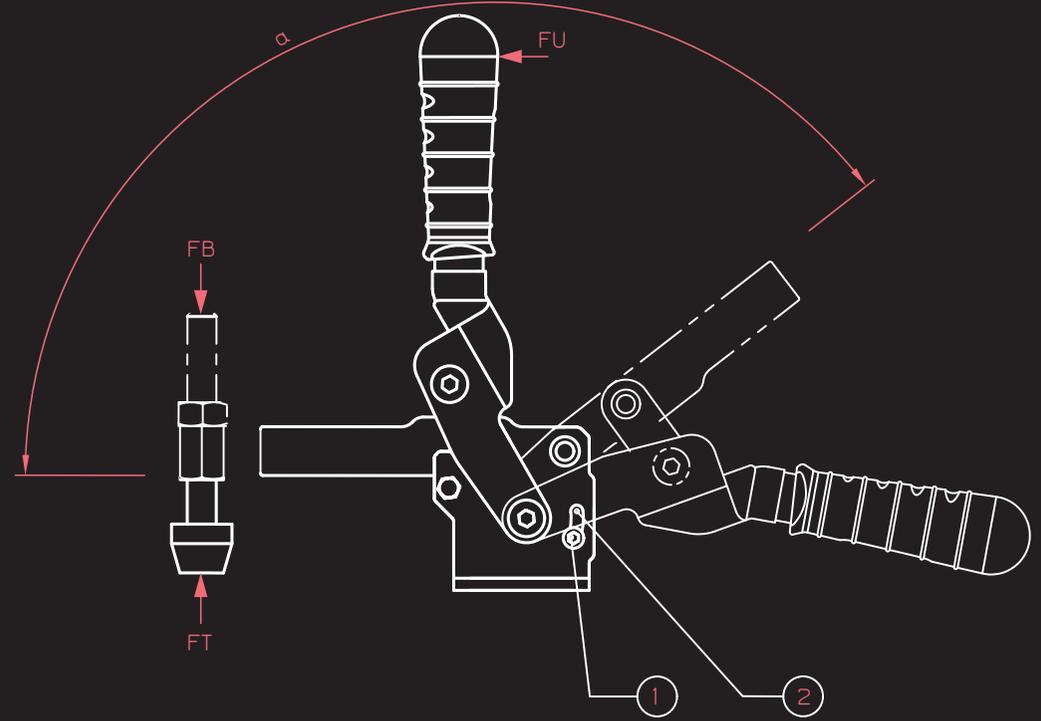
AYARLANABİLİR POZİSYON AÇISI

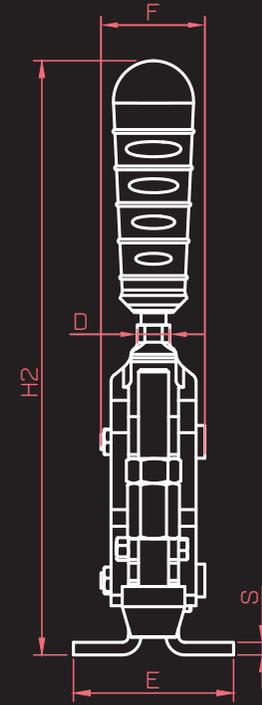
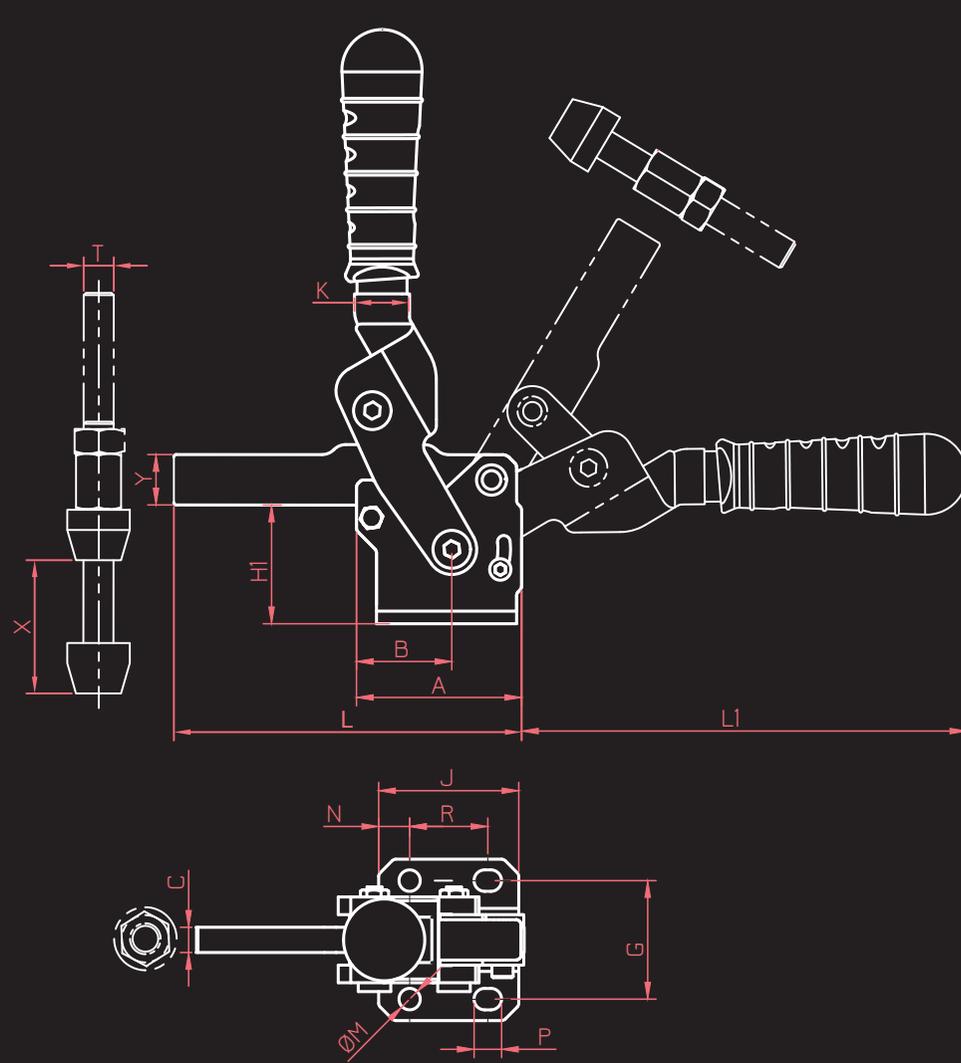
- Clampin konumlamasını yapınız.
- Çalışmak istediğiniz açı pozisyonunu belirleyiniz.
- Ayar vidasını (1) açı ayar kanalı (2) içerisinde sıkarak sabitleyiniz.

ADJUSTABLE LOCKING MECHANISM

- Fix clamp in clamping position
- Set the angle positio you want to work on.
- Secure the adjustment screw (1) in the angle adjustment channel (2).

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice





ÖLÇÜLENDİRME
DIMENSIONS

MODEL	A	B	C	D	E	F	G	H1	H2	J	K	L	L1	ØM	N	P	R	S	T	Y	X
1533 Y	66	38	10	13	64	42	47	52	244	56	22	144,5	186	Ø8,5	12,4	8,5x11	30-32,5	5	M12	20	38
1535 Y	80	45	12	13	74	60	53	56	275	70	24	180	211	Ø10,5	12	10,5x13	45-47,5	5	M12	22,5	45

* L kol boyu için özel üretime uygun sipariş verebilirsiniz. / *This item is available upon request

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir / Dimensions and technical information are subject to change without notice



POZİSYON AYARLI AĞIR SERİ DİKEY BAĞLANTI ELEMENLARI

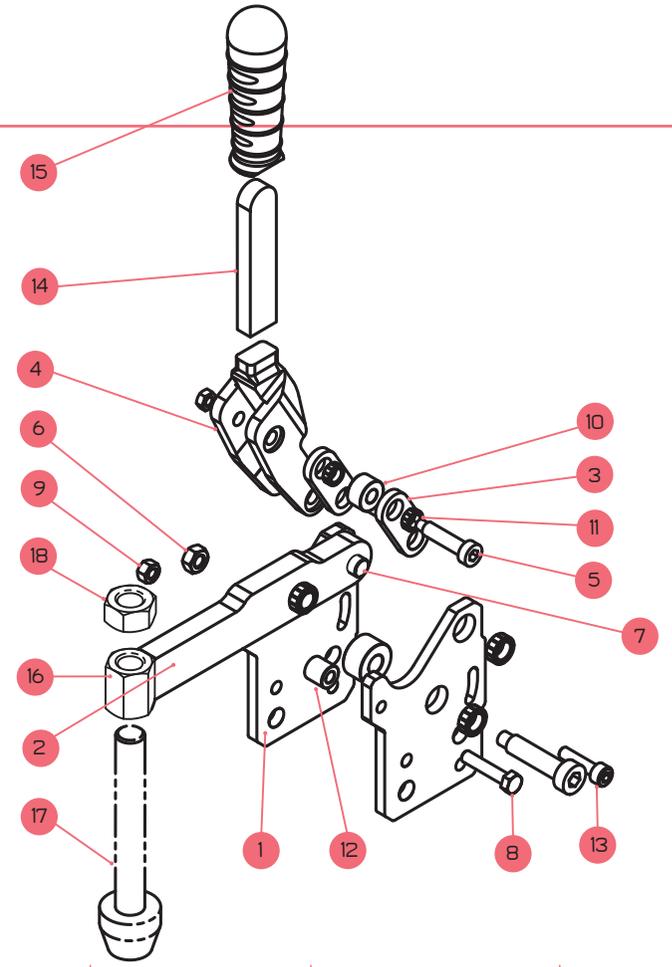
Pozition Adjustable
Heavy Series Vertical
Toggle Clamps

D SERİ / D SERIES

Montaj tipi: Dikey Taban
Body Mounting Base: Vertical



E PATLATILMIŞ
EXPLODE



ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	D Gövde	2
2	Baskı Kolu	1
3	Mafsall	2
4	Dövme Mafsall	1
5	Yay Askı Civatası	2
6	Fibertli Somun	2
7	Tırtıllı Pim	2
8	İmbul Civata	1
9	Somun	1

ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
10	Yüzük	2
11	Burç	8
12	Burç	1
13	Açı Ayar Vidası	1
14	Tutamak Laması	1
15	Tutamak	1
16	Lama Uc Bağlantı Somunu	1
17	Baskı Pabucu	1
18	Konta Somun	1

Görsellerde verilen ürün, model kodu farklılıklarına göre değişiklik gösterilebilir. / The product shown in the images may differ from some others depending on the model code differences.



AÇI, HAREKET ve KUVVET ANALİZİ ANGLE, MOTION and FORCE ANALYSIS

MODEL	$\alpha^{\circ}(+5^{\circ})$	γ°	FT(N)	FB(N)	FU FB:FU	Ağırlık (Kg) (Weight)
1533 D	92-160	33	5000	1500	5:1	1,37
1535 D	105-168	33	6500	2400	5:1	2,40

FT:TUTMA KAPASİTESİ (HOLDING CAPACITY), FB: BASKI KUVVETİ (CLAMPING FORCE),
FU: UYGULAMA KUVVETİ (APPLIED FORCE)

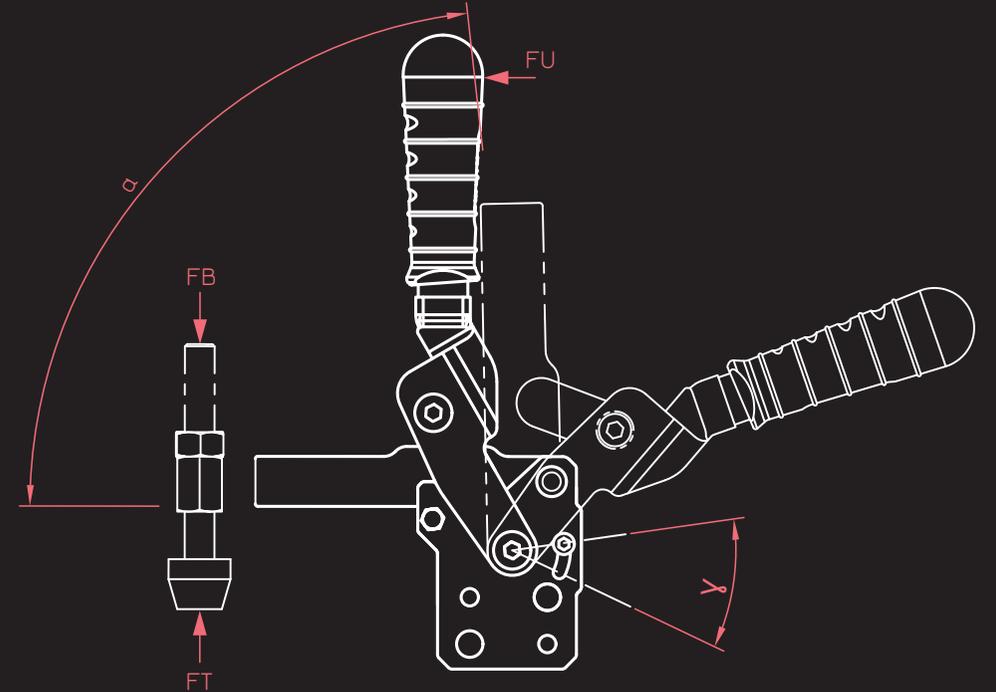
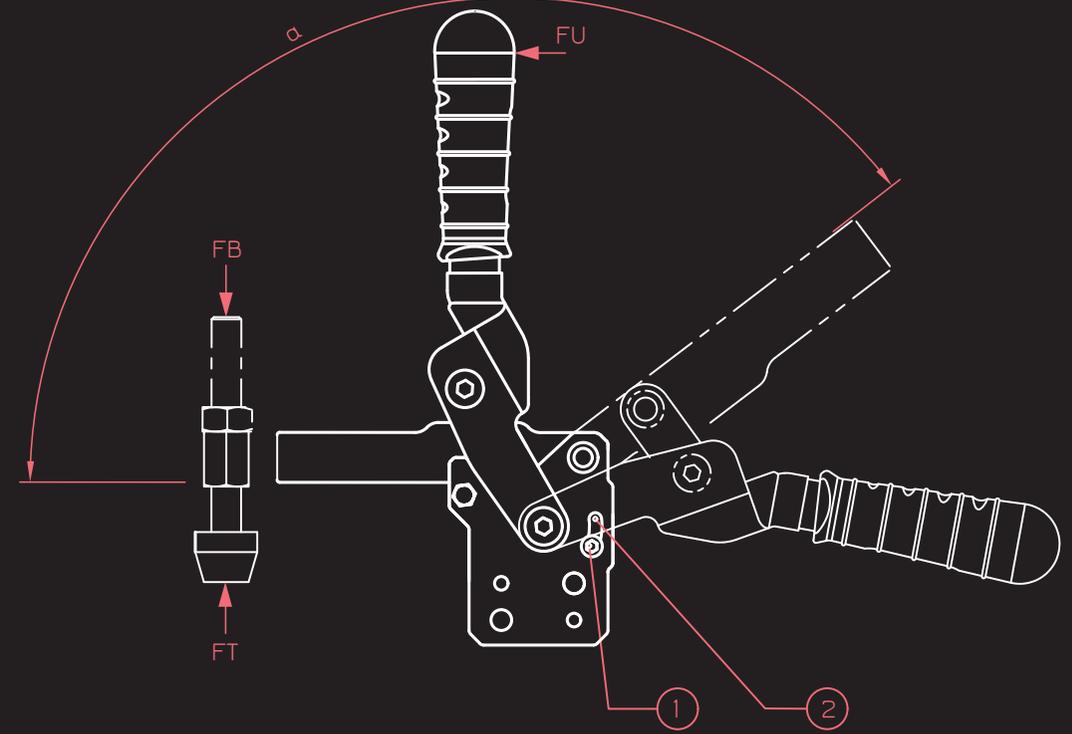
AYARLANABİLİR POZİSYON AÇISI

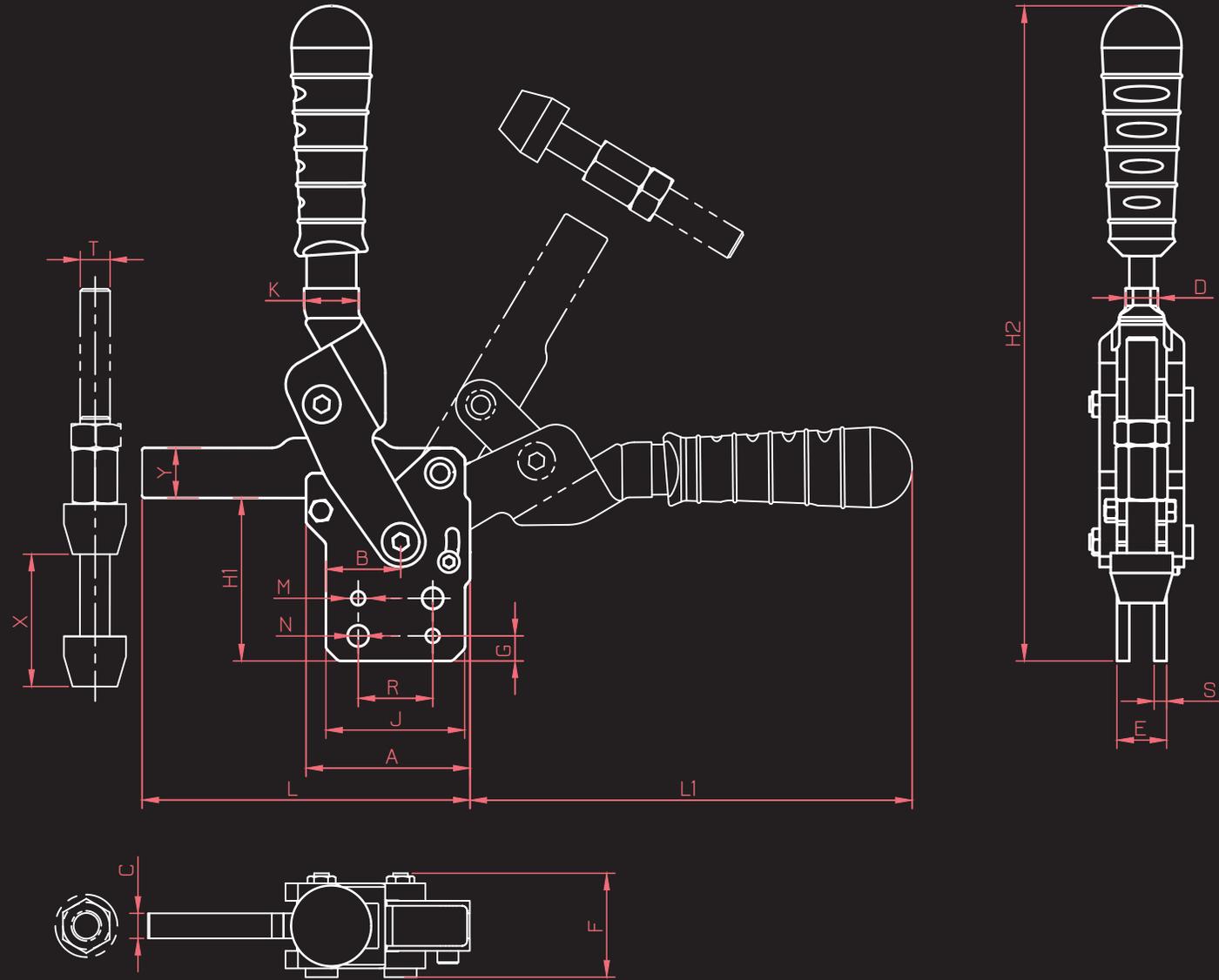
- Clampin konumlamasını yapınız.
- Çalışmak istediğiniz açı pozisyonunu belirleyiniz.
- Ayar vidasını (1) açı ayar kanalı (2) içerisinde sıkarak sabitleyiniz.

ADJUSTABLE LOCKING MECHANISM

- Fix clamp in clamping position
- Set the angle position you want to work on.
- Secure the adjustment screw (1) in the angle adjustment channel (2).

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice





**ÖLÇÜLENDİRME
DIMENSIONS**

MODEL	A	B	C	D	E	F	G	H1	H2	J	K	L	L1	N	M	T	R	S	Y	X
1533 D	63,5	19	10	13	20	42	10	65	260	56	22	142	171,5	8,5	5,6	M12	30	5	20	38
1535 D	76	21	12	13	22	60	12	85	305	70	24	177,5	203,5	10,5	7,6	M12	45	5	22,5	45

* L kol boyu için özel üretime uygun sipariş verebilirsiniz. / *This item is available upon request

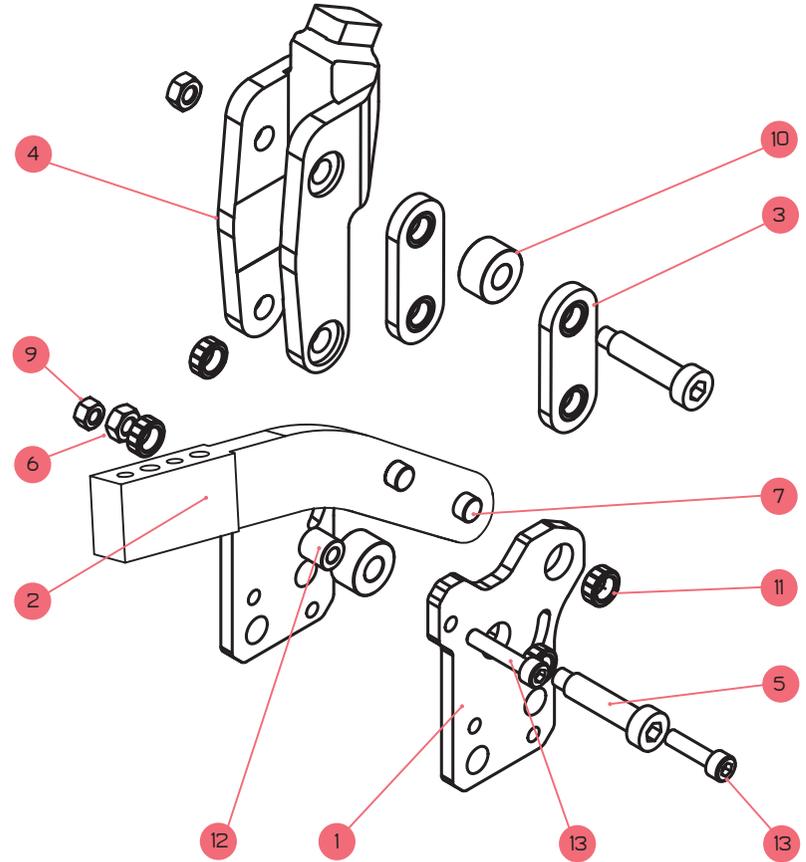
Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir / Dimensions and technical information are subject to change without notice



AĞIR SERİ
DİKEY
BAĞLANTI
ELEMENLARI
Vertical Toggle Clamps

D SERİ / D SERIES

Montaj Tipi: Dikey Taban
Body Mounting Base: Vertical



E | PATLATILMIŞ
EXPLODE

ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY	ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	D Gövde	2	8	İmbus Civata	1
2	Baskı Kolu	1	9	Somun	1
3	Mafsal	2	10	Yüzük	1
4	Dövme Mafsal	1	11	Burç	8
5	Yay Askı Civatası	2	12	Burç	1
6	Fiberli Somun	2	13	Açı Ayar Vidası	1
7	Tırtıllı Pim	2			



AÇI, HAREKET ve KUVVET ANALİZİ ANGLE, MOTION and FORCE ANALYSIS

MODEL	$\alpha^{\circ}(\pm 3^{\circ})$	γ°	Max.Holding Capacity (N)	Ağırlık (Kg) (Weight)
1543 D	40-120	33	5000	1,2
1545 D	70-145	33	6500	2,2

FT:TUTMA KAPASİTESİ (HOLDING CAPACITY), FB: BASKI KUVVETİ (CLAMPING FORCE),
FU: UYGULAMA KUVVETİ (APPLIED FORCE)

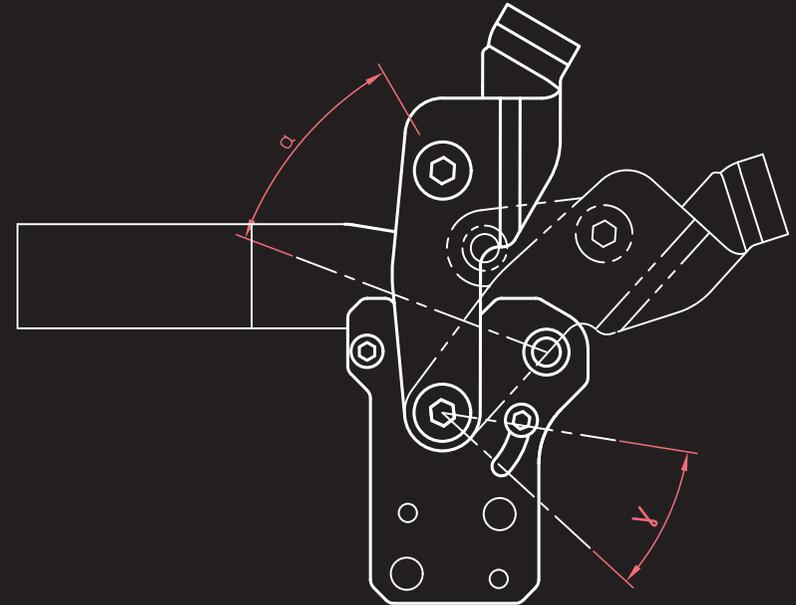
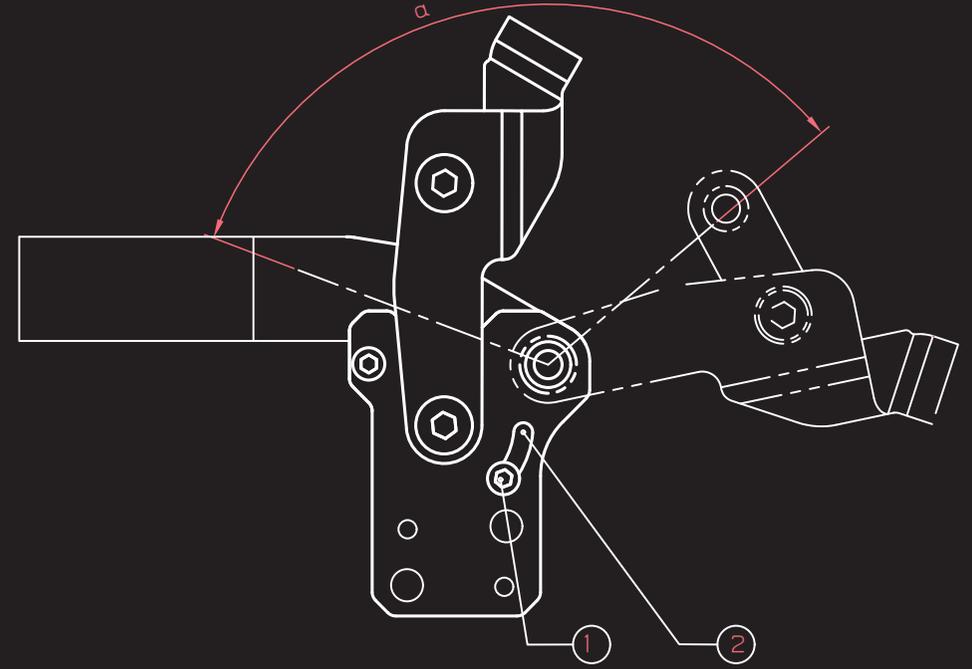
AYARLANABİLİR POZİSYON AÇISI

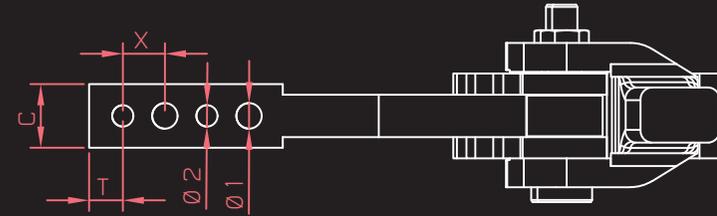
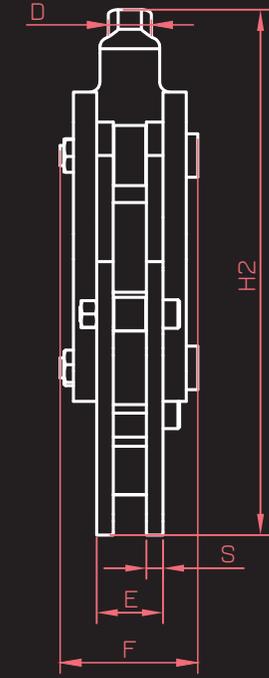
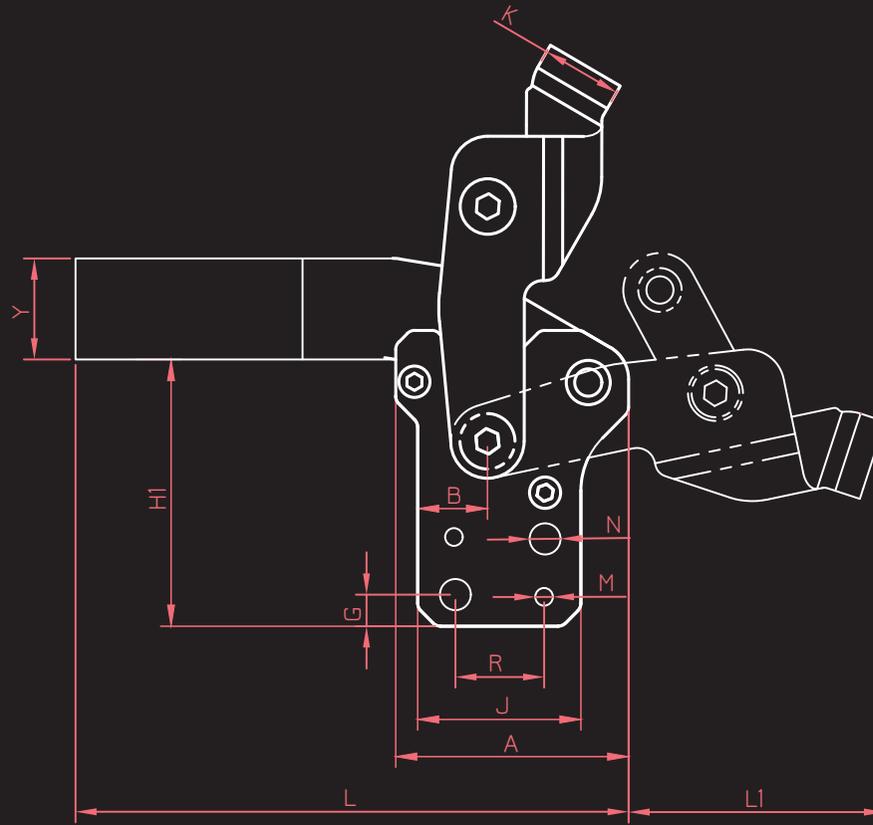
- A- Clampin konumlamasını yapınız.
- B- Çalışmak istediğiniz açı pozisyonunu belirleyiniz.
- C- Ayar vidasını (1) açı ayar kanalı (2) içerisinde sıkarak sabitleyiniz.

ADJUSTABLE LOCKING MECHANISM

- A- Fix clamp in clamping position
- B- Set the angle position you want to work on.
- C- Secure the adjustment screw (1) in the angle adjustment channel (2).

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice





**ÖLÇÜLENDİRME
DIMENSIONS**

MODEL	A	B	C	D	E	F	G	H1	H2	J	K	L	L1	M	N	R	S	T	X	Y	Ø1	Ø2
1543 D	63,5	19	15	13	20	46,5	10	79	157	51,5	22	150	76	5,7	8,5	22,9	5	8	10	25	6	5
1545 D	80	37	15	13	22	60	12	105	173	70	24	179	78	7,7	10,5	35,9	5	8	15	31,3	8,5	6

* L kol boyu için özel üretime uygun sipariş verebilirsiniz. / *This item is available upon request

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir / Dimensions and technical information are subject to change without notice



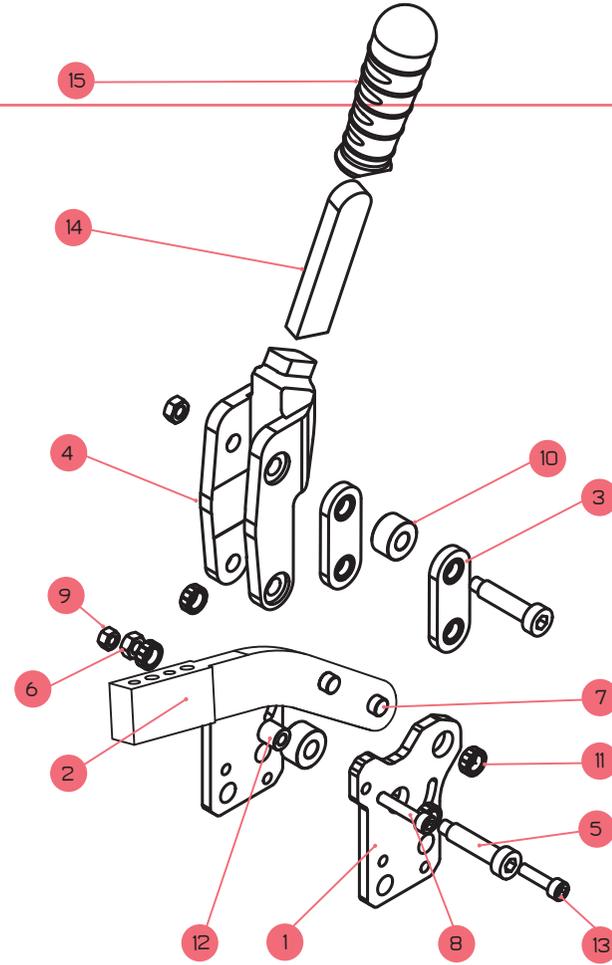
AĞIR SERİ
DİKEY
BAĞLANTI
ELEMENLARI
Vertical Toggle Clamps

D SERİ / D SERIES

Montaj Tipi: Dikey Taban
Body Mounting Base: Vertical



E PATLATILMIŞ
EXPLODE



ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY	ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	D Gövde	2	9	Somun	1
2	Baskı Kolu	1	10	Yüzük	1
3	Mafsal	2	11	Burç	8
4	Dövme Mafsal	1	12	Burç	1
5	Yay Askı Cıvatası	2	13	Açı Ayar Vidası	1
6	Fiberli Somun	2	14	Tutamak Laması	1
7	Tırtıllı Pim	2	15	Tutamak	1
8	İmbus Cıvata	1			

Görsellerde verilen ürün, model kodu farklılıklarına göre değişiklik gösterilebilir. / The product shown in the images may differ from some others depending on the model code differences.



AÇI, HAREKET ve KUVVET ANALİZİ ANGLE, MOTION and FORCE ANALYSIS

MODEL	$\alpha^\circ(\pm 3^\circ)$	γ°	Max.Holding Capacity (N)	Ağırlık (Kg) (Weight)
1573 D	40-120	33	5000	1,5
1575 D	70-145	33	6500	2,5

FT:TUTMA KAPASİTESİ (HOLDING CAPACITY), FB: BASKI KUVVETİ (CLAMPING FORCE),
FU: UYGULAMA KUVVETİ (APPLIED FORCE)

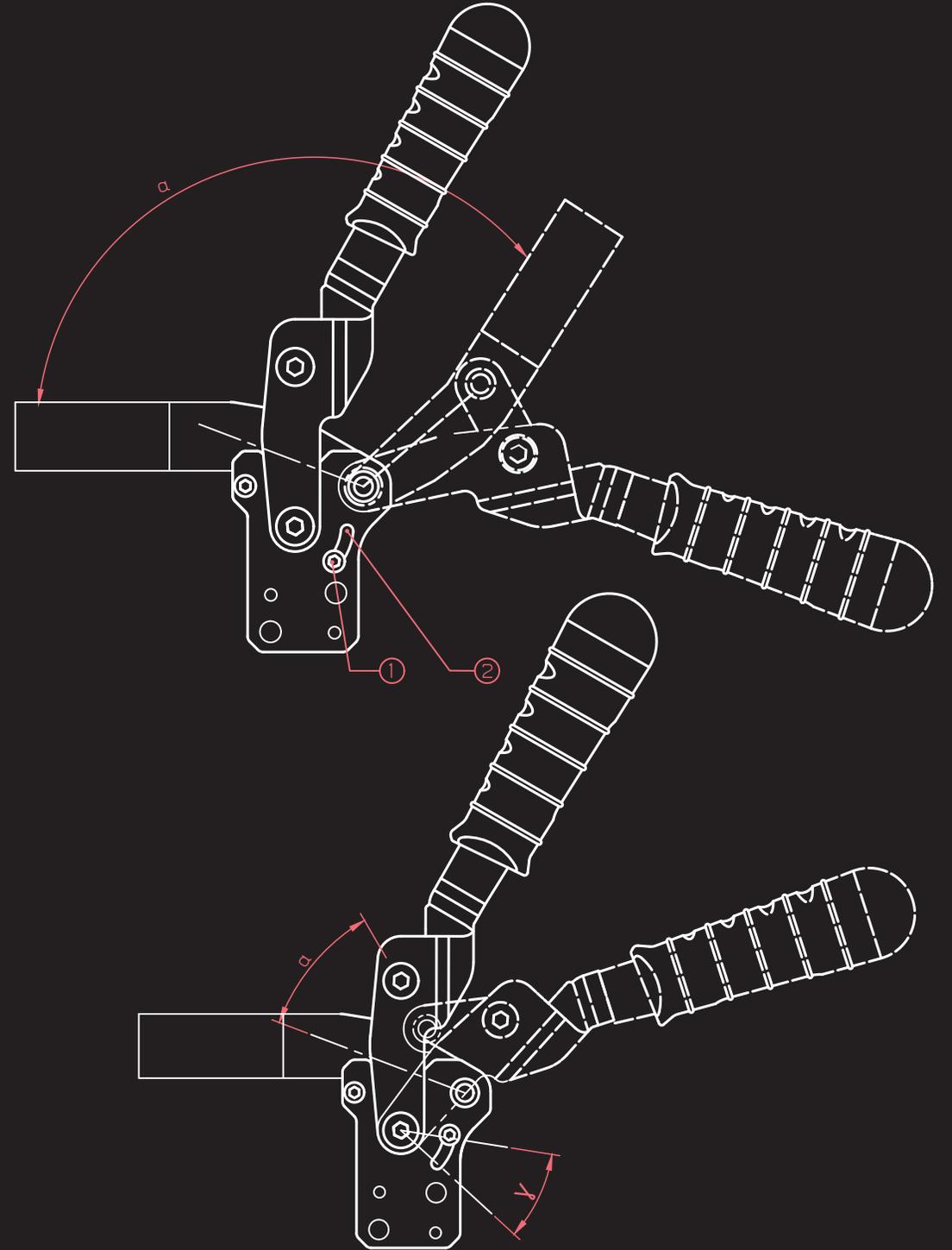
AYARLANABİLİR POZİSYON AÇISI

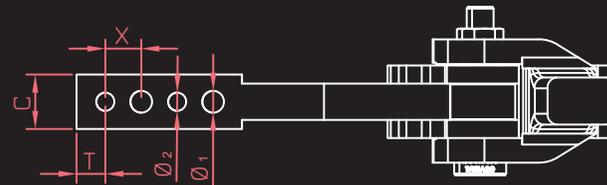
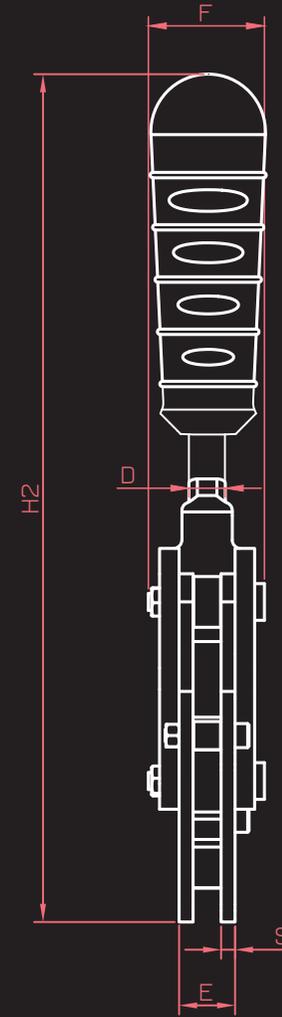
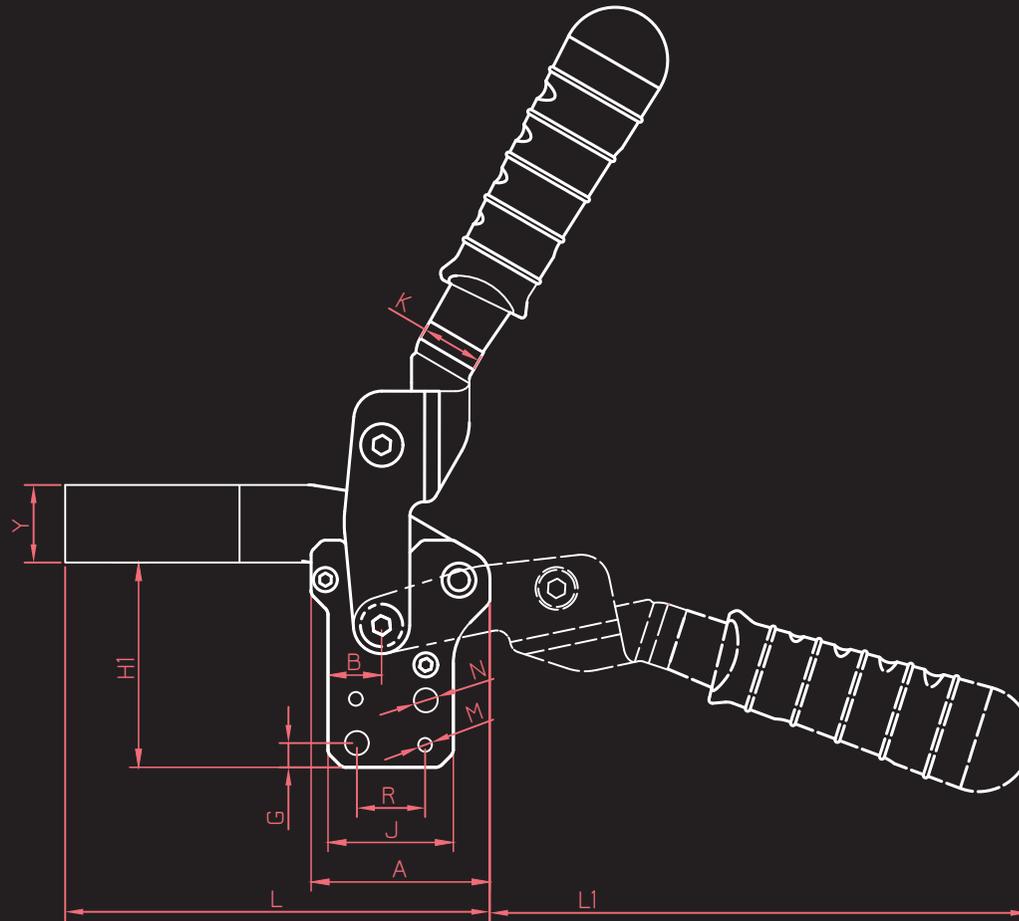
- A- Clampin konumlamasını yapınız.
- B- Çalışmak istediğiniz açı pozisyonunu belirleyiniz.
- C- Ayar vidasını (1) açı ayar kanalı (2) içerisinde sıkarak sabitleyiniz.

ADJUSTABLE LOCKING MECHANISM

- A- Fix clamp in clamping position
- B- Set the angle position you want to work on.
- C- Secure the adjustment screw (1) in the angle adjustment channel (2).

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice





E | ÖLÇÜLENDİRME
DIMENSIONS

MODEL	A	B	C	D	E	F	G	H1	H2	J	K	L	L1	M	N	R	S	T	X	Y	Ø1	Ø2
1573 D	63,5	19	15	13	20	46,5	10	79	242	51,5	22	150	188	5,7	8,5	22,9	5	8	10	25	6	5
1575 D	80	37	15	13	22	60	12	105	305	70	24	179	205	7,7	10,5	35,9	5	8	15	31,3	8,5	6

* L kol boyu için özel üretime uygun sipariş verebilirsiniz. / *This item is available upon request

Boyutlar ve teknik bilgiler önceden bildirimeksizin değiştirilebilir / Dimensions and technical information are subject to change without notice



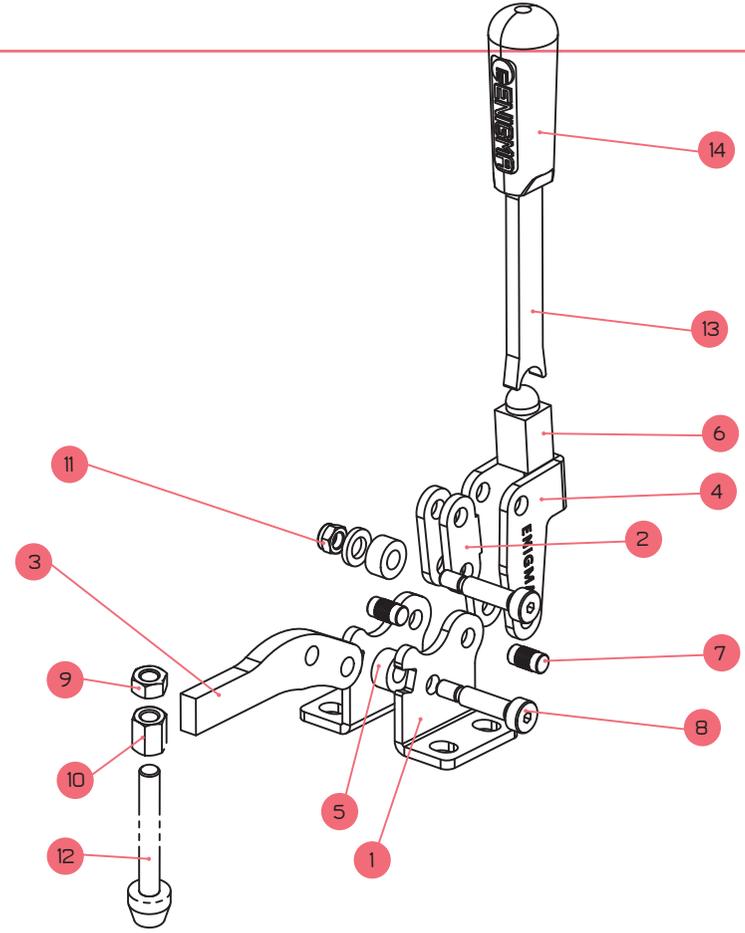
AĞIR SERİ DİKEY BAĞLANTI ELEMENLARI

Vertical Toggle Clamps

Y SERİ / Y SERIES

Montaj Tipi: Yatay Taban

Body Mounting Base: Horizontal



E | PATLATILMIŞ
EXPLODE

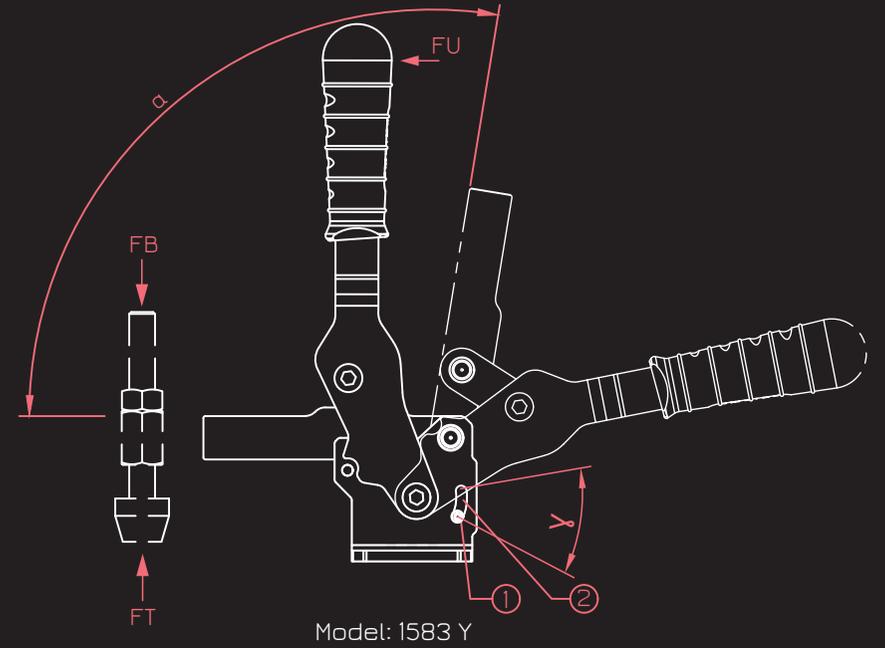
ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY	ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	Y Gövde	2	8	Yay Askı Civatası	1
2	Mafsal	2	9	Somun	1
3	Baskı Kolu	1	10	Lama Uc Bağlantı Somunu	1
4	Saç Mafsal	1	11	Fiberli Somun	1
5	Yüzük	2	12	Baskı Pabucu	1
6	Kaynak Otomatı	1	13	Tutamak Laması	1
7	Tırtıllı Pim	2	14	Tutamak	1



AÇI, HAREKET ve KUVVET ANALİZİ ANGLE, MOTION and FORCE ANALYSIS

MODEL	α °(+5°)	γ °	FT(N)	FB(N)	FU FB:FU	Ağırlık (Kg) (Weight)
1581 Y	90	-	2600	850	5:1	0,37
1583 Y	80-146	33	4500	1000	5:1	1,4

FT:TUTMA KAPASİTESİ (HOLDING CAPACITY), FB: BASKI KUVVETİ (CLAMPING FORCE),
FU: UYGULAMA KUVVETİ (APPLIED FORCE)



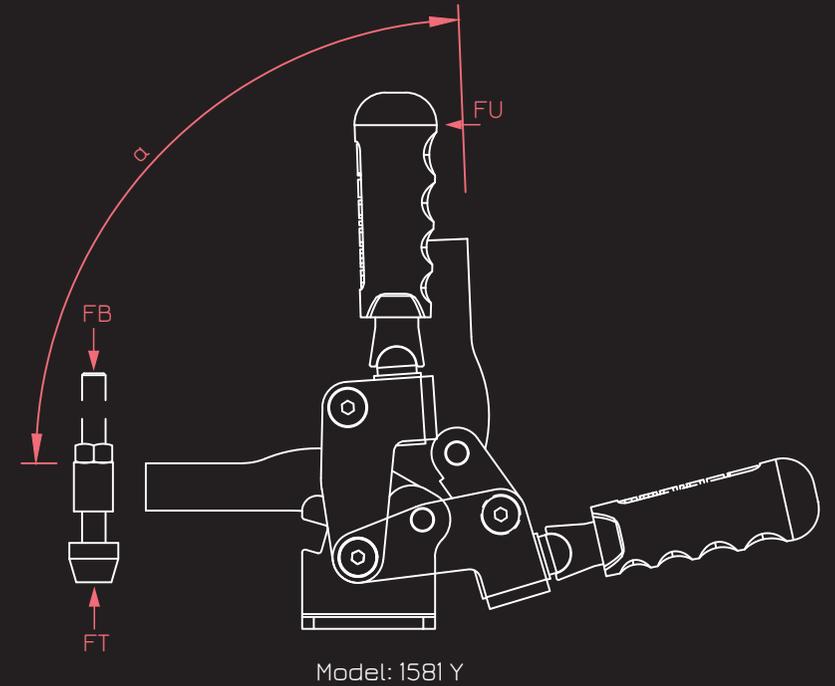
AYARLANABİLİR POZİSYON AÇISI

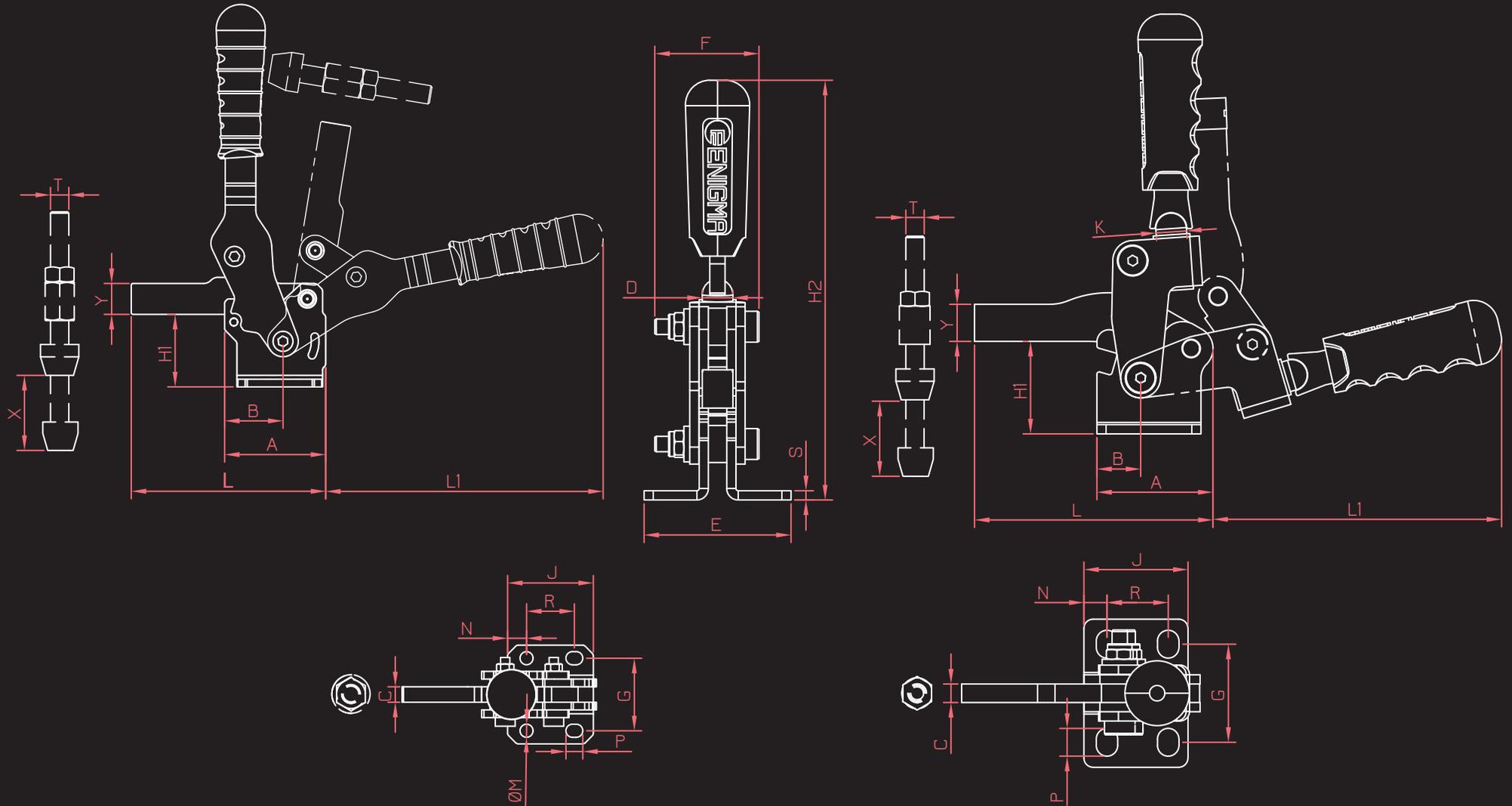
- A- Clampin konumlamasını yapınız.
- B- Çalışmak istediğiniz açı pozisyonunu belirleyiniz.
- C- Ayar vidasını (1) açı ayar kanalı (2) içerisinde sıkarak sabitleyiniz.

ADJUSTABLE LOCKING MECHANISM

- A- Fix clamp in clamping position
- B- Set the angle position you want to work on.
- C- Secure the adjustment screw (1) in the angle adjustment channel (2).

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice





Model: 1583 Y

Model: 1581 Y



ÖLÇÜLENDİRME
DIMENSIONS

MODEL	A	B	C	D	E	F	G	H1	H2	J	K	L	L1	ØM	N	P	R	S	T	Y	X
1581 Y	38	14,3	6	10	48	34	31,8	30	136	34	10	88	98,5	-	7,5	7x9	20	3	M5	12	22
1583 Y	66	38,1	10	-	64	44,5	47	47	248	56	-	149	190	Ø 8,5	12	8,5x11	30-32,5	5	M12	20	51

* L kol boyu için özel üretime uygun sipariş verebilirsiniz. / *This item is available upon request

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir / Dimensions and technical information are subject to change without notice



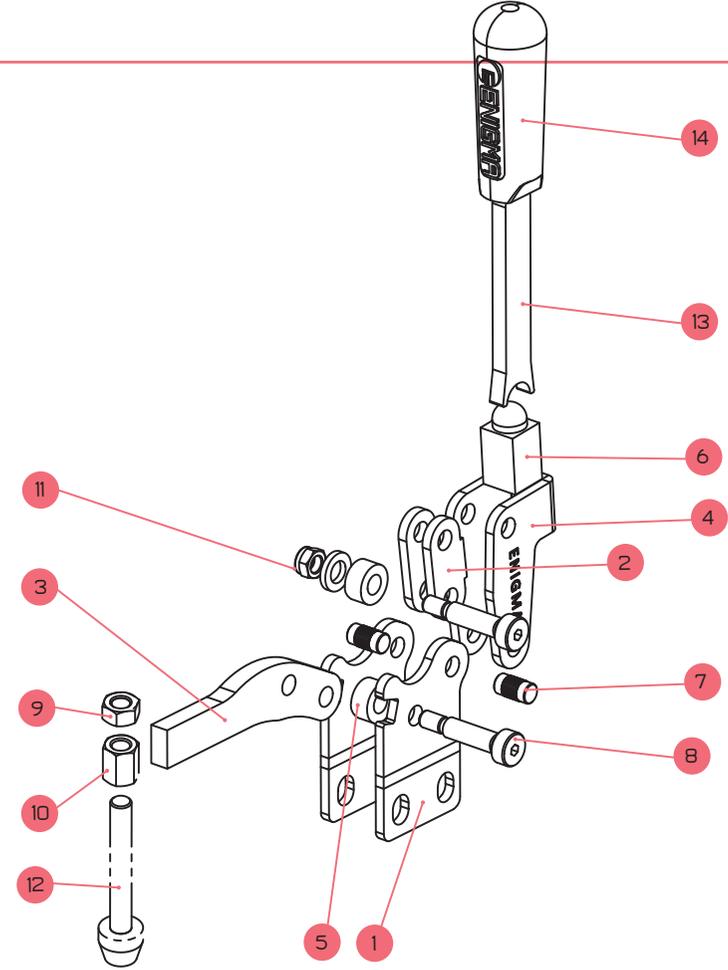
AĞIR SERİ
DİKEY
BAĞLANTI
ELEMENLARI
Vertical Toggle Clamps

D SERİ / D SERIES

Montaj Tipi: Dikey Taban
Body Mounting Base: Vertical



E PATLATILMIŞ
EXPLODE



ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY	ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	D Gövde	2	8	Yay Askı Civatası	1
2	Mafsal	2	9	Somun	1
3	Baskı Kolu	1	10	Lama Uc Bağlantı Somunu	1
4	Saç Mafsal	1	11	Fiberli Somun	1
5	Yüzük	2	12	Baskı Pabucu	1
6	Kaynak Otomatı	1	13	Tutamak Laması	1
7	Tırtıllı Pim	2	14	Tutamak	1

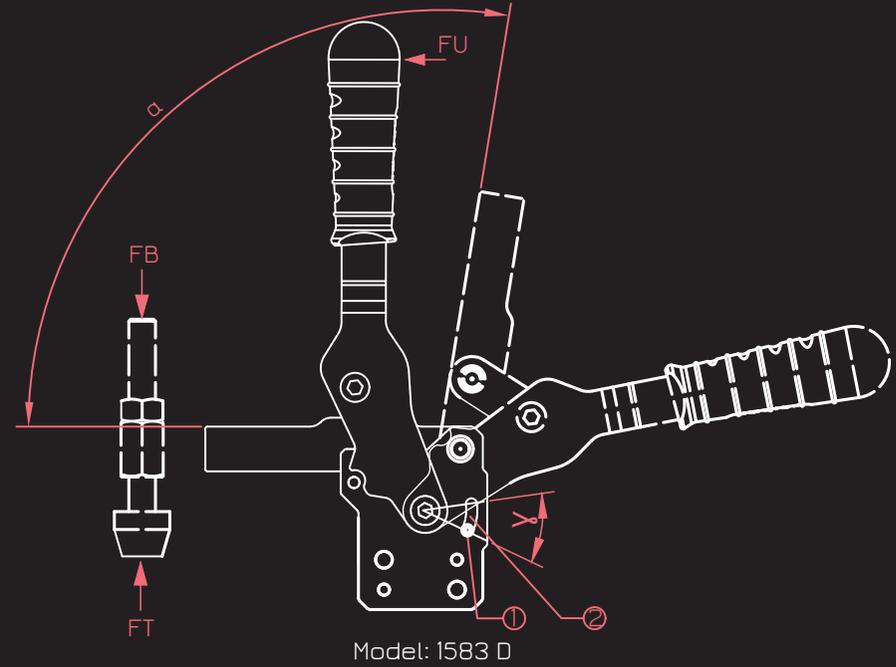
Görsellerde verilen ürün, model kodu farklılıklarına göre değişiklik gösterebilir. / The product shown in the images may differ from some others depending on the model code differences.



AÇI, HAREKET ve KUVVET ANALİZİ ANGLE, MOTION and FORCE ANALYSIS

MODEL	$\alpha^{\circ}(+5^{\circ})$	γ°	FT(N)	FB(N)	FU FB:FU	Ağırlık (Kg) (Weight)
1581 D	90	-	2600	850	5:1	0,37
1583 D	80-146	33	4500	1000	5:1	1,4

FT:TUTMA KAPASİTESİ (HOLDING CAPACITY), FB: BASKI KUVVETİ (CLAMPING FORCE),
FU: UYGULAMA KUVVETİ (APPLIED FORCE)



Model: 1583 D

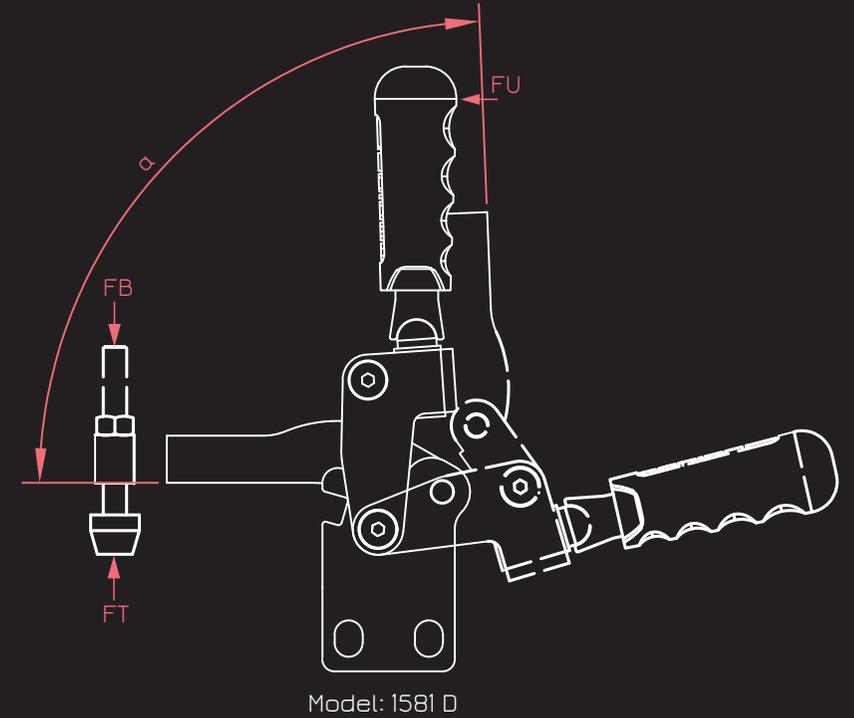
AYARLANABİLİR POZİSYON AÇISI

- Clampin konumlamasını yapınız.
- Çalışmak istediğiniz açı pozisyonunu belirleyiniz.
- Ayar vidasını (1) açı ayar kanalı (2) içerisinde sıkarak sabitleyiniz.

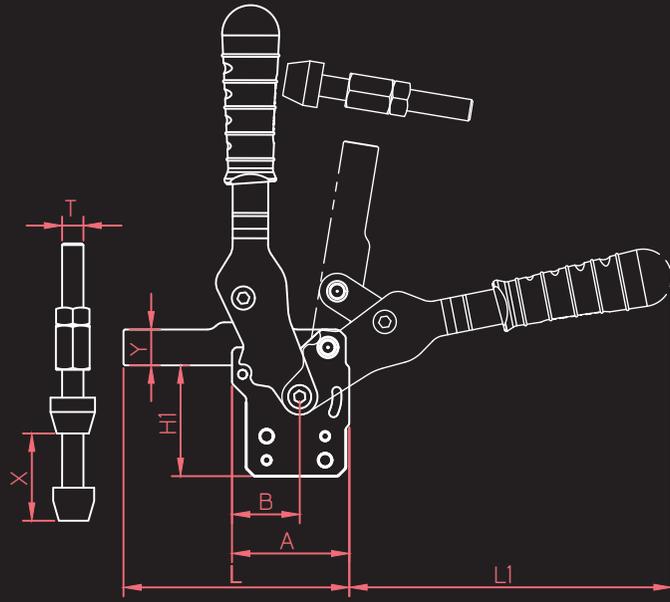
ADJUSTABLE LOCKING MECHANISM

- Fix clamp in clamping position
- Set the angle position you want to work on.
- Secure the adjustment screw (1) in the angle adjustment channel (2).

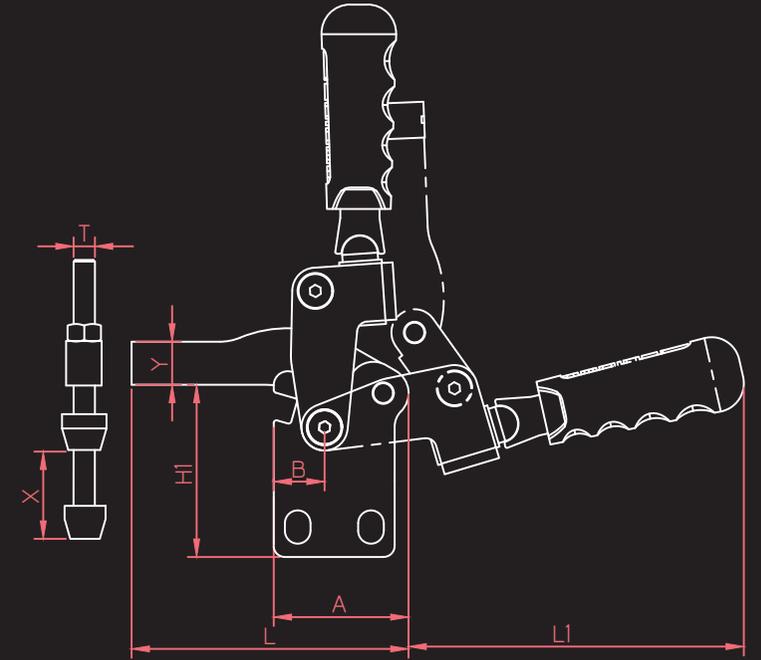
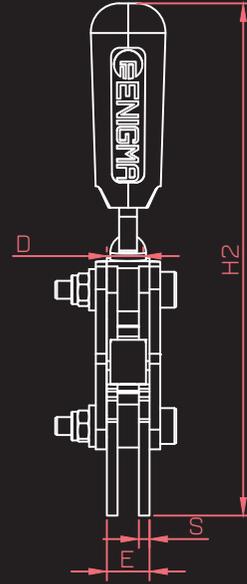
Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice



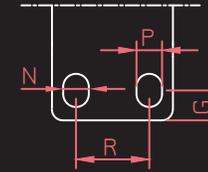
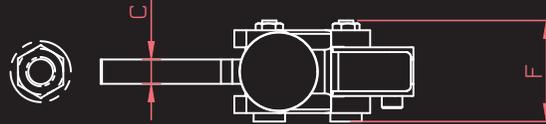
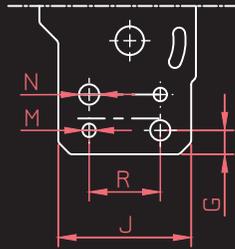
Model: 1581 D



Model: 1583 D



Model: 1581 D



ÖLÇÜLENDİRME
DIMENSIONS

MODEL	A	B	C	D	E	F	G	H1	H2	J	K	L	L1	ØM	N	P	R	S	T	Y	X
1581 D	38	14,3	6	10	12	34	8	47	153	34	10	88	98,5	-	7,5	7x9	20	3	M5	12	22
1583 D	66	38,1	10	-	20	44,5	10	65	265	56	-	127	190	5,6	8,5	-	30	5	M12	20	51

* L kol boyu için özel üretime uygun sipariş verebilirsiniz. / *This item is available upon request

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir / Dimensions and technical information are subject to change without notice



POZİSYON AYARLI ve KİLİTLİ AĞIR SERİ DİKEY BAĞLANTI ELEMENLARI

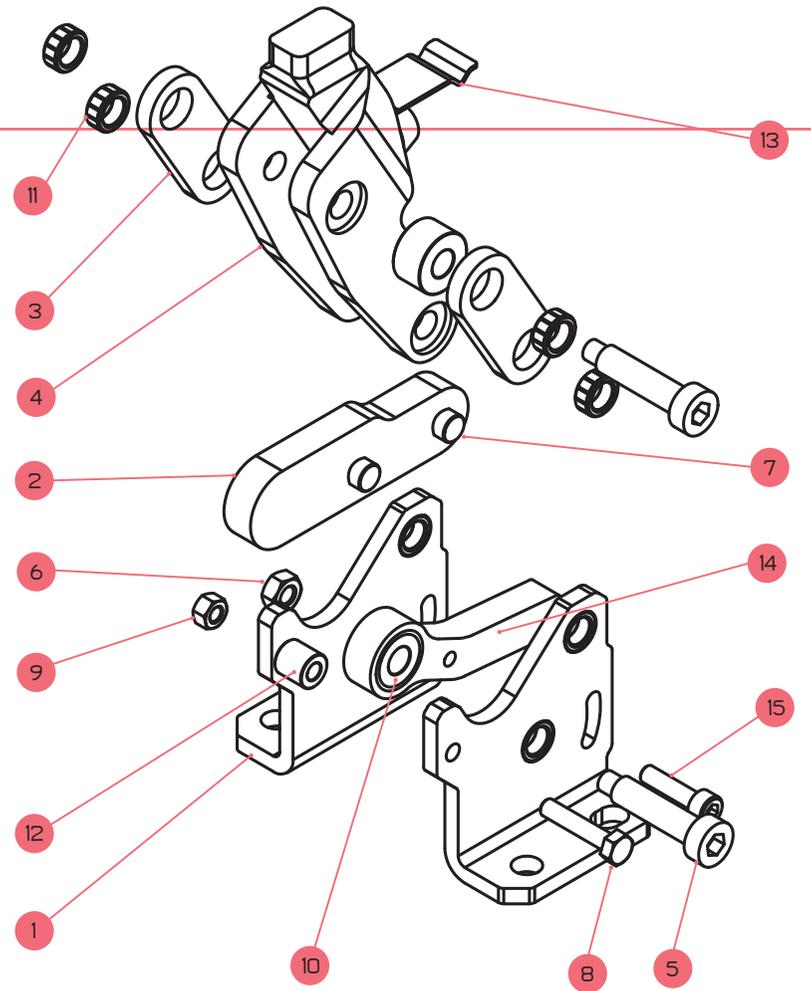
Position Adjustable and
Locked Heavy Series Vertical
Toggle Clamps

Y SERİ / Y SERIES

Montaj Tipi: Yatay Taban
Body Mounting Base: Horizontal



E PATLATILMIŞ
EXPLODE



ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY	ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	Y Gövde	2	9	Somun	1
2	Baskı Kolu	1	10	Burç	1
3	Mafsalsal	2	11	Burç	8
4	Dövme Mafsalsal	1	12	Burç	1
5	Yay Askı Cıvatası	2	13	Kilit Yayı	1
6	Fiberli Somun	2	14	Kilitli Gövde	1
7	Tırtıllı Pim	2	15	Açı Ayar Vidası	1
8	İmbul Cıvata	1			



AÇI, HAREKET ve KUVVET ANALİZİ ANGLE, MOTION and FORCE ANALYSIS

MODEL	$\alpha^{\circ}(+5^{\circ})$	β°	γ°	Max.Holding Capacity (N)	Ağırlık (Kg) (Weight)
1513 Y	93-163	62-95	33	7000	1.04
1515 Y	106-172	62-95	33	11000	1.60

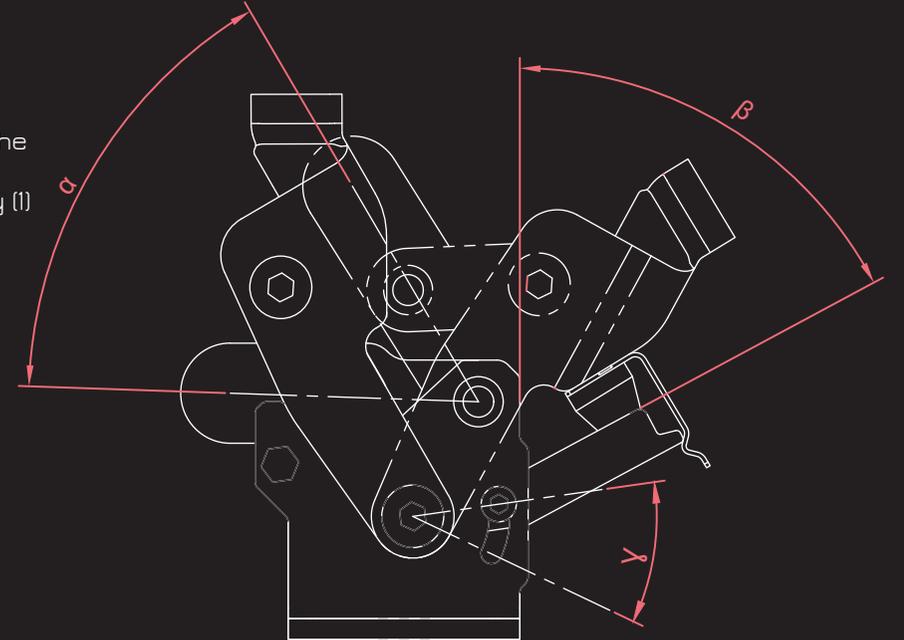
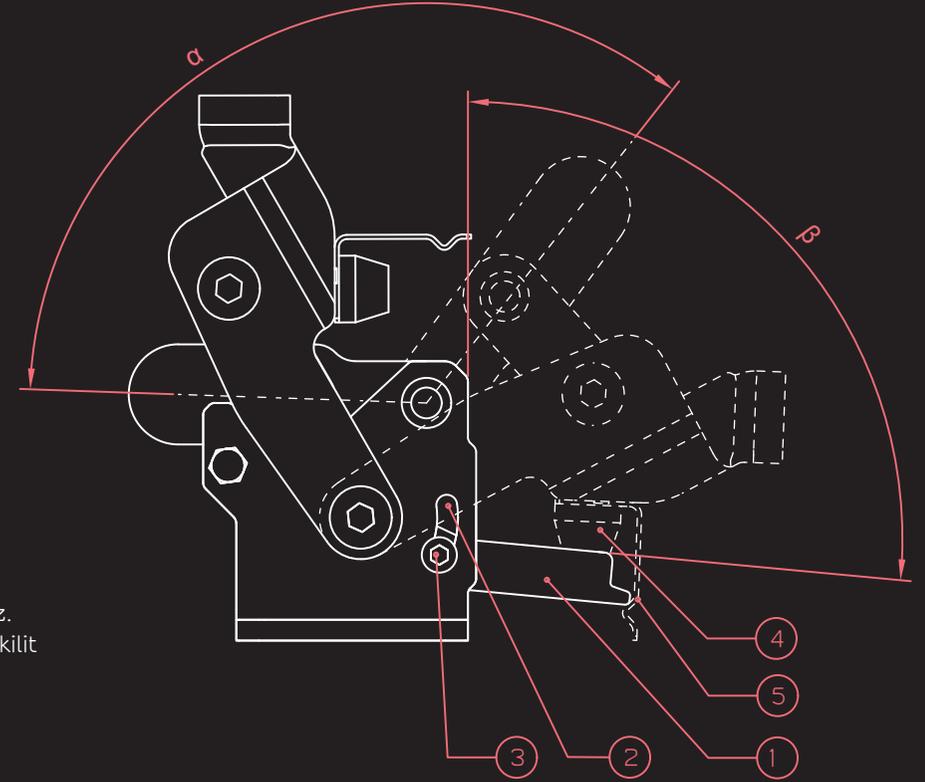
AYARLANABİLİR KİLİTLEME MEKANİZMASI

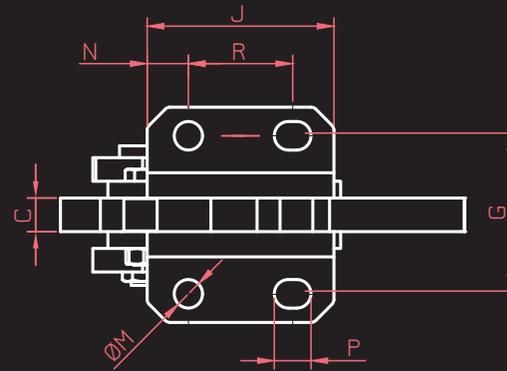
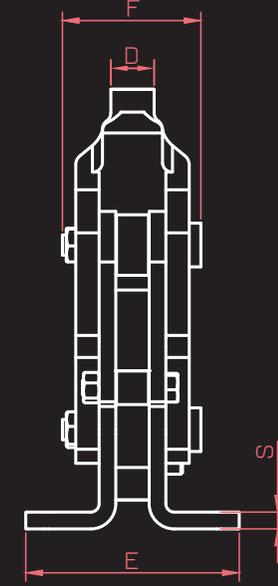
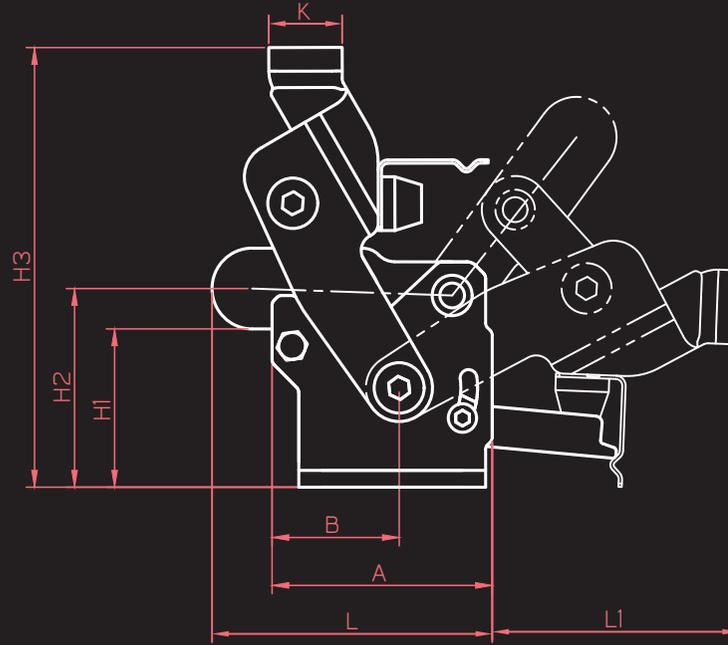
- Clampin konumlamasını yapınız.
- Çalışmak istediğiniz açı pozisyonunu belirleyiniz.
- Kilit gövdesini (1) açı ayar kanalı (2) içerisinde, ayar vidası (3) ile sıkarak sabitleyiniz.
- Açılma pozisyonunda darbe emici kauçuk (4) kilit gövdesine (1) çarparak durur ve kilit yayı (5) clampi kilitlet.

ADJUSTABLE LOCKING MECHANISM

- Fix clamp in clamping position
- Set the angle position you want to work on.
- Secure the lock body (1) in the angle adjustment channel (2) by tightening it with the adjustment screw (3).
- In the open position, the impact absorbing rubber (4) strikes against the lock body (1) and the lock spring (5) locks the clamp.

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir
Dimensions and technical information are subject to change without notice



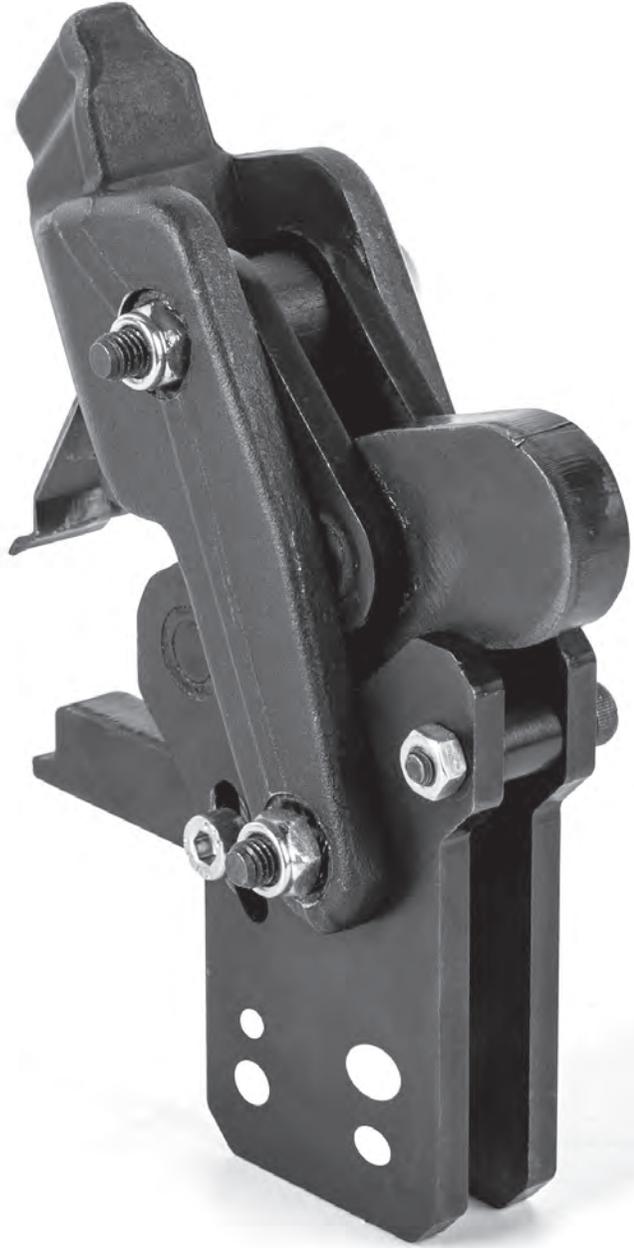


ÖLÇÜLENDİRME
DIMENSIONS

MODEL	A	B	C	D	E	F	G	H1	H2	H3	J	K	L	L1	ØM	N	P	R	S
1513 Y	66	38	10	13	64	42	47	47	59	130	56	22	84	79	Ø8,5	12,4	8,5x11	30-32,5	5
1515 Y	80	45	12	13	74	60	53	53	67	142	70	24	103,3	81	Ø10,5	12	10,5x13	45-47,5	5

* L kol boyu için özel üretime uygun sipariş verebilirsiniz. / *This item is available upon request

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir / Dimensions and technical information are subject to change without notice



POZİSYON AYARLI ve KİLİTLİ AĞIR SERİ DİKEY BAĞLANTI ELEMENLARI

Position Adjustable and
Locked Heavy Series Vertical
Toggle Clamps

D SERİ / D SERIES

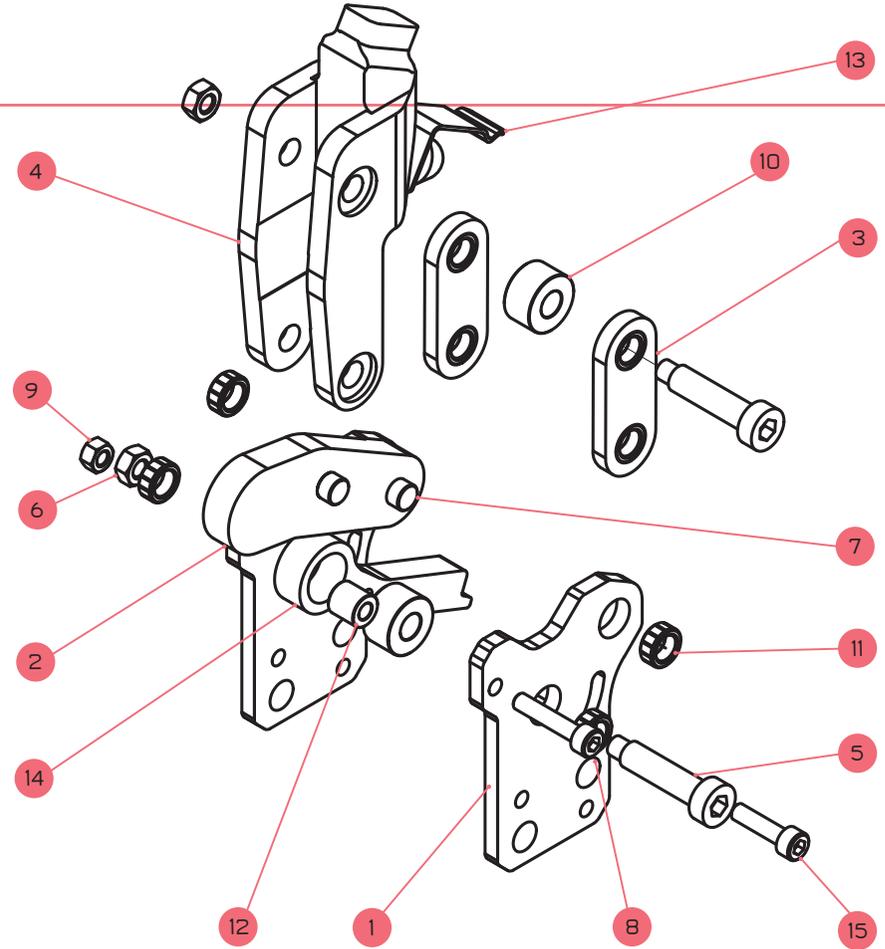
Montaj Tipi: Dikey Taban
Body Mounting Base: Vertical



ENIGMA
clamp



E | PATLATILMIŞ
EXPLODE



ÖGE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	D Gövde	2
2	Baskı Kolu	1
3	Mafsalsal	2
4	Dövme Mafsalsal	1
5	Yay Askı Civatası	2
6	Fiberli Somun	2
7	Tırtıllı Pim	2
8	İmbul Civata	1

ÖGE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
9	Somun	1
10	Burç	1
11	Burç	8
12	Burç	1
13	Kilit Yayı	1
14	Açı Ayar Vidası	1
15	Açı Ayar Vidası	1

Görsellerde verilen ürün, model kodu farklılıklarına göre değişiklik gösterilebilir. / The product shown in the images may differ from some others depending on the model code differences.



AÇI, HAREKET ve KUVVET ANALİZİ ANGLE, MOTION and FORCE ANALYSIS

MODEL	$\alpha^{\circ}(\pm 3^{\circ})$	$\beta^{\circ}(\pm 3)$	γ°	Max.Holding Capacity (N)	Ağırlık (Kg) (Weight)
1513 D	66-146	75-112	33	7000	1,02
1515 D	61-130	79-114	33	11000	1,50

FT:TUTMA KAPASİTESİ (HOLDING CAPACITY), FB: BASKI KUVVETİ (CLAMPING FORCE),
FU: UYGULAMA KUVVETİ (APPLIED FORCE)

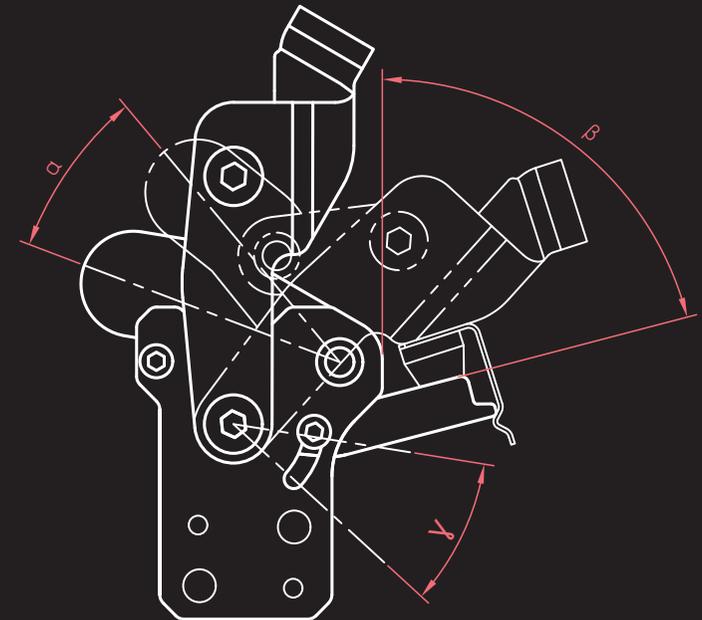
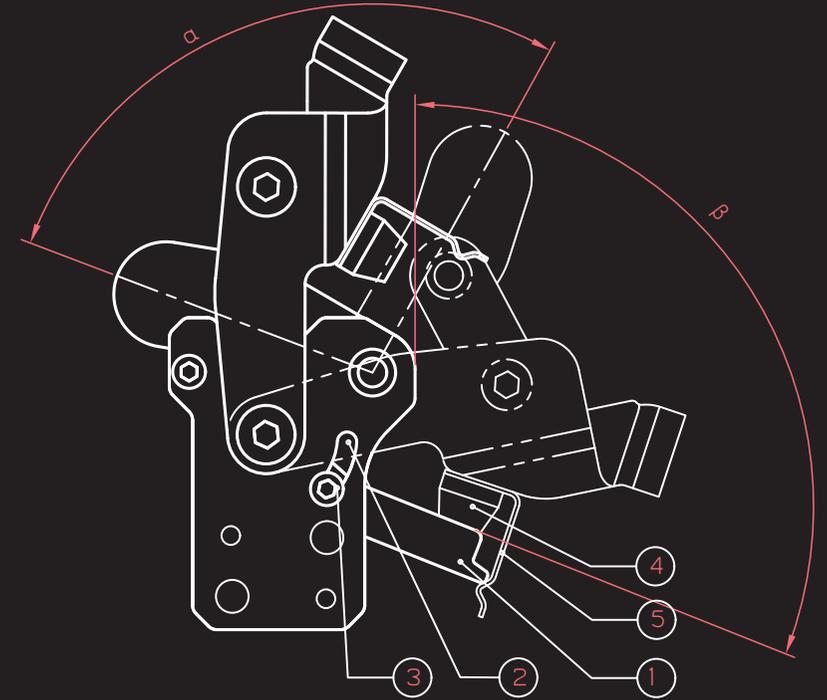
AYARLANABİLİR KİLİTLEME MEKANİZMASI

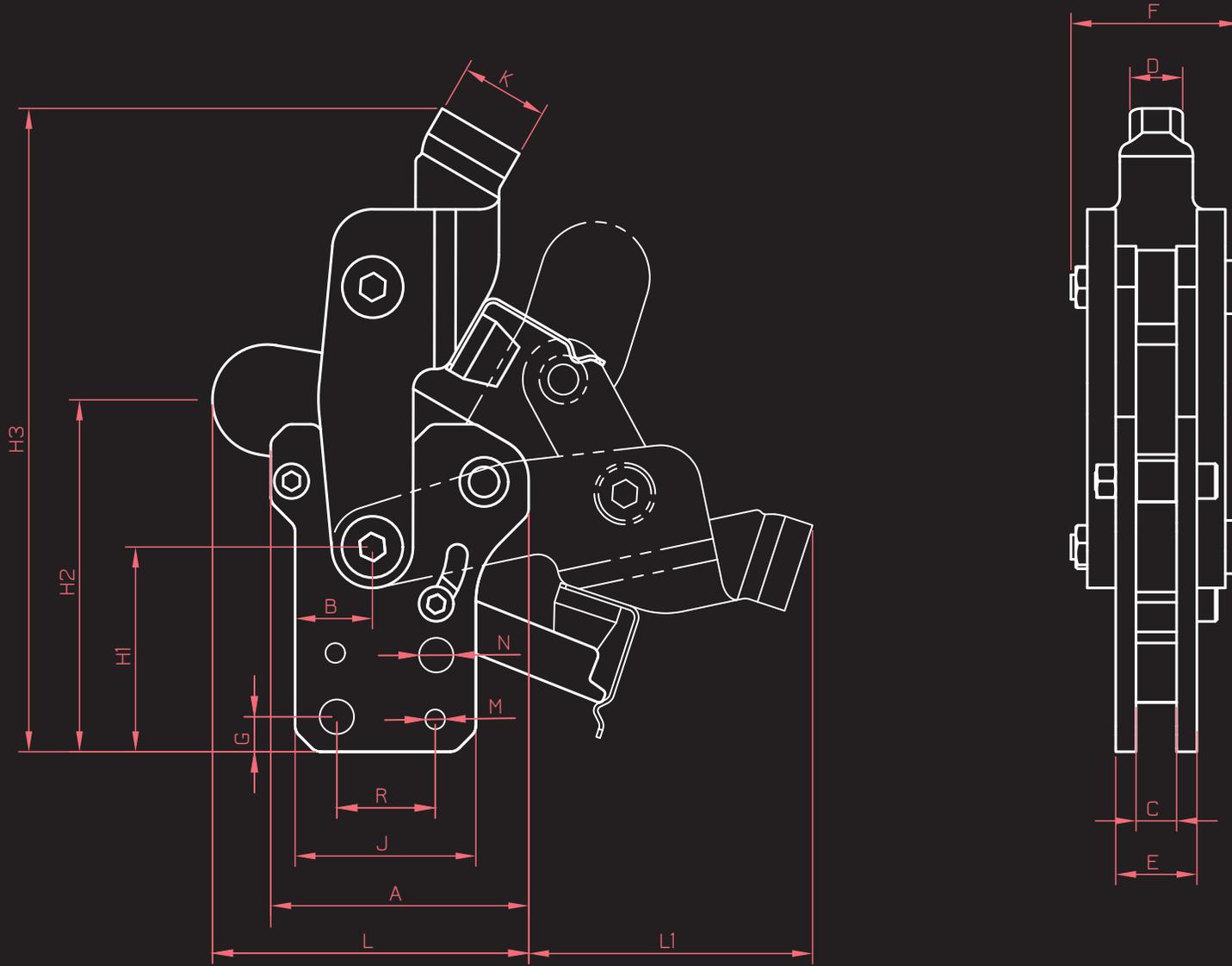
- Clampin konumlamasını yapınız.
- Çalışmak istediğiniz açı pozisyonunu belirleyiniz.
- Kilit gövdesini (1) açı ayar kanalı (2) içerisinde, ayar vidası (3) ile sıkarak sabitleyiniz.
- Açılma pozisyonunda darbe emici kauçuk (4) kilit gövdesine (1) çarparak durur ve kilit yayı (5) clampi kilitlet.

ADJUSTABLE LOCKING MECHANISM

- Fixclamp in clamping position
- Set the angle position you want to work on.
- Secure the lock body (1) in the angle adjustment channel (2) by tightening it with the adjustment screw (3).
- In the open position, the impact absorbing rubber (4) strikes against the lock body (1) and the lock spring (5) locks the clamp.

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir
Dimensions and technical information are subject to change without notice





ÖLÇÜLENDİRME
DIMENSIONS

MODEL	A	B	C	D	E	F	G	H1	H2	H3	J	K	L	L1	N	M	R
1513 D	63,5	19	10	13	20	42	10	50	86	157	44,5	22	77,8	70	8,5	5,7	22,9
1515 D	76	21	12	13	22	60	12	64	103	184	53	24	95,7	73	10,5	7,7	35,9

* L kol boyu için özel üretime uygun sipariş verebilirsiniz. / *This item is available upon request

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir / Dimensions and technical information are subject to change without notice



POZİSYON AYARLI ve KİLİTLİ AĞIR SERİ DİKEY BAĞLANTI ELEMENLARI

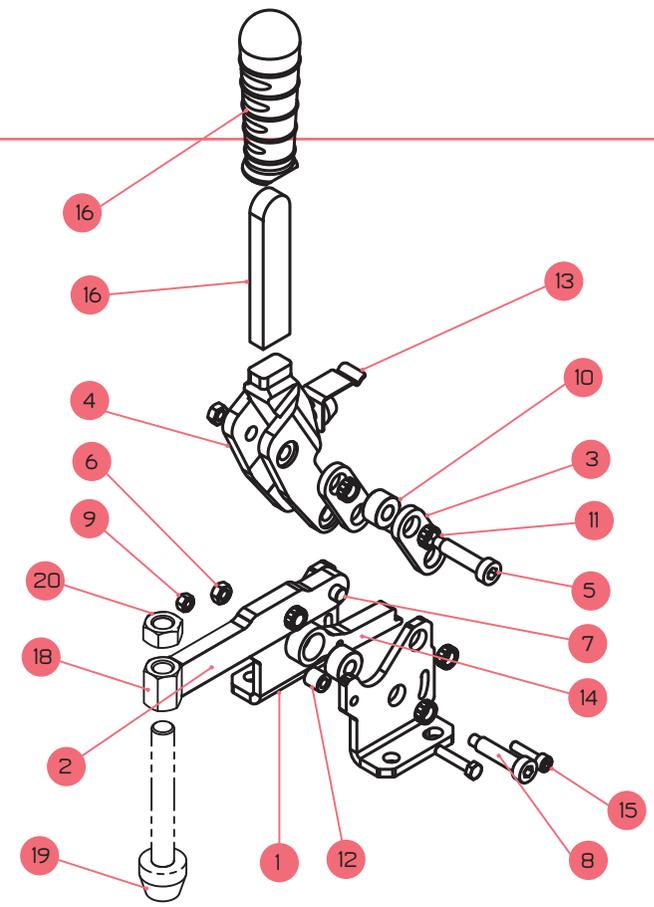
Position Adjustable and
Locked Heavy Series Vertical
Toggle Clamps

Y-K SERİ / Y-K SERIES

Montaj Tipi: Yatay Taban
Body Mounting Base: Horizontal



E PATLATILMIŞ
EXPLODE



ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	Y Gövde	2
2	Baskı Kolu	1
3	Mafsal	2
4	Dövme Mafsal	1
5	Yay Askı Cıvatası	2
6	Fiberli Somun	2
7	Tırtıllı Pim	2
8	İmbus Cıvata	1
9	Somun	1
10	Yüzük	2

ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
11	Burç	8
12	Burç	1
13	Kilitli Yay	1
14	Kilitli Gövde	1
15	Açı Ayar Videsi	1
16	Tutamak Lambası	1
17	Tutamak	1
18	Lama Uç Bağlantı Somunu	1
19	Baskı Pabucu	1
20	Konta Somun	1

Görsellerde verilen ürün, model kodu farklılıklarına göre değişiklik gösterilebilir. / The product shown in the images may differ from some others depending on the model code differences.



AÇI, HAREKET ve KUVVET ANALİZİ ANGLE, MOTION and FORCE ANALYSIS

MODEL	$\alpha^{\circ}(+5^{\circ})$	β°	γ°	FT(N)	FB(N)	FU FB:FU	Ağırlık (Kg) (Weight)
1553 Y	53-126	62-95	33	5000	1500	5:1	1,60
1555 Y	63-132	62-95	33	6500	2400	5:1	2,70

FT:TUTMA KAPASİTESİ (HOLDING CAPACITY), FB: BASKI KUVVETİ (CLAMPING FORCE),
FU: UYGULAMA KUVVETİ (APPLIED FORCE)

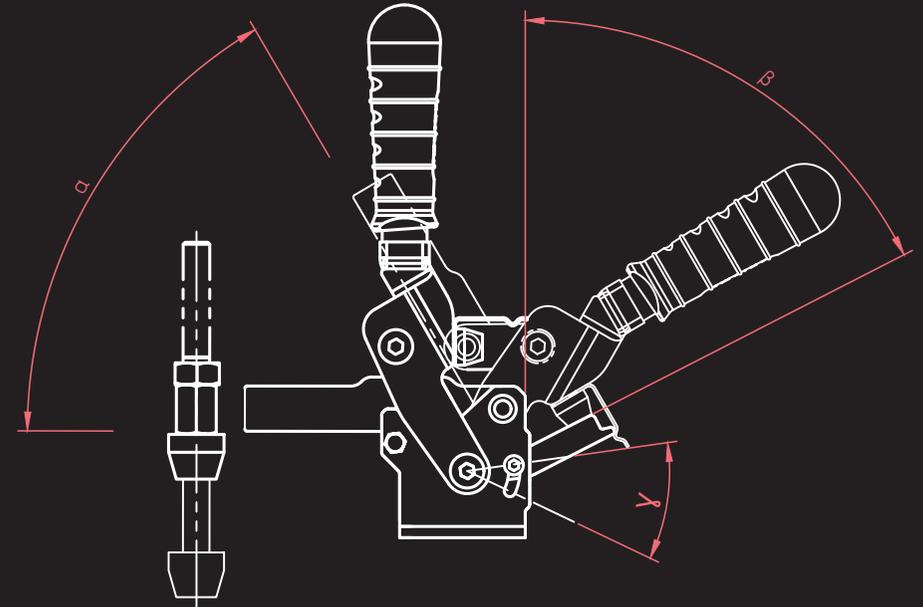
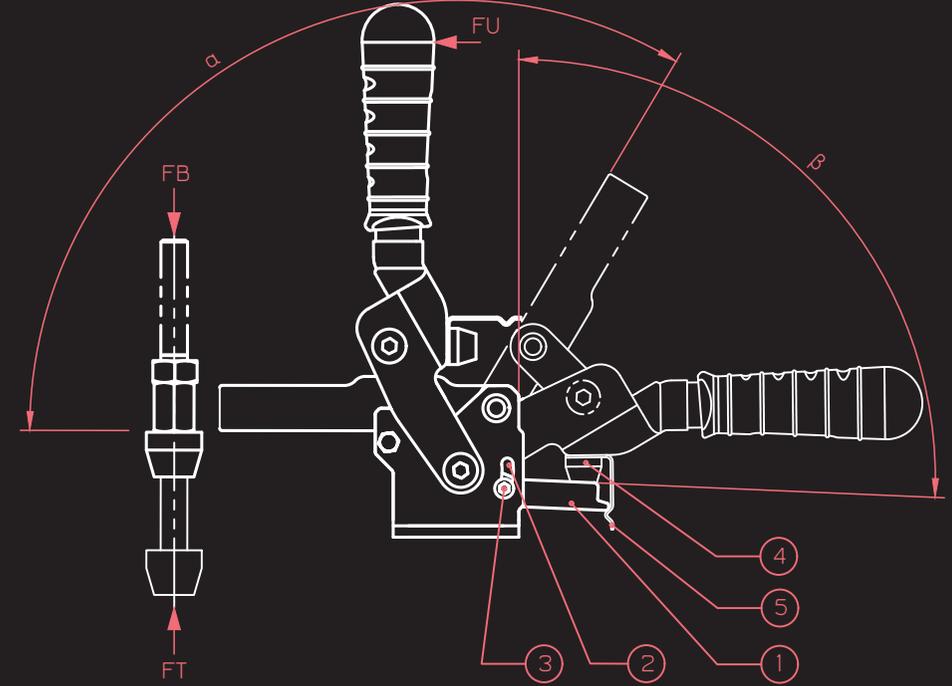
AYARLANABİLİR KİLİTLEME MEKANİZMASI

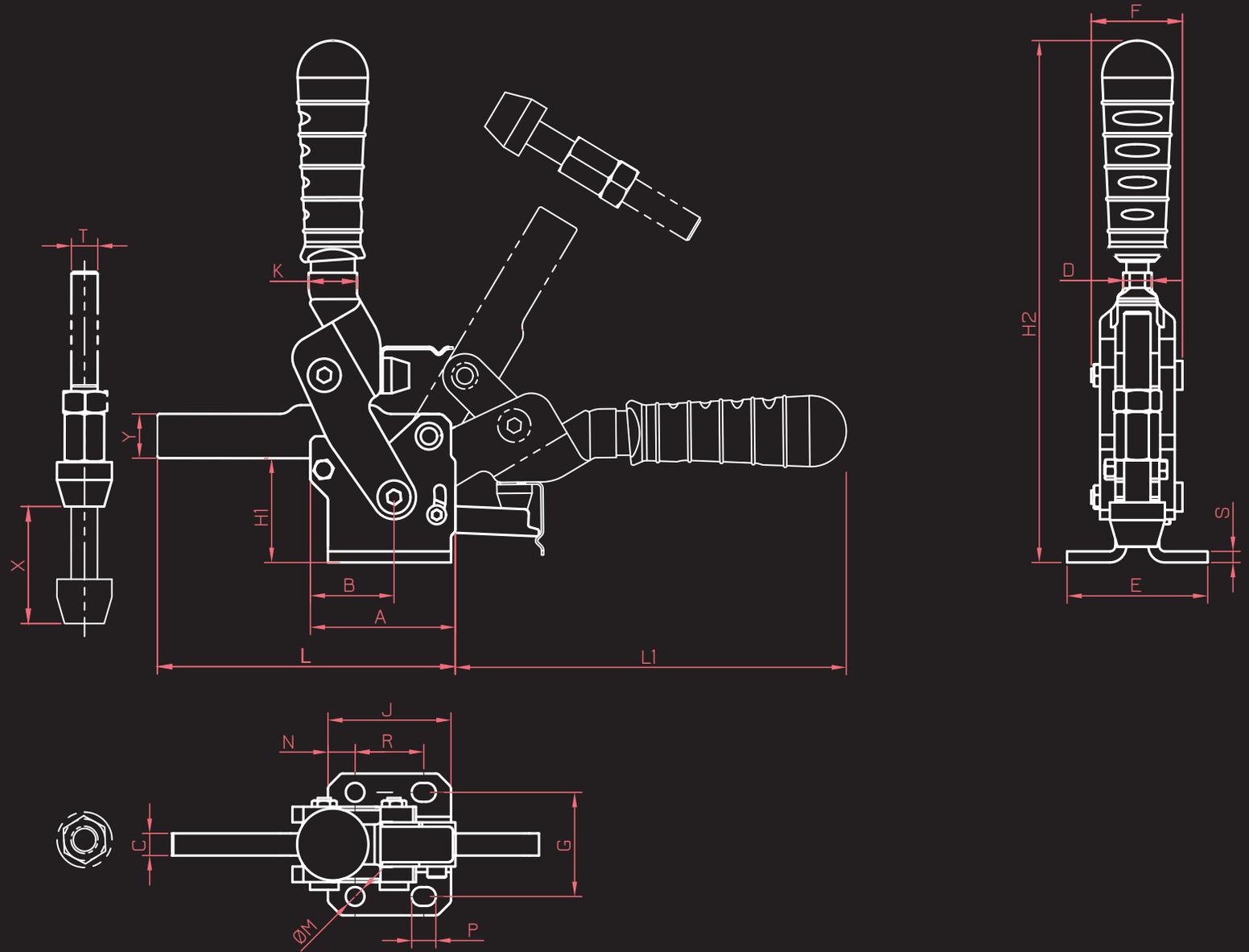
- Clampin konumlamasını yapınız.
- Çalışmak istediğiniz açı pozisyonunu belirleyiniz.
- Kilit gövdesini (1) açı ayar kanalı (2) içerisinde, ayar vidası (3) ile sıkarak sabitleyiniz.
- Açılma pozisyonunda darbe emici kauçuk (4) kilit gövdesine (1) çarparak durur ve kilit yayı (5) clampi kilitletler.

ADJUSTABLE LOCKING MECHANISM

- Fix clamp in clamping position
- Set the angle position you want to work on.
- Secure the lock body (1) in the angle adjustment channel (2) by tightening it with the adjustment screw (3).
- In the open position, the impact absorbing rubber (4) strikes against the lock body (1) and the lock spring (5) locks the clamp.

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir
Dimensions and technical information are subject to change without notice





ÖLÇÜLENDİRME
DIMENSIONS

MODEL	A	B	C	D	E	F	G	H1	H2	J	K	L	L1	ØM	N	P	R	S	T	Y	X
1553 Y	66	38	10	13	64	42	47	47	247,6	56	22	144,5	186	Ø8,5	12,4	8,5x11	30-32,5	5	M12	20	38
1555 Y	80	45	12	13	74	60	53	53	274	70	24	180	211	Ø10,5	12	10,5x13	45-47,5	5	M12	22,5	45

* L kol boyu için özel üretime uygun sipariş verebilirsiniz. / *This item is available upon request

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir / Dimensions and technical information are subject to change without notice



POZİSYON AYARLI ve KİLİTLİ AĞIR SERİ DİKEY BAĞLANTI ELEMENLARI

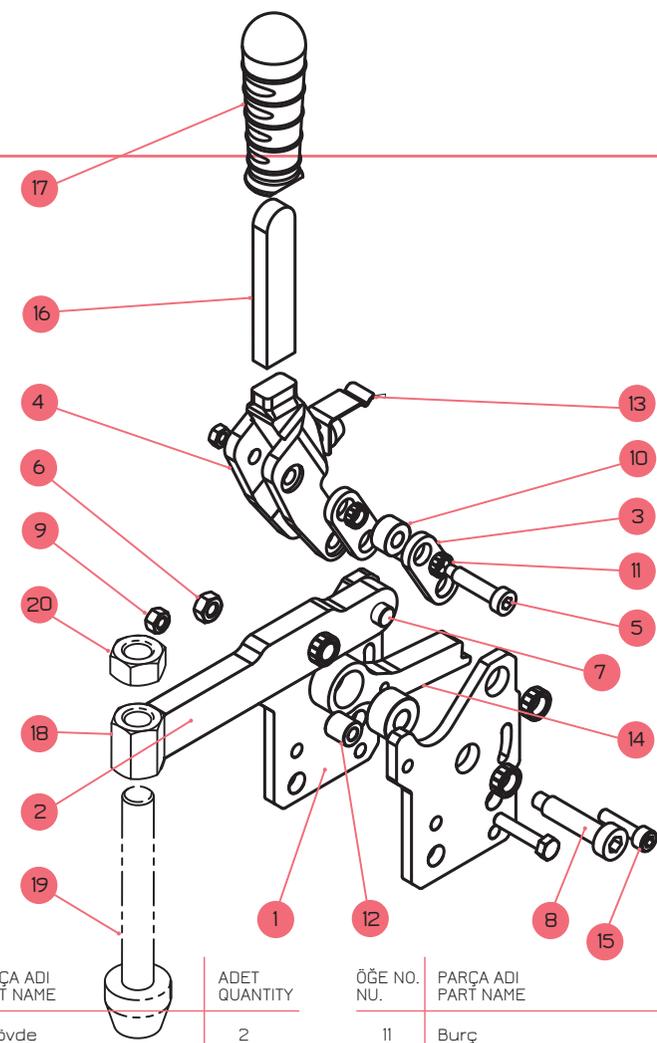
Position Adjustable and
Locked Heavy Series Vertical
Toggle Clamps

D SERİ / D SERIES

Montaj tipi: Dikey Taban
Body Mounting Base: Vertical



E PATLATILMIŞ
EXPLODE



ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY	ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	D Gövde	2	11	Burç	8
2	Baskı Kolu	1	12	Burç	1
3	Mafsal	2	13	Kilitli Yay	1
4	Dövme Mafsal	1	14	Kilitli Gövde	1
5	Yay Askı Civatası	2	15	Açı Ayar Videsi	1
6	Fiberli Somun	2	16	Tutamak Lambası	1
7	Tırtıllı Pim	2	17	Tutamak	1
8	İmbus Civata	1	18	Lama Uç Bağlantı Somunu	1
9	Somun	1	19	Baskı Pabucu	1
10	Yüzük	2	20	Konta Somun	1

Görsellerde verilen ürün, model kodu farklılıklarına göre değişiklik gösterir. / The product shown in the images may differ from some others depending on the model code differences.



AÇI, HAREKET ve KUVVET ANALİZİ ANGLE, MOTION and FORCE ANALYSIS

MODEL	$\alpha^{\circ}(+5^{\circ})$	β°	γ°	FT(N)	FB(N)	FU FB:FU	Ağırlık (Kg) (Weight)
1553 D	53-126	62-95	33	5000	1500	5:1	1,60
1555 D	63-133	62-95	33	6500	2400	5:1	2,70

FT:TUTMA KAPASİTESİ (HOLDING CAPACITY), FB: BASKI KUVVETİ (CLAMPING FORCE),
FU: UYGULAMA KUVVETİ (APPLIED FORCE)

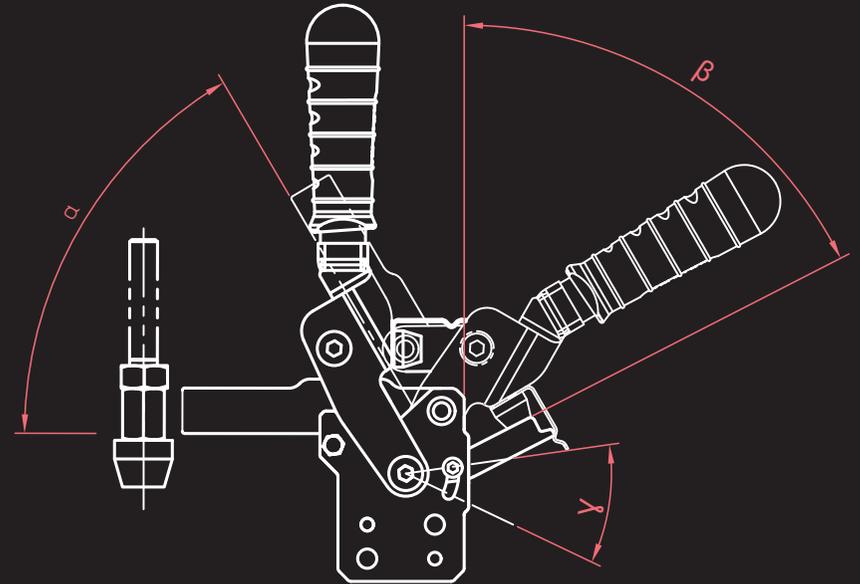
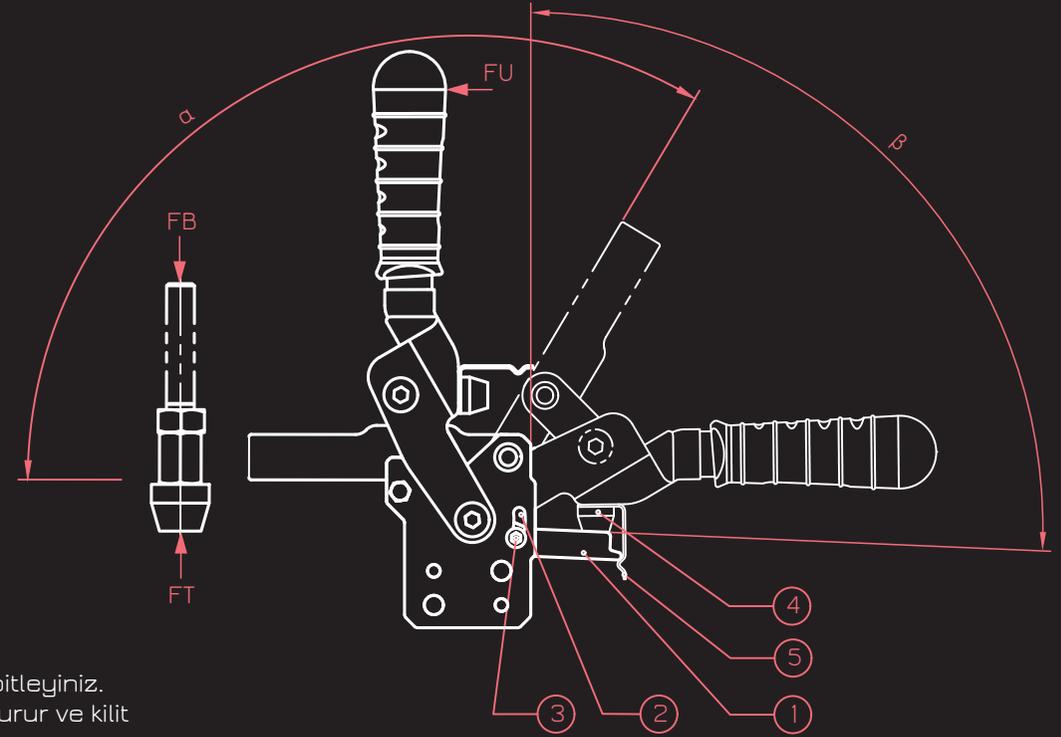
AYARLANABİLİR KİLİTLEME MEKANİZMASI

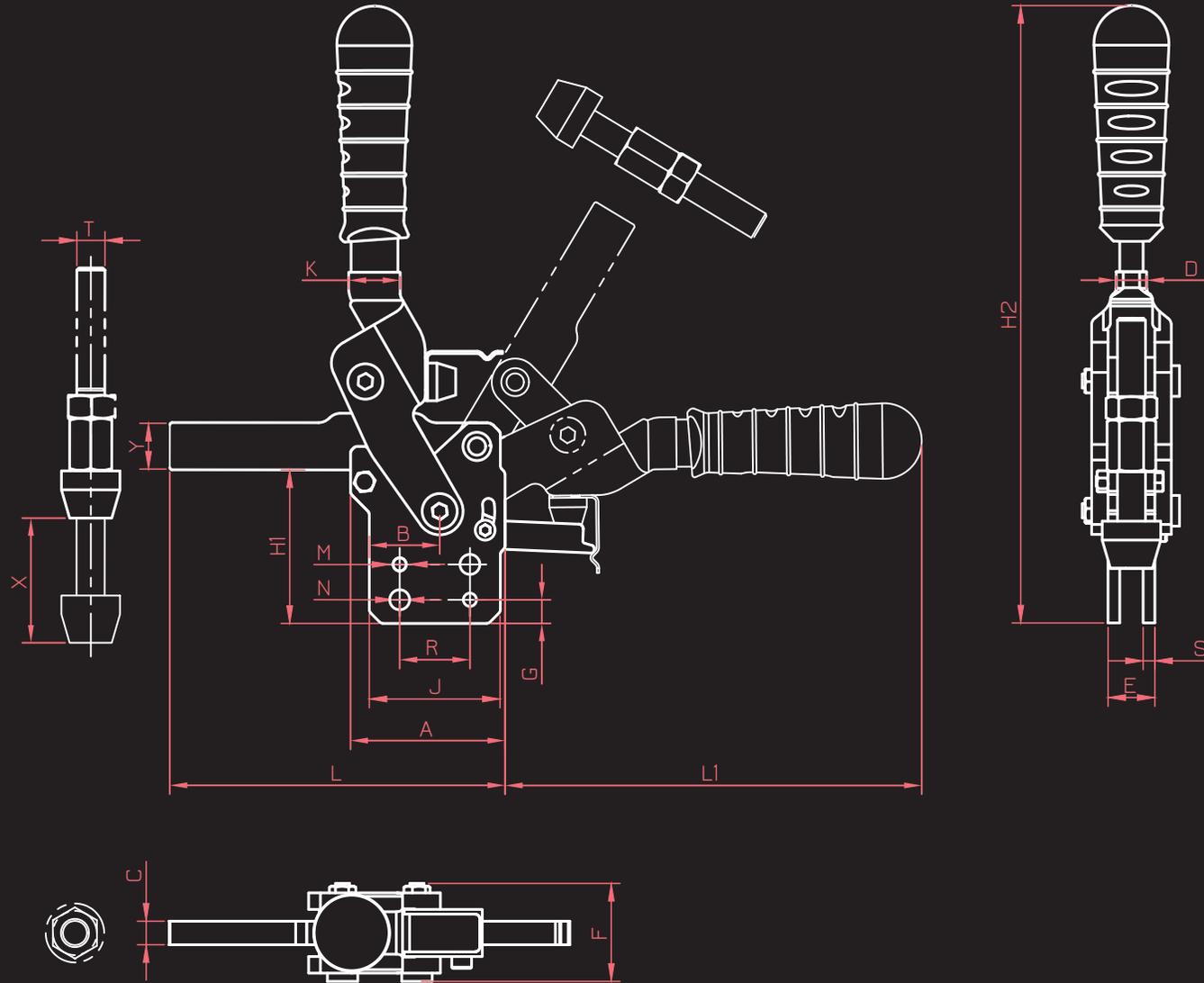
- Clampin konumlamasını yapınız.
- Çalışmak istediğiniz açı pozisyonunu belirleyiniz.
- Kilit gövdesini (1) açı ayar kanalı (2) içerisinde, ayar vidasını (3) ile sıkarak sabitleyiniz.
- Açılma pozisyonunda darbe emici kauçuk (4) kilit gövdesine (1) çarparak durur ve kilit yayı (5) clampi kilitlet.

ADJUSTABLE LOCKING MECHANISM

- Fix clamp in clamping position
- Set the angle position you want to work on.
- Secure the lock body (1) in the angle adjustment channel (2) by tightening it with the adjustment screw (3).
- In the open position, the impact absorbing rubber (4) strikes against the lock body (1) and the lock spring (5) locks the clamp.

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir
Dimensions and technical information are subject to change without notice





ÖLÇÜLENDİRME
DIMENSIONS

MODEL	A	B	C	D	E	F	G	H1	H2	J	K	L	L1	M	N	R	S	T	Y	X
1553 D	63,5	19	10	13	20	42	10	65	260	56	22	142	171,5	5,6	8,5	30	5	M12	20	50
1555 D	76	21	12	13	22	60	12	85	305	70	24	177,5	203,5	7,6	10,5	45	5	M12	24	50

* L kol boyu için özel üretime uygun sipariş verebilirsiniz. / *This item is available upon request

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir / Dimensions and technical information are subject to change without notice

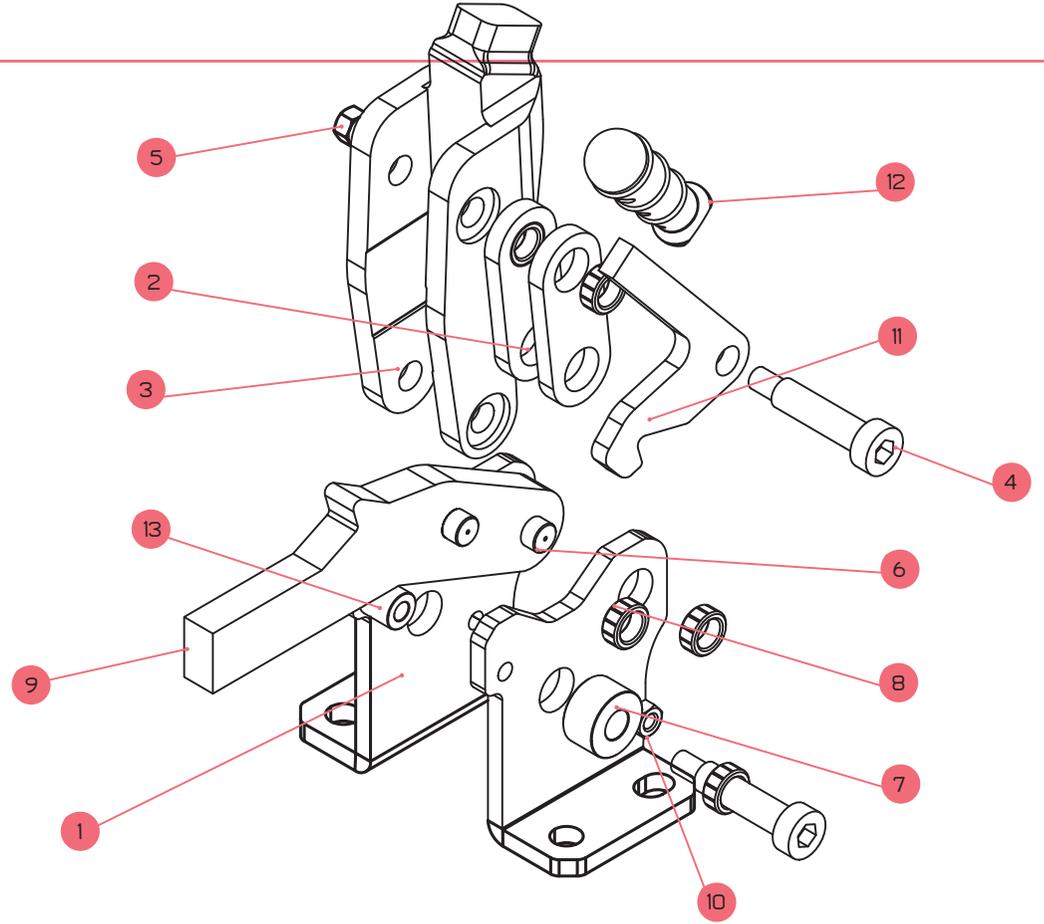


POZİSYON AYARLI ve KİLİTLİ AĞIR SERİ DİKEY BAĞLANTI ELEMENLARI

Position Adjustable and
Locked Heavy Series Vertical
Toggle Clamps

Y SERİ / Y SERIES

Montaj tipi: Yatay Taban
Body Mounting Base: Horizontal



E | PATLATILMIŐ
EXPLODE

GE NO. NU.	PARA ADI PART NAME	ADET QUANTITY	GE NO. NU.	PARA ADI PART NAME	ADET QUANTITY
1	Y Gvde	2	8	Bur	8
2	Mafsal	2	9	Baskı Kolu	1
3	Dvme Mafsal	1	10	Somun	2
4	Yay Askı Cıvatası	2	11	Kilit Mandalı	1
5	Fiberli Somun	2	12	Tutamak	1
6	Tırtıllı Pim	2	13	n Paralel Bur	1
7	Ara Mesafe Burcu	1			



AÇI, HAREKET ve KUVVET ANALİZİ
ANGLE, MOTION and FORCE ANALYSIS

MODEL K.	$\alpha^{\circ}(+5^{\circ})$	Max.Holding Capacity (N)	Ağırlık (Kg) (Weight)
1523 Y	112	5000	1,70
1525 Y	95	6500	2,80

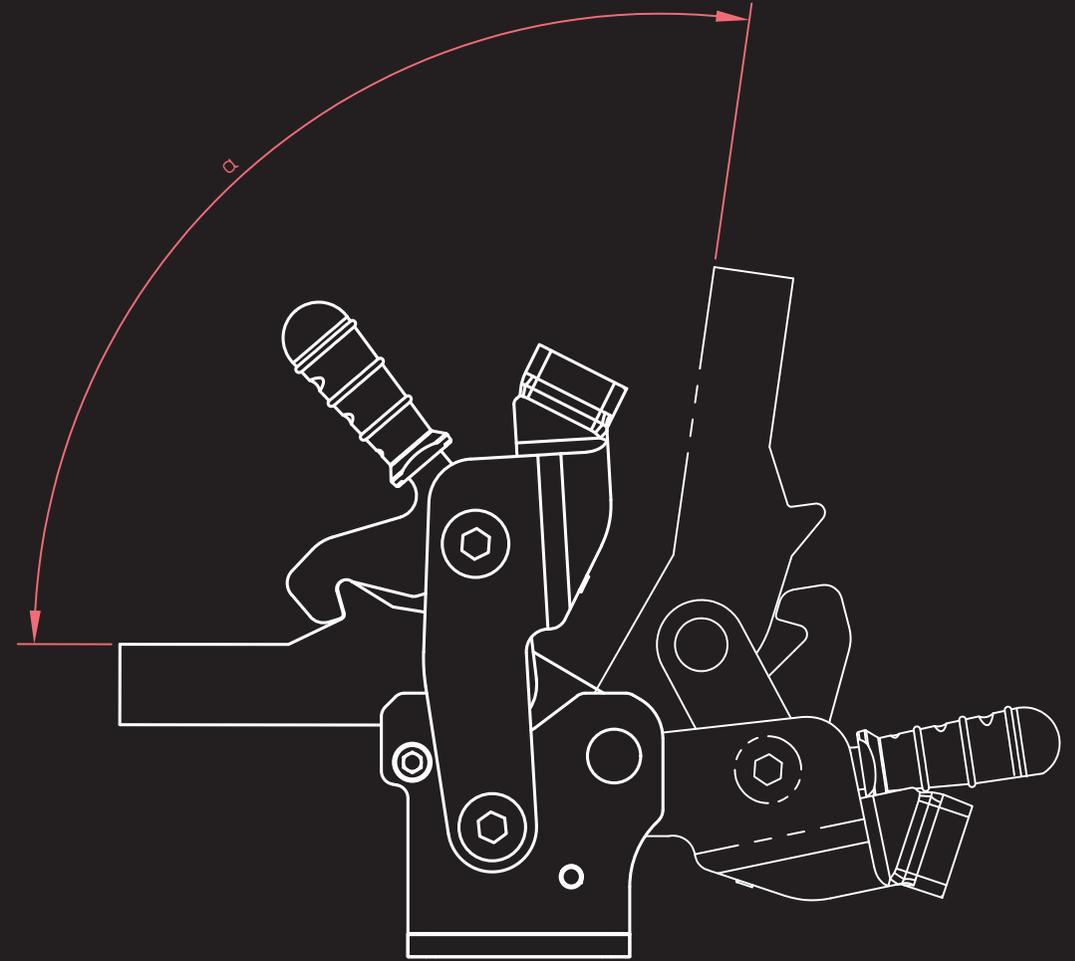
FT:TUTMA KAPASİTESİ (HOLDING CAPACITY), FB: BASKI KUVVETİ (EXERTING FORCE)

GÜVENLİK KİLİDİ

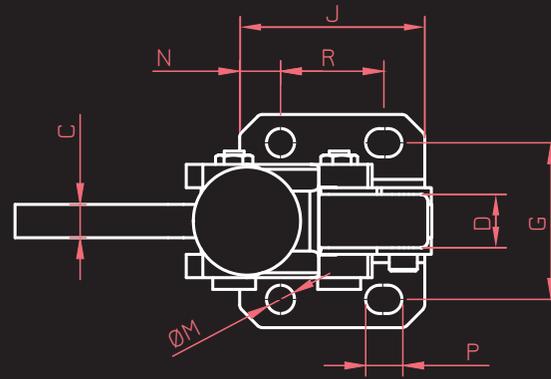
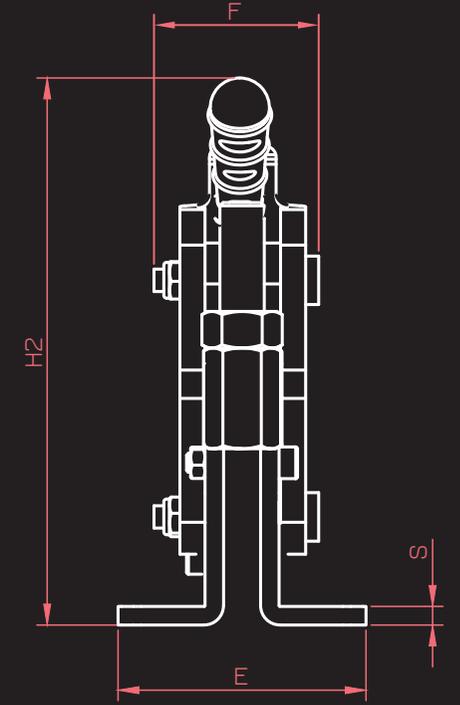
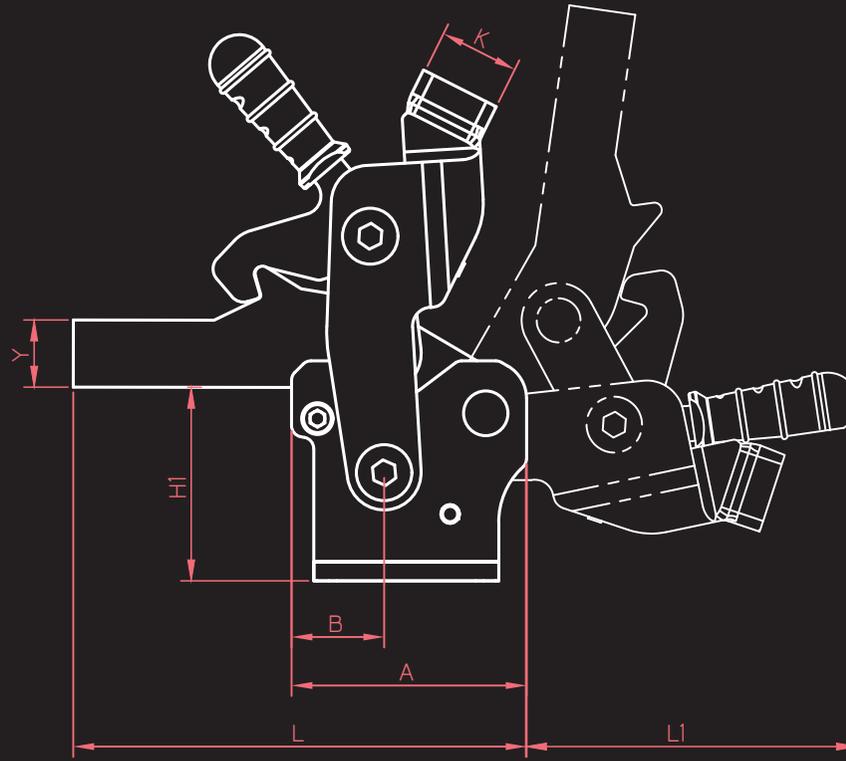
- A- Clampin konumlamasını yapınız.
- B- Çalışmak istediğiniz açı pozisyonunu belirleyiniz.
- C-Kilit mandalını açıp hareket işlemine başlayınız.

SECURITY LOCK

- A- Make the clamp positioning.
- B- Determine the angle position you want to work.
- C-Open the lock latch and start the movement process.



Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir
Dimensions and technical information are subject to change without notice



ÖLÇÜLENDİRME
DIMENSIONS

MODEL	A	B	C	D	E	F	G	H1	H2	J	K	L	L1	ØM	N	P	R	S	Y
1523 Y	63,5	25	10	13	67	42	47	47	147	56	22	124	79	Ø8,5	9,4	8,5x11	30-32,5	5	18
1525 Y	76	28,8	12	13	88,5	60	53	53	167	70	24	151	81	Ø10,5	10,5	10,5x13	45-47,5	5	24

* L kol boyu için özel üretime uygun sipariş verebilirsiniz. / *This item is available upon request

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir / Dimensions and technical information are subject to change without notice



KİLİTLİ AĞIR SERİ DİKEY BAĞLANTI ELEMENLARI

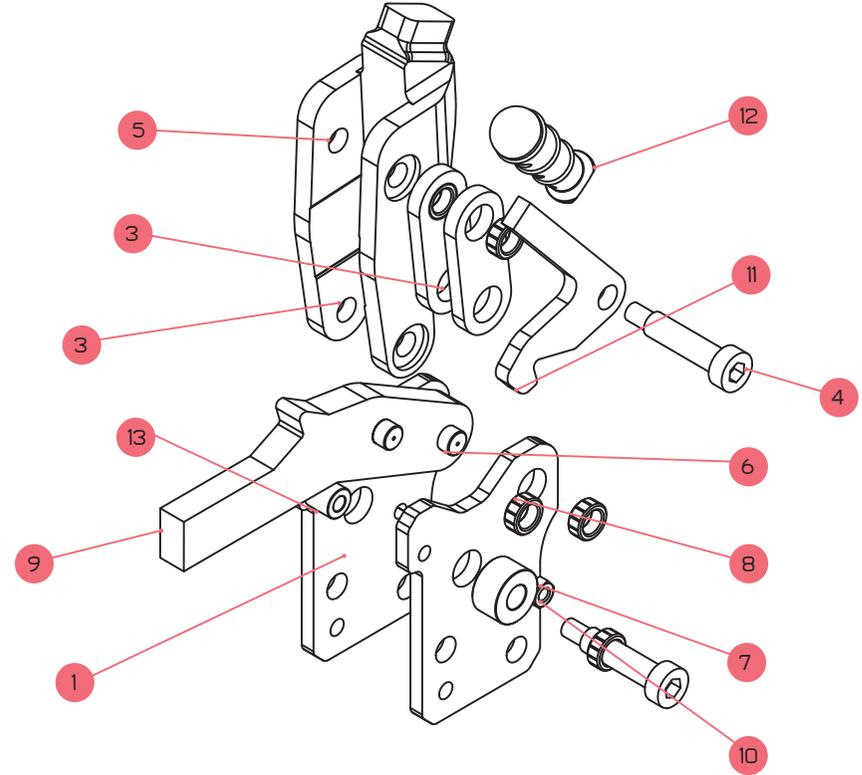
Locked Heavy Series Vertical
Toggle Clamps

D SERİ / D SERIES

Montaj tipi: Dikey Taban
Body Mounting Base: Vertical



ENIGMA
clamp



E | PATLATILMIŞ
EXPLODE

ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY	ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	D Gövde	2	8	Burç	8
2	Mafsal	2	9	Baskı Kolu	1
3	Dövme Mafsal	1	10	Somun	2
4	Yay Askı Cıvatası	2	11	Kilit Mandalı	1
5	Fiberli Somun	2	12	Tutamak	1
6	Tırtıllı Pim	2	13	Ön Paralel Burç	1
7	Ara Mesafe Burcu	1			

Görsellerde verilen ürün, model kodu farklılıklarına göre değişiklik gösterilebilir. / The product shown in the images may differ from some others depending on the model code differences.



AÇI, HAREKET ve KUVVET ANALİZİ
ANGLE, MOTION and FORCE ANALYSIS

MODEL K.	$\alpha^{\circ}(+5^{\circ})$	Max.Holding Capacity (N)	Ağırlık (Kg) (Weight)
1523 D	112	5000	1,60
1525 D	95	6500	2,70

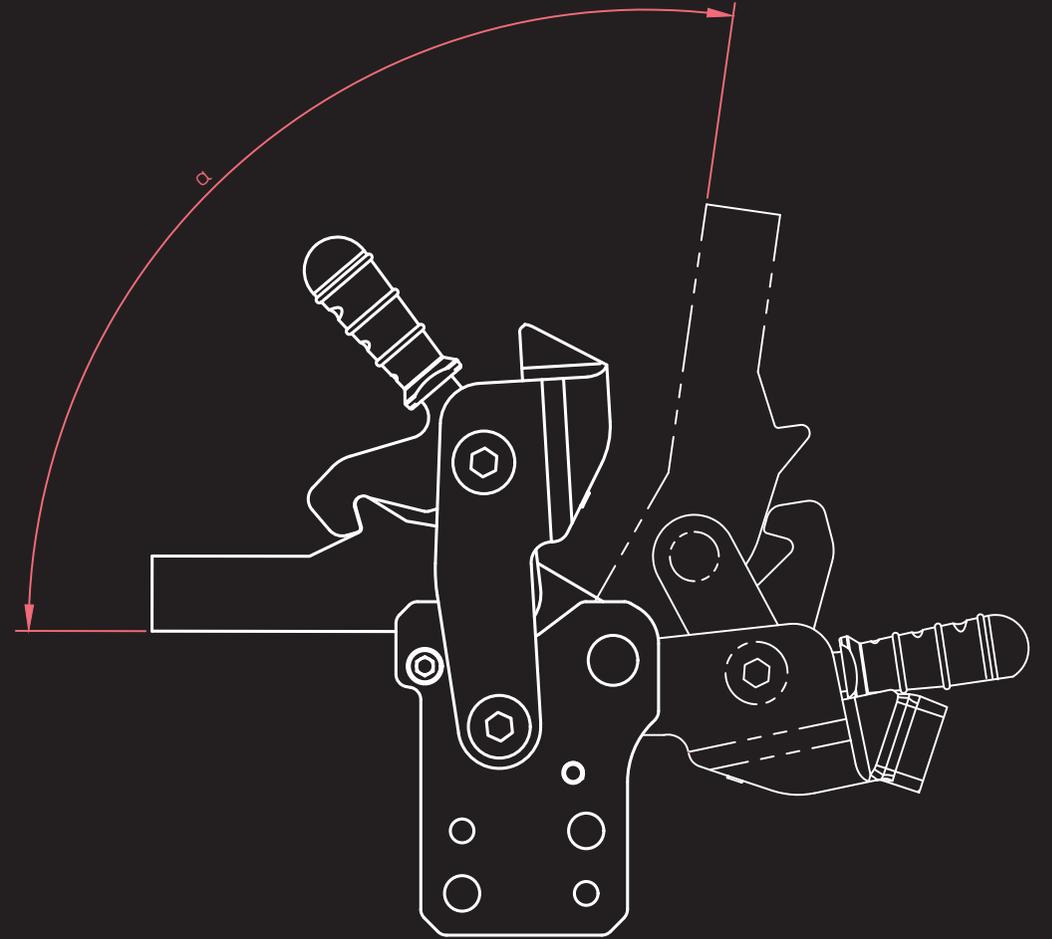
FT:TUTMA KAPASİTESİ (HOLDING CAPACITY), FB: BASKI KUVVETİ (EXERTING FORCE)

GÜVENLİK KİLİDİ

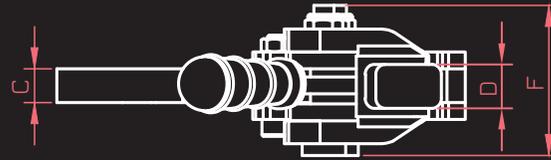
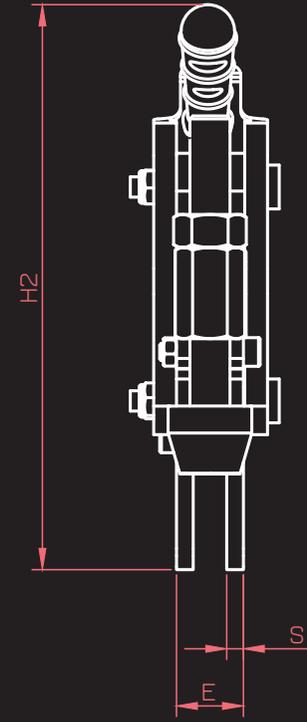
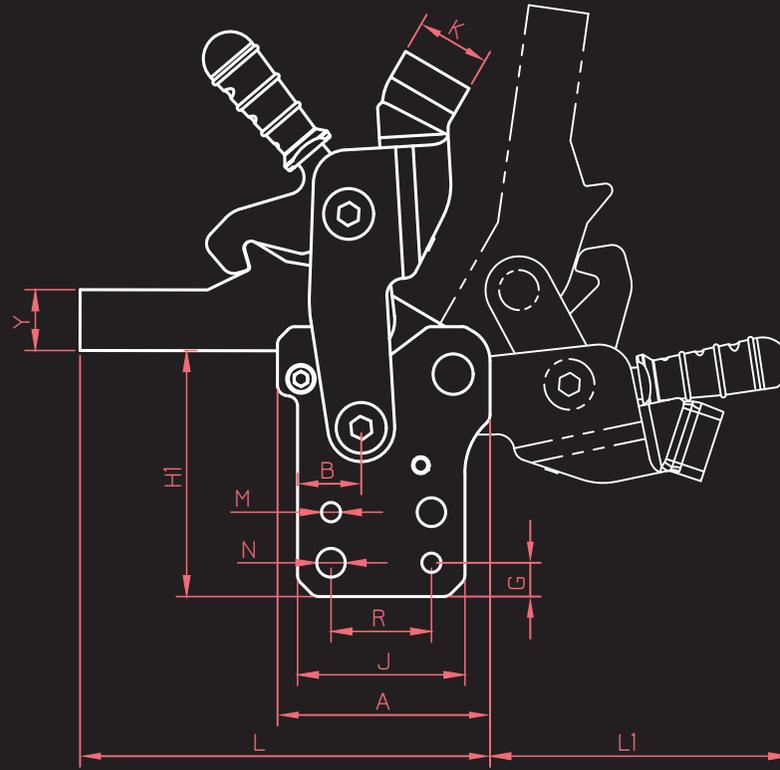
- A- Clampin konumlamasını yapınız.
- B- Çalışmak istediğiniz açı pozisyonunu belirleyiniz.
- C-Kilit mandalını açıp hareket işlemine başlayınız.

SECURITY LOCK

- A- Make the clampig positioning.
- B- Determine the angle position you want to work.
- C-Open the lock latch and start the movement process.



Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir
Dimensions and technical information are subject to change without notice



ÖLÇÜLENDİRME
DIMENSIONS

MODEL	A	B	C	D	E	F	G	H1	H2	J	K	L	L1	N	M	R	S	Y
1523 D	63,5	19	10	13	20	42	10	72,9	168	50	22	122,5	87,5	8,5	5,7	30	5	18
1525 D	76	21	12	13	22	60	12	86,9	197	53	24	143,5	97,5	10,5	7,7	30	5	24

* L kol boyu için özel üretime uygun sipariş verebilirsiniz. / *This item is available upon request

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir / Dimensions and technical information are subject to change without notice



POZİSYON AYARLI ve KİLİTLİ AĞIR SERİ DİKEY BAĞLANTI ELEMENLARI

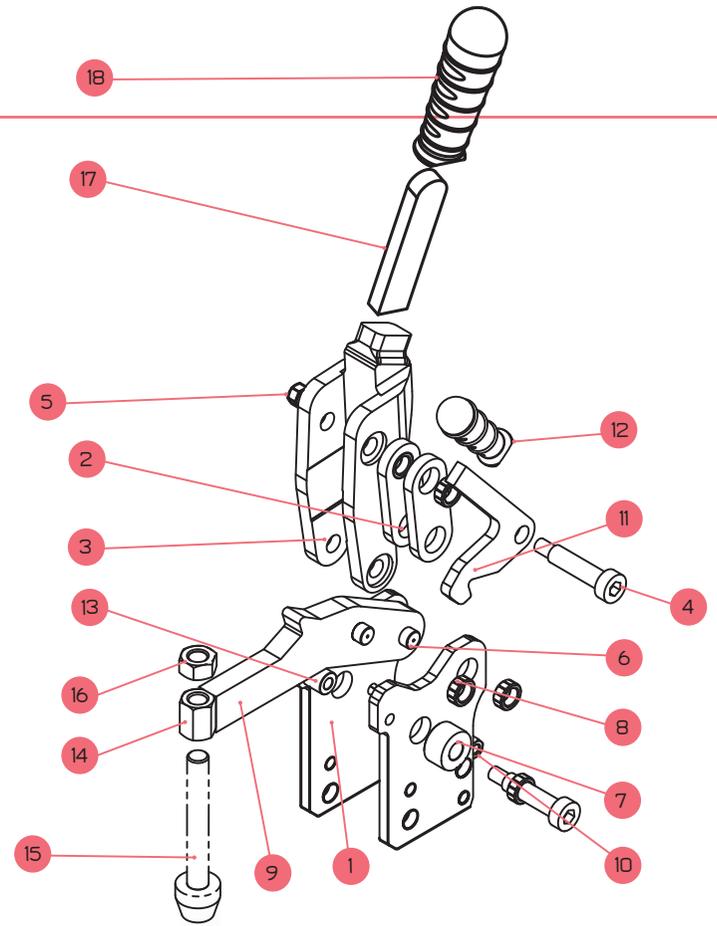
Position Adjustable and
Locked Heavy Series Vertical
Toggle Clamps

Y SERİ / Y SERIES

Montaj Tipi: Yatay Taban
Body Mounting Base: Horizontal



E PATLATILMIŞ
EXPLODE



ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	Y Gövde	2
2	Mafsal	2
3	Dövme Mafsal	1
4	Yay Askı Civatası	2
5	Fiberli Somun	2
6	Tırtıllı Pim	2
7	Ara Mesafe Burcu	1
8	Burç	8
9	Baskı Kolu	1

ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
10	Somun	2
11	Kilit Mandalı	1
12	Tutamak	1
13	Burç	1
14	Lama Uc Bağlantı Somunu	1
15	Baskı Pabucu	1
16	Kontra Somun	1
17	Tutamak Laması	1
18	Tutamak	1



AÇI, HAREKET ve KUVVET ANALİZİ ANGLE, MOTION and FORCE ANALYSIS

MODEL	$\alpha^{\circ}(+5^{\circ})$	FT(N)	FB(N)	FU FB:FU	Ağırlık (Kg) (Weight)
1563 Y	112	5000	1500	5:1	1,57
1565 Y	95	6500	2400	5:1	2,63

FT:TUTMA KAPASİTESİ (HOLDING CAPACITY), FB: BASKI KUVVETİ (CLAMPING FORCE),
FU: UYGULAMA KUVVETİ (APPLIED FORCE)

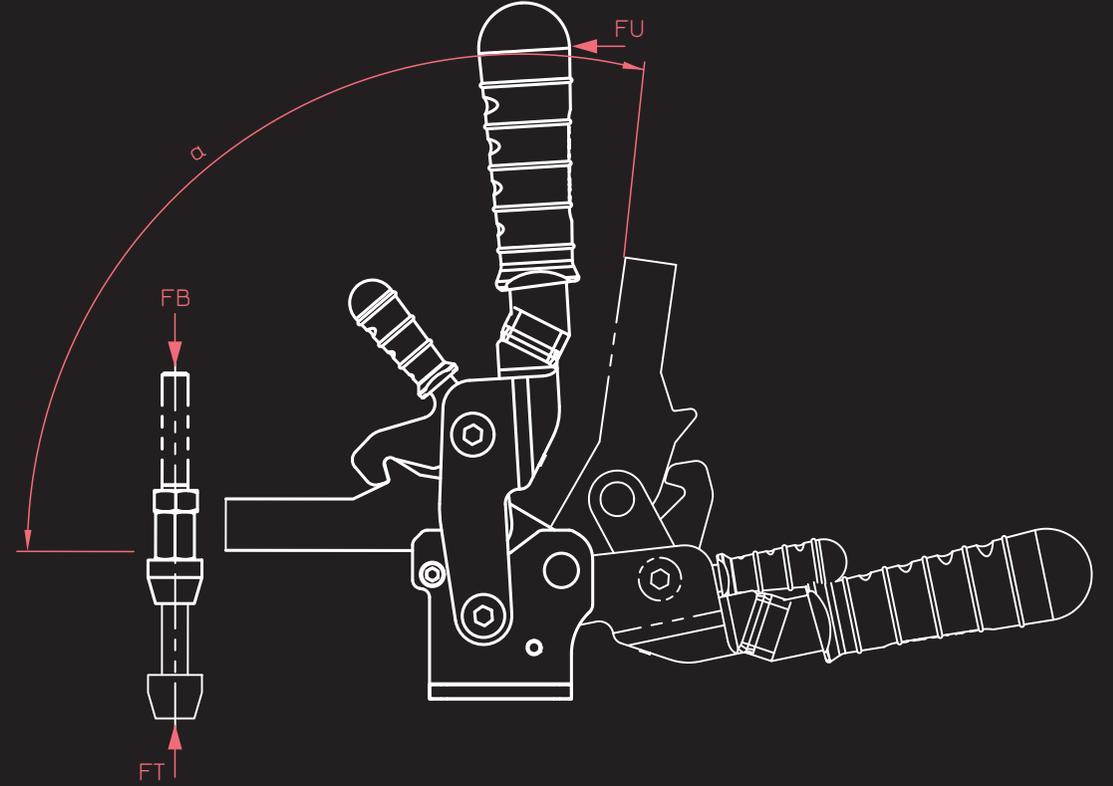
GÜVENLİK KİLİDİ

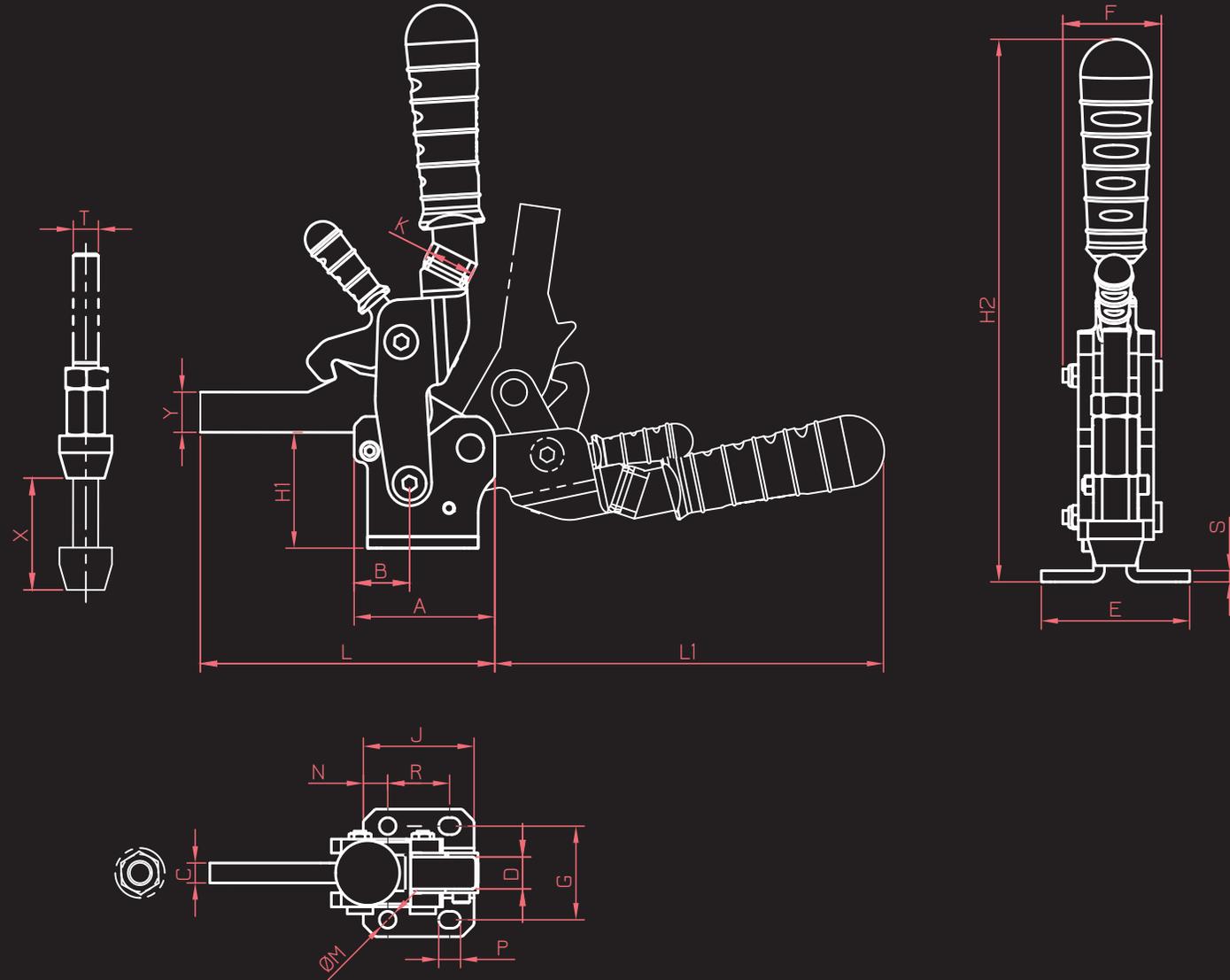
- Clampin konumlamasını yapınız.
- Çalışmak istediğiniz açı pozisyonunu belirleyiniz.
- Kilit mandalını açıp hareket işlemine başlayınız.

SECURITY LOCK

- Make the clampig positioning.
- Determine the angle position you want to work.
- Open the lock latch and start the movement process.

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir
Dimensions and technical information are subject to change without notice



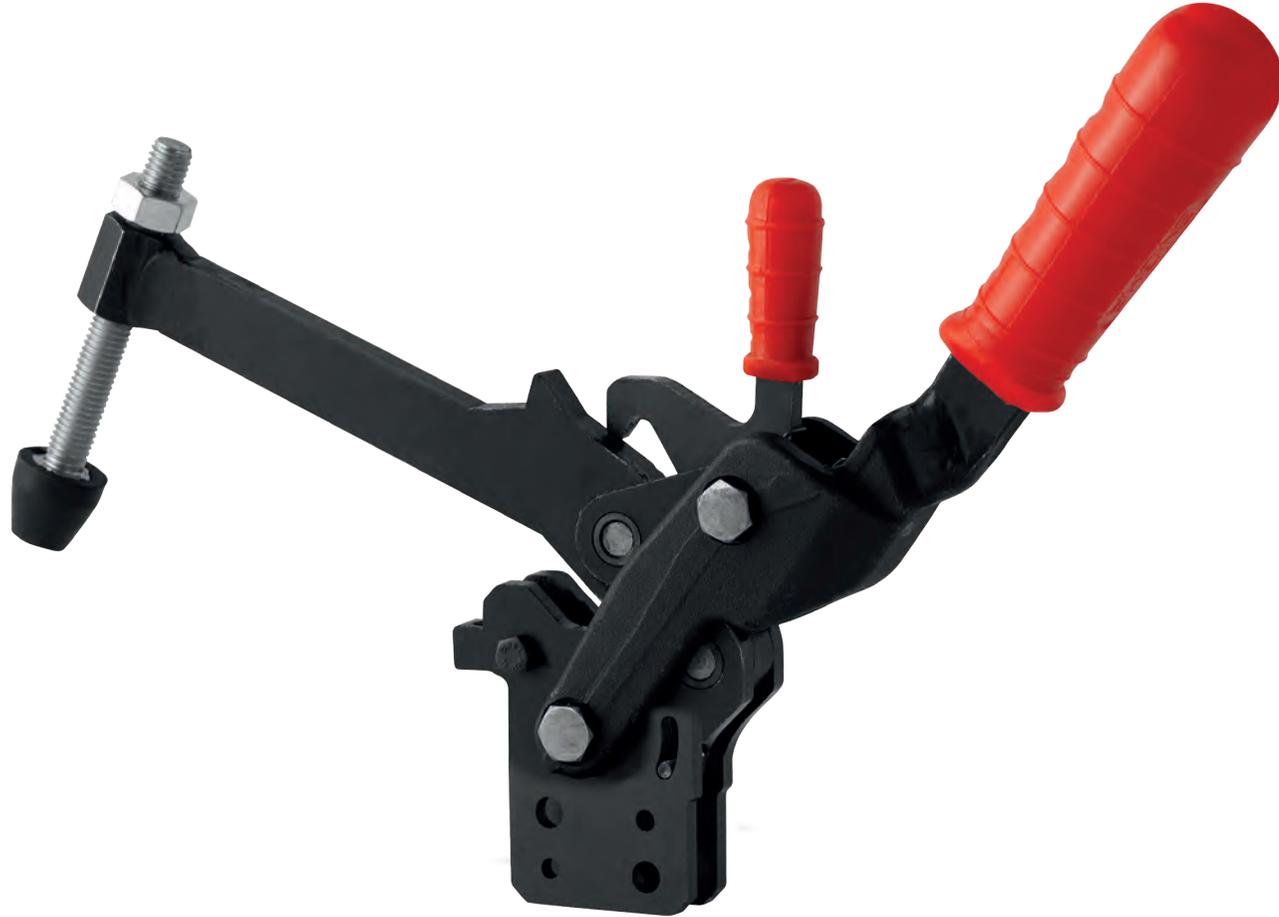


E | ÖLÇÜLENDİRME
DIMENSIONS

MODEL	A	B	C	D	E	F	G	H1	H2	J	K	L	L1	ØM	N	P	R	S	T	Y	X
1563 Y	63,5	25	10	13	67	42	47	47	247,6	50	22	124	177	Ø 8,5	9,4	8,5x11	30-32,5	5	M12	20	48
1565 Y	76	28,8	12	13	88,5	60	53	53	274	53	24	151	194	Ø10,5	10,5	10,5x13	45-47,5	5	M12	22,5	51

* L kol boyu için özel üretime uygun sipariş verebilirsiniz. / *This item is available upon request

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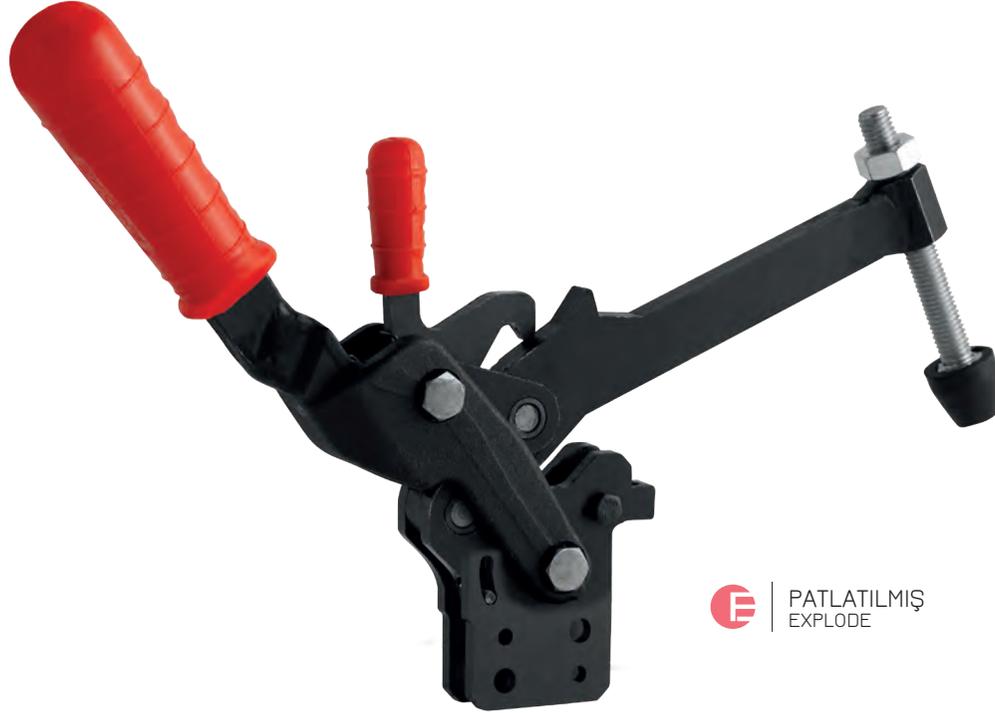
KİLİTLİ AĞIR SERİ DİKEY BAĞLANTI ELEMENLARI

Vertical Toggle Clamps

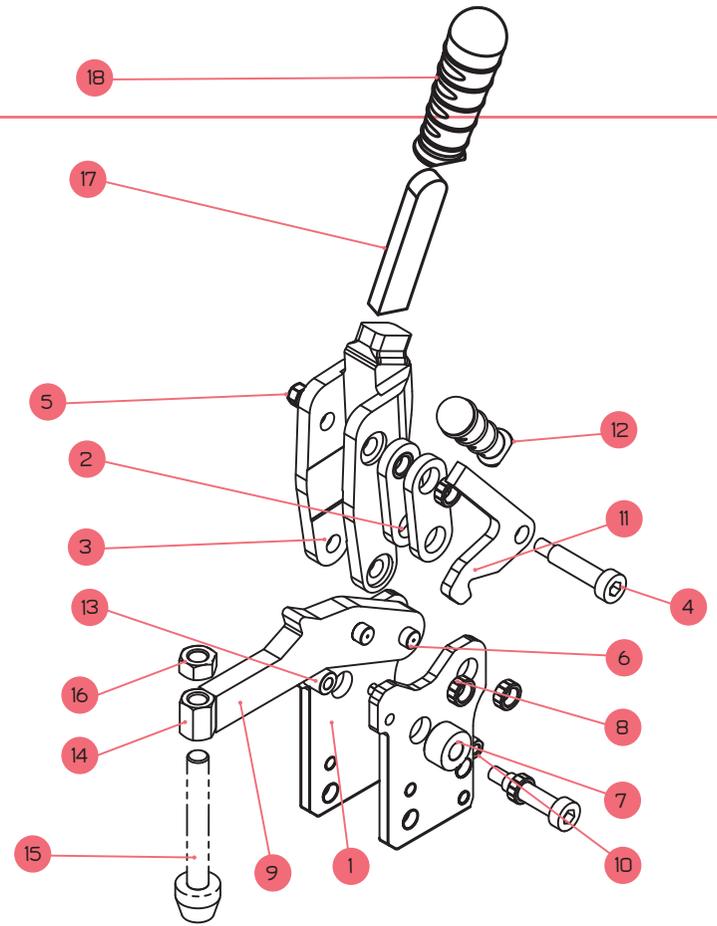
D SERİ / D SERIES

Montaj Tipi: Dikey Taban

Body Mounting Base: Vertical



E | PATLATILMIŞ
EXPLODE



ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY	ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	D Gövde	2	10	Somun	2
2	Mafsal	2	11	Kilit Mandalı	1
3	Dövme Mafsal	1	12	Tutamak	1
4	Yay Askı Civatası	2	13	Burç	1
5	Fiberli Somun	2	14	Lama Uc Bağlantı Somunu	1
6	Tırtıllı Pim	2	15	Baskı Pabucu	1
7	Ara Mesafe Burcu	1	16	Kontra Somun	1
8	Burç	8	17	Tutamak Laması	1
9	Baskı Kolu	1	18	Tutamak	1



AÇI, HAREKET ve KUVVET ANALİZİ ANGLE, MOTION and FORCE ANALYSIS

MODEL	$\alpha^{\circ}(+5^{\circ})$	FT(N)	FB(N)	FU FB:FU	Ağırlık (Kg) (Weight)
1563 D	112	5000	1500	5:1	1,63
1565 D	95	6500	2400	5:1	2,70

FT:TUTMA KAPASİTESİ (HOLDING CAPACITY), FB: BASKI KUVVETİ (CLAMPING FORCE),
FU: UYGULAMA KUVVETİ (APPLIED FORCE)

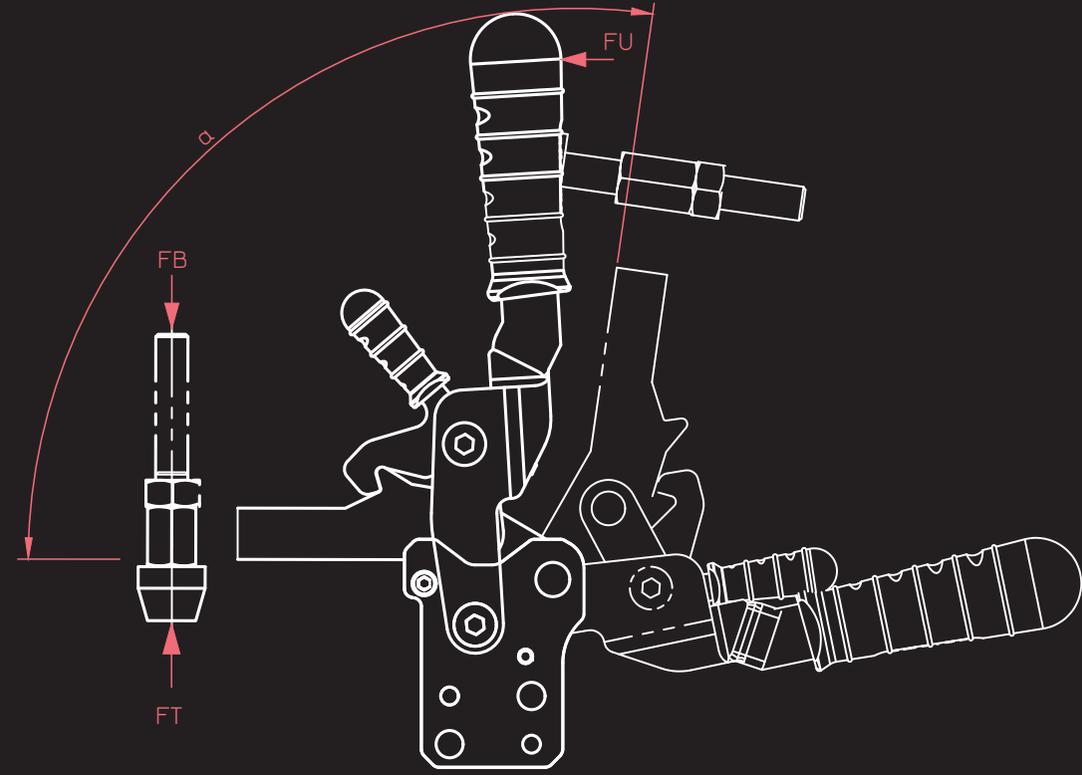
GÜVENLİK KİLİDİ

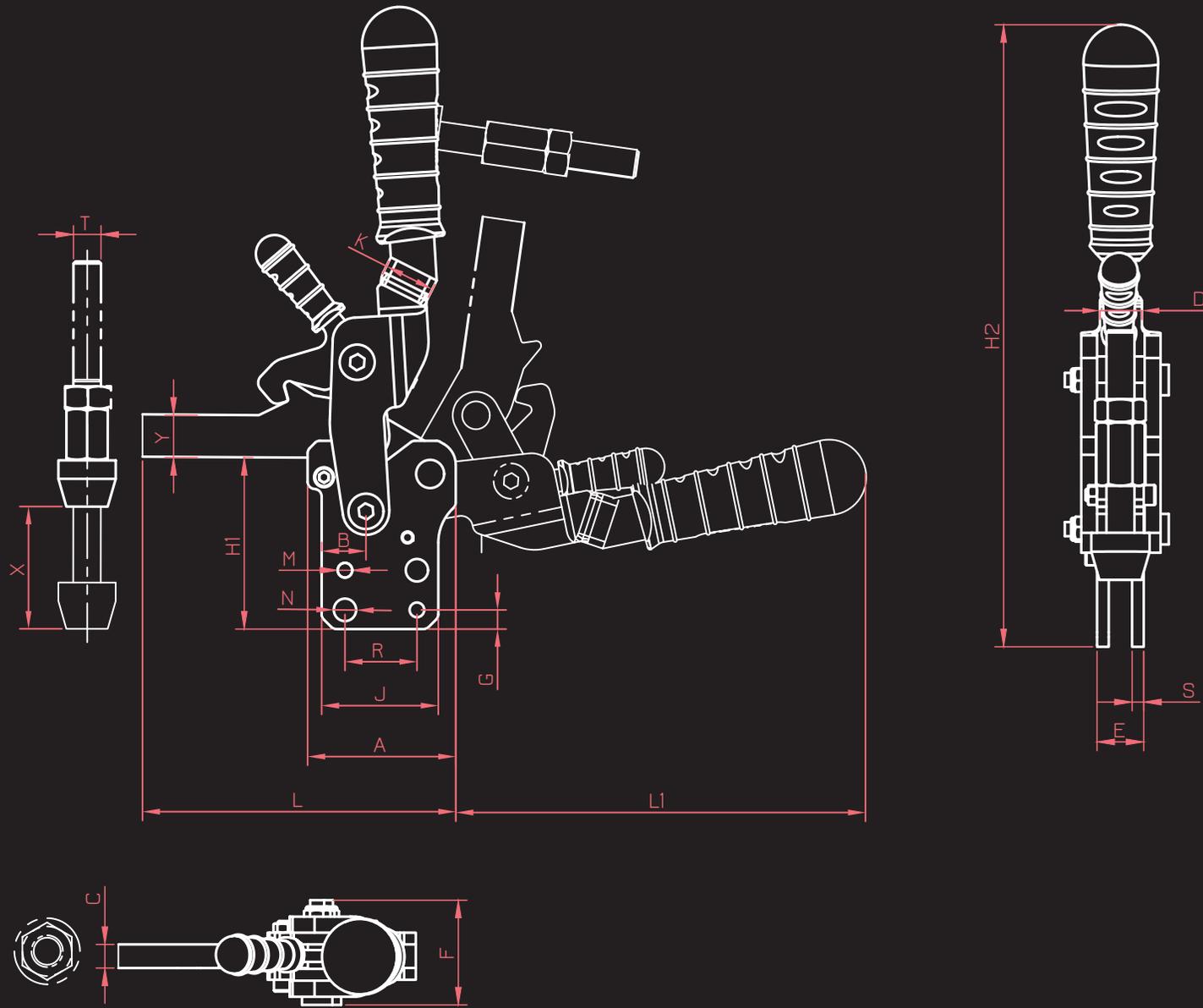
- Clampin konumlamasını yapınız.
- Çalışmak istediğiniz açı pozisyonunu belirleyiniz.
- Kilit mandalını açıp hareket işlemine başlayınız.

SECURITY LOCK

- Make the clampig positioning.
- Determine the angle position you want to work.
- Open the lock latch and start the movement process.

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir
Dimensions and technical information are subject to change without notice



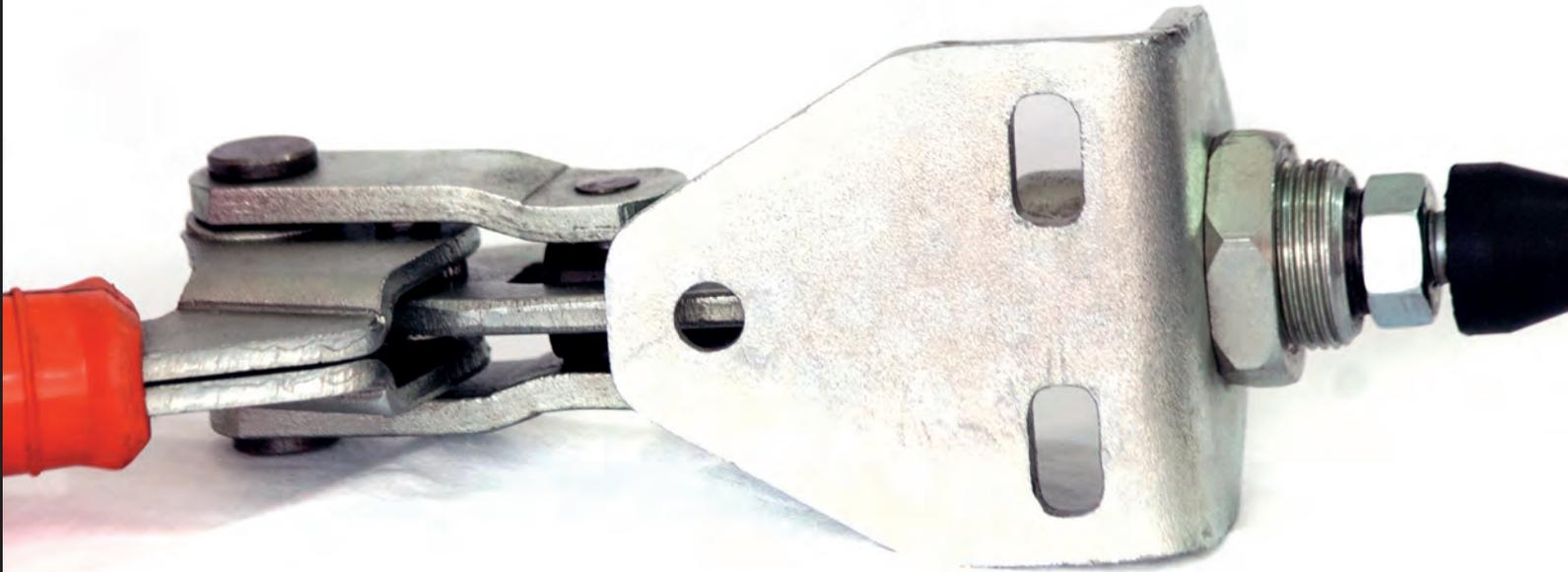


E | ÖLÇÜLENDİRME
DIMENSIONS

MODEL	A	B	C	D	E	F	G	H1	H2	J	K	L	L1	M	N	R	T	S	Y	X
1563 D	63,5	19	10	13	20	42	10	73	264	50	22	131,5	174,5	5,7	8,5	30	M12	5	20	48
1565 D	76	21	12	13	22	60	7,2	87	305	53	24	152,5	197,5	7,7	8,5	30	M12	5	22,5	51

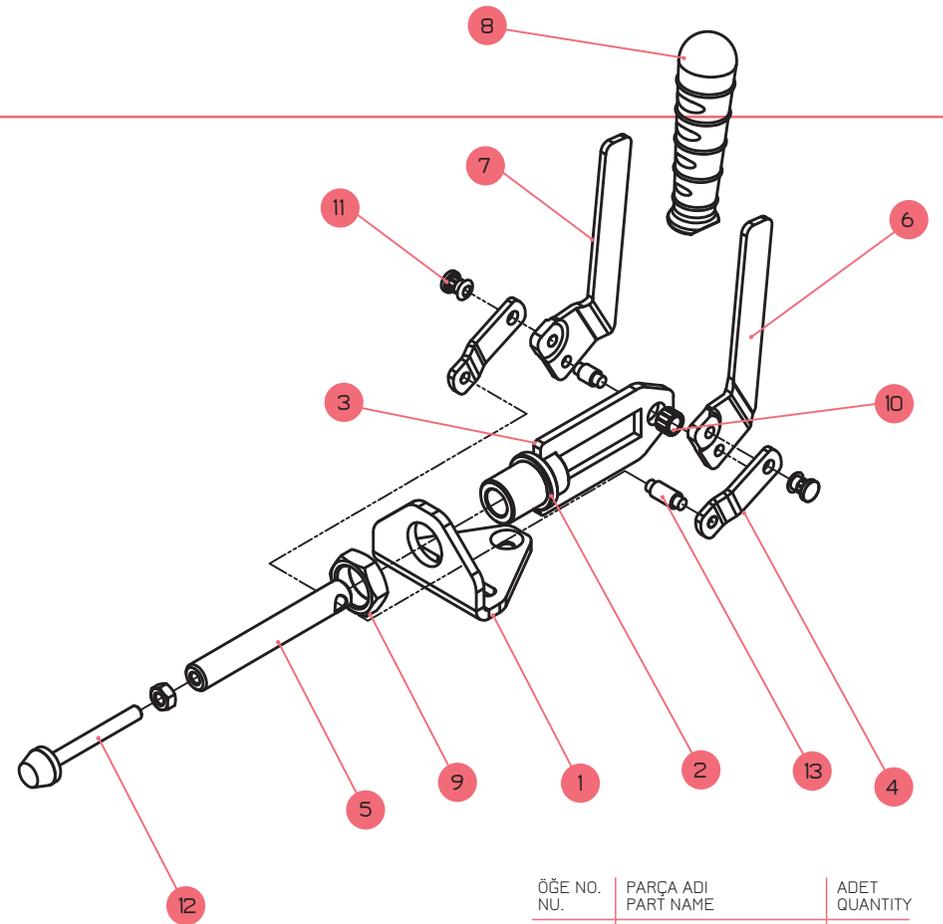
* L kol boyu için özel üretime uygun sipariş verebilirsiniz. / *This item is available upon request

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir / Dimensions and technical information are subject to change without notice



İTME-ÇEKME BAĞLANTI ELEMENLARI

Straight Line Push-Pull
Type Toggle Clamps



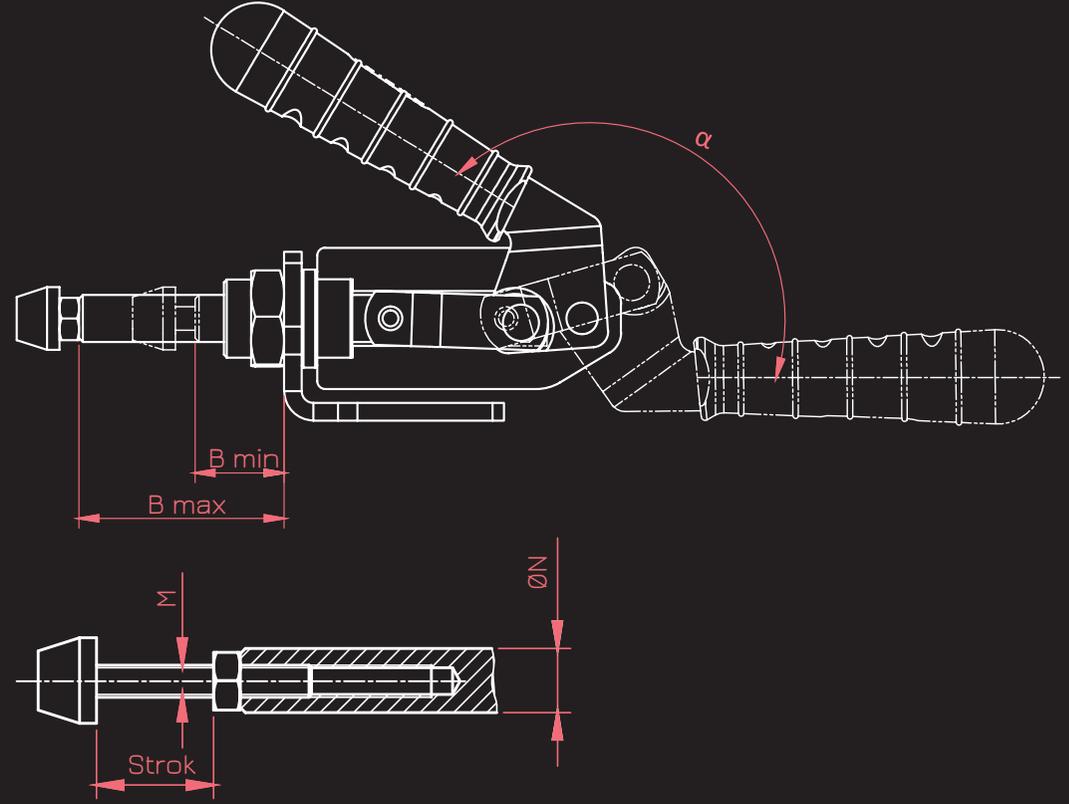
E | PATLATILMIŞ
EXPLODE

ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	Flans	1
2	Yatak	1
3	Gövde	1
4	Mafsal	2
5	Mil	1
6	Hareket Kolu Sol	1
7	Hareket Kolu Sağ	1
8	Tutamak	1
9	Somun	1
10	Burç	1
11	Kademeli Burç	1
12	Baskı Pabucu	1
13	Pim	2



AÇI ve HAREKET ANALİZİ ANGLE and MOTION ANALYSIS

MODEL	$\alpha(+/-2)$	Strok	Bmin	Bmax	M	$\emptyset N$
16812 Y	150	36	22	53	M8	12
16816 Y	150	48	22	60	M10	16

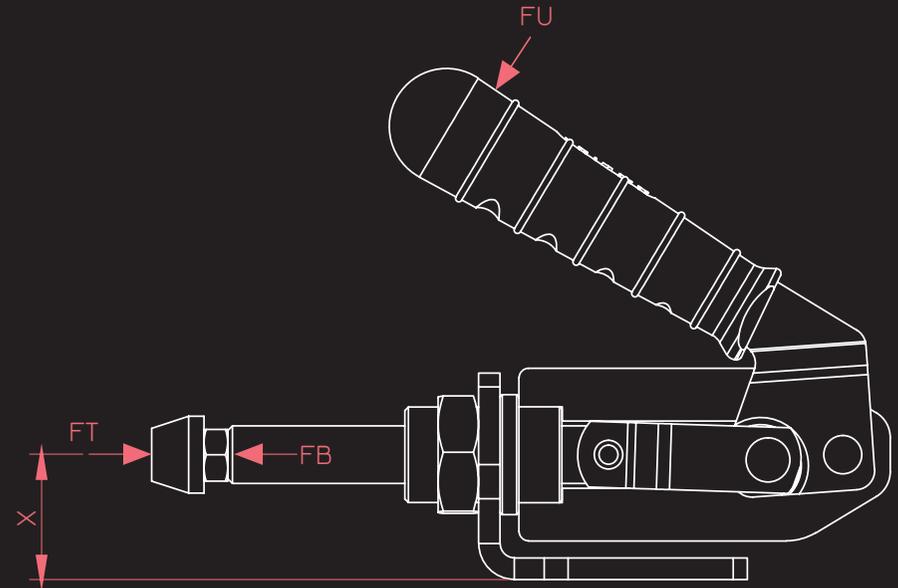


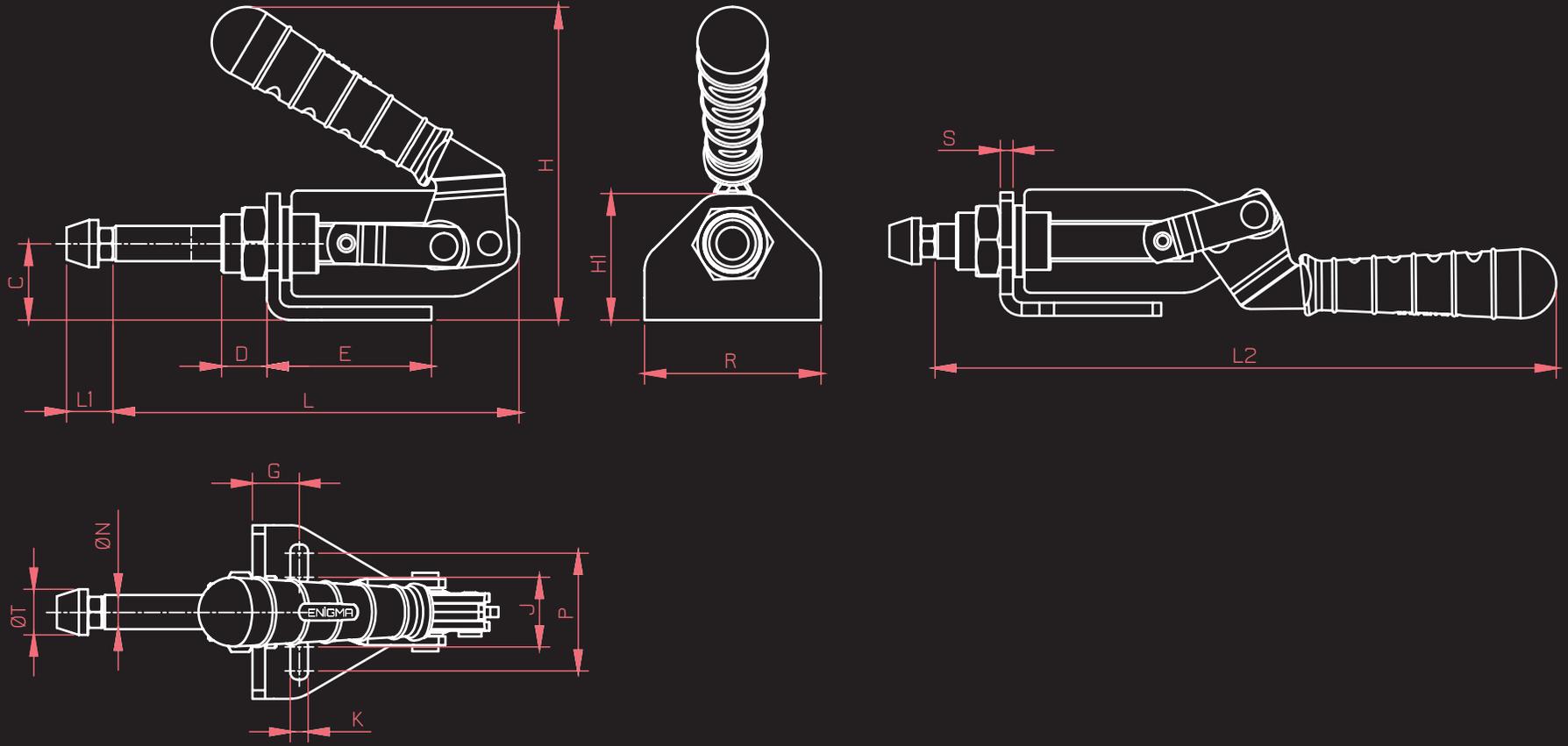
KUVVET ANALİZİ FORCE ANALYSIS

MODEL	X	FB	FT	FU (VERİM) FB:FU	AĞIRLIK (Kg) (Weight)
16812 Y	26	2600	3000	15:1	0,47
16816 Y	30	4600	6700	22:1	0,97

FB: BASKI KUVVETİ (CLAMPING FORCE), FT: TUTMA KAPASİTESİ (HOLDING CAPACITY),
FU: UYGULAMA KUVVETİ (APPLIED FORCE)

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice

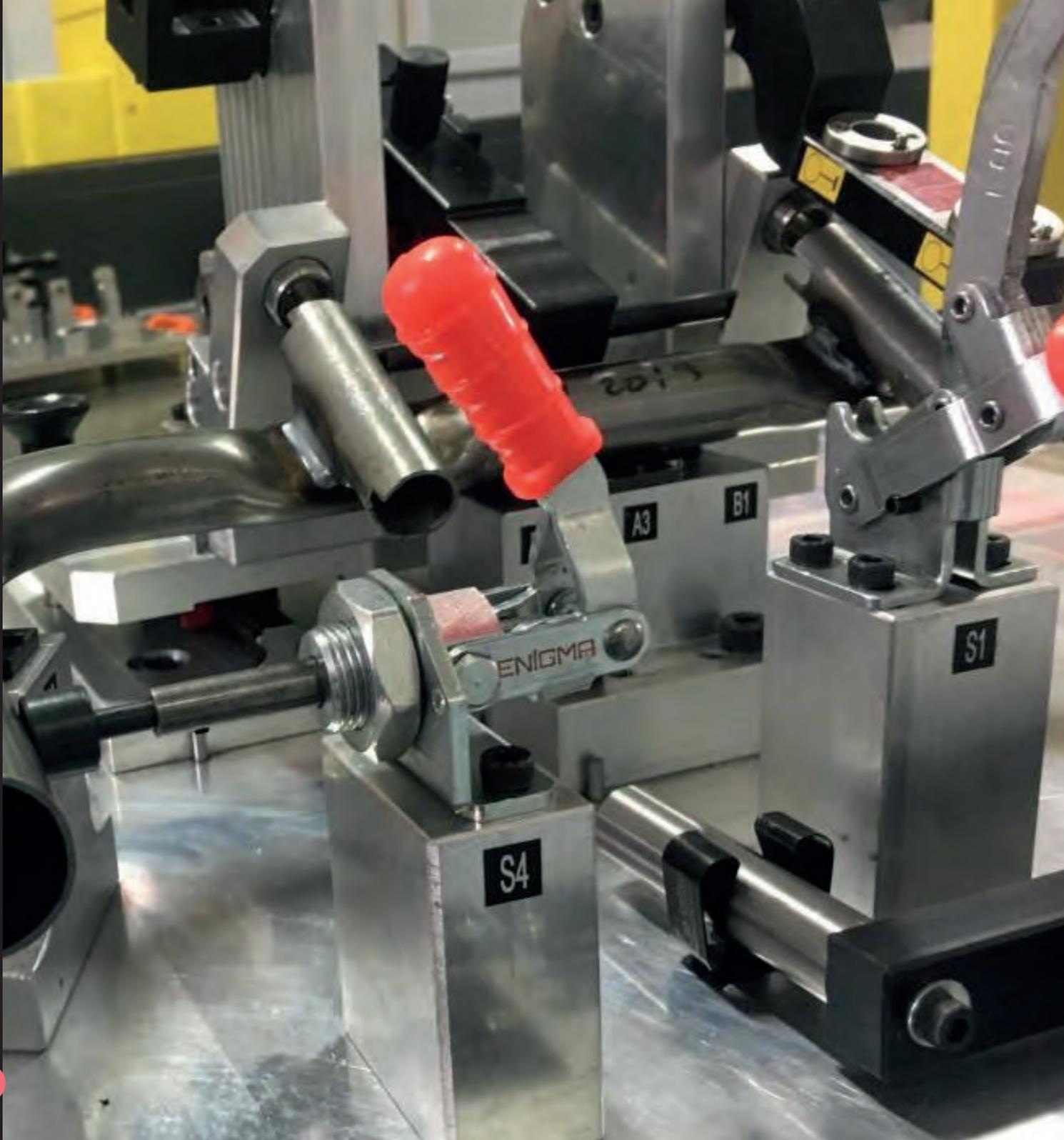




ÖLÇÜLENDİRME
DIMENSIONS

MODEL	C	D	E	G	H	H1	J	K	L	L1	L2	N	P	R	S	ØT
16812 Y	26	15,5	56,5	16,5	114	44	24,2	6,3	139	23	220	12	42,2	60,5	4,5	19
16816 Y	30	15	71,5	16,5	120	52	30	8,2	175	26	250	16	44	65	5	21

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir. / Dimensions and technical information are subject to change without notice



İTME ÇEKME BAĞLANTI ELEMENLARI

Straight Line Push-Pull Type
Toggle Clamps

Y-YTK SERİ
Y-YTK SERIES

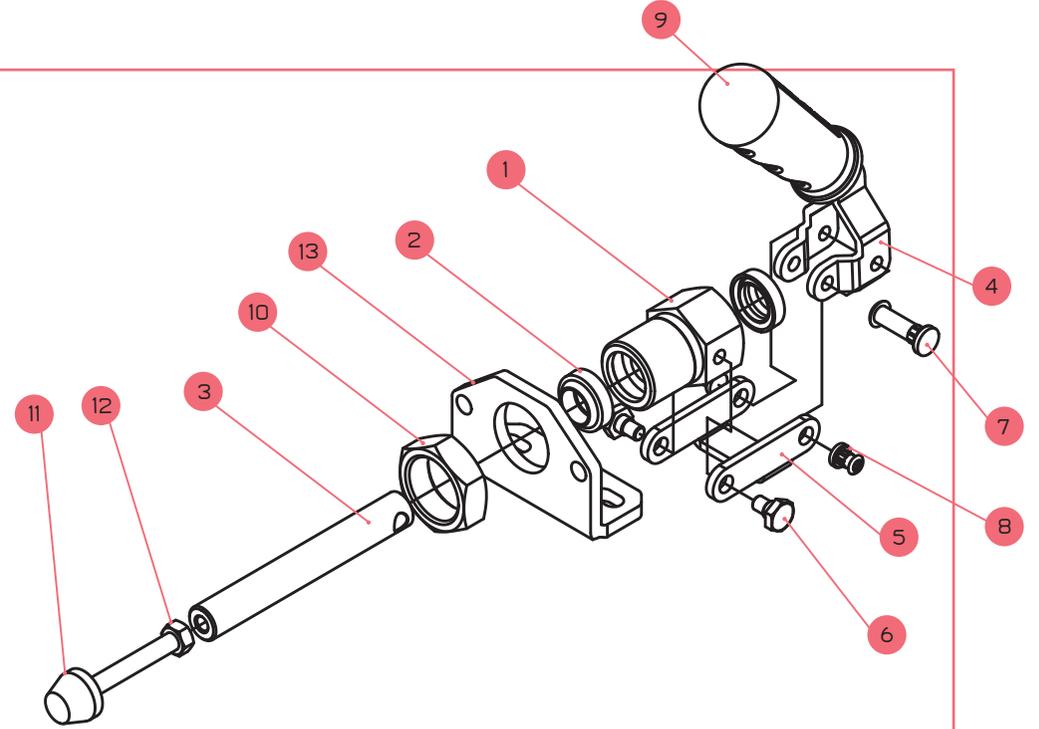
Montaj Tipi: Yatay Taban
Body Mounting Base: Horizontal



ENIGMA
clamp



PATLATILMIŞ
EXPLODE

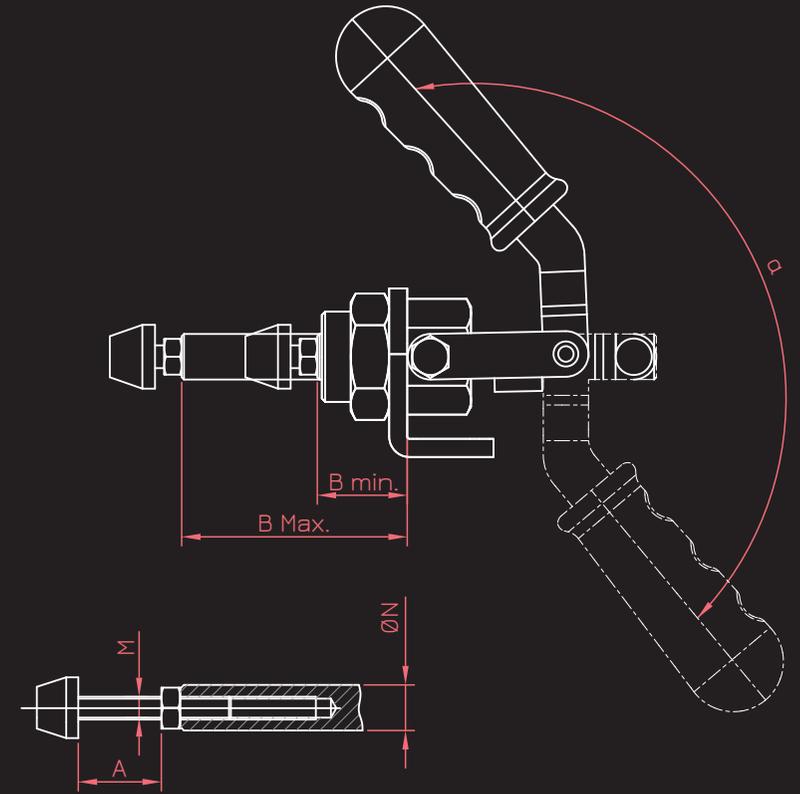


ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	Gövde	1
2	Toz Keçesi	2
3	Mil	1
4	Hareket Kolu	2
5	Mafsâl	1
6	Kademeli Somun	2
7	Pim	1
8	Kısa Mil	2
9	Tutamak	1
10	Gövde Montaj Somunu	1
11	Baskı Papucu	1
12	Kontra Somun	1
13	Flanş	1

Görsellerde verilen ürün, model kodu farklılıklarına göre değişiklik gösterilebilir. / The product shown in the images may differ from some others depending on the model code differences.

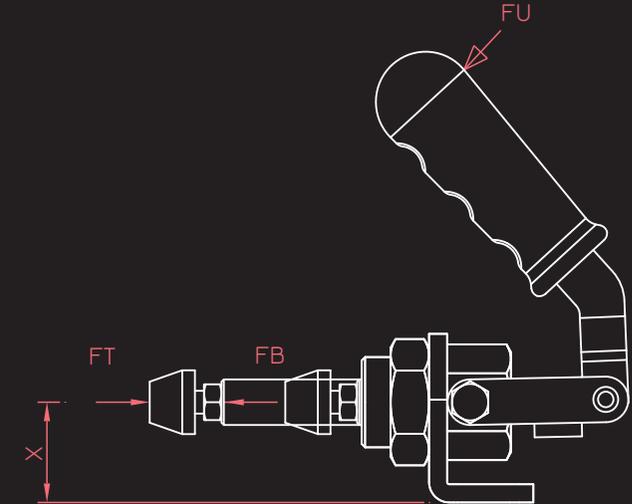
E AÇI ve HAREKET ANALİZİ
ANGLE and MOTION ANALYSIS

Model	Toz Keçeli Rod Sealing Elements	$\alpha^{\circ}(\pm 2^{\circ})$	A min	A max	B min	B max	M	$\emptyset N$
16008 Y	16108 Y	177°	5	30	17	43	M5	$\emptyset 8$
16010 Y	16110 Y	177°	5	40	20	50	M6	$\emptyset 10$
16012 Y	16112 Y	177°	5	50	22	58	M8	$\emptyset 12$
16014 Y	16114 Y	177°	5	60	23	77	M10	$\emptyset 14$
16016 Y	16116 Y	177°	5	60	23	77	M10	$\emptyset 16$



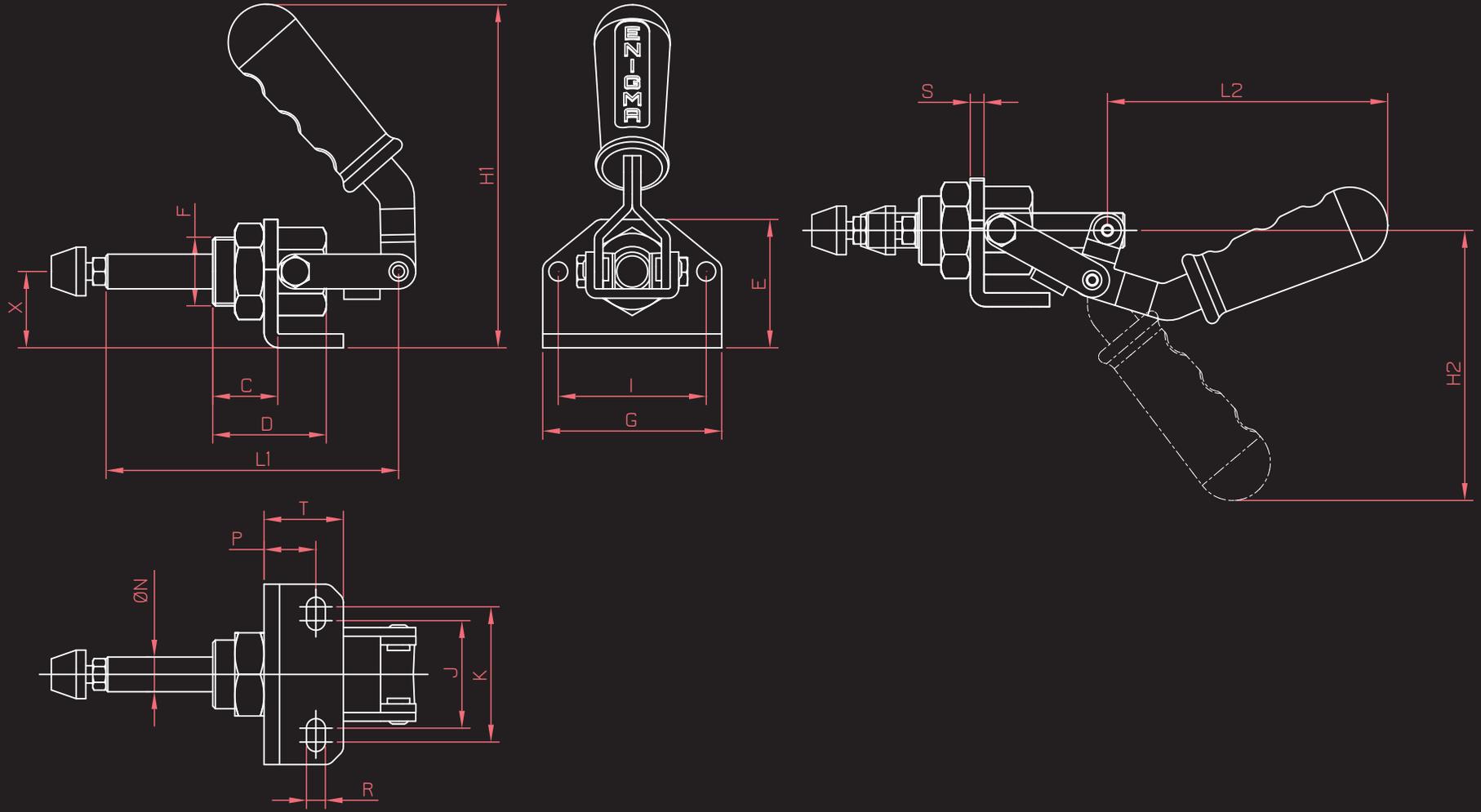
E KUVVET ANALİZİ
FORCE ANALYSIS

Model	Toz Keçeli Rod Sealing Elements	X	FB (N)	FT (N)	FB:FU	AĞIRLIK (Kg) (Weight)
16008 Y	16108 Y	20	825	975	26:1	0,15
16010 Y	16110 Y	22	1650	1850	26:1	0,29
16012 Y	16112 Y	30	2600	2750	36:1	0,55
16014 Y	16114 Y	38	4600	4700	36:1	0,92
16016 Y	16116 Y	38	3550	3750	36:1	1,03



FB: BASKI KUVVETİ (EXERTINGFORCE), FT: TUTMA KAPASİTESİ (HOLDING CAPACITY)
FU:UYGULAMA KUVVETİ (APPLIED FORCE)

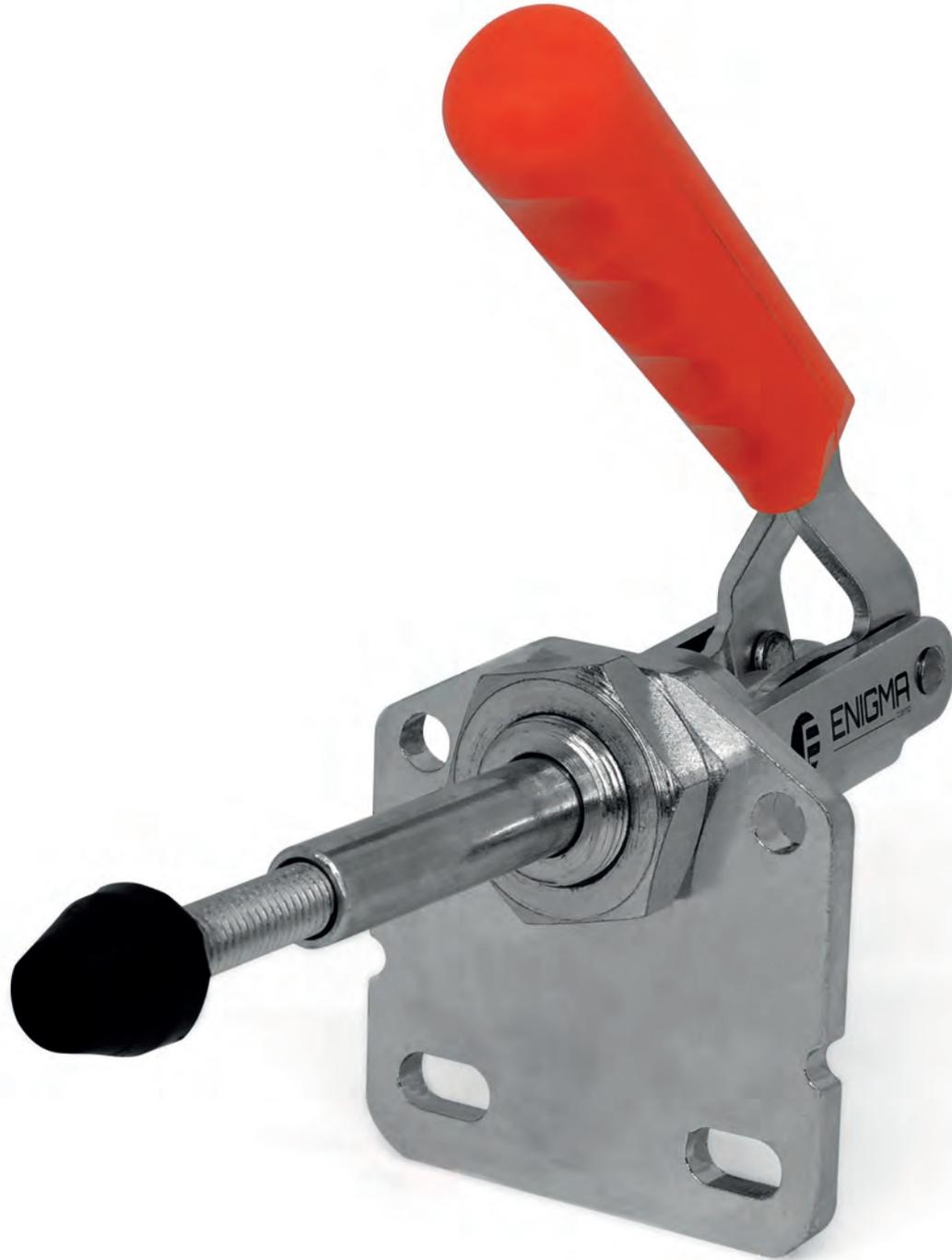
Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice



ÖLÇÜLENDİRME
DIMENSIONS

Model	Toz Keçeli Rod Sealing Elements	C	D	E	F	G	H1	H2	I	J	K	L1	L2	P	R	S	T
16008 Y	16108 Y	16,5	30	34	18	45	98	68	37	22,5	32,5	76	78	11,5	5,2	3	18
16010 Y	16110 Y	19	33	37	20	52	99	78	43	30	40	85	82	15	6	4	23
16012 Y	16112 Y	20,5	36	48	20	60	136	107	48	33,5	42,5	98	116	18,3	6,5	5	28,3
16014 Y	16114 Y	21	38	56	23,8	78	151,4	108	60	60	60	133	115	21	8,5	6	37,1
16016 Y	16116 Y	21	38	56	24	78	152	108	60	60	60	133	115	21	8,5	6	37,1

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir. / Dimensions and technical information are subject to change without notice

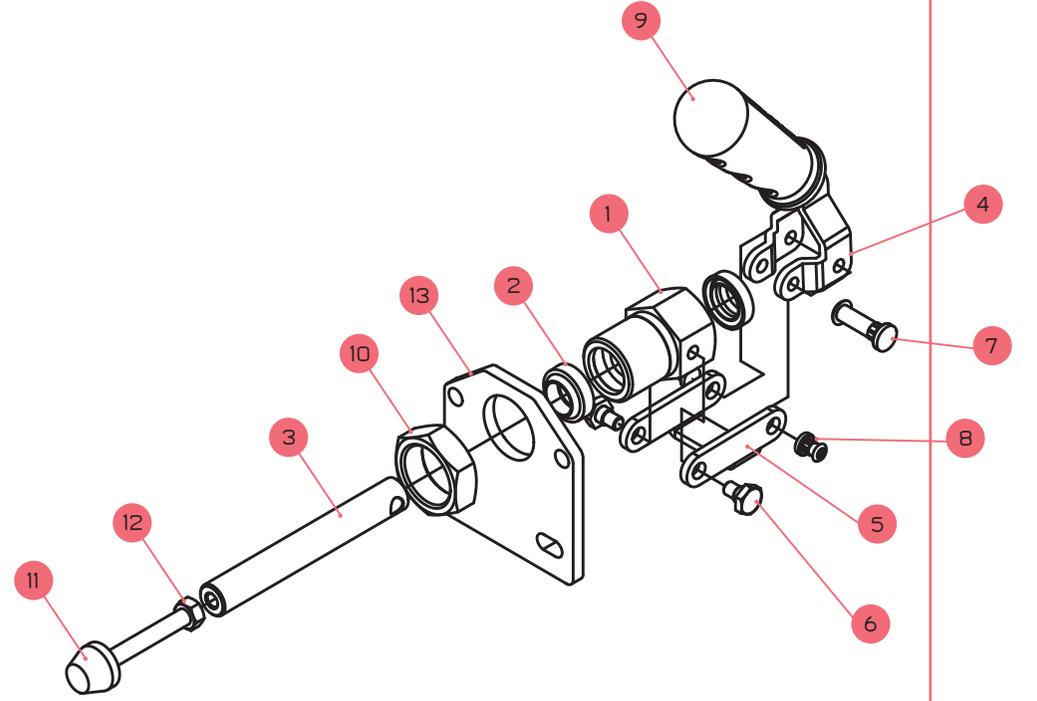
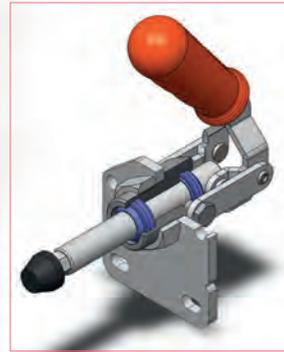
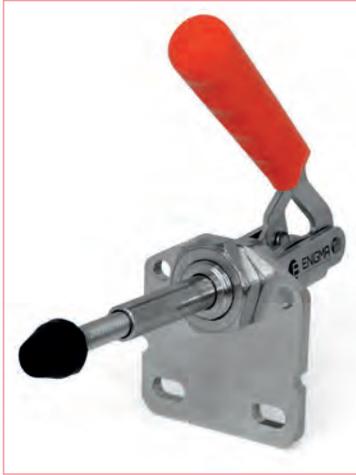


İTME ÇEKME BAĞLANTI ELEMENLARI

Straight Line Push-Pull Type
Toggle Clamps

D-DTK SERİ D-DTK SERIES

Montaj Tipi: Dikey Tabanlı
Body Mounting Base: Vertical

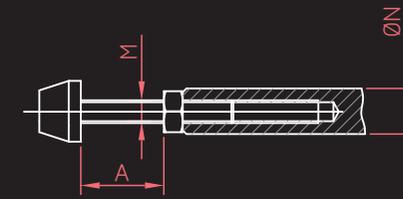
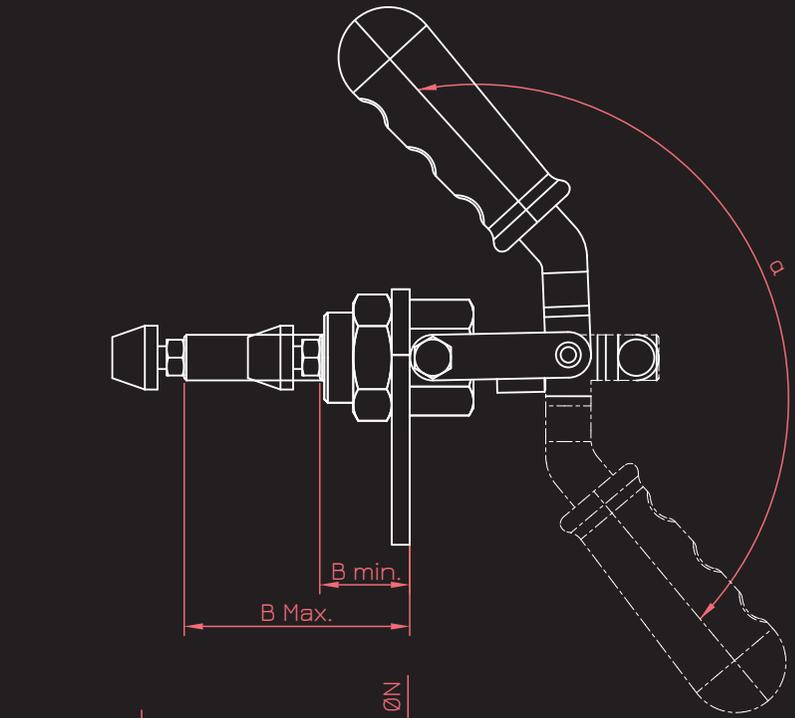


E PATLATILMIŞ
EXPLODE

ÖGE NO NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	Gövde	1
2	Toz Keçesi	2
3	Mil	1
4	Hareket Kolu	2
5	Mafsal	1
6	Kademeli Somun	2
7	Pim	1
8	Kısa Pim	2
9	Tutamak	1
10	Gövde Montaj Somunu	1
11	Baskı Papucu	1
12	Kontra Somun	1
13	Flanş	1

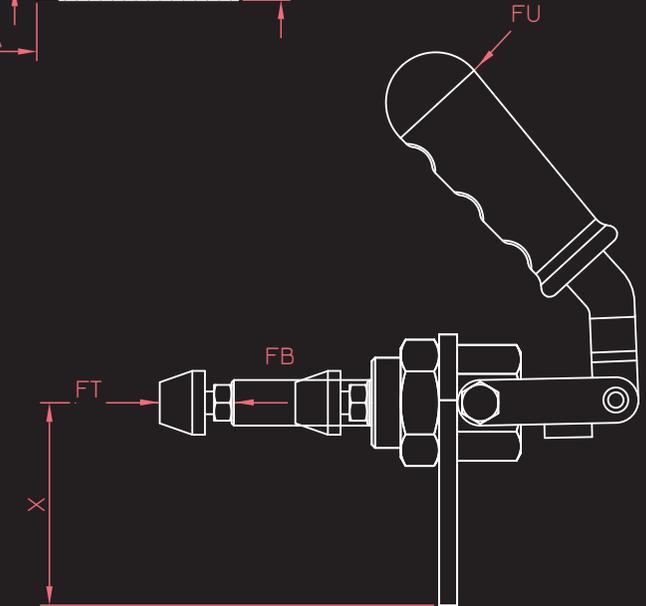
E AÇI ve HAREKET ANALİZİ
ANGLE and MOTION ANALYSIS

Model	Toz Keçeli Rod Sealing Elements	$\alpha^{\circ}(+-2^{\circ})$	Amin	A max	B min	B max	M	$\emptyset N$
16008 D	16108 D	177°	5	30	17	43	M5	$\emptyset 8$
16010 D	16110 D	177°	5	40	20	50	M6	$\emptyset 10$
16012 D	16112 D	177°	5	50	22	58	M8	$\emptyset 12$
16014 D	16114 D	177°	5	60	23	77	M10	$\emptyset 14$
16016 D	16116 D	177°	5	60	23	77	M10	$\emptyset 16$



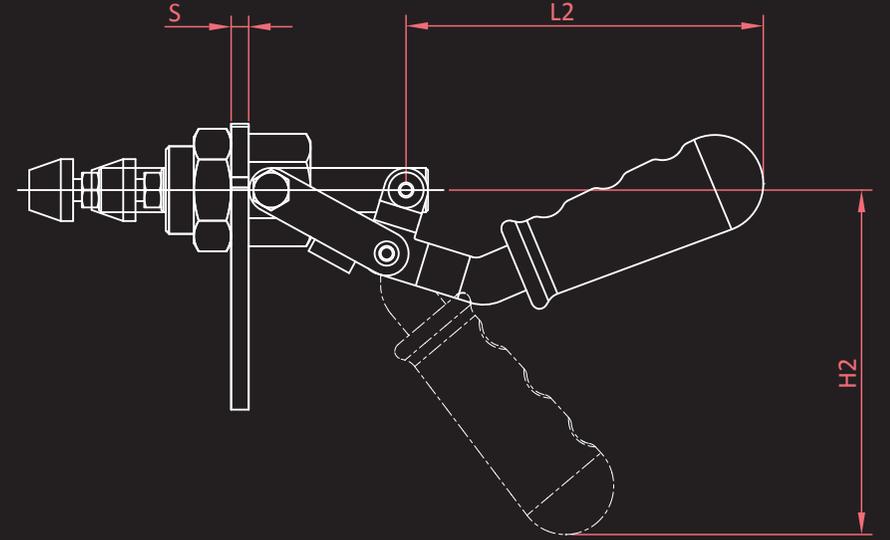
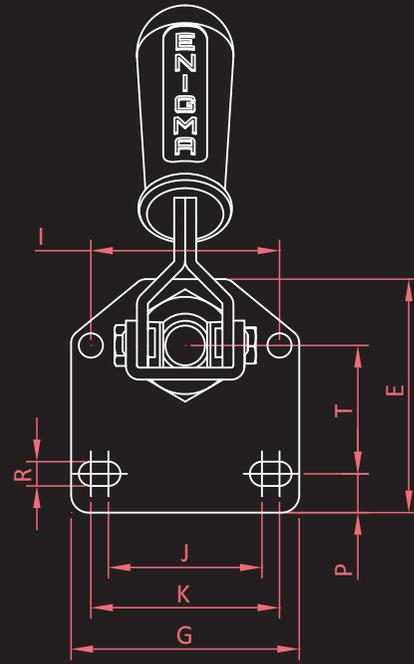
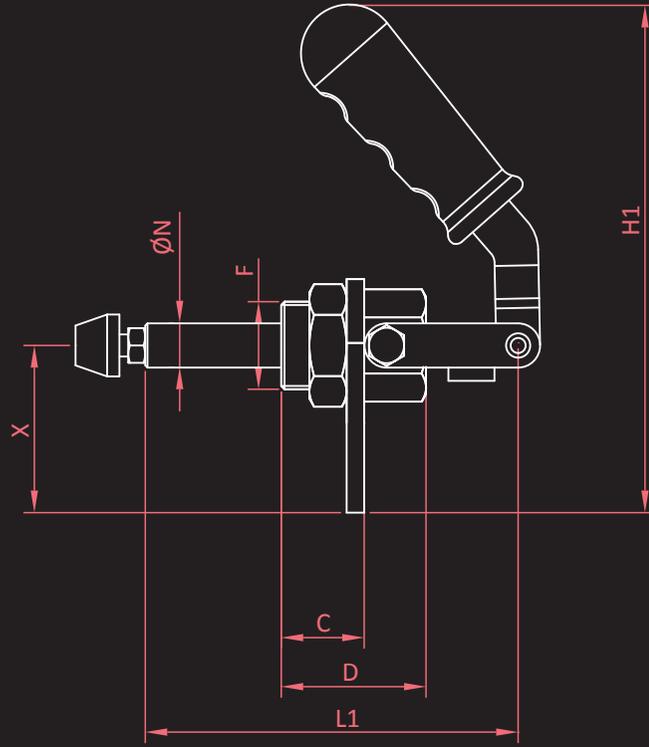
E KUVVET ANALİZİ
FORCE ANALYSIS

Model	Toz Keçeli Rod Sealing Elements	X	FB (N)	FT (N)	FB:FU	AĞIRLIK (Kg) (Weight)
16008 D	16108 D	34	825	975	26:1	0,15
16010 D	16110 D	40	1650	1850	26:1	0,29
16012 D	16112 D	52	2600	2750	36:1	0,55
16014 D	16114 D	67	3550	3750	36:1	0,92
16016 D	16116 D	67	4600	4700	36:1	1,03



FB: BASKI KUVVETİ (EXERTINGFORCE), FT: TUTMA KAPASİTESİ (HOLDING CAPACITY)
FU:UYGULAMA KUVVETİ (APPLIED FORCE)

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice



ÖLÇÜLENDİRME
DIMENSIONS

Model	Toz Keçeli Rod Sealing Elements	C	D	E	F	G	H1	H2	I	J	K	L1	L2	P	R	S	T
16008 D	16108 D	17,5	30	48	18	45	100	68	37	22,5	32,5	76	78	6,5	5,2	3	27,5
16010 D	16110 D	19	33	55	20	52	117	78	43	30	40	85	82	8	6	4	32,5
16012 D	16112 D	20,5	36	70	20	60	158	107	48	33,5	42,5	98	116	10	6,5	5	41,2
16014 D	16114 D	21	38	85	24	78	180	108	60	42,5	57,5	133	113	16,1	8,5	6	50
16016 D	16116 D	21	38	85	24	78	180	108	60	42,5	57,5	133	115	16,1	8,5	6	50

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir. / Dimensions and technical information are subject to change without notice

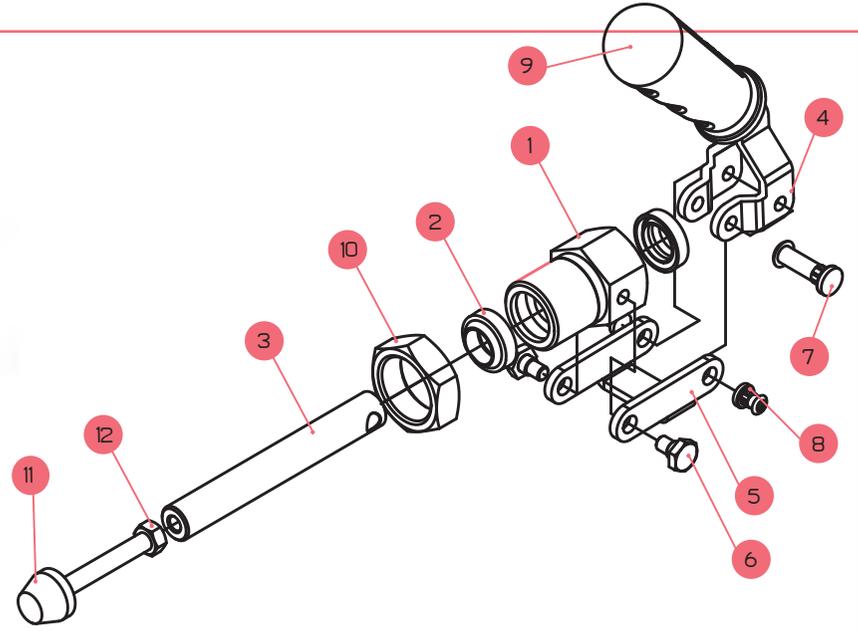


İTME ÇEKME BAĞLANTI ELEMENLARI

Straight Line Push-Pull Type
Toggle Clamps

T-TTK SERİ
T-TTK SERIES

Montaj Tipi: Tabansız
Body Mounting Base: No Base



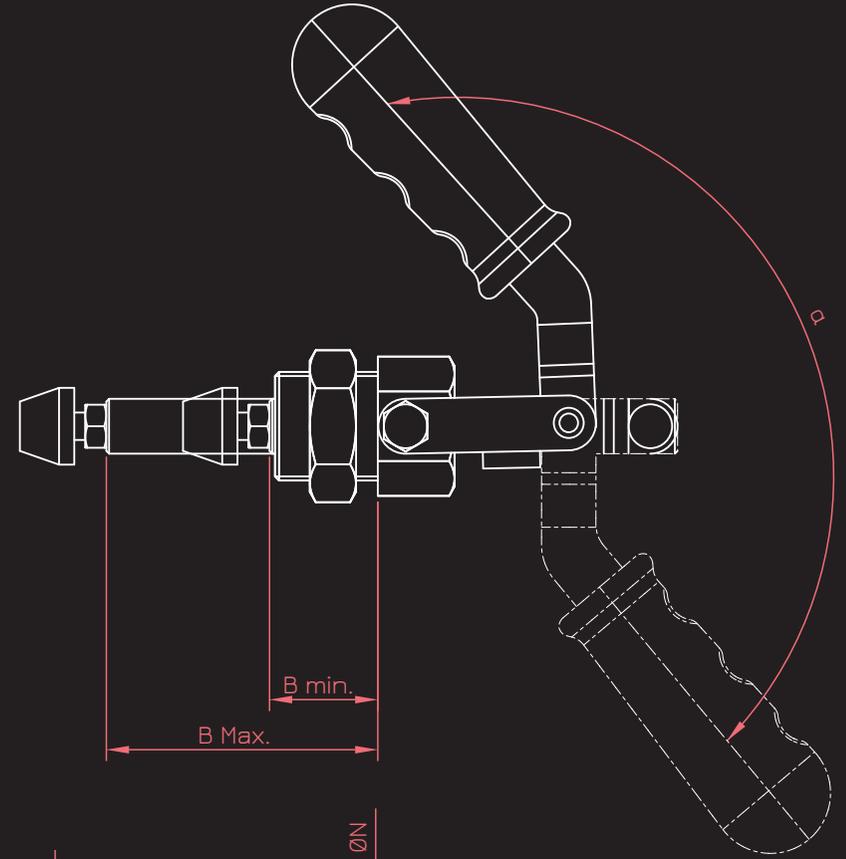
E PATLATILMIŞ
EXPLODE

ÖĞE NO/ NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	Gövde	1
2	Toz Keçesi	2
3	Mil	1
4	Hareket Kolu	2
5	Mafsal	1
6	Kademeli Somun	2
7	Pim	1
8	Kısa Pim	2
9	Tutamak	1
10	Gövde Montaj Somunu	1
11	Baskı Papucu	1
12	Kontra Somun	1

Görsellerde verilen ürün, model kodu farklılıklarına göre değişiklik gösterebilir. / The product shown in the images may differ from some others depending on the model code differences.

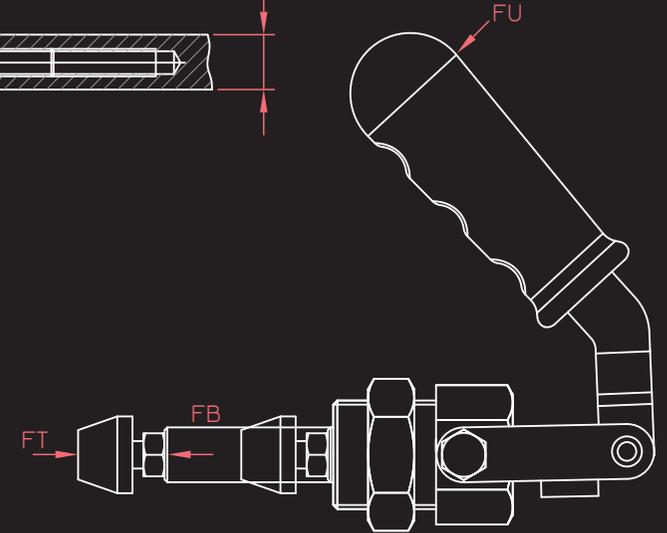
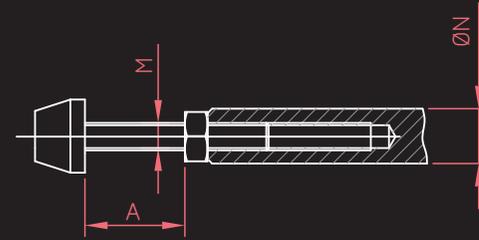
E AÇI ve HAREKET ANALİZİ
ANGLE and MOTION ANALYSIS

Model	Toz Keçeli Rod Sealing Elements	$\alpha^{\circ}(\pm 2^{\circ})$	Amin	A max	B min	B max	M	$\emptyset N$
16008 T	16108 T	177°	5	30	17	43	M5	$\emptyset 8$
16010 T	16110 T	177°	5	40	20	50	M6	$\emptyset 10$
16012 T	16112 T	177°	5	50	22	58	M8	$\emptyset 12$
16014 T	16114 T	177°	5	60	23	77	M10	$\emptyset 14$
16016 T	16116 T	177°	5	60	23	77	M10	$\emptyset 16$



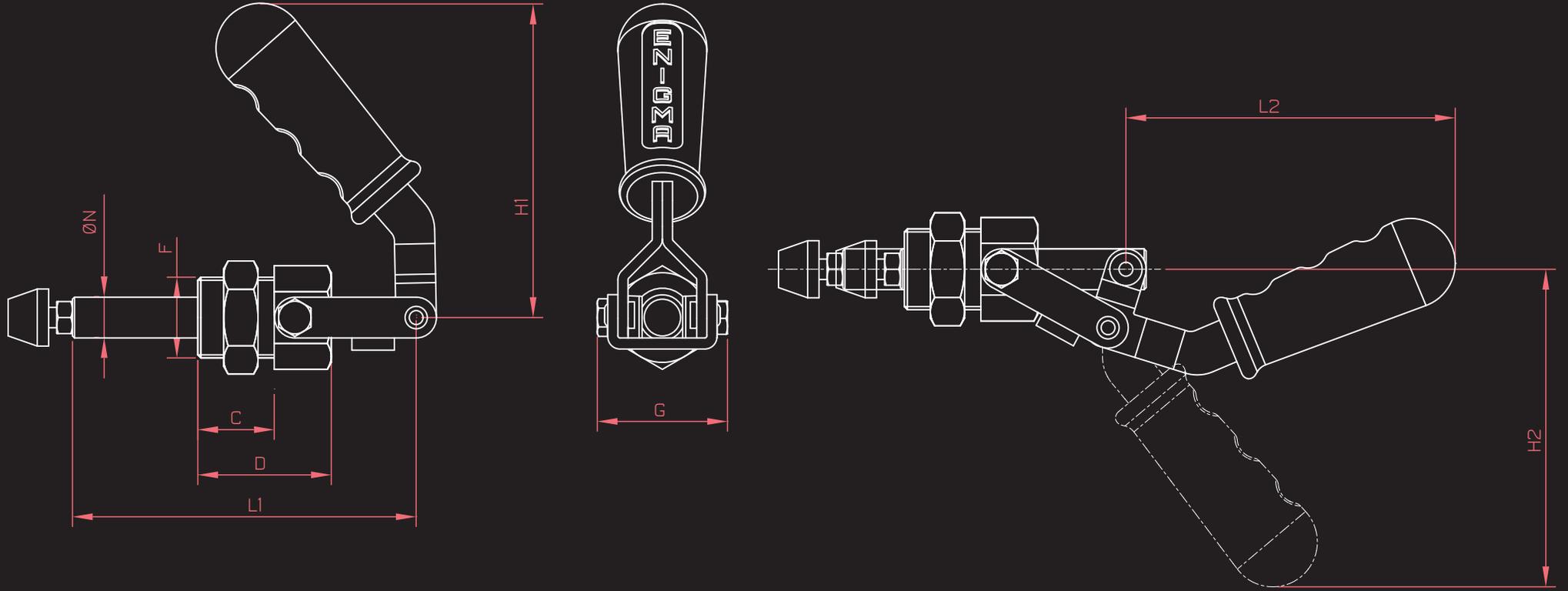
E KUVVET ANALİZİ
FORCE ANALYSIS

Model	Toz Keçeli Rod Sealing Elements	FB (N)	FT(N)	FB:FU	AĞIRLIK (Kg) (Weight)
16008 T	16108 T	825	975	26:1	0,11
16010 T	16110 T	1650	1850	26:1	0,23
16012 T	16112 T	2600	2750	36:1	0,4
16014 T	16114 T	3550	3750	36:1	0,75
16016 T	16116 T	4600	4700	36:1	0,8



FB: BASKI KUVVETİ (EXERTINGFORCE), FT: TUTMA KAPASİTESİ (HOLDING CAPACITY)
FU:UYGULAMA KUVVETİ (APPLIED FORCE)

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice



ÖLÇÜLENDİRME
DIMENSIONS

Model	Toz Keçeli Rod Sealing Elements	C	D	F	G	H1	H2	L1	L2	ØN
16008 T	16108 T	17,5	30	18	29	66	68	76	78	Ø8
16010 T	16110 T	19	33	20	32	78	78	85	82	Ø10
16012 T	16112 T	20,5	36	20	32	105	107	98	116	Ø12
16014 T	16114 T	21	38	24	40	113	108	133	113	Ø14
16016 T	16116 T	21	38	24	40	113	121	133	115	Ø16

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir. / Dimensions and technical information are subject to change without notice



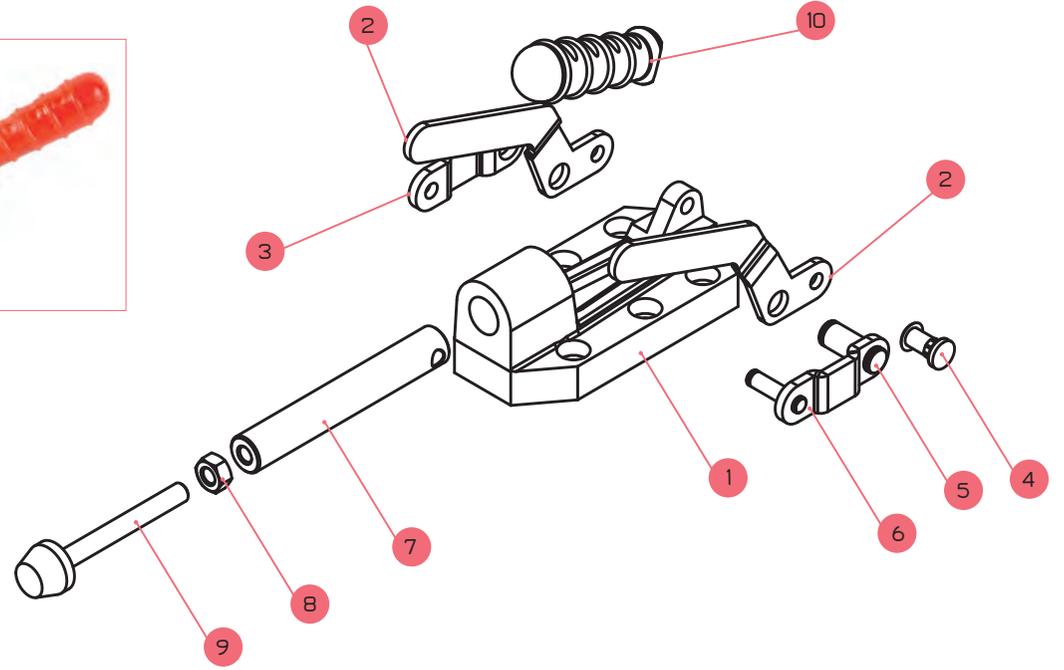
İTME-ÇEKME BAĞLANTI ELEMENLARI

Straight Line Push-Pull Type
Toggle Clamps

AĞIR SERİ / HEAVY SERIES

Montaj Tipi: Yatay Tabanlı
Dövme Çelik Gövdeli

Body Mounting Base: Horizontal
Forged Steel Body



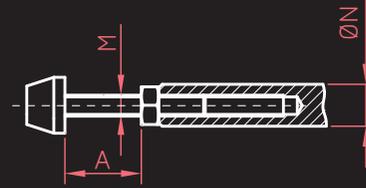
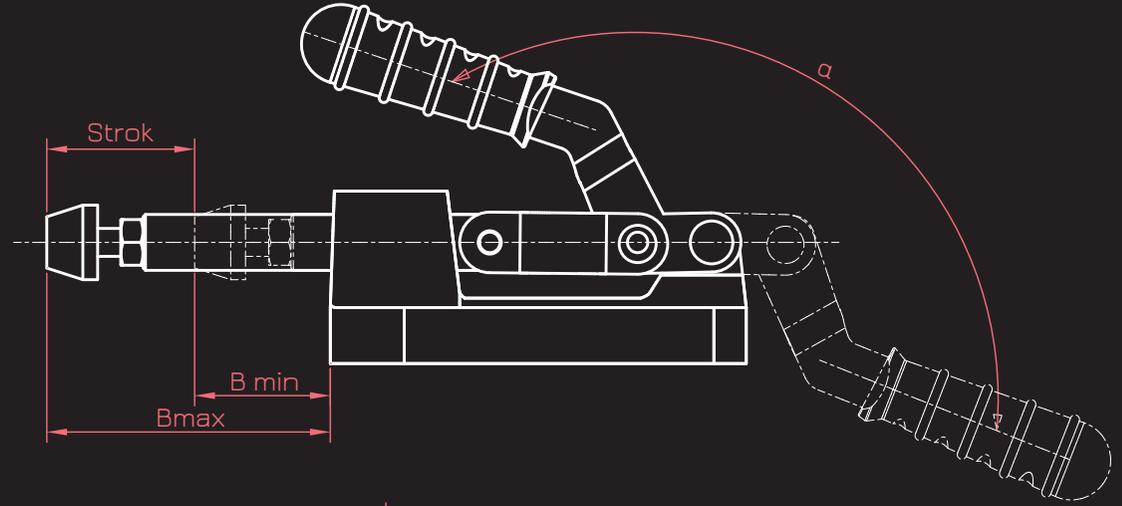
E PATLATILMIŞ
EXPLODE

ÖGE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	Gövde	1
2	Hareket kolu	2
3	Mafsal	2
4	Arka Pim	1
5	Orta Pim	1
6	Ön Pim	1
7	Mil	1
8	Kontra Somun	1
9	Baskı Papucu	1
10	Tutamak	1



AÇI ve HAREKET ANALİZİ ANGLE and MOTION ANALYSIS

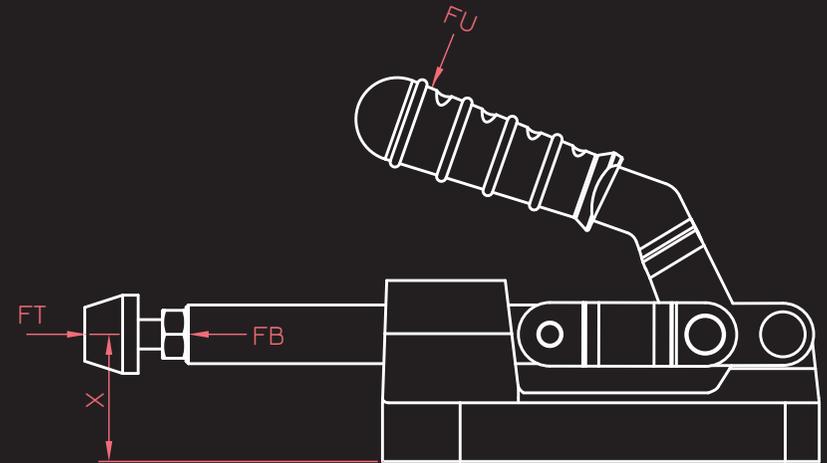
MODEL K.	$\alpha^{\circ}(\pm 2^{\circ})$	A	B min	B max	Strok	M	$\varnothing N$
16510	184°	7	8	38	30	M6	$\varnothing 10$
16512	184°	-	15	47	36	M8	$\varnothing 12$
16514	184°	-	38	80	42	M10	$\varnothing 14$
16516	184°	-	24,5	72,5	48	M10	$\varnothing 16$



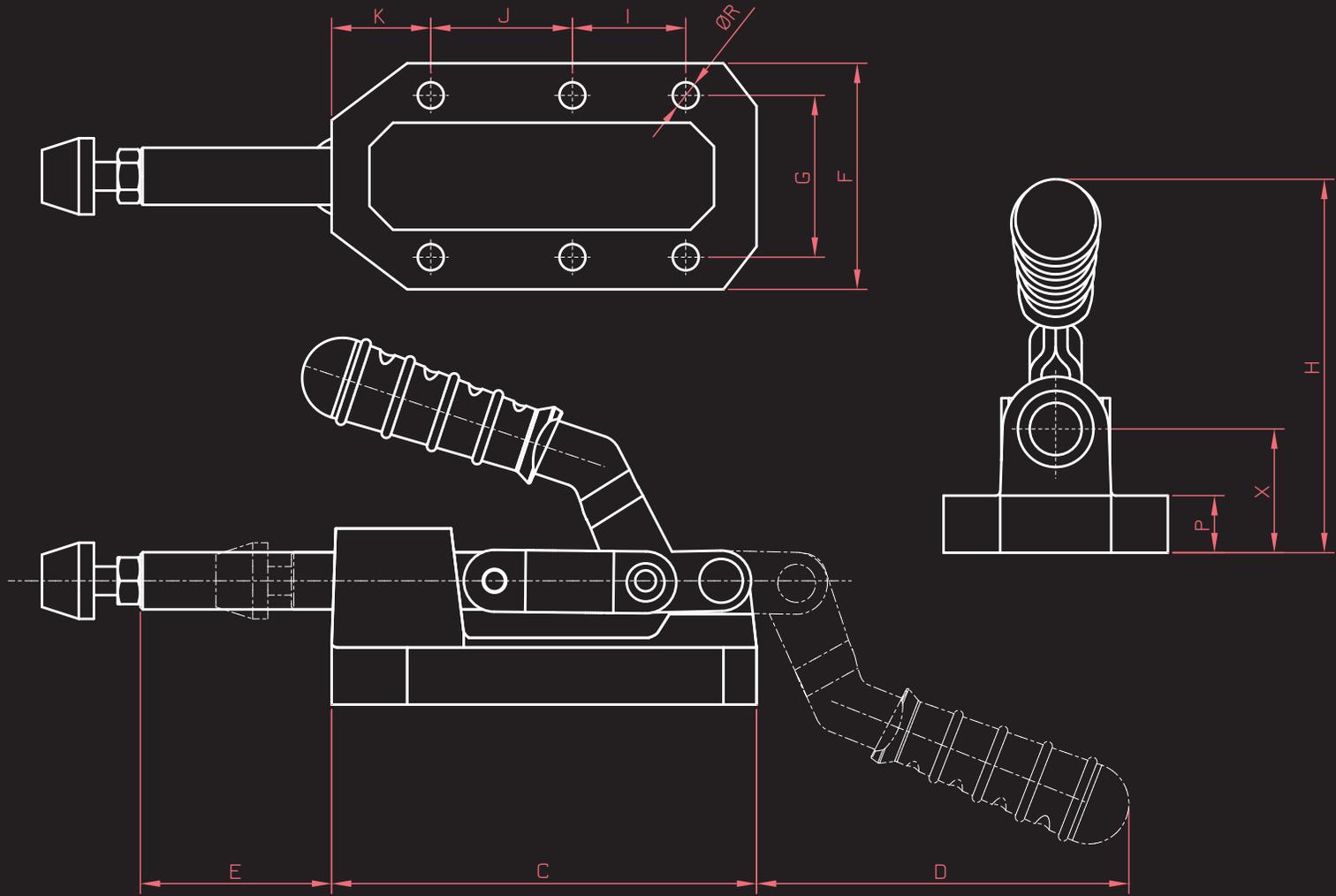
KUVVET ANALİZİ FORCE ANALYSIS

MODEL K.	X	FB	FT	FB:FU	AĞIRLIK (Kg) (Weight)
16510	19,2	2650	3850	18:1	0,45
16512	26	2850	4150	20:1	0,60
16514	22	3250	5450	23:1	0,95
16516	26	5000	9200	25:1	1,10

FB: BASKI KUVVETİ (EXERTINGFORCE), FT: TUTMA KAPASİTESİ (HOLDING CAPACITY)
FU:UYGULAMA KUVVETİ (APPLIED FORCE)



Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice



ÖLÇÜLENDİRME
DIMENSIONS

MODEL	C	D	E	F	G	H	I	J	K	P	ØR
16510	84	73	39,3	47,5	30,5	68	23,5	23,5	20	9,5	5,5
16512	90	90	40,5	47,5	34	80	24	30	21	12	5,5
16514	121,5	110	37,5	54	40	93	38,2	28	11	9	8,5
16516	133	140	42,5	55	42,5	100	38	25	12	10	9

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir. / Dimensions and technical information are subject to change without notice



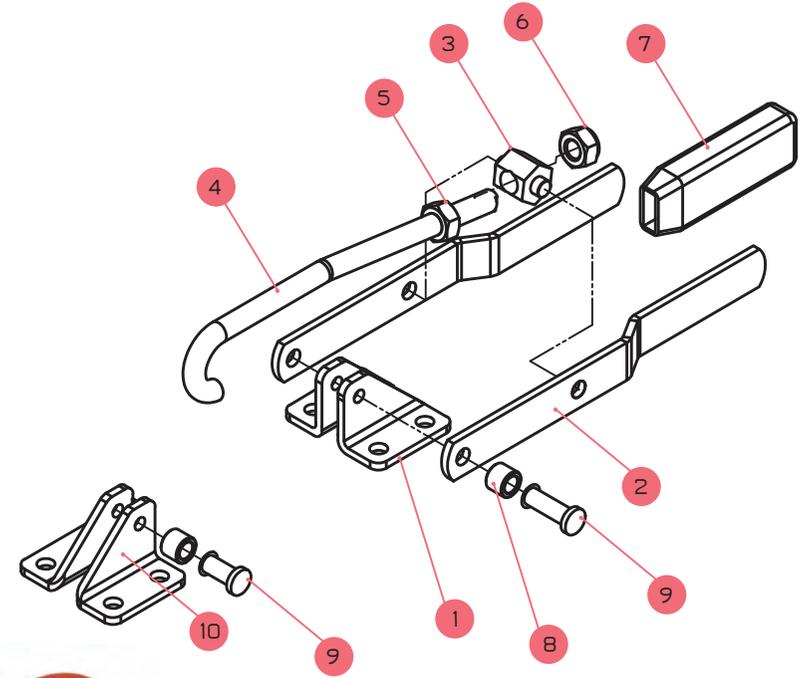
C-KANCALI BAĞLANTI ELEMENLARI

Latch Toggle Clamps
With 'C' Hook

C SERİ / C SERIES

Montaj tipi: Yatay Taban
Body Mounting Base: Horizontal


ENIGMA
clamp



 PATLATILMIŞ
EXPLODE

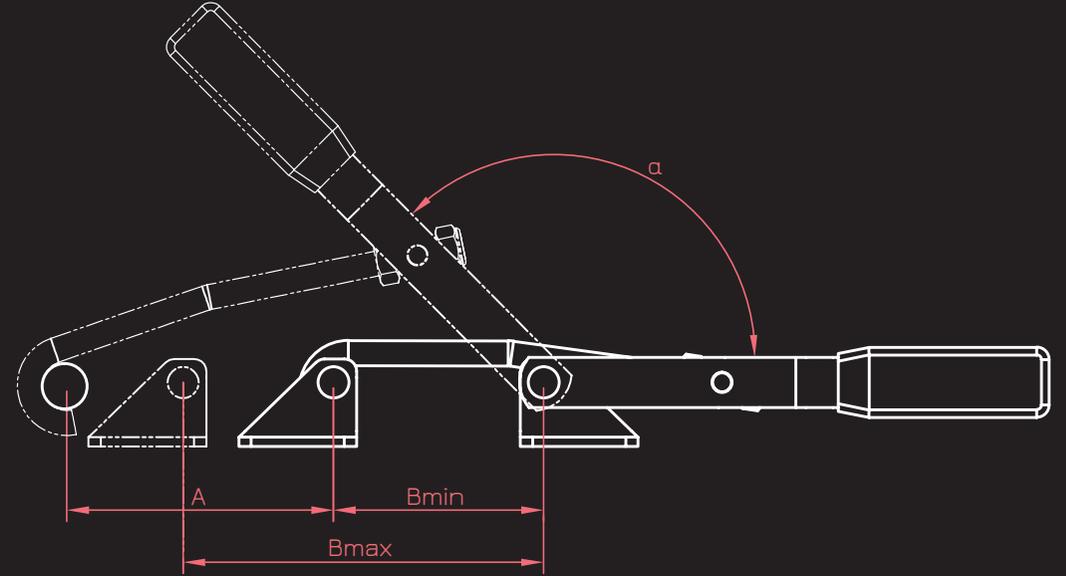
ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	Y Gövde	2
2	Hareket Kolu	2
3	Kanca Tutucu	1
4	Kanca	1
5	Somun	1
6	Fiberli Somun	1
7	Tutamak	1
8	Burc	2
9	Pim	2
10	Karşılık Kancası	1

Görsellerde verilen ürün, model kodu farklılıklarına göre değişiklik gösterebilir. / The product shown in the images may differ from some others depending on the model code differences.



AÇI ve HAREKET ANALİZİ ANGLE and MOTION ANALYSIS

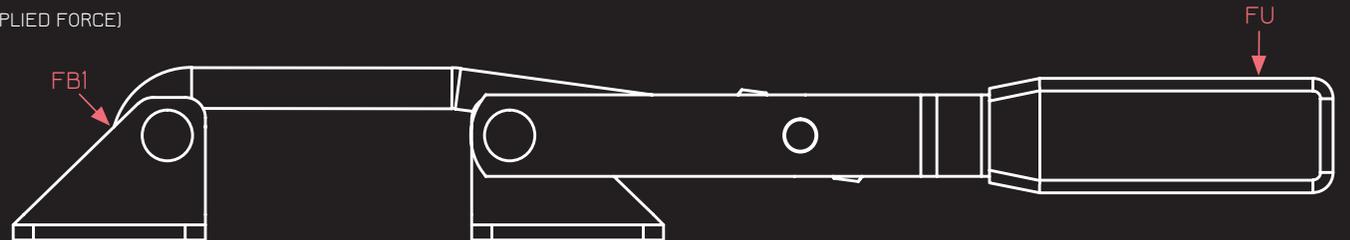
MODEL	α (+-2°)	A	B min	B max
13306 Y	155	70	38	50
13308 Y	155	110	50	70



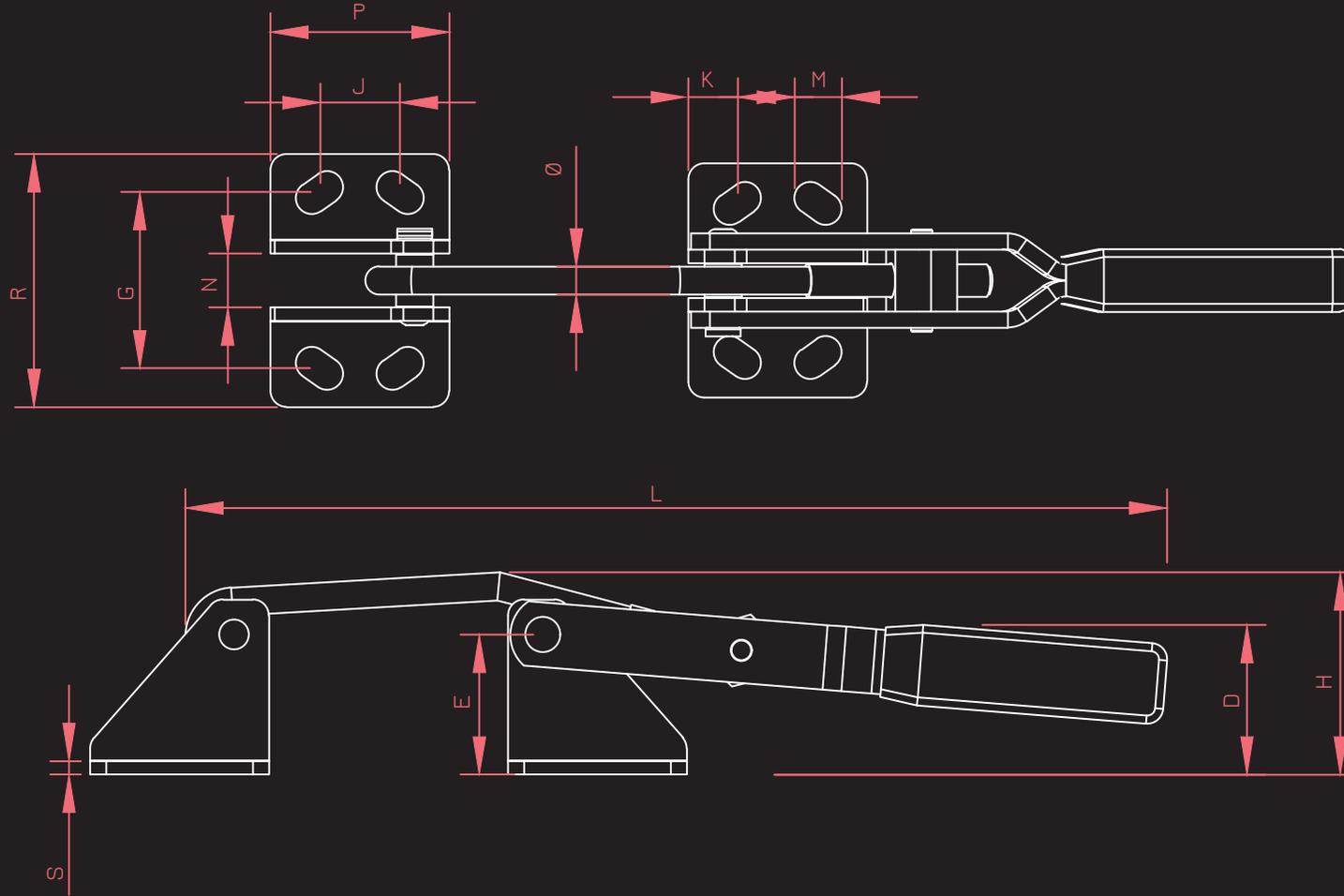
KUVVET ANALİZİ FORCE ANALYSIS

MODEL KODU	MAX. TUTMA KAPASİTESİ (kN) (HOLDING CAPACITY)	FB:FU	STROK (mm)	AĞIRLIK (Kg) (Weight)
13306 Y	2,4	20:1	12	0,14
13308 Y	3,75	35:1	20	0,28

FB: BASKI KUVVETİ (CLAMPING FORCE), FU: UYGULAMA KUVVETİ (APPLIED FORCE)



Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice



E | ÖLÇÜLENDİRME
DIMENSIONS

MODEL	D	E	G	H	J	K	L	N	P	R	S	Ø	M
13306 Y	33,5	26	31-34	40	12-18	9	178-185	10	33,5	47	2,5	M6	6X9,5
13308 Y	34,5	22,9	32-34	46	19-22,5	8	218-235	12	40	51,5	3	M8	7X10

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir. / Dimensions and technical information are subject to change without notice



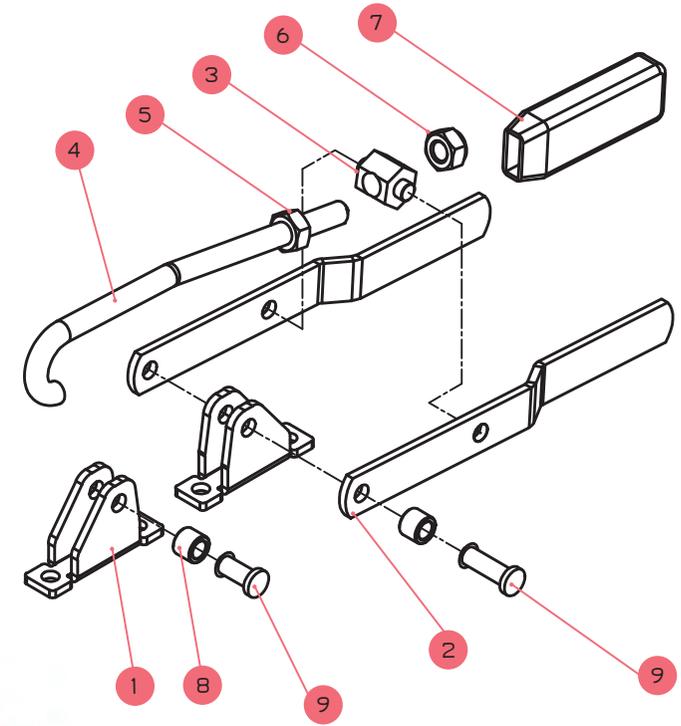
'C' KANCALI BAĞLANTI ELEMENLARI

Latch Toggle Clamps With
'C' Hook

C SERİ / C SERIES

Montaj tipi: I Taban

Body Mounting Base: I Base



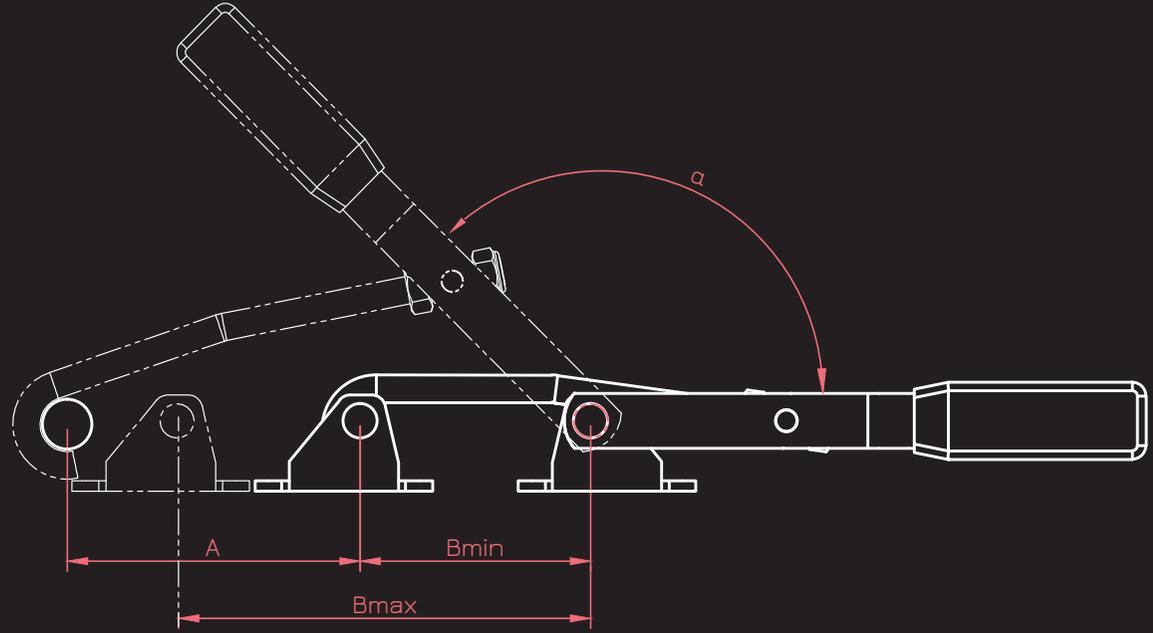
E PATLATILMIŞ
EXPLODE

ÖGE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	Gövde	2
2	Hareket kolu	2
3	Kanca Tutucu	1
4	C Kanca	1
5	Somun	1
6	Fiberli Somun	1
7	Tutamak	1
8	Burc	2
9	Pim	2

Görsellerde verilen ürün, model kodu farklılıklarına göre değişiklik gösterebilir. / The product shown in the images may differ from some others depending on the model code differences.

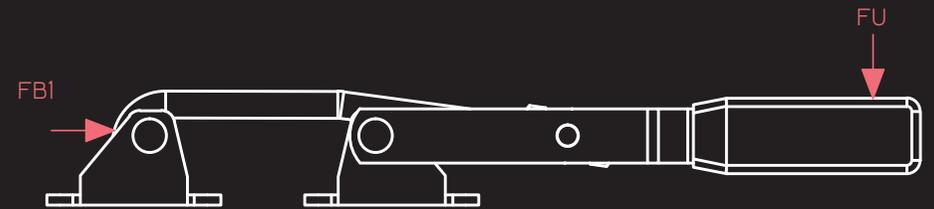
E | AÇI ve HAREKET ANALİZİ
ANGLE and MOTION ANALYSIS

MODEL	$\alpha^\circ(+/-2^\circ)$	A	B min	B max
13306 I	155°	70	32	42
13308 I	155°	110	44	61



E | KUVVET ANALİZİ
FORCE ANALYSIS

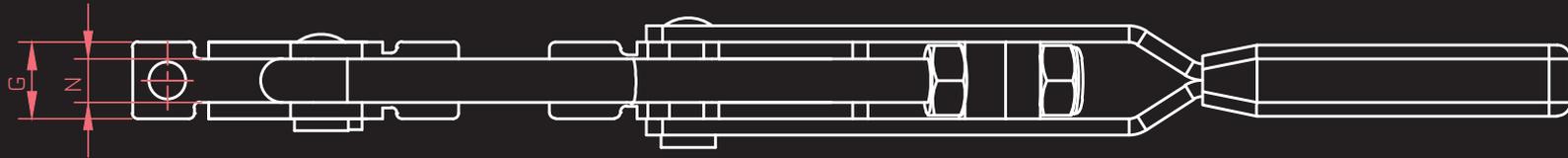
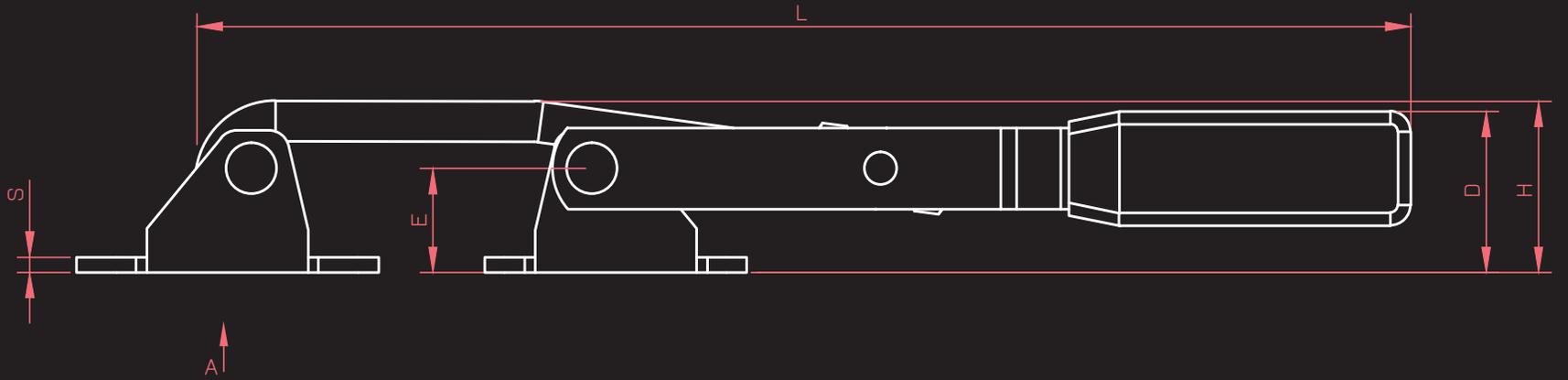
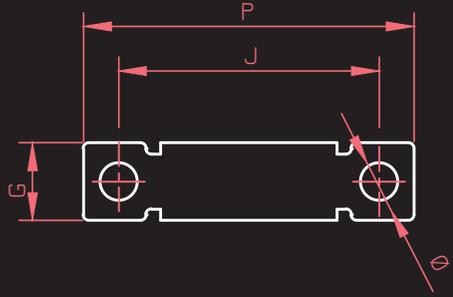
MODEL	MAX. TUTMA KAPASİYESİ (kN) (HOLDING CAPACITY)	FB:FU	STROK (mm)	AĞIRLIK (Kg) (Weight)
13306 I	2,4	20:1	7	0,14
13308 I	3,75	35:1	17	0,28



FB: BASKI KUVVETİ (EXERTINGFORCE), FU:UYGULAMA KUVVETİ (APPLIED FORCE)

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice

A BAKIŞI (DETAIL A)



ÖLÇÜLENDİRME
DIMENSIONS

MODEL	D	E	G	H	J	Lmin	Lmax	N	P	S	Ø
13306 I	23	16	11	30	38	175	185	6	50	2,5	5,2
13308 I	33	23,5	14	42	40	218	235	8	54	3	6,2

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir. / Dimensions and technical information are subject to change without notice

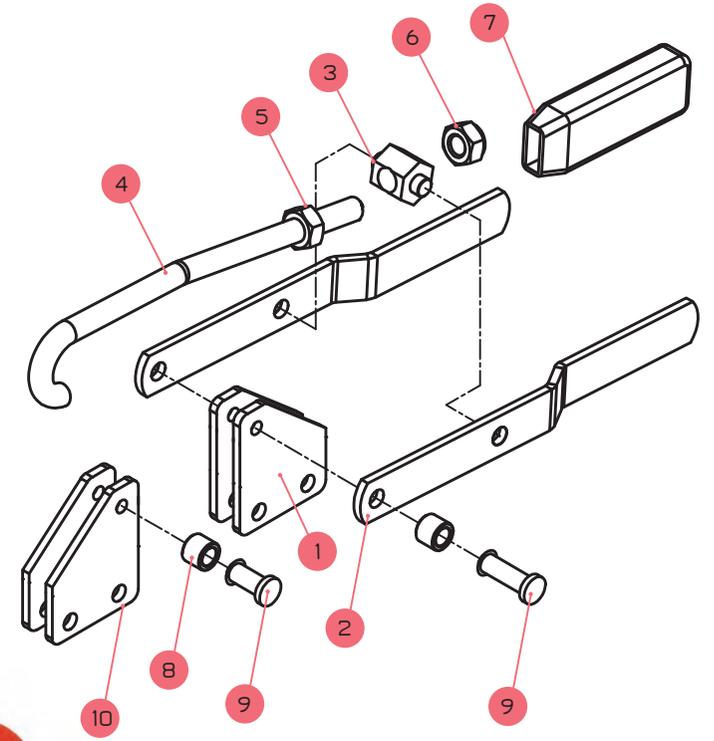


'C' KANCALI BAĞLANTI ELEMENLARI

Latch Toggle Clamps
With 'C' Hook

D SERİ / D SERIES

Montaj tipi: Dikey Taban
Body Mounting Base: Vertical



E PATLATILMIŞ
EXPLODE

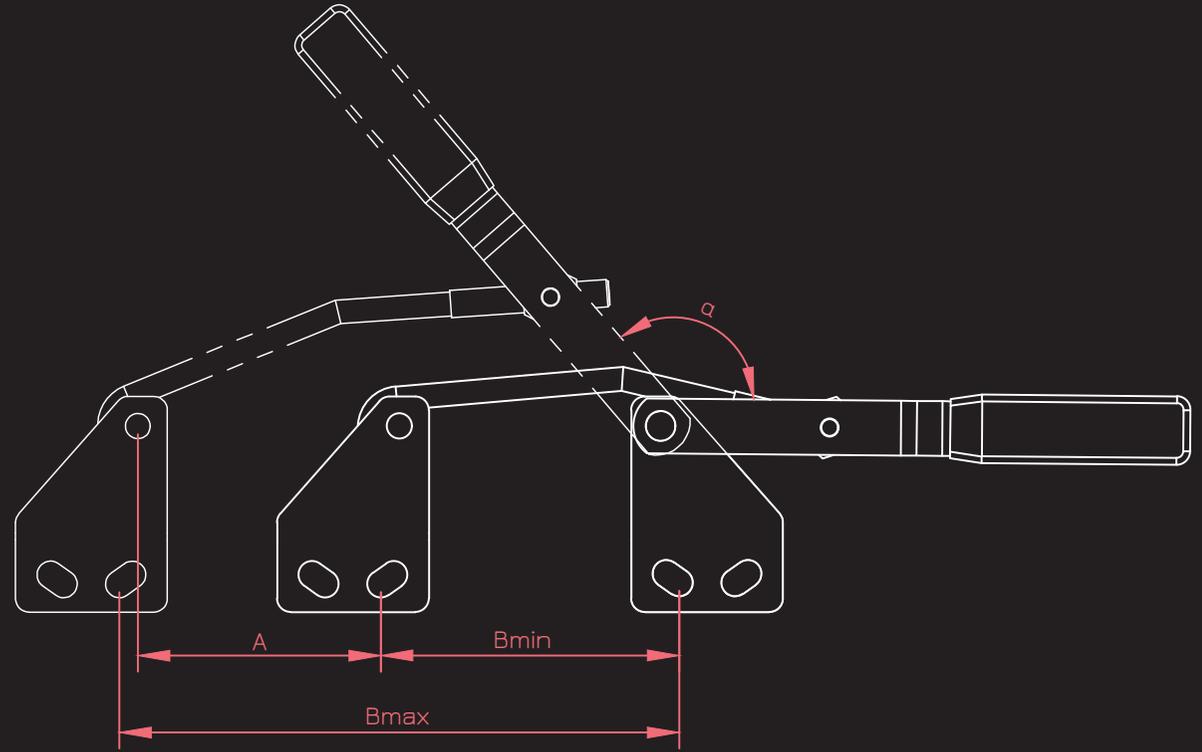
ÖĞE NO.	PARÇA ADI	MİKTAR
1	Gövde	2
2	Hareket kolu	2
3	Kanca Tutucu	1
4	C Kanca	1
5	Somun	1
6	Fiberli Somun	1
7	Tutamak	1
8	Burc	2
9	Pim	2
10	Karşılık Kancası	1

Görsellerde verilen ürün, model kodu farklılıklarına göre değişiklik gösterebilir. / The product shown in the images may differ from some others depending on the model code differences.



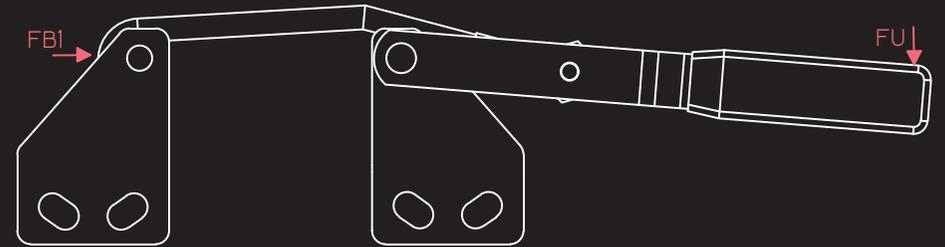
AÇI ve HAREKET ANALİZİ ANGLE and MOTION ANALYSIS

MODEL	$\alpha^{\circ}(+2^{\circ})$	A	B min	B max
13306 D	155°	70	32	42
13308 D	155°	110	44	61



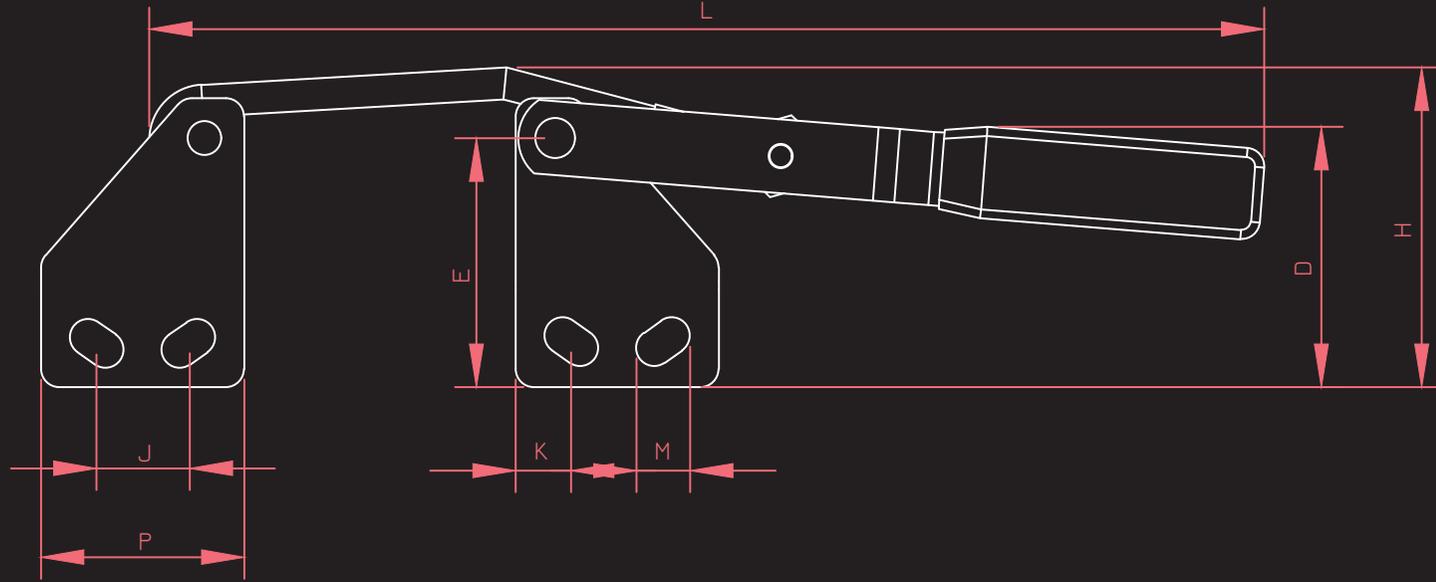
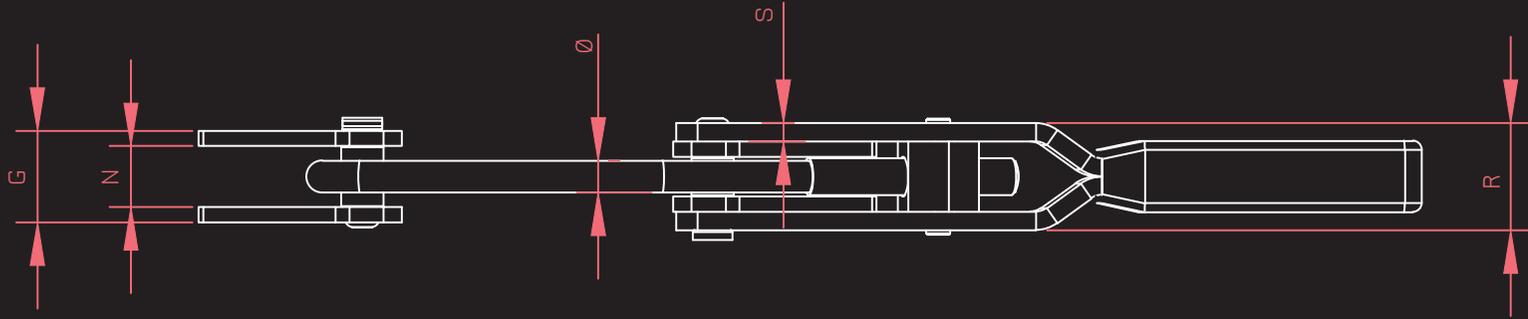
KUVVET ANALİZİ FORCE ANALYSIS

MODEL	MAX. TUTMA KAPASİYESİ (kN) (HOLDING CAPACITY)	FB:FU	STROK (mm)	AĞIRLIK (Kg) (Weight)
13306 D	2,4	20:1	7	0,14
13308 D	3,75	35:1	17	0,28



FB: BASKI KUVVETİ (EXERTINGFORCE), FU:UYGULAMA KUVVETİ (APPLIED FORCE)

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice



ÖLÇÜLENDİRME
DIMENSIONS

MODEL	D	E	G	H	J	K	Lmin	Lmax	N	P	R	S	Ø
13306 D	48	33	15	54	12,5-18	8	175	185	10	33,5	18	2,5	M,6
13308 D	47	31,5	10	62	19,5-25	8	240	260	12	41,5	24	3	M,8



U KANCALI BAĞLANTI ELEMENLARI

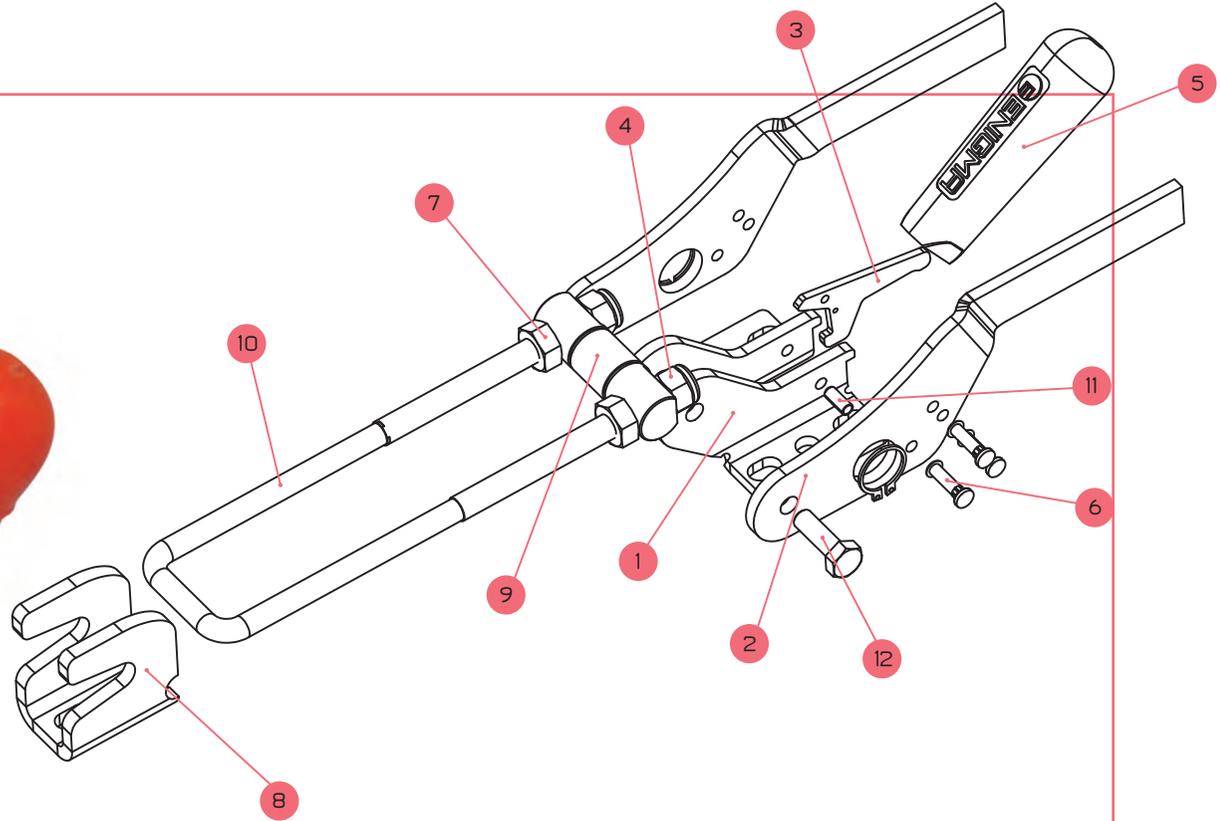
Horizontal Toggle Clamps
With 'U' Hook

Y SERİ / Y SERIES

Montaj Tipi: Yatay Taban
Body Mounting Base: Horizontal



ENIGMA
clamp



PATLATILMIŞ
EXPLODE

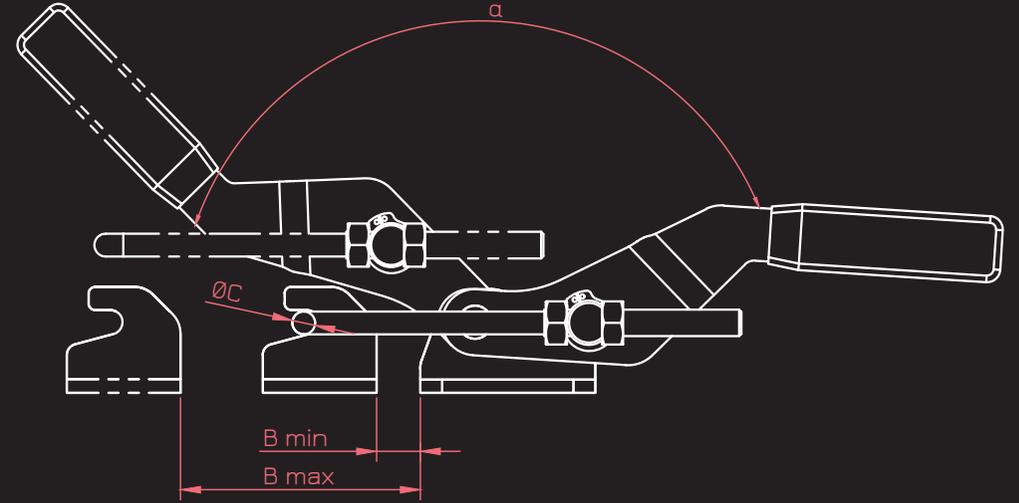
ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	Y Gövde	2
2	Hareket Kolu	2
3	Kilit	1
4	Fiberli Somun	2
5	Tutamak	1
6	Pim	3
7	Somun	1
8	Karşılık Kancası	1
9	Kanca Mili	1
10	U Kanca	1
11	Yanklı Pim	1
12	Civata	1

Görsellerde verilen ürün, model kodu farklılıklarına göre değişiklik gösterilebilir. / The product shown in the images may differ from some others depending on the model code differences.

E AÇI ve HAREKET ANALİZİ
ANGLE and MOTION ANALYSIS

KİLİTLİ/LOCK

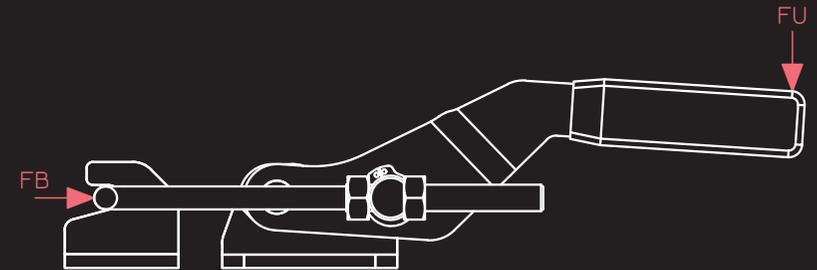
MODEL	MODEL	α°	B min	B max	$\emptyset C$
13004 Y-K	13004 Y	140°	10	40	$\emptyset 4,2$
	13006 Y	140°	10	40	$\emptyset 5,2$
	13406 Y	140°	10	40	$\emptyset 5,2$
13906 Y-K	13906 Y	140°	10	40	$\emptyset 5,2$
13008 Y-K	13008 Y	140°	7	42	$\emptyset 8$
13010 Y-K	13010 Y	140°	66	119	$\emptyset 10$
13012 Y-K	13012 Y	140°	72	125	$\emptyset 12$



E KUVVET ANALİZİ
FORCE ANALYSIS

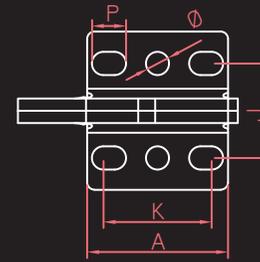
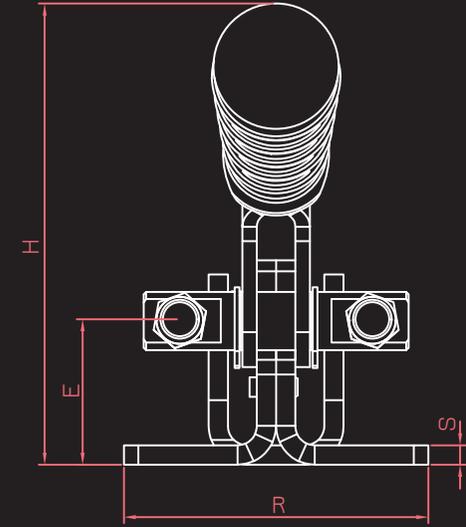
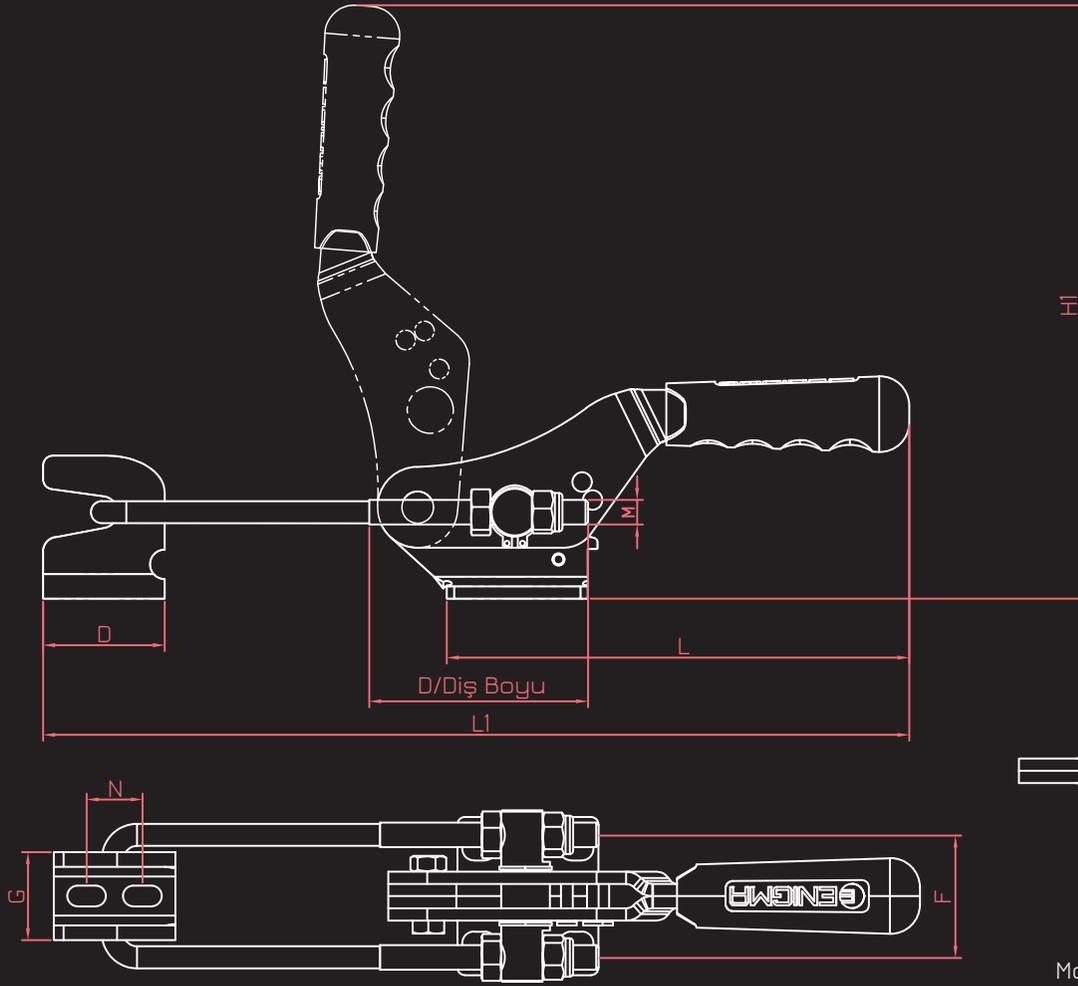
KİLİTLİ/LOCK

MODEL	MODEL	MAX. TUTMA KAPASİTESİ (kN) (HOLDING CAPACITY)	FB:FU	AĞIRLIK (Kg) (Weight)
13004 Y-K	13004 Y	1,9	20:1	0.10
	13006 Y	3,1	30:1	0.25
	13406 Y	3,1	32:1	0.34
13906 Y-K	13906 Y	3,1	32:1	0.34
13008 Y-K	13008 Y	8,8	28:1	0.65
13010 Y-K	13010 Y	10,1	40:1	1.24
13012 Y-K	13012 Y	13,5	42:1	1.35

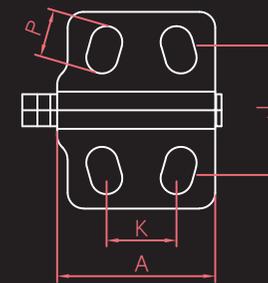


FB: BASKI KUVVETİ (EXERTING FORCE), FU: UYGULAMA KUVVETİ (APPLIED FORCE)

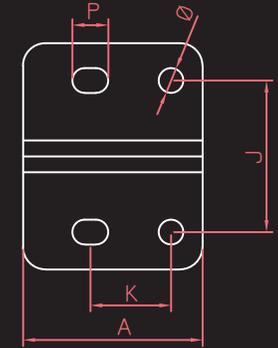
Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice



Model: 13008 Y
13010 Y
13012 Y



Model: 13004 Y
13006 Y
13906 Y



Model: 13406 Y



ÖLÇÜLENDİRME
DIMENSIONS

KİLİTLİ / LOCK

MODEL	MODEL	A	B	D	E	F	G	H	H1	J	K	L	L1min	L1max	M	N	R	S	Ø	P
13004 Y-K	13004 Y	28	28	40	18	23	13,5	62	123	20-25,5	13,5-15	98	150	175,5	M4	10-14	37	3	-	6x9
	13006 Y	46	26	48	20	28	18	44	140	25-30,5	19-24,5	124	174	207	M6	15	48	3	-	8x12
	13406 Y	40	26	48	16,5	28	18	79	180	26-31	19-25	154	204	234	M6	15	50	3	5,5	5,5x8
13906 Y-K	13906 Y	40	26	48	15,2	28	18	70	180	28,4	22	165	204	234	M6	15	46	3	-	5,5x9,5
13008 Y-K	13008 Y	58	36	50	30	40	28	95	228	37,2	31,5-40,5	178	274	300	M8	18-21	63,2	4	9,5	9,5x14
13010 Y-K	13010 Y	58	50	90	35,5	50	36	92	243	38,6	35,5-44,5	189,5	313,5	367,5	M10	15,5-30,5	65	5	9,5	9,5x14
13012 Y-K	13012 Y	58	50	90	35,3	54	36	91,3	242	38,6	35,5-44,5	189,5	313,5	367,5	M12	15,5-30,5	65	5	9,5	9,5x14



U KANCALI BAĞLANTI ELEMENLARI

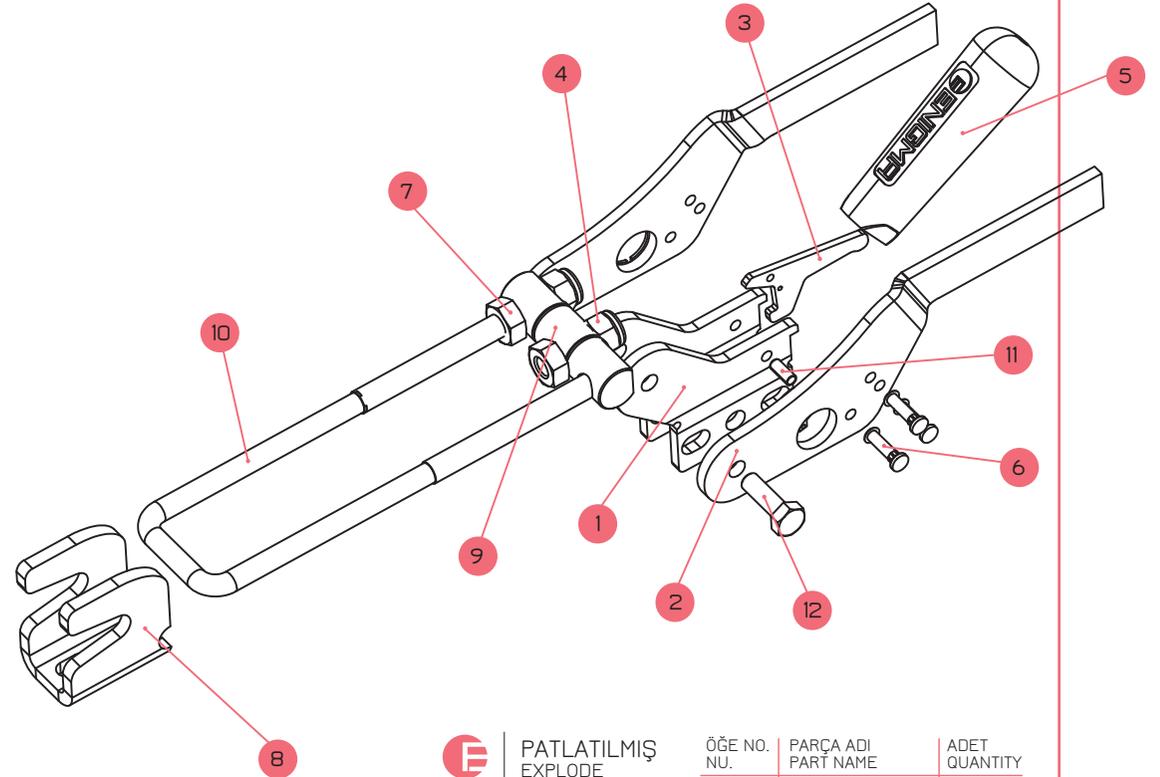
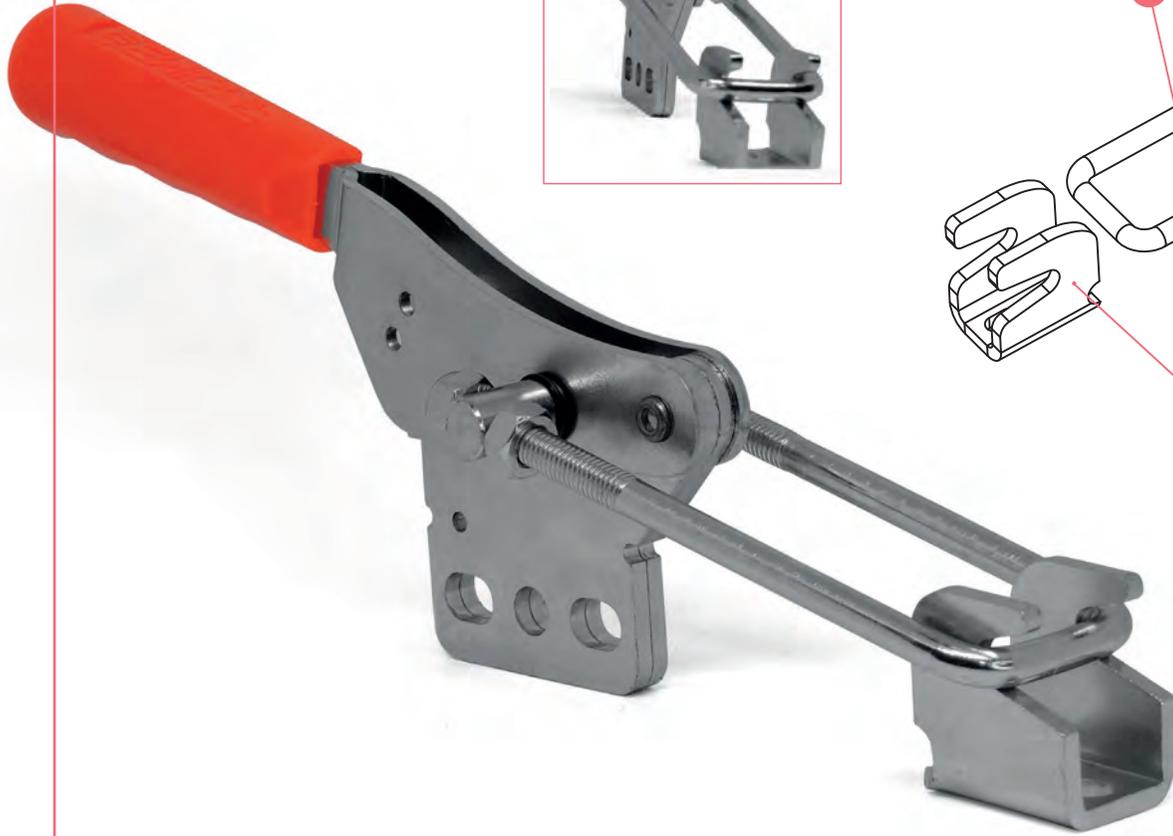
Horizontal Toggle Clamps
With 'U' Hook

D SERİ / D SERIES

Montaj Tipi: Dikey Taban
Body Mounting Base: Vertical



ENIGMA
clamp



E PATLATILMIŞ
EXPLODE

ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	D Gövde	2
2	Hareket Kolu	2
3	Kilit	1
4	Fiberli Somun	2
5	Tutamak	1
6	Pim	3
7	Somun	1
8	Karşılık Kancası	1
9	Kanca Mili	1
10	U Kanca	1
11	Yarıklı Pim	1
12	Civata	1

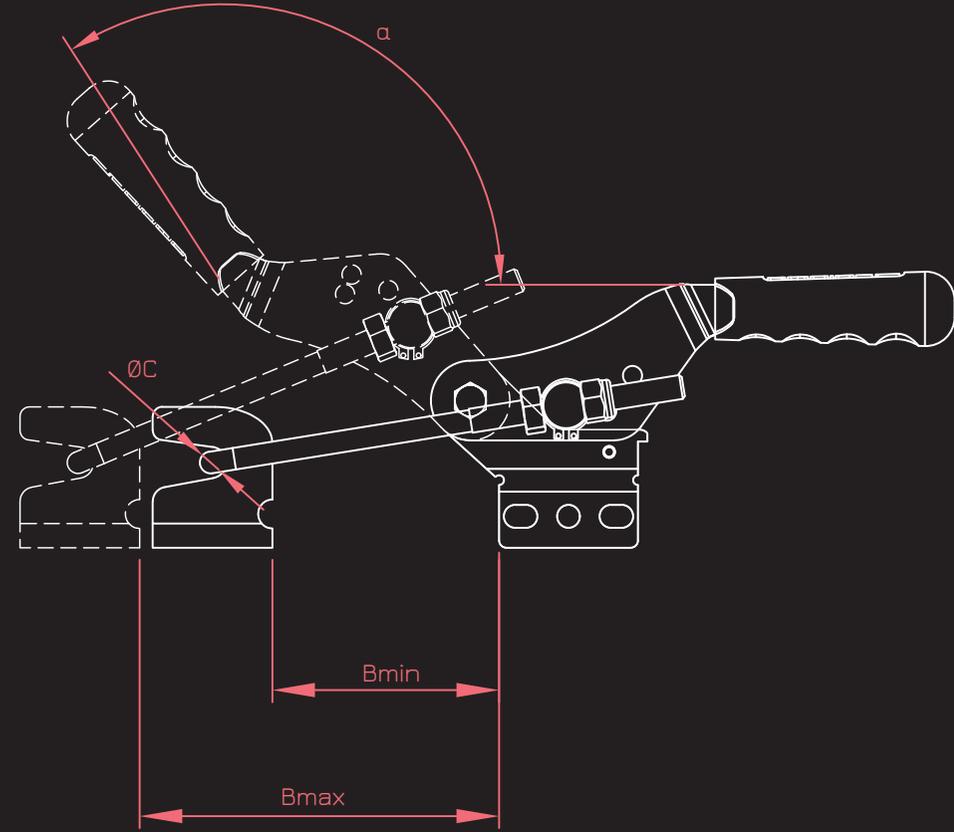
Görsellerde verilen ürün, model kodu farklılıklarına göre değişiklik gösterilebilir. / The product shown in the images may differ from some others depending on the model code differences.



AÇI ve HAREKET ANALİZİ ANGLE and MOTION ANALYSIS

KİLİTLİ/LOCK

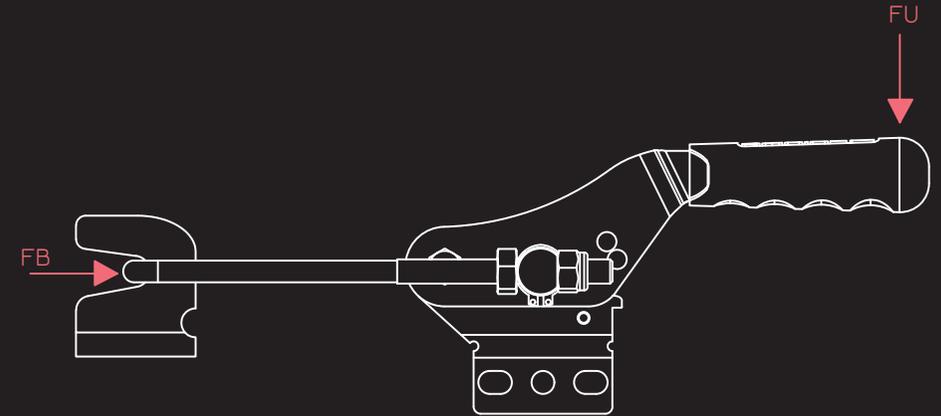
MODEL	MODEL	α°	B min	B max	$\emptyset C$
13004 D-K	13004 D	140°	10	40	$\emptyset 4,2$
	13006 D	140°	10	40	$\emptyset 5,2$
	13406 D	140°	10	40	$\emptyset 5,2$
13906 D-K	13906 D	140°	10	40	$\emptyset 5,2$
13008 D-K	13008 D	140°	7	42	$\emptyset 8$
13010 D-K	13010 D	140°	66	119	$\emptyset 10$
13012 D-K	13012 D	140°	72	125	$\emptyset 12$



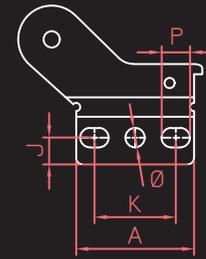
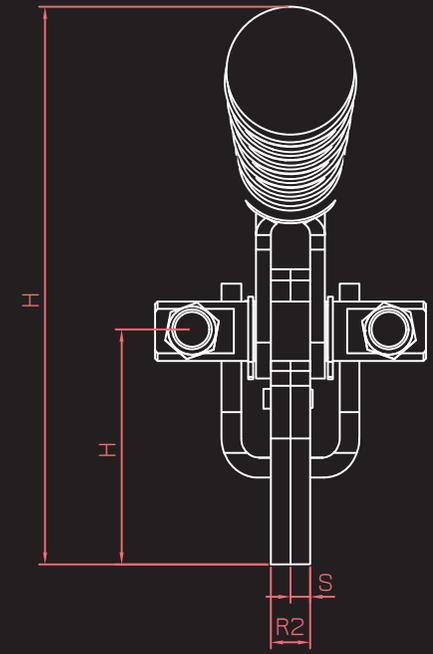
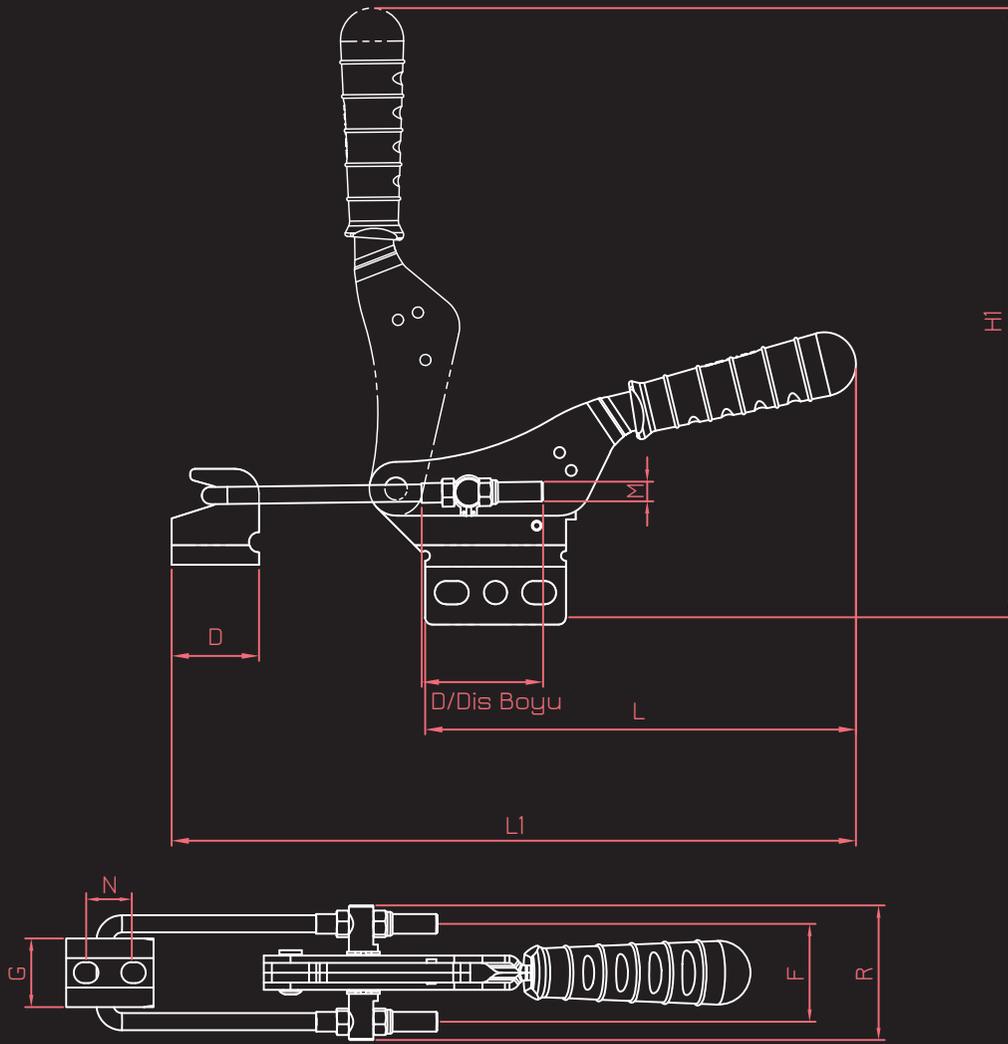
KUVVET ANALİZİ FORCE ANALYSIS

KİLİTLİ/LOCK

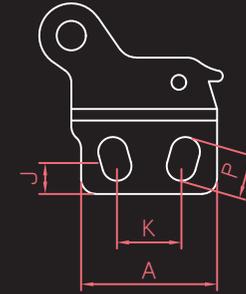
MODEL	MODEL	MAX. TUTMA KAPASİTESİ (kN) (HOLDING CAPACITY)	FB:FU	AĞIRLIK (Kg) (Weight)
13004 D-K	13004 D	1,9	20:1	0.10
	13006 D	3,1	30:1	0.25
	13406 D	3,1	32:1	0.34
13906 D-K	13906 D	3,1	32:1	0.34
13008 D-K	13008 D	8,8	28:1	0.65
13010 D-K	13010 D	10,1	40:1	1.24
13012 D-K	13012 D	13,5	42:1	1.35



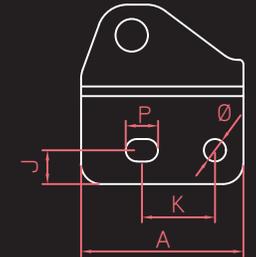
FB: BASKI KUVVETİ (EXERTINGFORCE), FU:UYGULAMA KUVVETİ (APPLIED FORCE)



Model: 13108 D
13110 D
13112 D



Model: 13004 D
13006 D
13906 D



Model: 13406 D

F ÖLÇÜLENDİRME
DIMENSIONS

KİLİTLİ / LOCK

KİLİTLİ	MODEL	A	D	E	F	G	H	H1	J	K	L	L _{min}	L _{max}	M	TL	N	R	R2	S	Ø	P
13004 D-K	13004 D	28	28	18	23	13,5	62	123	5,7-8,6	13,5-15	98	150	175,5	M4	40	10-14	31,5	6	3	-	6x9
	13006 D	46	26	20	28	18	44	140	8,5-11,4	19-24,5	124	174	207	M6	48	15	39	6	3	-	8x12
	13406 D	40	26	16,5	28	18	79	180	8,25	19-25	154	204	234	M6	48	15	39	6	3	5,5	5,5x8
13906 D-K	13906 D	40	26	15,2	28	18	70	180	7,5-10,1	22	165	204	234	M6	48	15	39	6	3	-	5,5x9,5
13008 D-K	13008 D	58	36	30	40	28	95	228	13	31,5-40,5	178	274	300	M8	50	18-21	55	8	4	9,5	9,5x14
13010 D-K	13010 D	58	50	35,5	50	36	115	266	13	35,5-44,5	189,5	313,5	367,5	M10	90	15,5-30,5	70	10	5	9,5	9,5x14
13012 D-K	13012 D	58	50	35,5	50	36	115	266	13	35,5-44,5	189,5	313,5	367,5	M10	90	15,5-30,5	75	10	5	9,5	9,5x14



U KANCALI BAĞLANTI ELEMENLARI

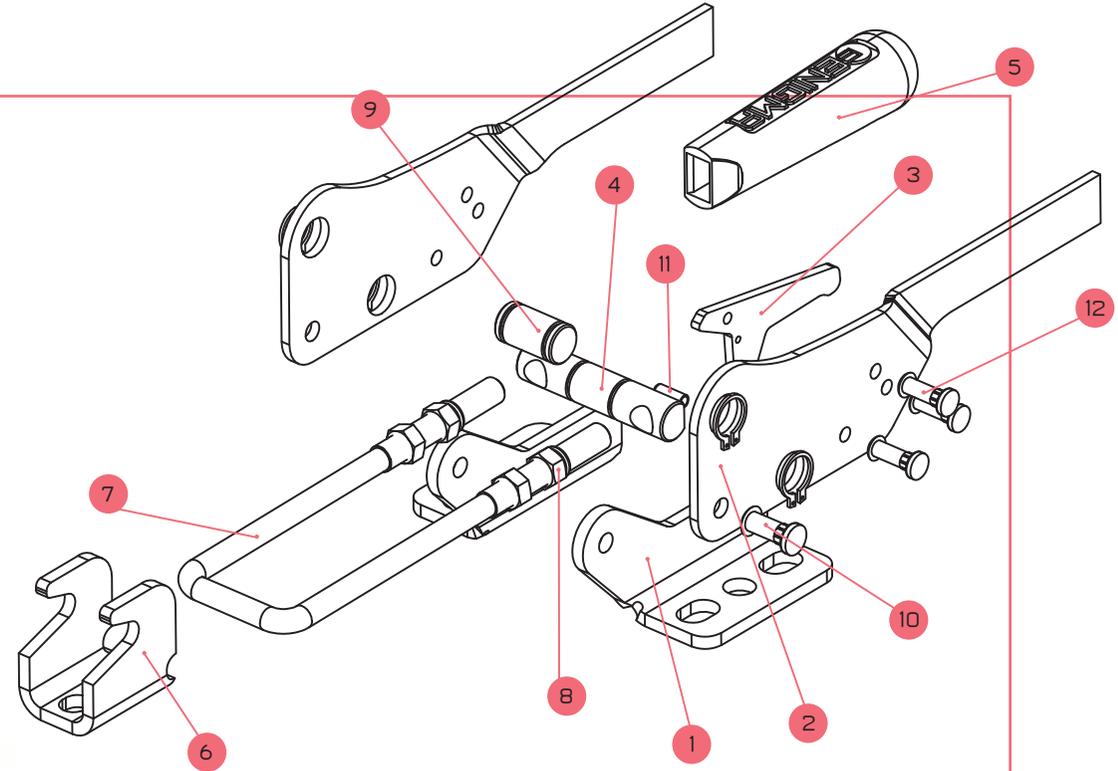
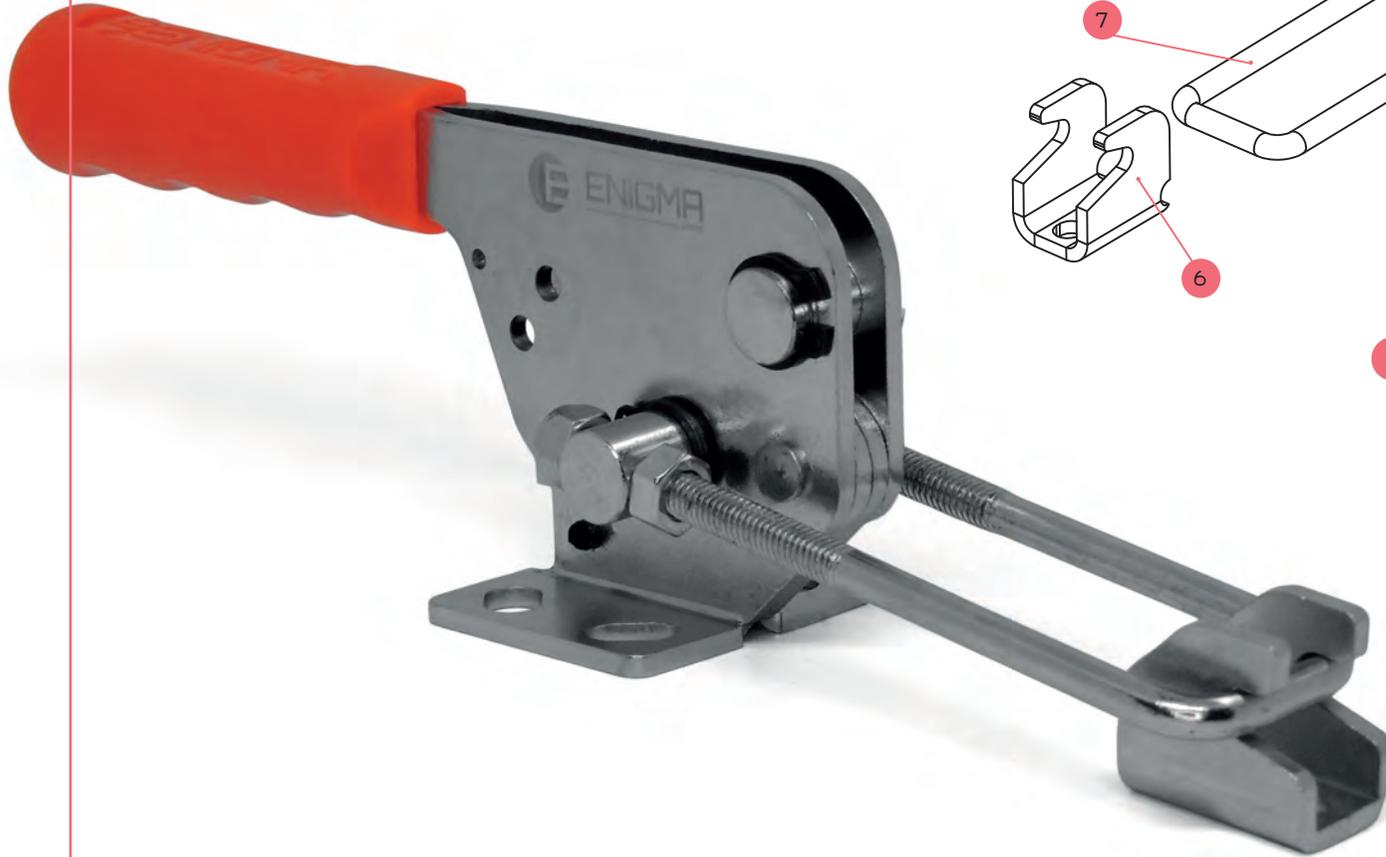
Horizontal Toggle Clamps
With 'U' Hook

Y SERİ / Y SERIES

Montaj Tipi: Yatay Taban
Body Mounting Base: Horizontal



ENIGMA
clamp



PATLATILMIŞ
EXPLODE

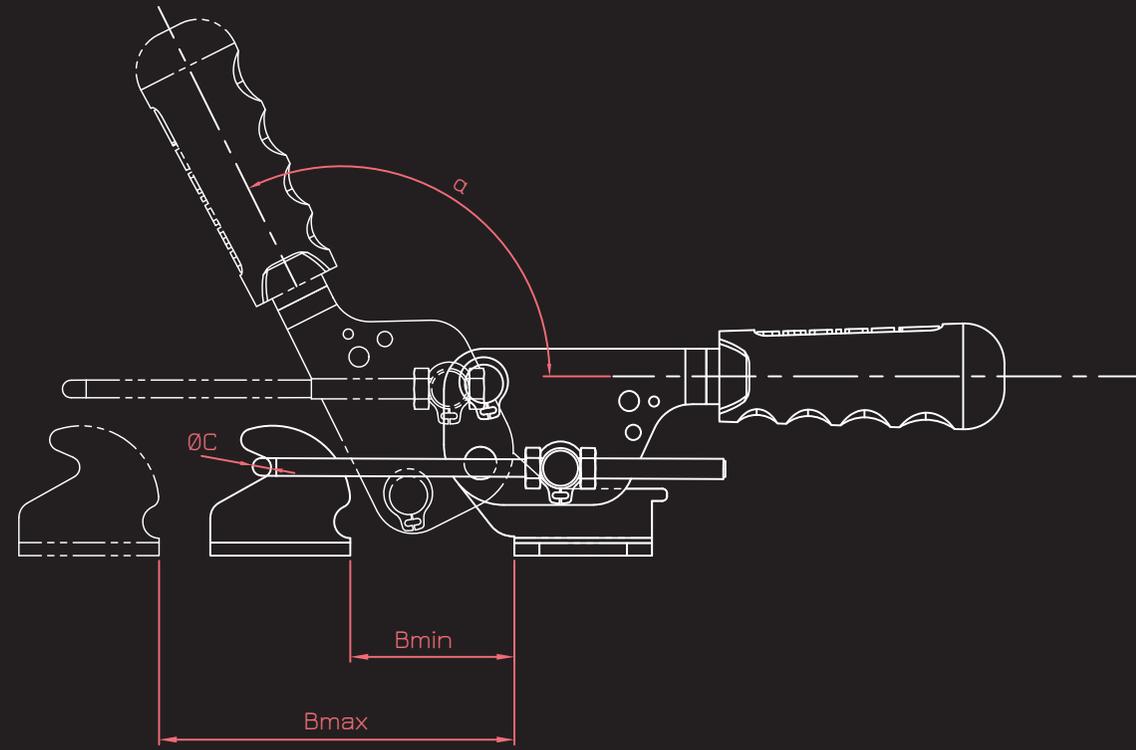
ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	Y Gövde	2
2	Hareket Kolu	2
3	Kilit	1
4	Kanca Mili	1
5	Tutamak	1
6	Karşılık Kancası	1
7	U Kanca	1
8	Somun	4
9	Kanca Mili	1
10	Pim	1
11	Yarıklı Pim	1
12	Pim	3

Görsellerde verilen ürün, model kodu farklılıklarına göre değişiklik gösterebilir. / The product shown in the images may differ from some others depending on the model code differences.



AÇI ve HAREKET ANALİZİ ANGLE and MOTION ANALYSIS

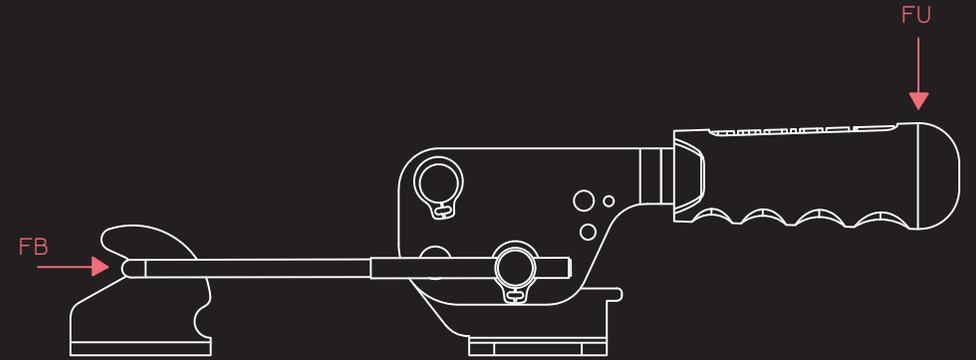
MODEL	Kilitli Safety Latch	$\alpha^{\circ} (+/-2^{\circ})$	B min	B max	$\varnothing C$
13104 Y		110°	30	60	$\varnothing 3.5$
13105 Y	13105 Y-K	110°	28	54	$\varnothing 3.5$
13106 Y	13106 Y-K	112°	30	60	$\varnothing 6$
13108 Y	13108 Y-K	114°	46.5	76	$\varnothing 8$
13110 Y	13110 Y-K	116°	72	127	$\varnothing 10$
13112 Y	13112 Y-K	116°	73	128	$\varnothing 12$



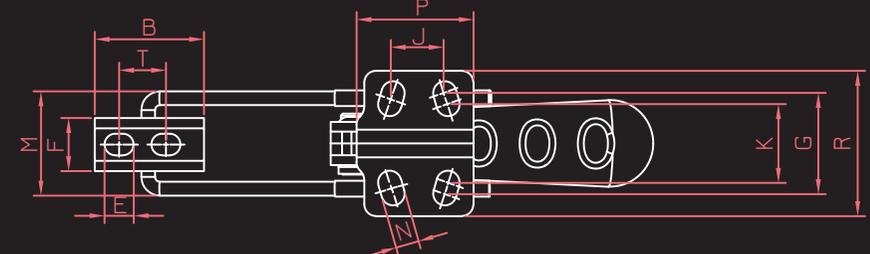
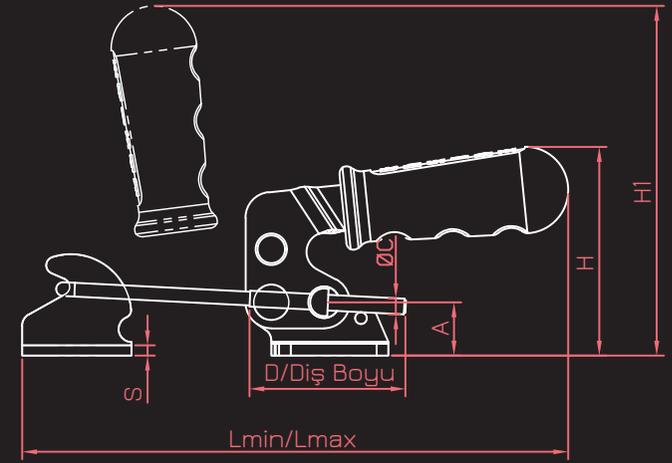
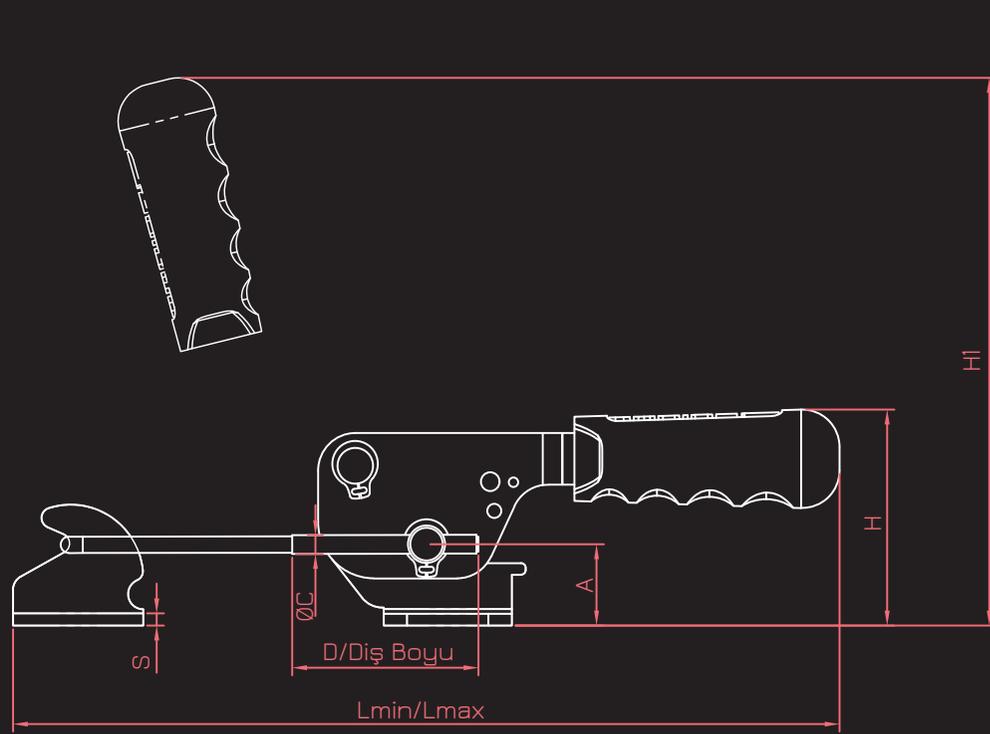
KUVVET ANALİZİ FORCE ANALYSIS

MODEL	Kilitli Safety Latch	MAX. TUTMA KAPASİTESİ (kN) (HOLDING CAPACITY)	FB:FU	AĞIRLIK (Kg) (Weight)
13104 Y		2	20:1	0.07
13105 Y	13105 Y-K	2.2	20:1	0.18
13106 Y	13106 Y-K	3.3	22:1	0.35
13108 Y	13108 Y-K	8.2	25:1	0.85
13110 Y	13110 Y-K	12	30:1	1.1
13112 Y	13112 Y-K	15	35:1	1.2

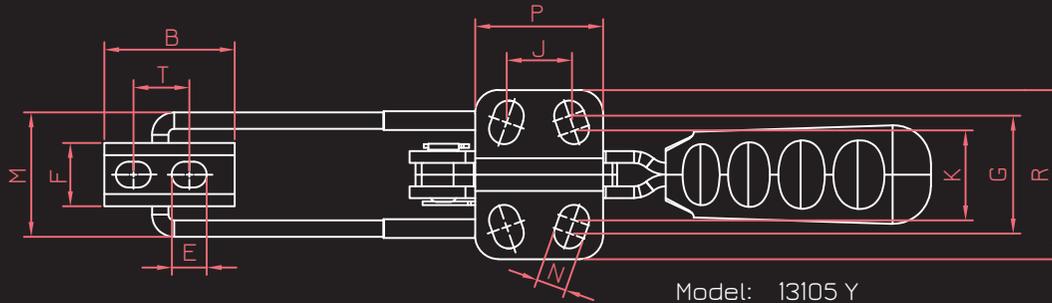
FB: BASKI KUVVETİ (EXERTING FORCE), FU: UYGULAMA KUVVETİ (APPLIED FORCE)



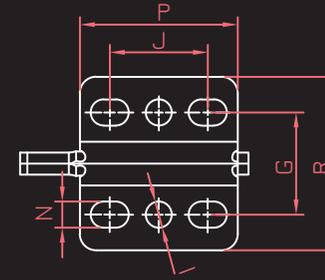
Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice



Model: 13104 Y



Model: 13105 Y
13106 Y



Model: 13108 Y
13110 Y
13112 Y



ÖLÇÜLENDİRME
DIMENSIONS

KİLİTLİ / LOCK

KİLİTLİ	MODEL	A	B	C	D	E	F	G	H	H1	I	J	K	Lmin	Lmax	M	N	P	R	S	T
	13104 Y	13	28	M4	40	5,5x7,5	13,5	25,5	49,5	87	-	13,5-15	13,5-15	129	155,5	26,5	6	30	37	2,5	10-14
13105 Y-K	13105 Y	17,5	28	M4	40	5,5x7,5	13,5	25	46	123	-	13-15	13-15	154	180	26,5	6,5	27,5	36	2,5	10-14
13106 Y-K	13106 Y	25	26	M6	48	18	15	31	66	185	-	19-25	19-25	209	236	33,2	7,5	40	44,5	3	16
13108 Y-K	13108 Y	31	36	M8	50	8,5x10	28	37,5	74,5	224	Ø9,5	31,5-40,5	31,5-40,5	275	304	47	9,5	58	63	4	19,5
13110 Y-K	13110 Y	35,3	40	M10	90	8,5x16	36	38,5	95	238	Ø9,5	35,5-44,5	35,5-44,5	314	367	59	9,5	58	64,5	6	15,5-30,5
13112 Y-K	13112 Y	35,3	50	M12	90	8,5x16	36	38,5	95	232	Ø9,5	35,5-44,5	35,5-44,5	316	364	64,5	9,5	58	64,5	6	8,5-16

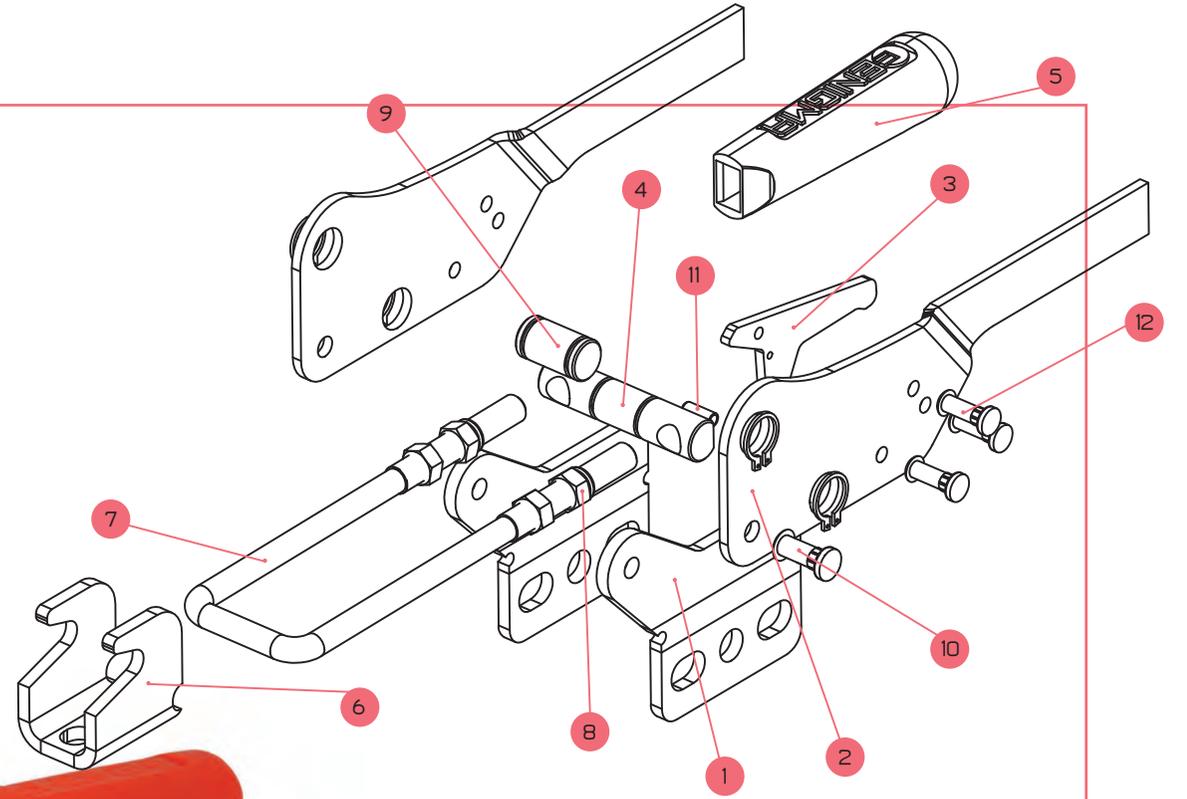


U KANCALI BAĞLANTI ELEMENLARI

Horizontal Toggle Clamps
With 'U' Hook

D SERİ / D SERIES

Montaj Tipi: Dikey Taban
Body Mounting Base: Vertical



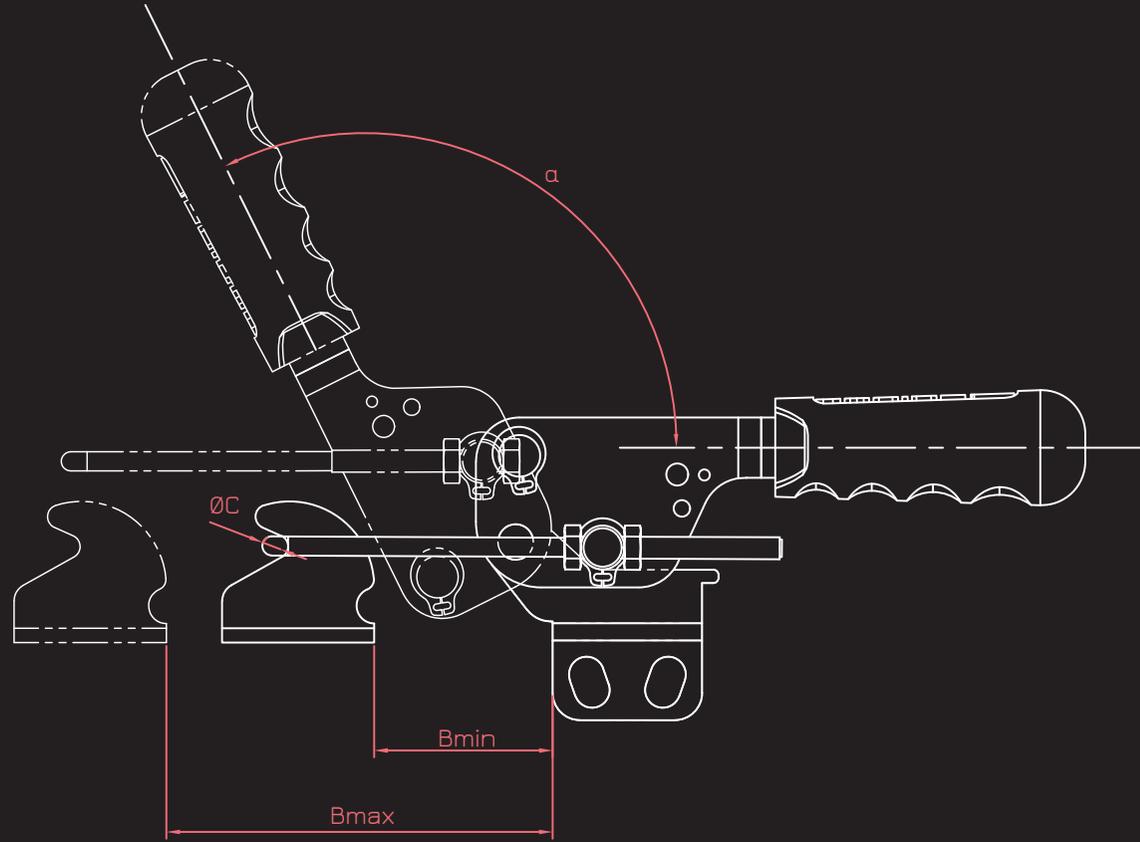
E PATLATILMIŞ
EXPLODE

ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	D Gövde	2
2	Hareket Kolu	1
3	Kilit	1
4	Kanca Mili	1
5	Tutamak	1
6	Karşılık Kancası	1
7	U Kanca	1
8	Somun	4
9	Kanca Mili	1
10	Pim	1
11	Yarıklı Pim	1
12	Pim	3

Görsellerde verilen ürün, model kodu farklılıklarına göre değişiklik gösterilebilir. / The product shown in the images may differ from some others depending on the model code differences.

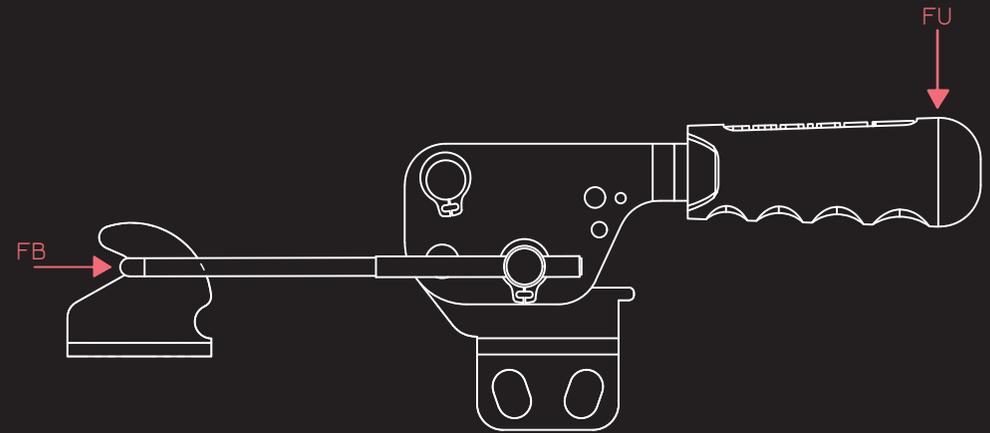
E AÇI ve HAREKET ANALİZİ
ANGLE and MOTION ANALYSIS

MODEL	Kilitli Safety Latch	$\alpha^{\circ}(+ -2^{\circ})$	B min	B max	$\varnothing C$
13104 D		110°	30	60	$\varnothing 3.5$
13105 D	13105 D-K	110°	28	54	$\varnothing 3.5$
13106 D	13106 D-K	112°	30	60	$\varnothing 6$
13108 D	13108 D-K	114°	46.5	76	$\varnothing 8$
13110 D	13110 D-K	116°	72	127	$\varnothing 10$
13112 D	13112 D-K	116°	73	128	$\varnothing 12$



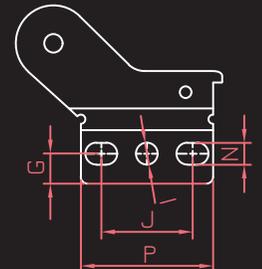
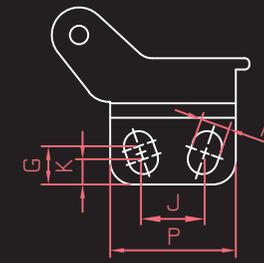
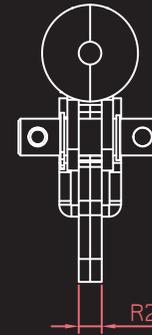
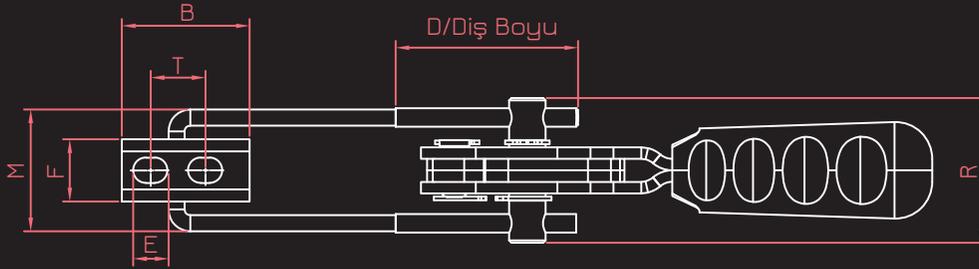
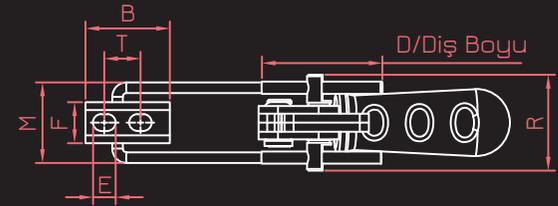
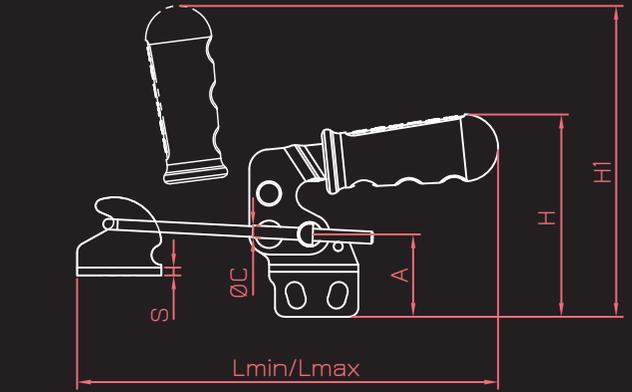
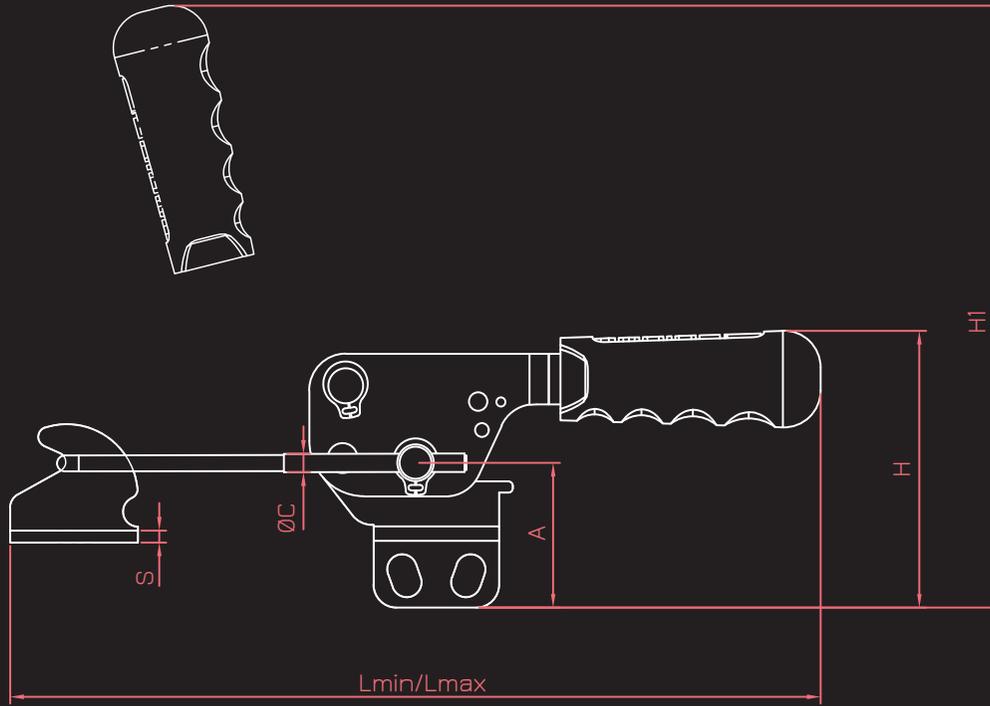
E KUVVET ANALİZİ
FORCE ANALYSIS

MODEL	Kilitli Safety Latch	MAX. TUTMA KAPASİTESİ (kN) (HOLDING CAPACITY)	FB:FU	AĞIRLIK (Kg) (Weight)
13104 D		2	20:1	0.07
13105 D	13105 D-K	2.2	20:1	0.18
13106 D	13106 D-K	3.3	22:1	0.35
13108 D	13108 D-K	8.2	25:1	0.85
13110 D	13110 D-K	12	30:1	1.1
13112 D	13112 D-K	15	35:1	1.2



FB: BASKI KUVVETİ (CLAMPING FORCE), FU: UYGULAMA KUVVETİ (APPLIED FORCE)

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice



Model: 13104 D
13105 D
13106 D

Model: 13108 D
13110 D
13112 D



ÖLÇÜLENDİRME DIMENSIONS

KİLİTLİ / LOCK MODEL

MODEL	MODEL	A	B	C	D	E	F	G	H	HI	I	J	K	Lmin	Lmax	M	N	P	R	R2	S	T
	13104 D	27,5	28	M4	40	5,5x7,5	13,5	5,7	68	103	-	13,5-15	8,59	129	155,5	26,5	6	30	31,5	6	2,5	10-14
13105 D-K	13105 D	31,6	28	M4	40	5,5x7,5	13,5	5,5	60,2	134	-	13-15	8,33	154	180	26,5	6,5	27,5	31,5	5	2,5	10-14
13106 D-K	13106 D	41,5	26	M6	48	18	15	9,5	83,5	197	-	19-25	6,65	209	236	33,2	7,5	40	39	6	3	16
13108 D-K	13108 D	59	36	M8	50	8,5x10	28	13	115	257	Ø9,5	31,5-40,5	-	275	304	47	9,5	58	70	10	4	19,5
13110 D-K	13110 D	59	40	M10	90	8,5x16	36	13	115	257	Ø9,5	35,5-44,5	-	314	367	59	9,5	58	70	10	6	15,5-30,5
13112 D-K	13112 D	59	50	M12	90	8,5x16	36	13	115	257	Ø9,5	35,5-44,5	-	316	364	64,5	9,5	58	75	10	6	8,5-16

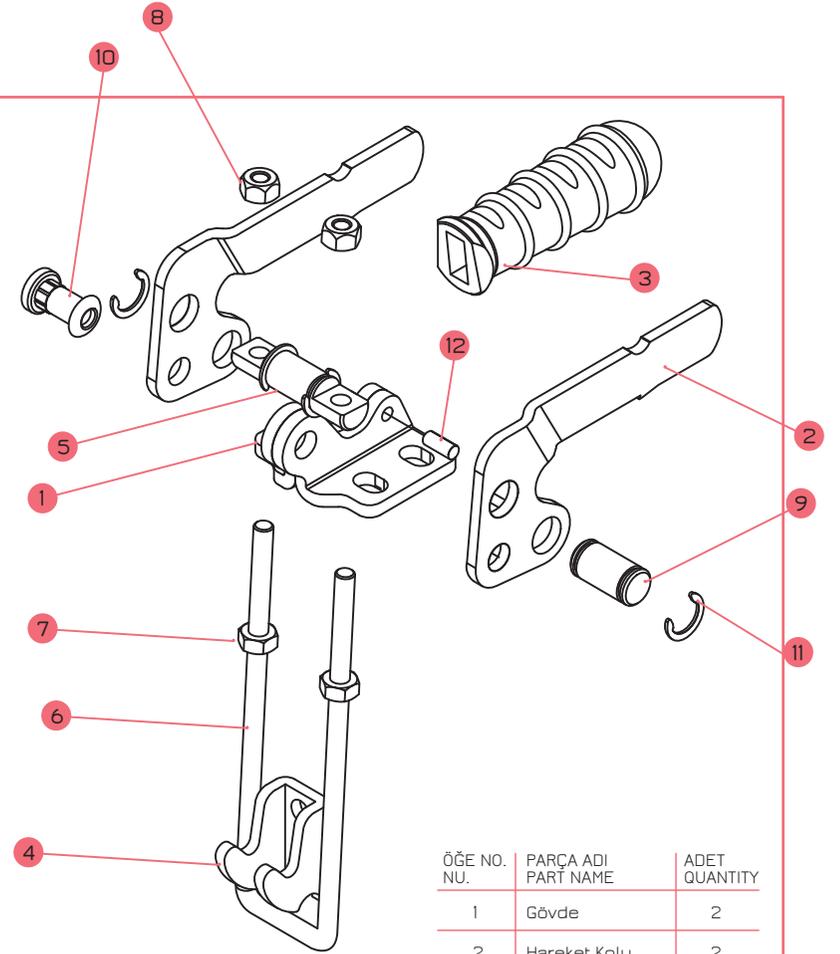


U KANCALI BAĞLANTI ELEMENLARI

Vertical Toggle Clamps
With 'U' Hook

Y SERİ / Y SERIES

Montaj Tipi: Yatay Taban
Body Mounting Base: Horizontal



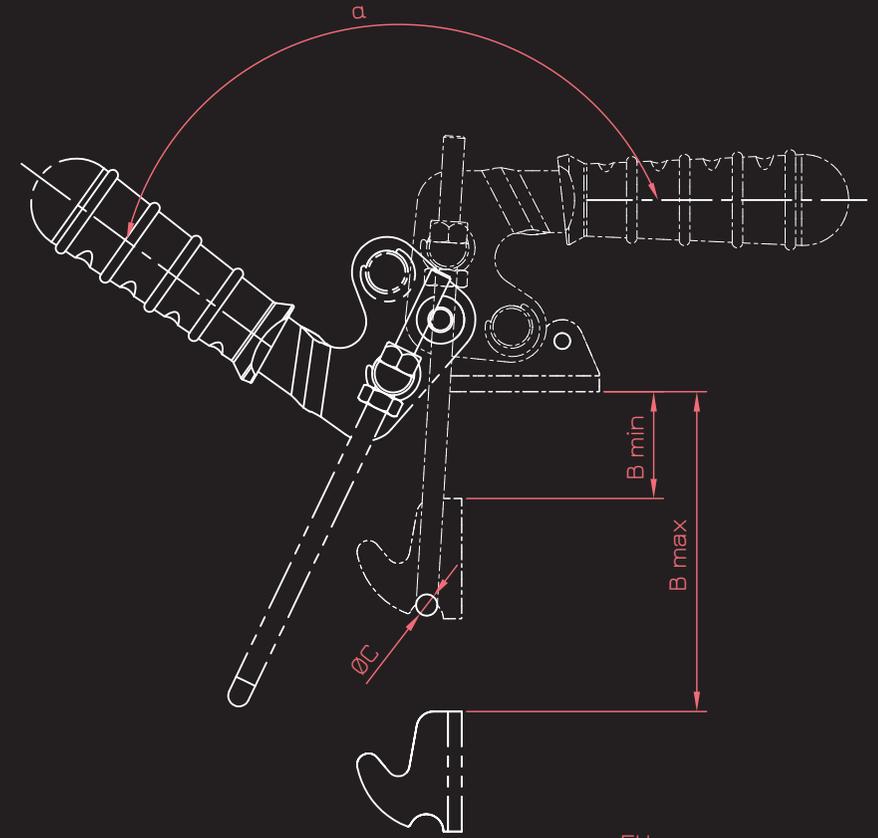
E | PATLATILMIŞ
EXPLODE

ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	Gövde	2
2	Hareket Kolu	2
3	Tutamak	1
4	Kilit Parçası	1
5	Kanca Mili	1
6	U Kanca	1
7	Somun	2
8	Fiberli Somun	2
9	Kilit Mili	1
10	Pim	1
11	Segman	4
12	Yarıklı Pim	1

Görsellerde verilen ürün, model kodu farklılıklarına göre değişiklik gösterilebilir. / The product shown in the images may differ from some others depending on the model code differences.

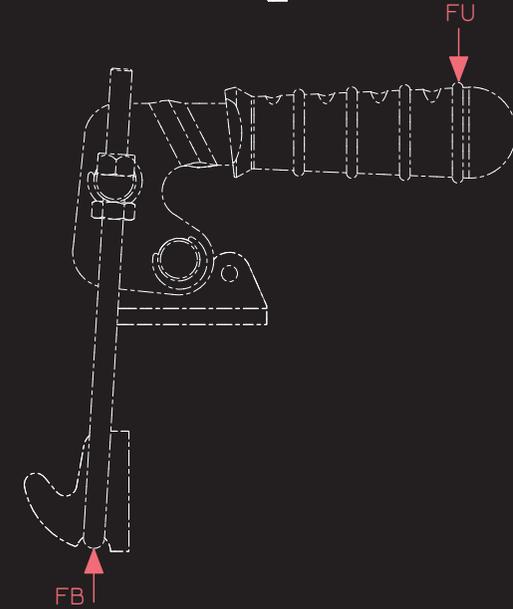
E AÇI ve HAREKET ANALİZİ
ANGLE and MOTION ANALYSIS

MODEL	Kilitli Safety Latch	$\alpha^{\circ} (+ -2^{\circ})$	B min	B max	$\varnothing C$
13204 Y		110°	29	61	03,5
13205 Y	13205 Y-K	110°	21	55	03,5
13206 Y	13206 Y-K	110°	22	48	05,2
13208 Y	13208 Y-K	110°	27	55	07
13210 Y	13210 Y-K	110°	55	100	09
13212 Y	13212 Y-K	110°	53	100	010,5



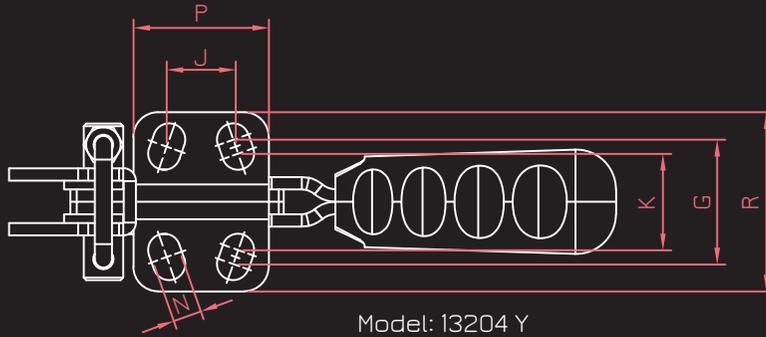
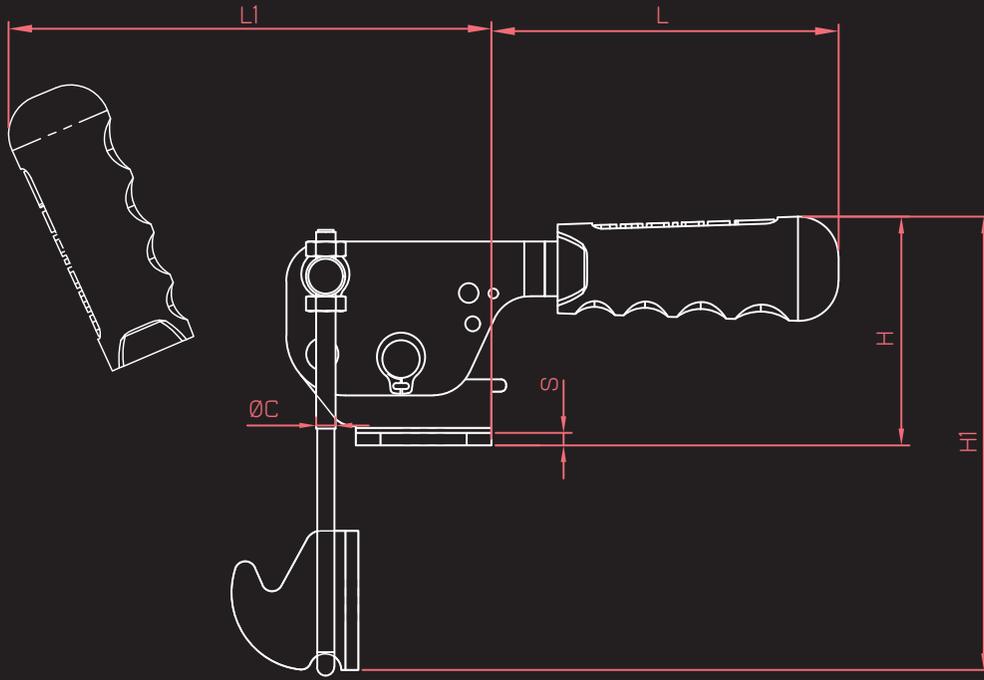
E KUVVET ANALİZİ
FORCE ANALYSIS

MODEL	Kilitli Safety Latch	MAX. TUTMA KAPASİTESİ (kN) (HOLDING CAPACITY)	FB:FU	AĞIRLIK (Kg) (Weight)
13204 Y		1.6	20:1	0.1
13205 Y	13205 Y-K	2.2	20:1	0.18
13206 Y	13206 Y-K	3.3	20:1	0.35
13208 Y	13208 Y-K	8.2	20:1	0.83
13210 Y	13210 Y-K	11.2	20:1	1.3
13212 Y	13212 Y-K	11.5	20:1	1.4

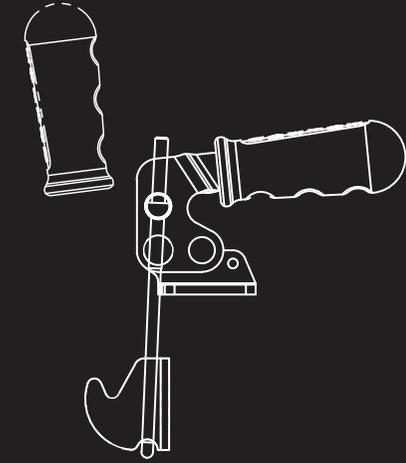
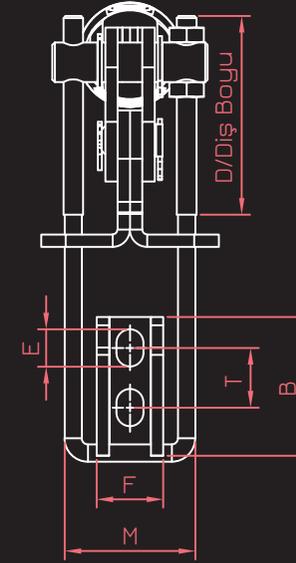


FB: BASKI KUVVETİ (EXERTINGFORCE), FU:UYGULAMA KUVVETİ (APPLIED FORCE)

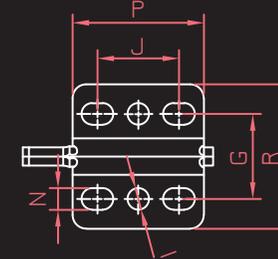
Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice



Model: 13204 Y
13205 Y
13206 Y



Model: 13204 Y



Model: 13204 Y
13205 Y
13206 Y



ÖLÇÜLENDİRME
DIMENSIONS

KİLİTLİ / LOCK

MODEL	MODEL	B	C	D	E	F	G	H	Hlmin	Hlmax	I	J	K	L	L1	M	N	P	R	S	T
	13204 Y	28	M4	40	5,5x7,5	13,5	25,5	49,5	100	106	-	13,5-15	13,5-15	48	106	26,5	6	30	37	2,5	10-14
13205 Y-K	13205 Y	28	M4	40	5,5x7,5	13,5	25	46	47	110	-	13-15	13-15	70,5	57	26,5	6,5	27,5	36	2,5	10-14
13206 Y-K	13206 Y	26	M6	48	18	15	31	66	95	116,5	-	19-25	19-25	107	196	33,2	7,5	40	44,5	3	16
13208 Y-K	13208 Y	36	M8	50	8,5x10	28	37,5	74,5	92	120	Ø9,5	31,5-40,5	31,5-40,5	105	234	47	9,5	58	63	4	19,5
13210 Y-K	13210 Y	40	M10	90	8,5x16	36	38,5	95	160	192	Ø9,5	35,5-44,5	35,5-44,5	131	248	59	9,5	58	64,5	6	15,5-30,5
13212 Y-K	13212 Y	50	M12	90	8,5x16	36	38,5	95	147,5	193	Ø9,5	35,5-44,5	35,5-44,5	132	235	64,5	9,5	58	64,5	6	8,5-16

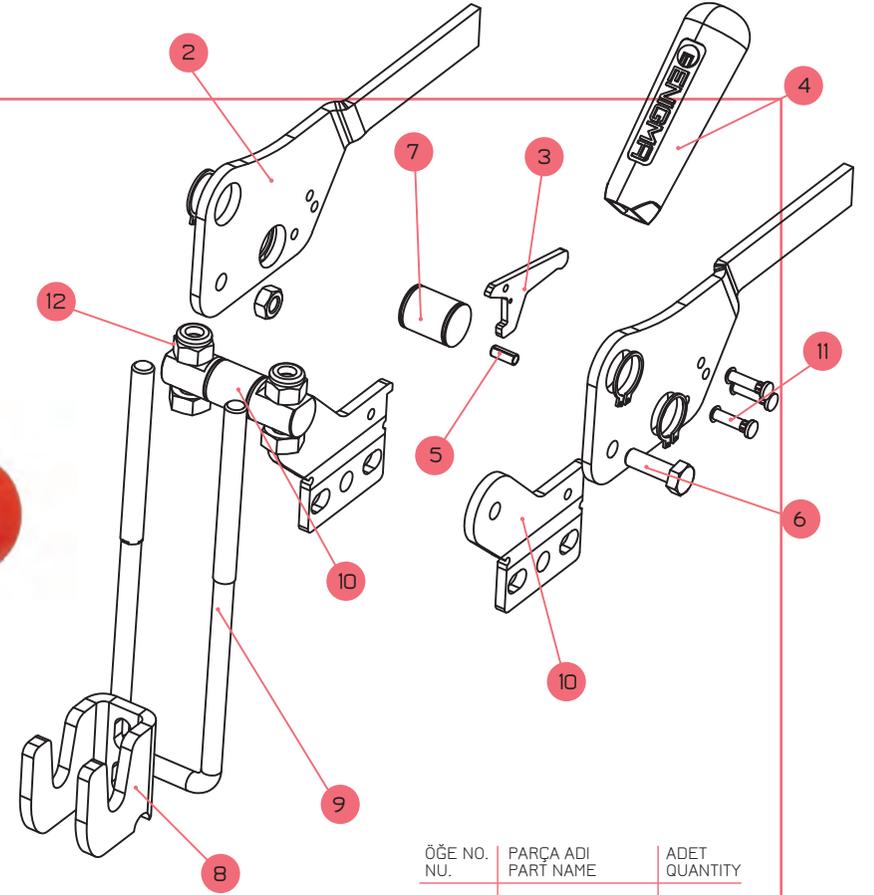


U KANCALI BAĞLANTI ELEMENLARI

Vertical Toggle Clamps
With 'U' Hook

D SERİ / D SERIES

Montaj Tipi: Dikey Taban
Body Mounting Base: Vertical



E PATLATILMIŞ
EXPLODE

ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	D Gövde	2
2	Hareket Kolu	2
3	Kilit	1
4	Tutamak	1
5	Yarıklı Pim	1
6	Civata	1
7	Kanca Mili	1
8	Karşılık Kancası	1
9	U Kanca	1
10	Kanca Mili	1
11	Pim	3
12	Somun	4

Görsellerde verilen ürün, model kodu farklılıklarına göre değişiklik gösterebilir. / The product shown in the images may differ from some others depending on the model code differences.



AÇI ve HAREKET ANALİZİ ANGLE and MOTION ANALYSIS

MODEL	Kilitli Safety Latch	$\alpha^{\circ}(+2^{\circ})$	B min	B max	$\emptyset C$
13204 D		110°	13	43	3,5
13205 D	13205 D-K	110°	8	34	3,5
13206 D	13206 D-K	110°	1	30	5,2
13208 D	13208 D-K	110°	2	30	7
13210 D	13210 D-K	110°	33	76	9
13212 D	13212 D-K	110°	37	77	10,5

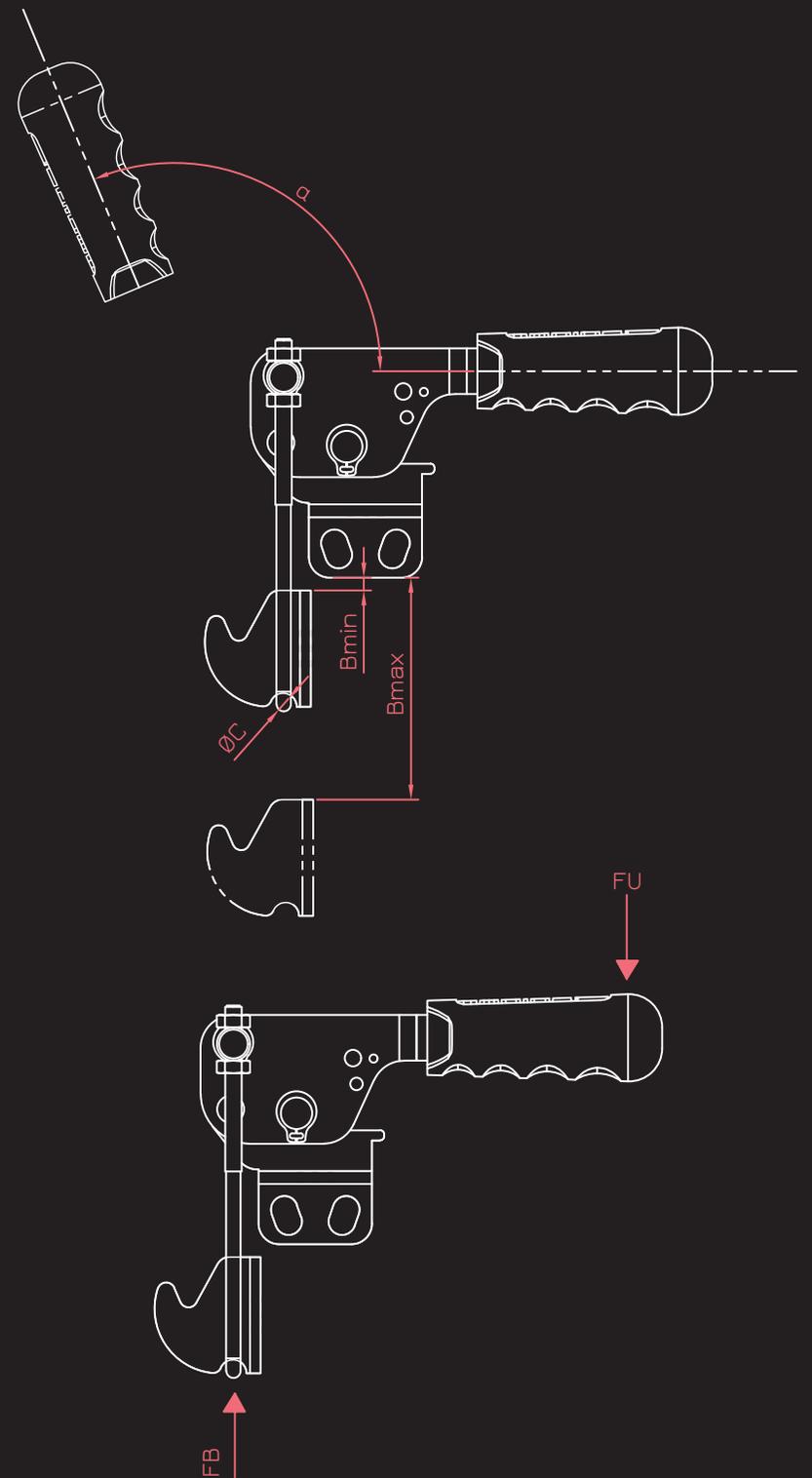


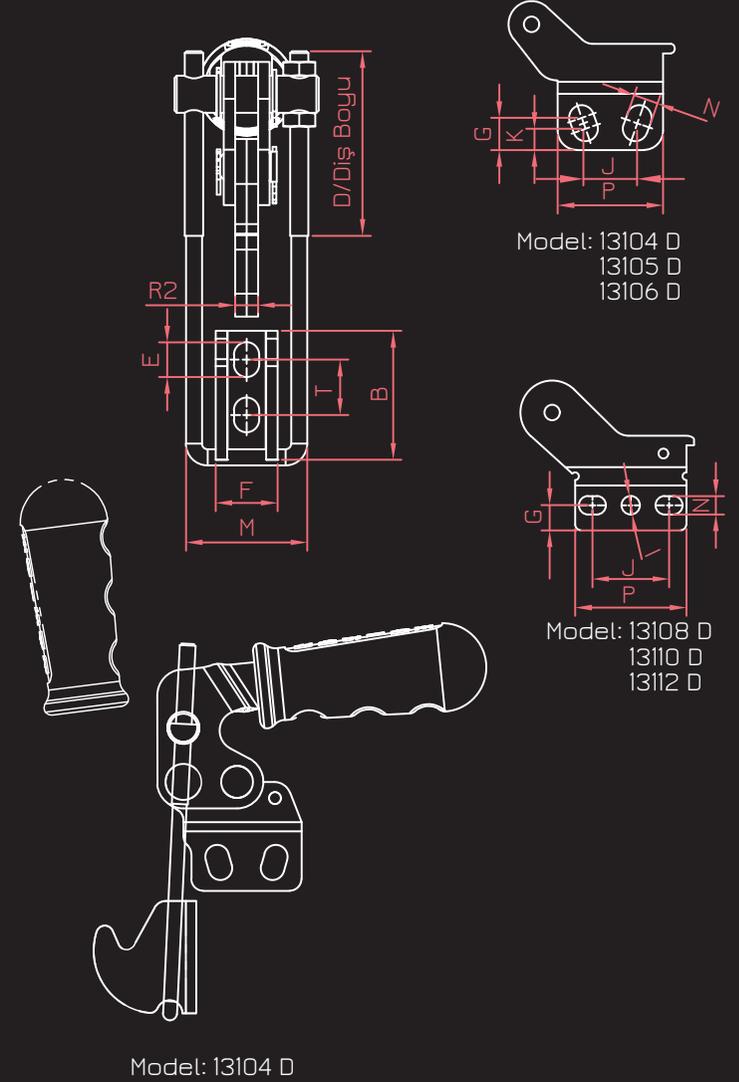
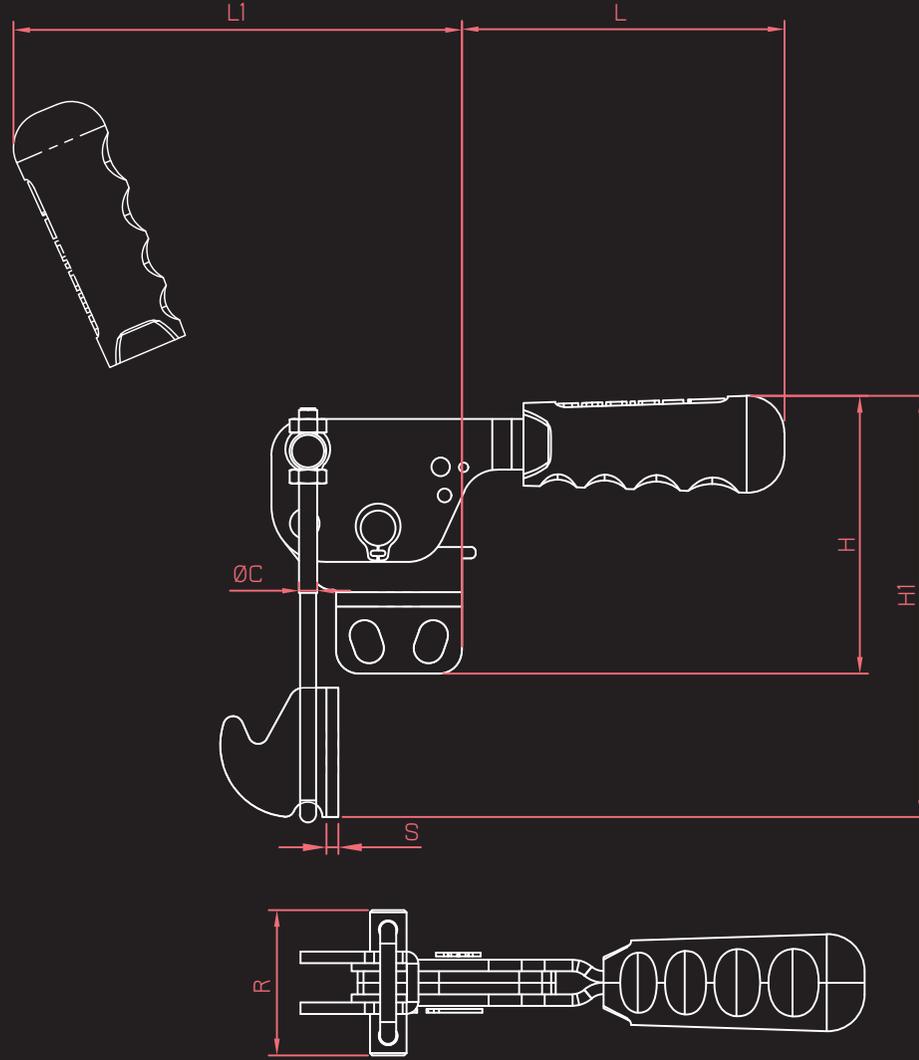
KUVVET ANALİZİ FORCE ANALYSIS

MODEL	Kilitli Safety Latch	MAX. TUTMA KAPASİTESİ (kN) (HOLDING CAPACITY)	FB:FU	AĞIRLIK (Kg) (Weight)
13204 D		1.6	20:1	0.1
13205 D	13205 D-K	2.2	20:1	0.18
13206 D	13206 D-K	3.3	20:1	0.35
13208 D	13208 D-K	8.2	20:1	0.83
13210 D	13210 D-K	11.2	20:1	1.3
13212 D	13212 D-K	11.5	20:1	1.4

FB: BASKI KUVVETİ (EXERTINGFORCE), FU:UYGULAMA KUVVETİ (APPLIED FORCE)

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice





Model: 13104 D
13105 D
13106 D

Model: 13108 D
13110 D
13112 D

Model: 13104 D

E | ÖLÇÜLENDİRME
DIMENSIONS

KİLİTLİ / LOCK

MODEL	MODEL	B	C	D	E	F	G	H	Hlmin	Hlmax	I	J	K	L	L1	M	N	P	R	R2	S	T
	13204 D	28	M4	40	5,5x7,5	13,5	5,7	68	100	106	-	13,5-15	8,59	48	106	26,5	6	30	31,5	6	2,5	10-14
13205 D-K	13205 D	28	M4	40	5,5x7,5	13,5	5,5	60,2	47	110	-	13-15	8,33	70,5	57	26,5	6,5	27,5	31,5	5	2,5	10-14
13206 D-K	13206 D	26	M6	48	18	15	9,5	83,5	95	116,6	-	19-25	6,65	107	196	33,2	7,5	40	39	6	3	16
13208 D-K	13208 D	36	M8	50	8,5x10	28	13	115	92	120	Ø9,5	31,5-40,5	-	105	234	47	9,5	58	70	10	4	19,5
13210 D-K	13210 D	40	M10	90	8,5x16	36	13	115	160	192	Ø9,5	35,5-44,5	-	131	248	59	9,5	58	70	10	6	15,5-30,5
13212 D-K	13212 D	50	M12	90	8,5x16	36	13	115	147,5	193	Ø9,5	35,5-44,5	-	132	235	64,5	9,5	58	75	10	6	8,5-16



AĞIR SERİ KANCALI BAĞLANTI ELEMENLARI

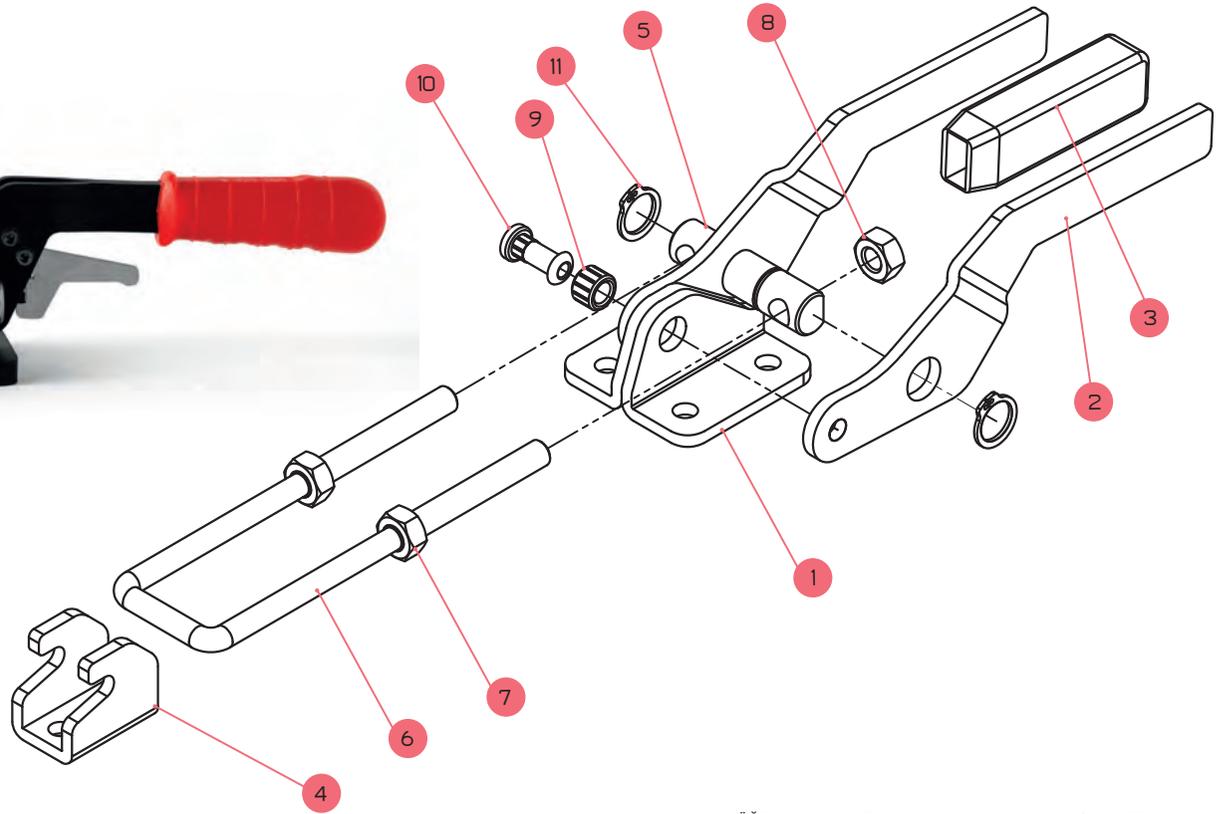
Heavy Series Horizontal
Toggle Clamps With 'U' Hook

Y SERİ / Y SERIES

Montaj Tipi: Yatay Taban
Body Mounting Base: Horizontal



ENIGMA
clamp



 PATLATILMIŞ
EXPLODE

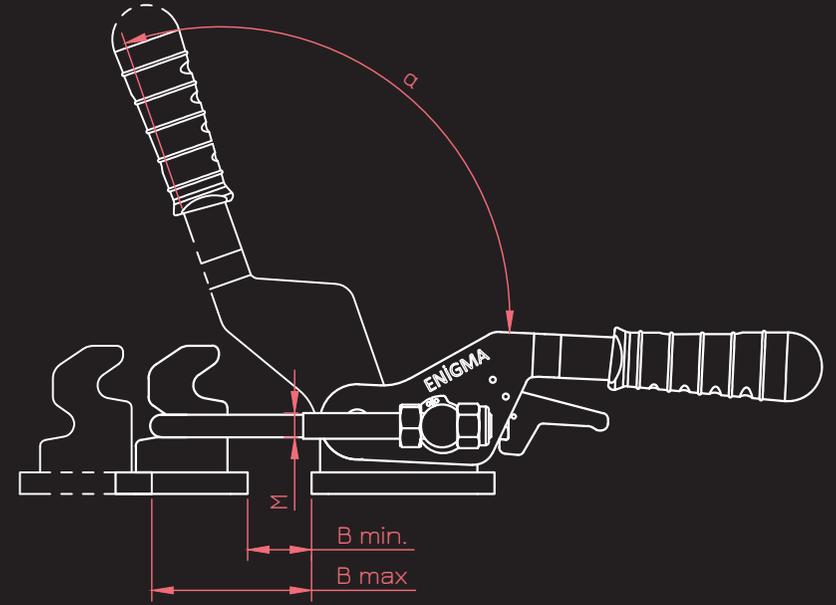
ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	Gövde	2
2	Hareket Kolu	2
3	Tutamak	1
4	Kilit Parçası	1
5	Kanca Mili	1
6	U Kanca	1
7	Somun	2
8	Fiberli Somun	2
9	Burç	1
10	Pim	1
11	Segman	2

Görsellerde verilen ürün, model kodu farklılıklarına göre değişiklik gösterir. / The product shown in the images may differ from some others depending on the model code differences.



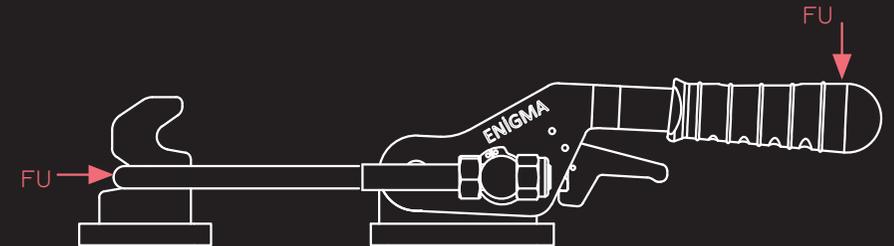
AÇI ve HAREKET ANALİZİ ANGLE and MOTION ANALYSIS

MODEL	KİLİTLİ	$\alpha^\circ (\pm 3^\circ)$	B min	B max	M
13508 Y		115°	46	22	M8
13510 Y	13510 Y-K	115°	75	30	M10
13512 Y	13512 Y-K	115°	75	30	M12



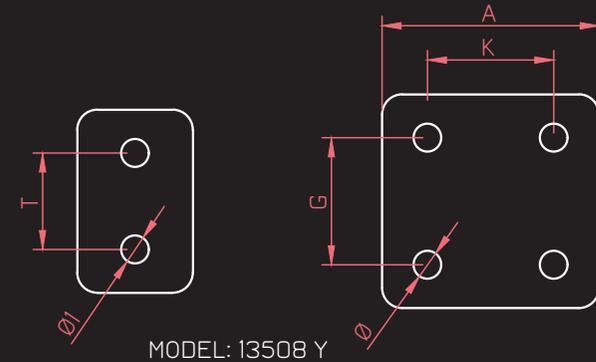
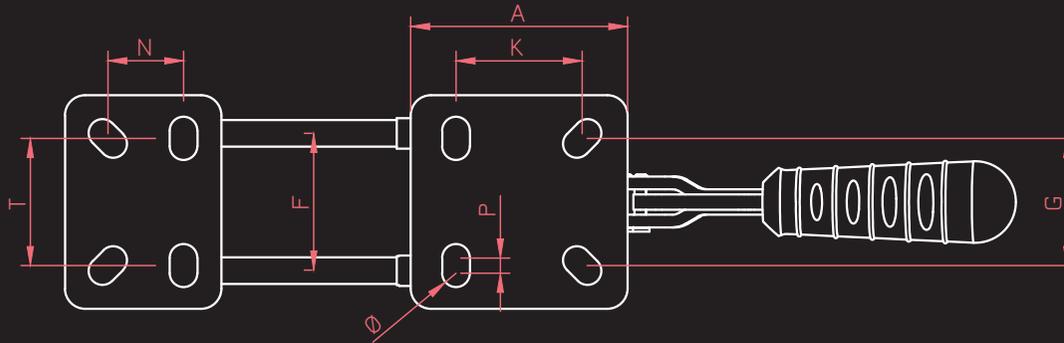
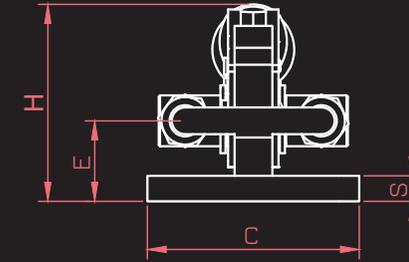
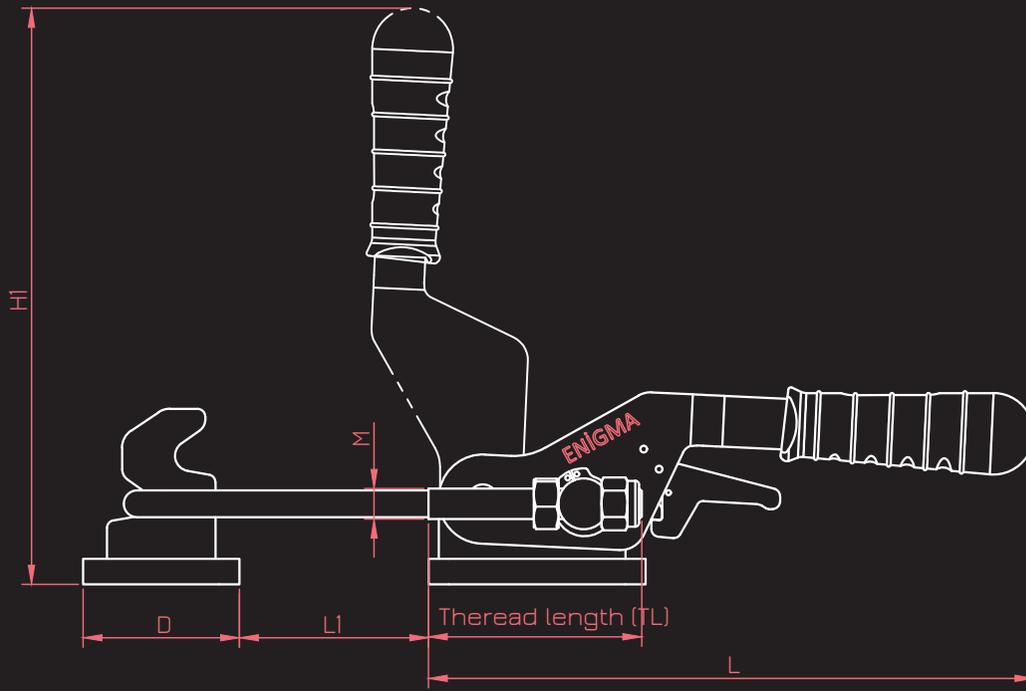
KUVVET ANALİZİ FORCE ANALYSIS

MODEL	KİLİTLİ	Max. Tutma Kapasitesi Holding Capacity (kN)	FB:FU	AĞIRLIK (Kg) (Weight)
13508 Y		12.2	25:1	1.1
13510 Y	13510 Y-K	17.2	30:1	1.9
13512 Y	13512 Y-K	25.2	30:1	2.3



FB: BASKI KUVVETİ (CLAMPING FORCE), FU: UYGULAMA KUVVETİ (APPLIED FORCE)

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice



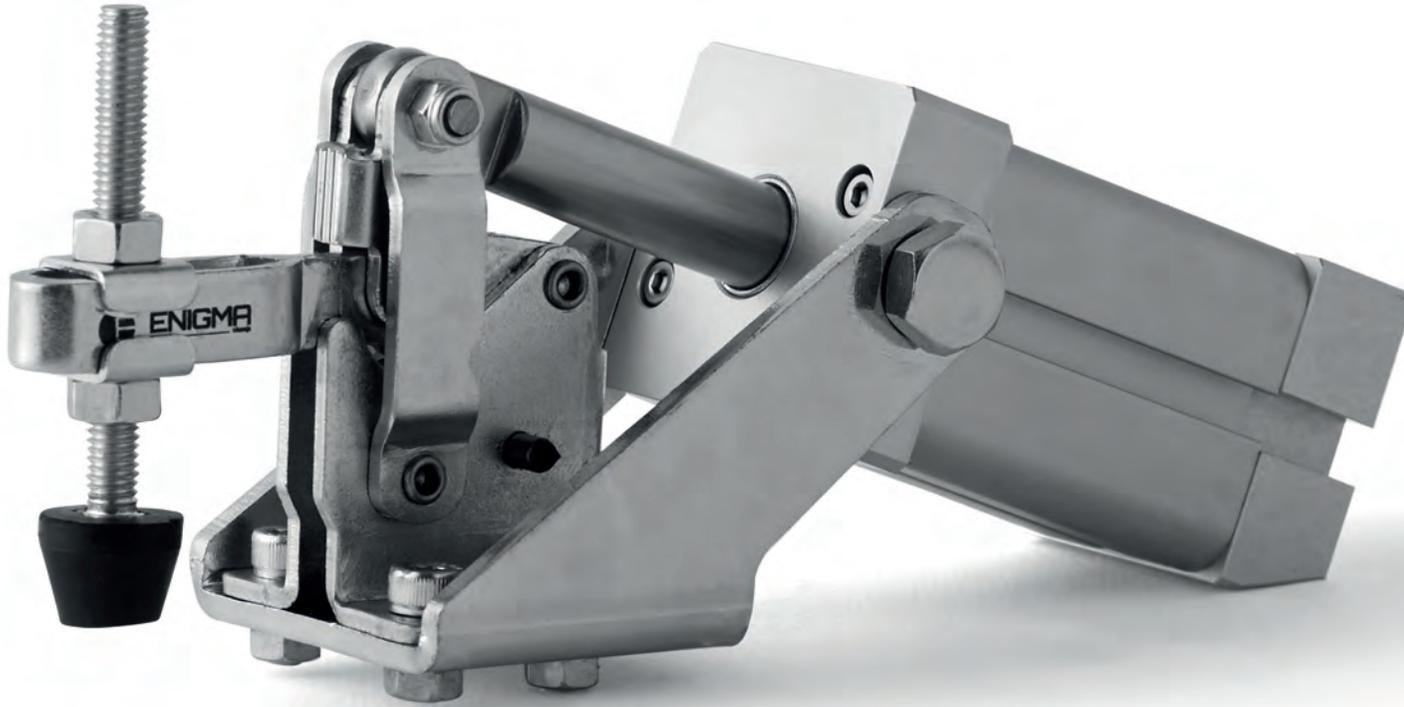
MODEL: 13510 Y-K / 13510 Y
13512 Y-K / 13512 Y

MODEL: 13508 Y

E ÖLÇÜLENDİRME
DIMENSIONS

KİLİTLİ / LOCK
MODEL

MODEL	A	C	D	E	F	G	H	H1	TL	K	L	L1	M	N	P	S	Ø	Ø1	T
13508 Y	80	59	32	23,5	40	39	71	210	50	60	190	22-46	M8	-	-	8	9	7	27
13510 Y-K 13510 Y	86	84	62	33,5	50	50	78	252	90	50	240	30-75	M10	30	6	10	11	11	50
13512 Y-K 13512 Y	86	84	62	33,5	54	50	78	252	90	50	240	30-75	M12	30	6	10	11	11	50



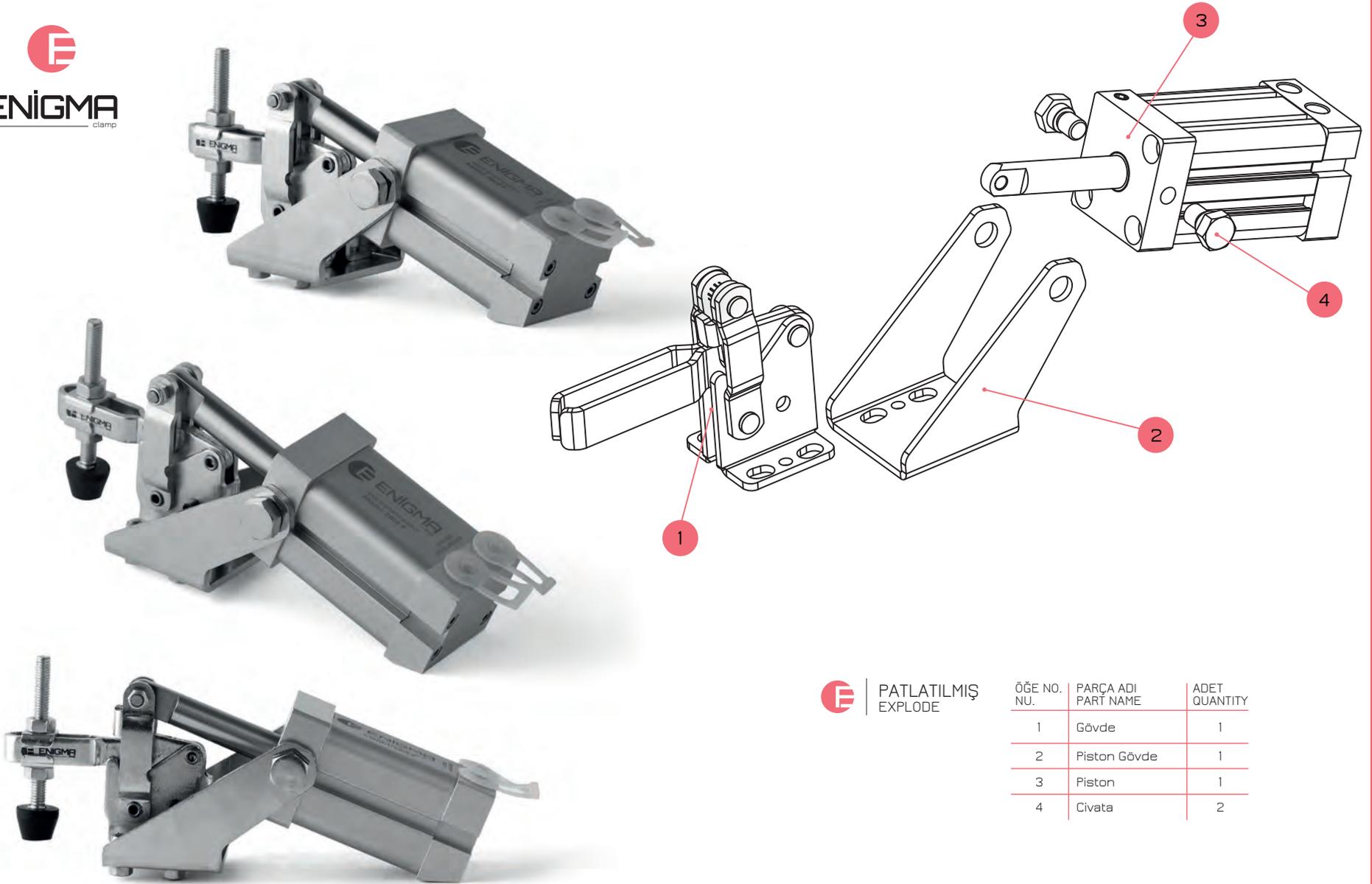
PNÖMATİK BAĞLANTI ELEMENLARI

Pneumatic Toggle Clamps

Y SERİ / Y SERIES

Montaj Tipi: Yatay Taban

Body Mounting Base: Horizontal



E | PATLATILMIŞ
EXPLODE

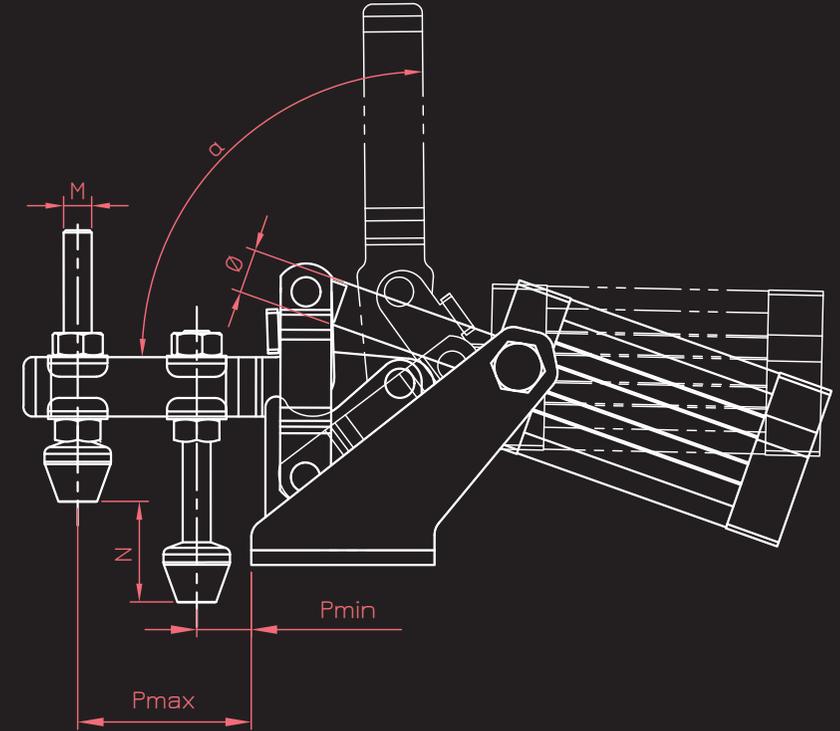
ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	Gövde	1
2	Piston Gövde	1
3	Piston	1
4	Civata	2



AÇI ve HAREKET ANALİZİ ANGLE and MOTION ANALYSIS

MODEL	X	X2	FT1(N)	FT2(N)	FBI(N)	FB2(N)
2102 Y	42,5	78,5	1500	950	1250	800
2103 Y	12	50	2600	1600	2050	1500
2105 Y	66,3	133,3	3400	2300	3050	2100

Ac: 6Bar basınçta çift hareket için hava tüketim miktarıdır.
(Ac: Air Consumption per double stroke in dm³ at 6 Bar)³

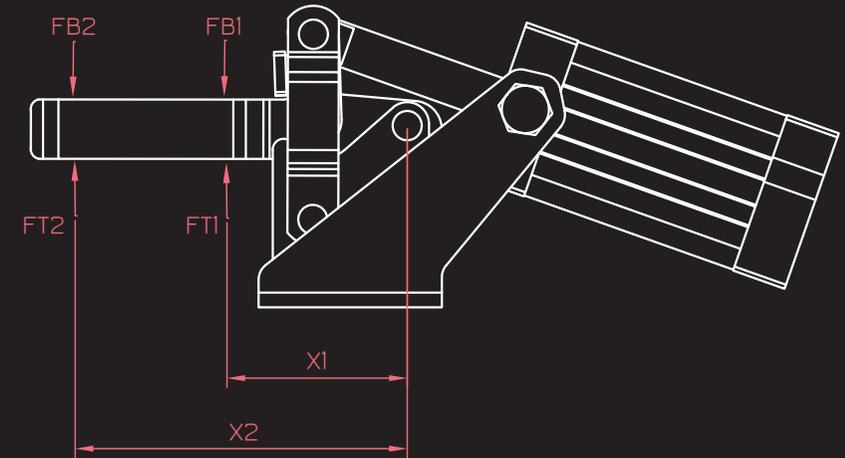


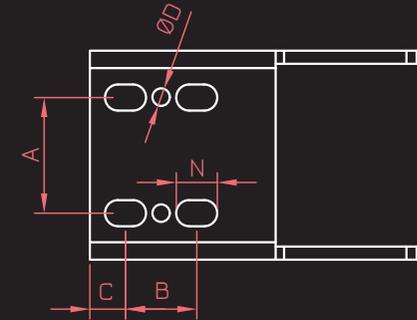
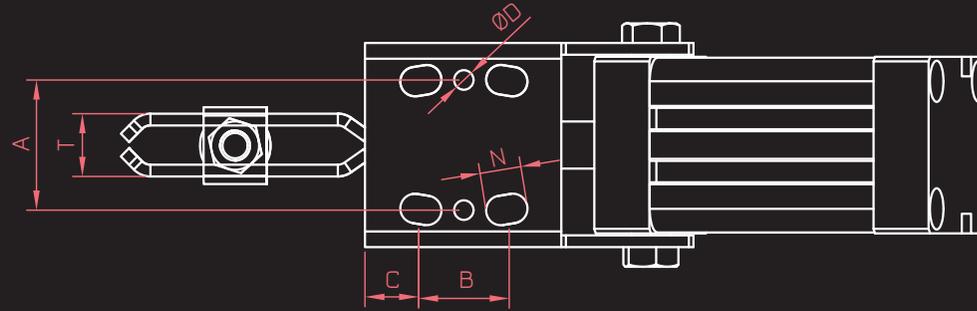
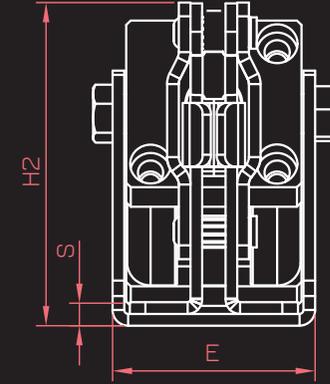
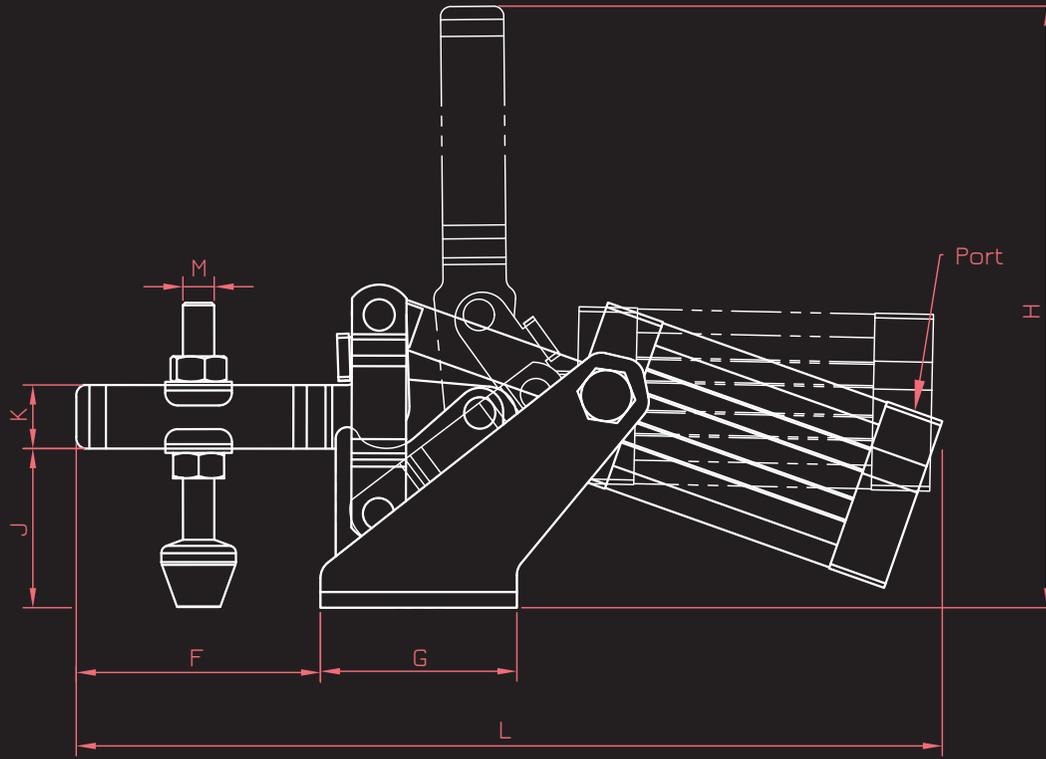
KUVVET ANALİZİ FORCE ANALYSIS

MODEL	$\alpha (\pm 2^\circ)$	N	Pmin	Pmax	Bar	Ac(dm ³)	Ø (Piston Çapı)	AĞIRLIK [Kg] (Weight)
2102 Y	102°	27,5	13,5	48,5	6	0,25	12	0,52
2103 Y	107°	26	12,5	45	6	0,51	12	0,87
2105 Y	135°	34	19	86	6	1,04	16	1,7

FT1-FT2: TUTMA KAPASİTESİ (HOLDING CAPACITY), FBI-FB2: BASKI KUVVETİ (CLAMPING FORCE),
FU: UYGULAMA KUVVETİ (APPLIED FORCE)

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice





Model: 2103 Y
2105 Y

Model: 2102 Y

E ÖLÇÜLENDİRME
DIMENSIONS

MODEL	A	B	C	ØD	E	F	G	H	H2	J	K	L	M	N	Port	S	T
2102 Y	27	13-20	6	4	48	59,5	43	108,5	67,1	33,6	13	180	M6	6x9,5	G1/8	5,5	12
2103 Y	33,2	19-25	14,4	5	52	62,7	50,5	153,5	82,5	40,8	16,2	222	M8	7,5x10,5	G1/8	6	16
2105 Y	45,2	28-34,7	12,3	5	79,3	100,4	63,1	207,3	106,1	52,1	20	308,5	M10	10x15,5	G1/8	7	18

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir / Dimensions and technical information are subject to change without notice



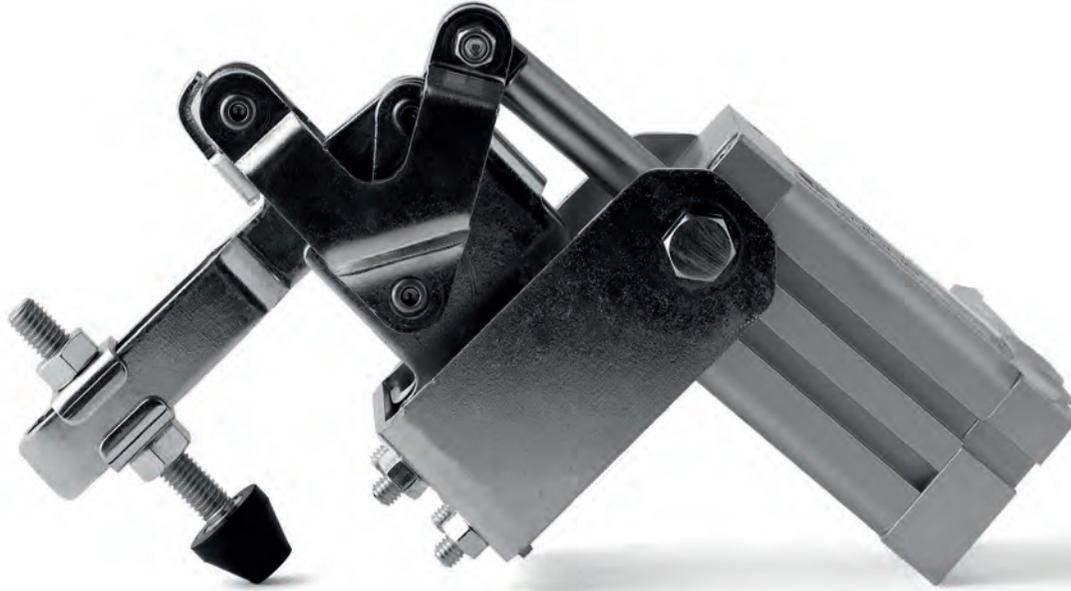
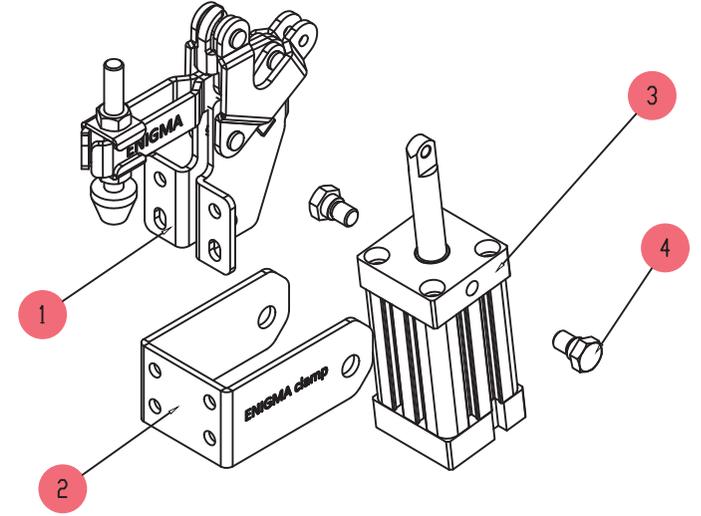
PNÖMATİK BAĞLANTI ELEMENLARI

Pneumatic Toggle Clamps

A SERİ / A SERIES

Montaj Tipi: Alın Taban

Body Mounting Base: Side Ward



E PATLATILMIŞ
EXPLODE

ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	Gövde	1
2	Piston Gövde	1
3	Piston	1
4	Civata	2

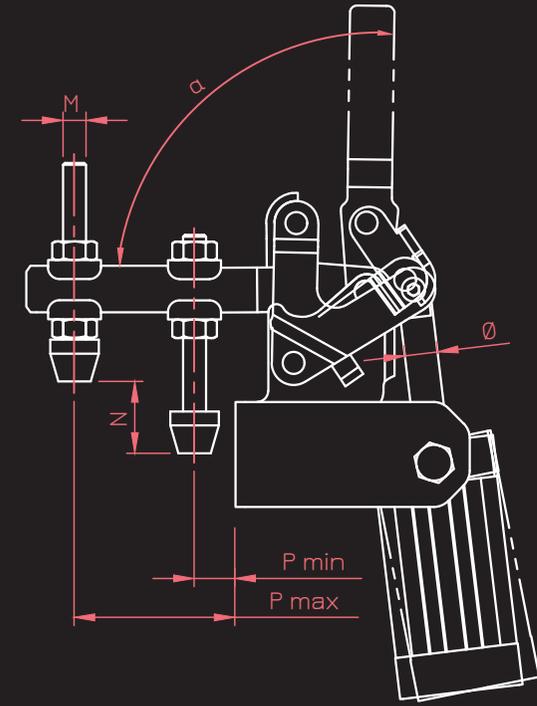
Görsellerde verilen ürün, model kodu farklılıklarına göre değişiklik gösterilebilir. / The product shown in the images may differ from some others depending on the model code differences.



AÇI ve HAREKET ANALİZİ ANGLE and MOTION ANALYSIS

MODEL	α ($\pm 2^\circ$)	N	Pmin	Pmax	Bar	Ac(dm ³)	\emptyset (Piston Çapı)	AĞIRLIK (Kg) (Weight)
2102 A	102°	27,5	10	42	6	0,25	12	0,58
2103 A	107°	26	15	47	6	0,51	12	0,85
2105 A	135°	34	21,3	77,5	6	1,04	16	3,50

Ac: 6Bar basınçta çift hareket için hava tüketim miktarıdır.
(Ac: Air Consumption per double stroke in dm³ at 6 Bar)³

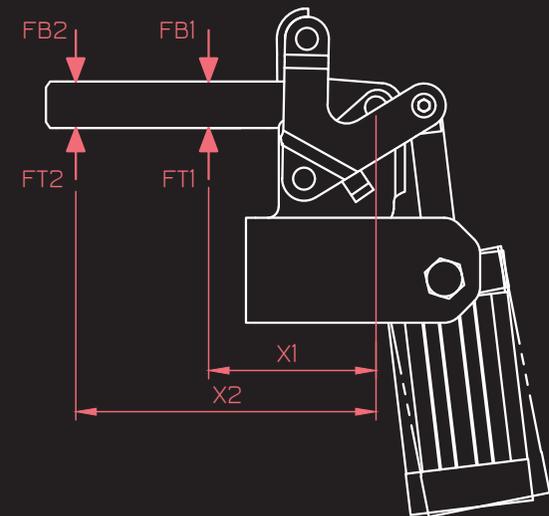


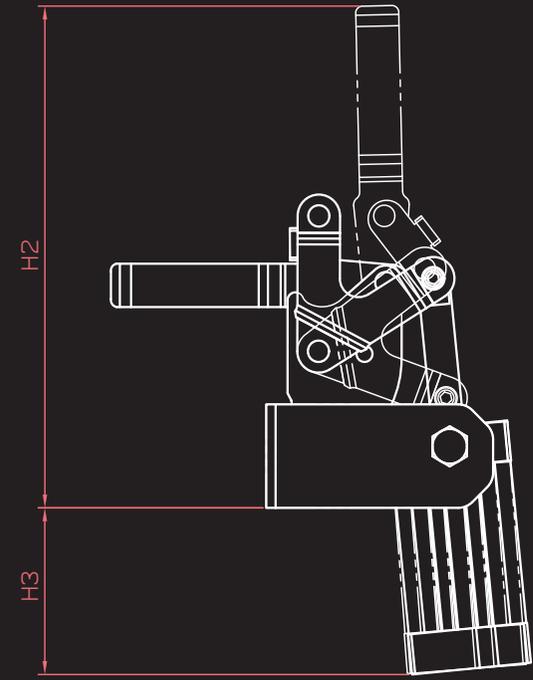
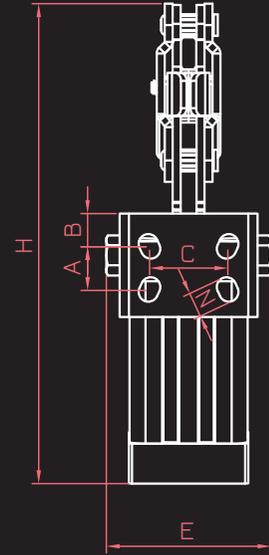
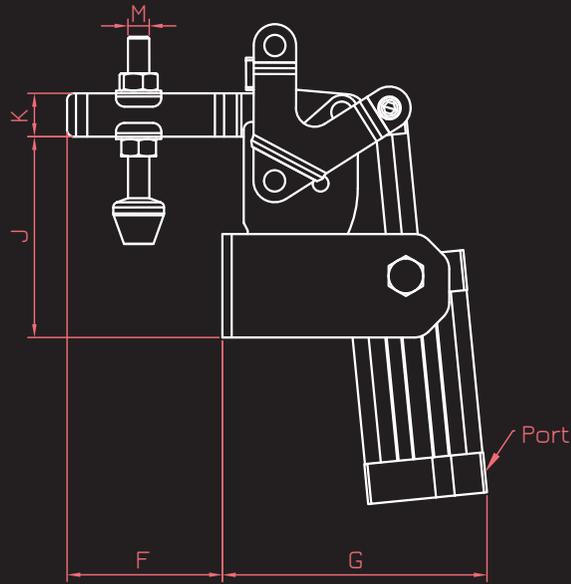
KUVVET ANALİZİ FORCE ANALYSIS

MODEL	X	X2	FT1(N)	FT2(N)	FB1(N)	FB2(N)
2102 A	59	91,2	1500	950	1250	800
2103 A	60	90	2600	1600	2050	1500
2105 A	77,2	133,4	3400	2300	3050	2100

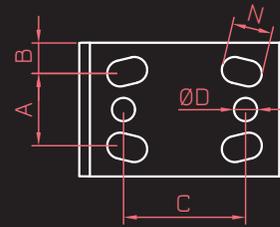
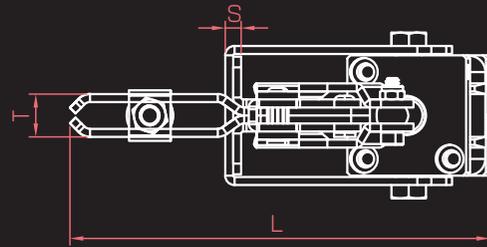
FT1-FT2: TUTMA KAPASİTESİ (HOLDING CAPACITY), FB1-FB2: BASKI KUVVETİ (CLAMPING FORCE)

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice

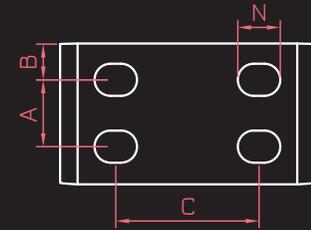




Model: 2103 A



Model: 2105 A



Model: 2102 A



ÖLÇÜLENDİRME
DIMENSIONS

MODEL	A	B	C	ØD	E	F	G	H	H2	H3	J	K	L	M	N	Port	S	T
2102 A	12,5	6,8	27	-	58	57	70	157	161	60	61,6	13	124	M6	6x8	G1/8	5,5	12
2103 A	16,1	12,3	29,5	-	62	58,5	100	117	188	62,3	75,1	16,2	158,3	M8	7,3x9,3	G1/8	6	16
2105 A	27	11,5	46	8,7	89,3	91,7	137	152	256,6	85,2	99	20	228,8	M10	9,7x15,2	G1/8	7	18

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir / Dimensions and technical information are subject to change without notice



PNÖMATİK BAĞLANTI ELEMENLARI

Pneumatic Toggle Clamps

KARE GÖVDE

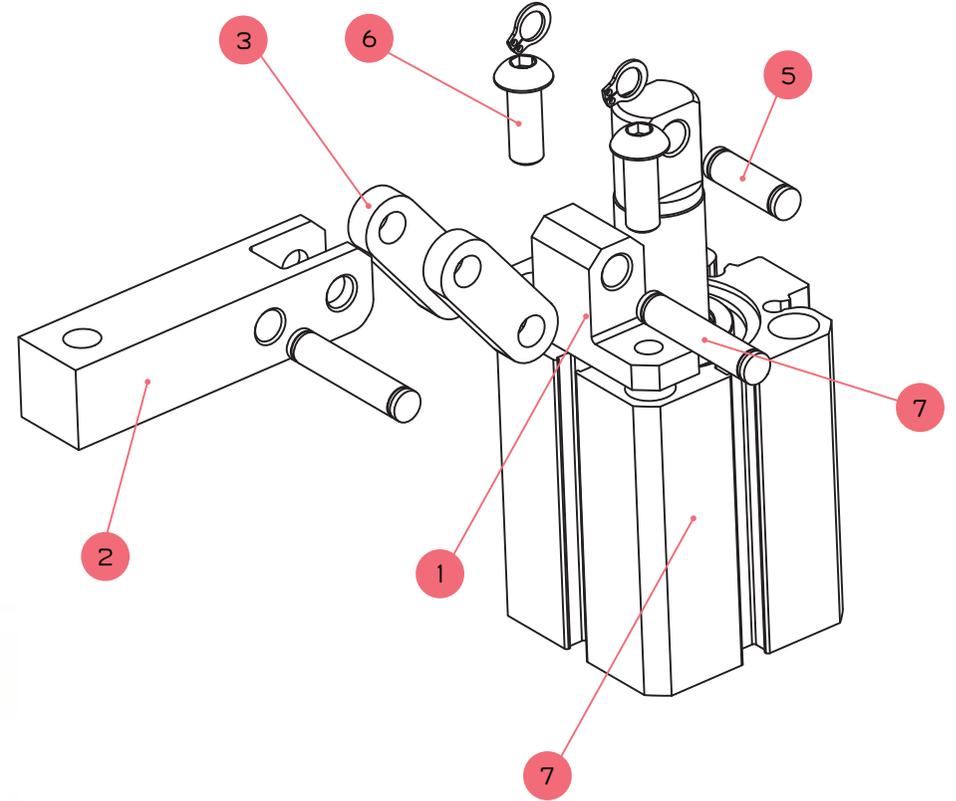
/ Square Body

Montaj Tipi: Dikey

Body Mounting Base: Vertical



ENIGMA
clamp



PATLATILMIŞ
EXPLODE

ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	Gövde	1
2	Baskı Kolu	1
3	Mafsal	2
4	Mil	2
5	Piston Mili	1
6	Civata	2
7	Piston	1

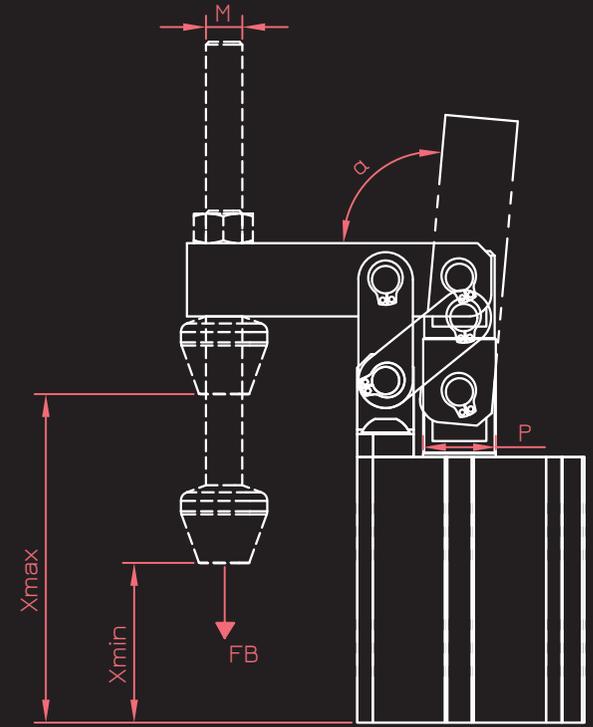
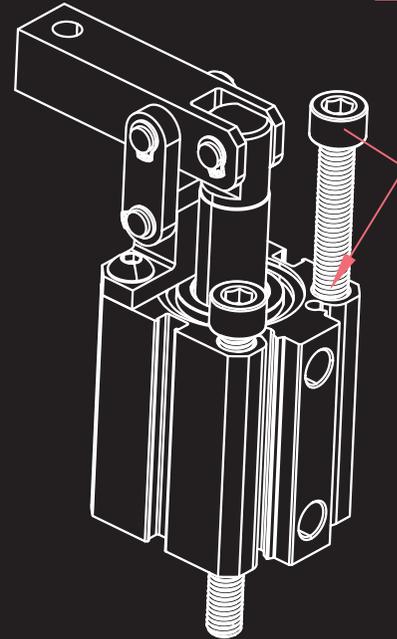
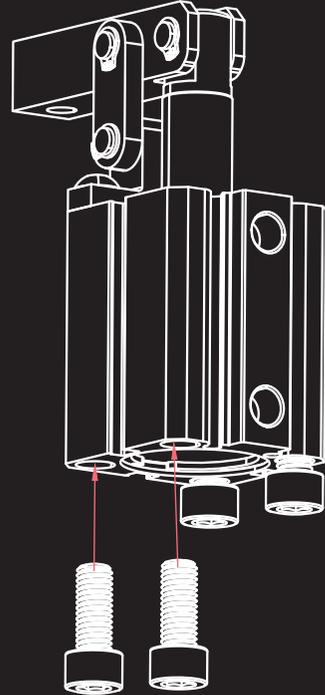
Görsellerde verilen ürün, model kodu farklılıklarına göre değişiklik gösterilebilir. / The product shown in the images may differ from some others depending on the model code differences.



AÇI ve HAREKET ANALİZİ
ANGLE and MOTION ANALYSIS

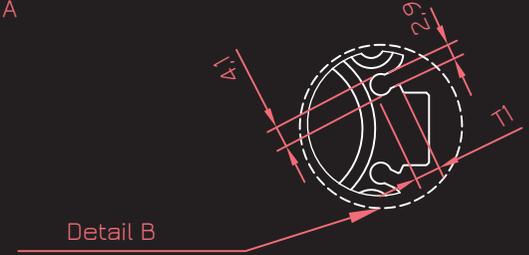
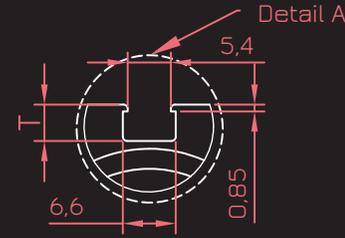
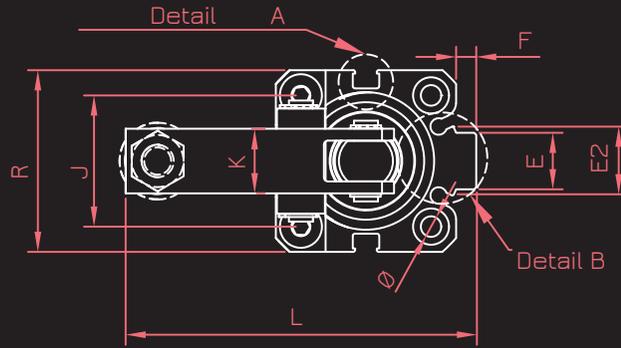
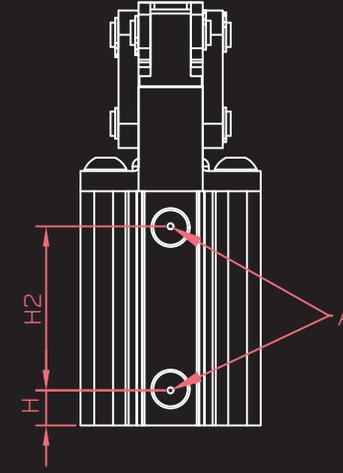
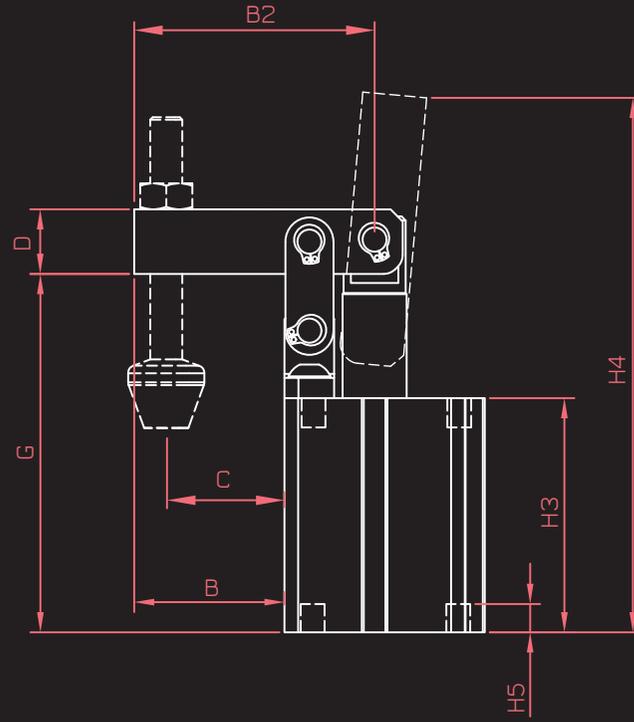
MODEL	$\alpha \pm 2^\circ$	M	P	X min	X max	FB(N)	Bar	Ac (dm ³)	AĞIRLIK (Kg) (Weight)
510-32	95	8	M10	34,8	71,68	350	6	0,19	0,53

Ac: 6Bar basınçta çift hareket için hava tüketim miktarıdır.
(Ac: Air Consumption per double stroke in dm³ at 6 Bar)³



FB: BASKI KUVVETİ (CLAMPING FORCE)

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice



ÖLÇÜLENDİRME
DIMENSIONS

MODEL	A	B	B2	C	D	E	E2	F	G	H	H2	H3	H4	H5	J	K	L	R	T	T1	Ø
510-32	G1/8	37,5	60	29,3	16	13	17	5	89	8,7	40,6	58	132	6	32,5	16	87,5	45	4,5	5,35	5,1

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir / Dimensions and technical information are subject to change without notice

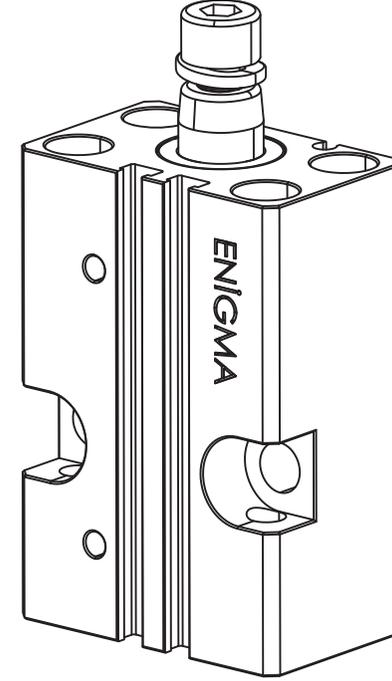


DÖNER TİP PNÖMATİK BAĞLANTI ELEMANLARI

Pneumatic Swing Clamps

BLOK GÖVDE
/ Block Body

Montaj Tipi: Dikey/Yatay
Body Mounting Base: Vertical



PATLATILMIŞ
EXPLODE

ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	Pnömatik	1

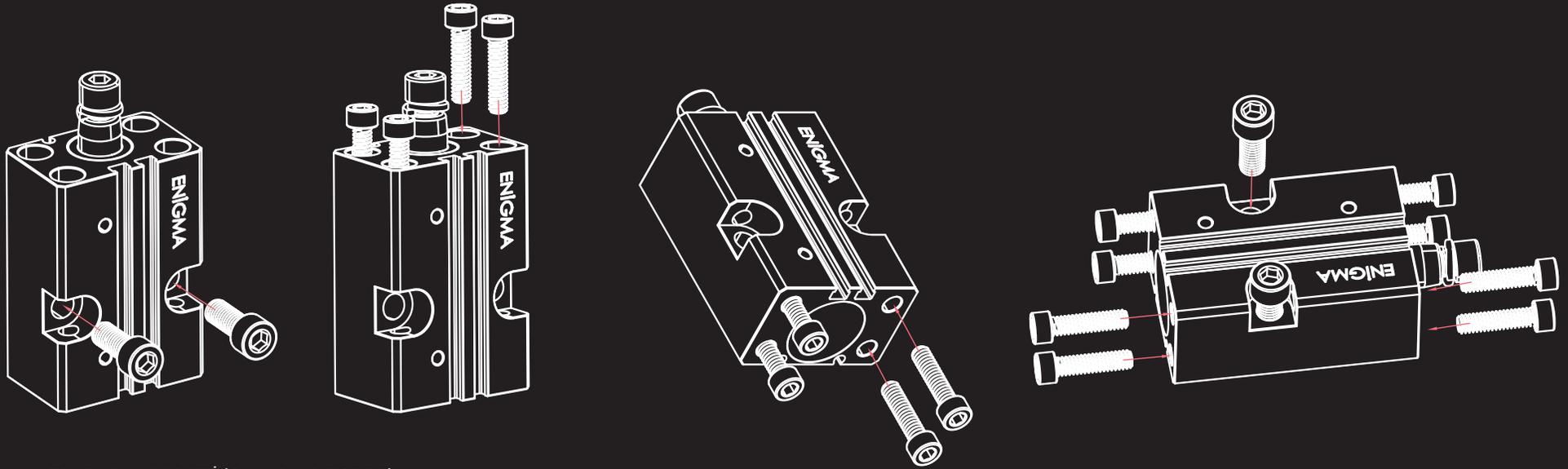
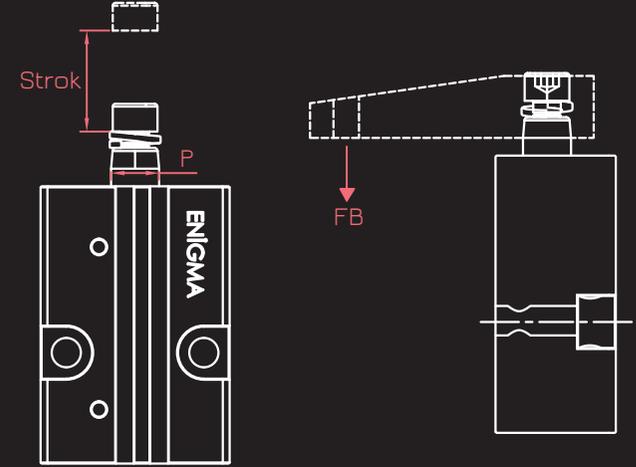
Görsellerde verilen ürün, model kodu farklılıklarına göre değişiklik gösterilebilir. / The product shown in the images may differ from some others depending on the model code differences.



AÇI ve HAREKET ANALİZİ ANGLE and MOTION ANALYSIS

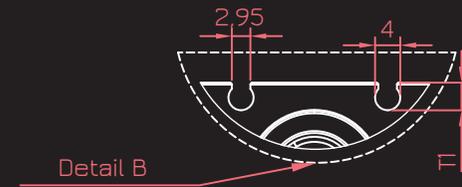
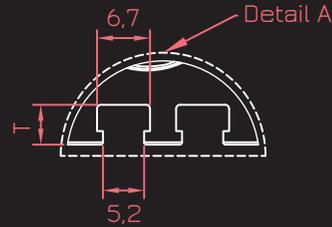
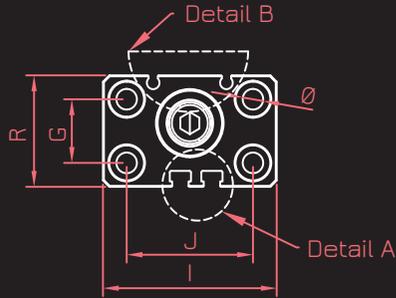
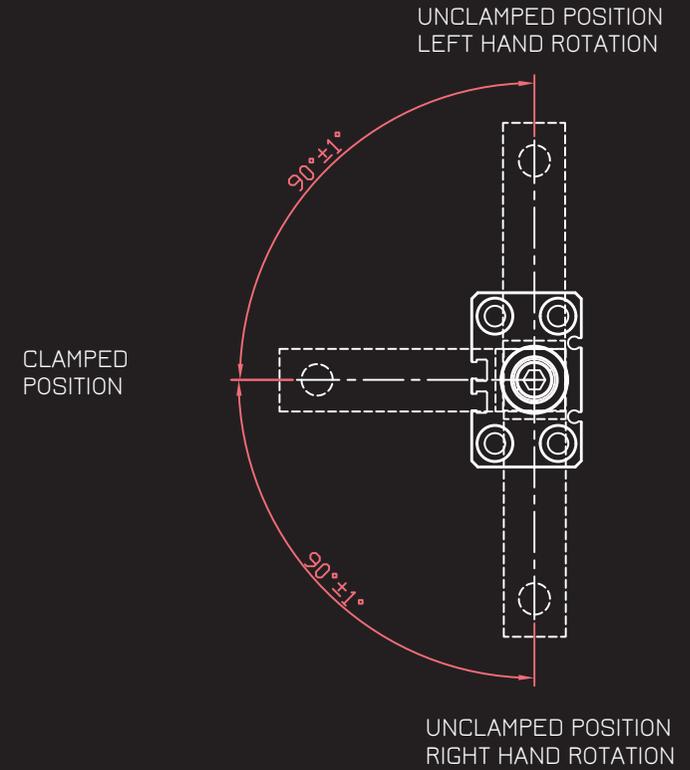
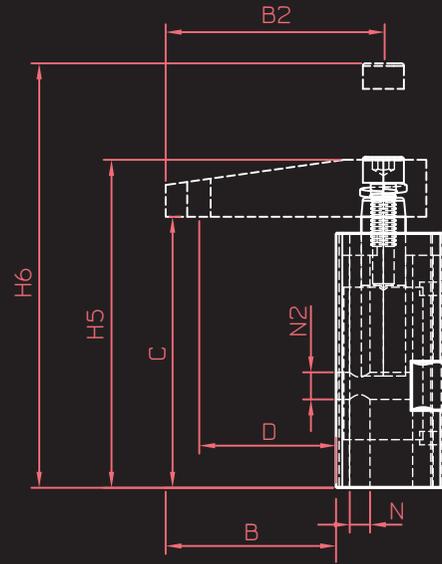
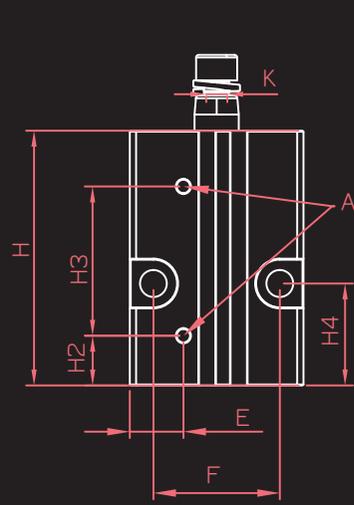
MODEL	P	Strok	FB(N)	Bar	Ac(dm ³)	AĞIRLIK (Kg) (Weight)
523-25R	14	28	190	6	0,15	0,44
523-25L	14	28	190	6	0,15	0,44

Ac: 6Bar basınçta çift hareket için hava tüketim miktarıdır.
(Ac: Air Consumption per double stroke in dm³ at 6 Bar)³



FB: BASKI KUVVETİ (CLAMPING FORCE)

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice



ÖLÇÜLENDİRME
DIMENSIONS

MODEL	A	B	B2	C	D	E	F	G	H	H2	H3	H4	H5	H6	I	J	K	N	N2	R	T	T1	Ø
523-25R	M5	41	56	85,1	35	17	36	20	80	15,6	46,9	32	103	131	55	40	M5	6,5	8,5	35	5	4,35	M8
523-25L	M5	41	56	85,1	35	17	36	20	80	15,6	46,9	32	103	131	55	40	M5	6,5	8,5	35	5	4,35	M8

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir / Dimensions and technical information are subject to change without notice

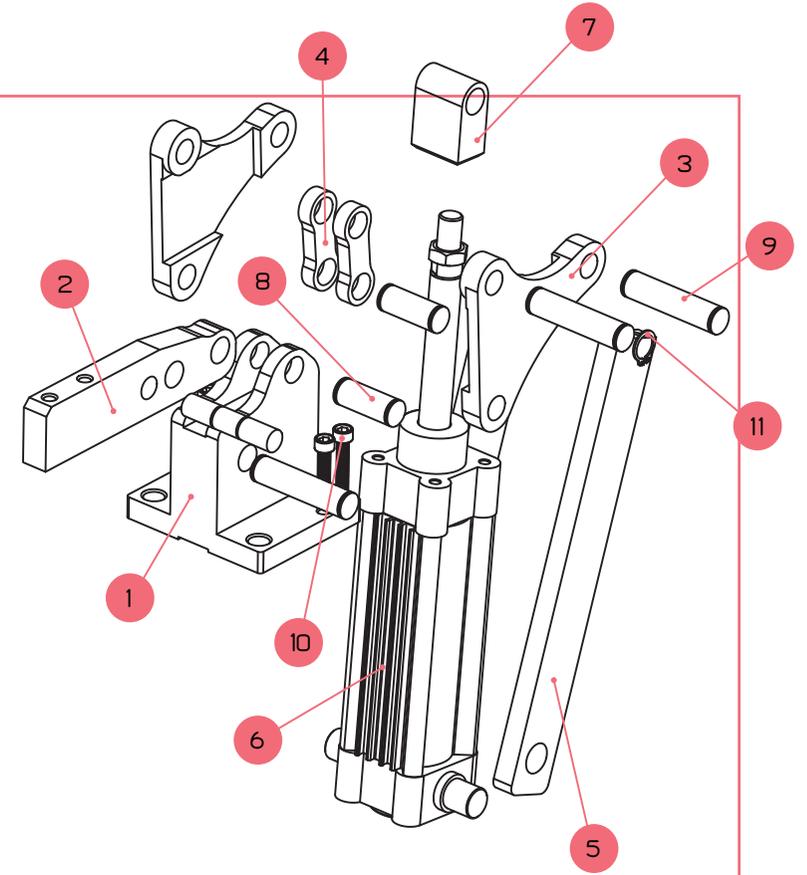


AĞIR SERİ PNÖMATİK BAĞLANTI ELEMENLARI

Heavy Series Toggle
Pneumatic Clamps

BLOK GÖVDE / Block Body

Montaj Tipi: Yatay Taban
Body Mounting Base: Horizontal



E PATLATILMIŞ
EXPLODE

ÖĞE NO. NU.	PARÇA ADI PART NAME	ADET QUANTITY
1	Gövde	1
2	Baskı Kolu	1
3	Hareket Kolu	2
4	Mafsalsal	2
5	Yan Kol	2
6	Piston	1
7	Piston Mafsalsal	1
8	Kısa Mil	2
9	Uzun Mil	3
10	İmbos Cıvata	4
11	Segman	12

E | AÇI ve HAREKET ANALİZİ
ANGLE and MOTION ANALYSIS

MODEL	α ($\pm 2^\circ$)	P	Bar	Ac(dm ³)	AĞIRLIK (Kg) (Weight)
2534	93°	16	6	1,28	5,6
2538	93°	20	6	5,13	21,3

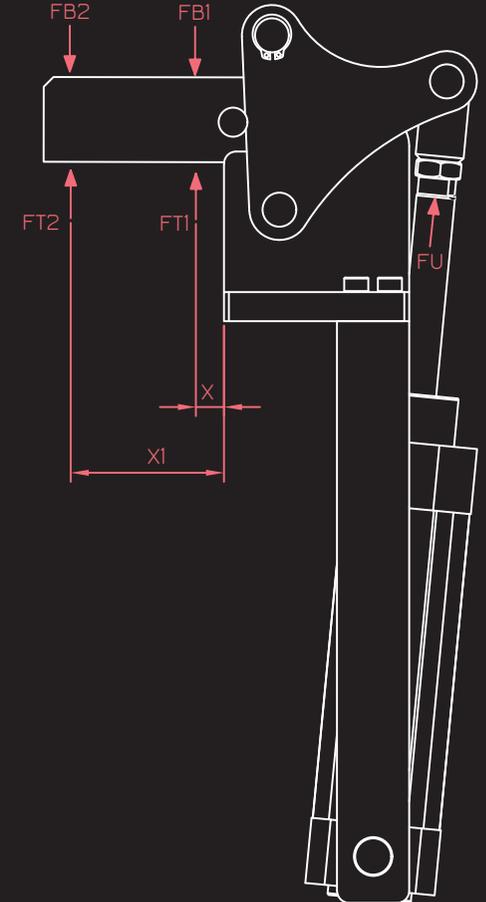
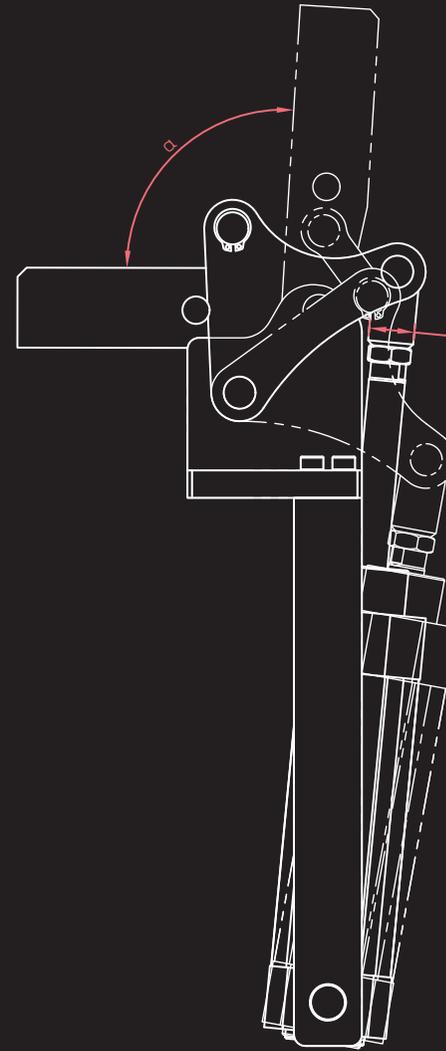
Ac: 6Bar basınçta çift hareket için hava tüketim miktarıdır.
[Ac: Air Consumption per double stroke in dm³ at 6 Bar]³

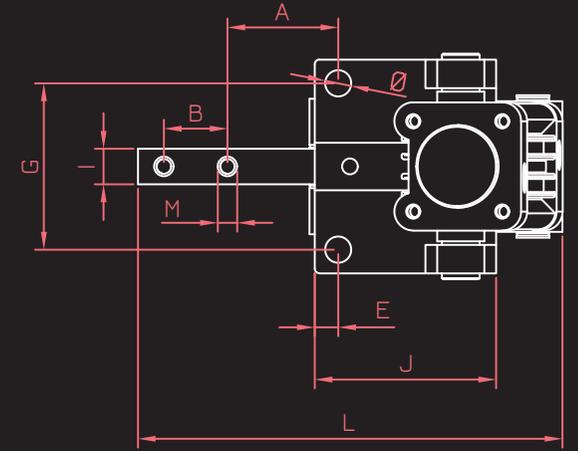
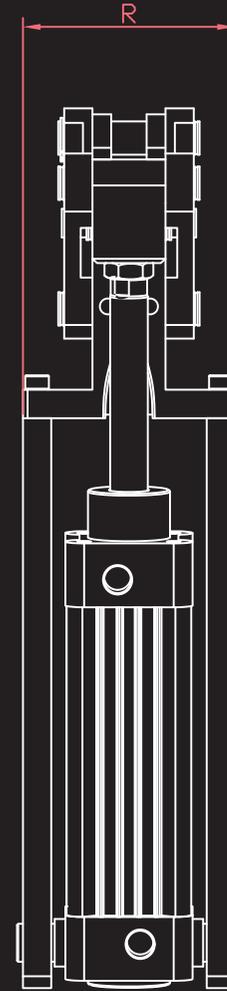
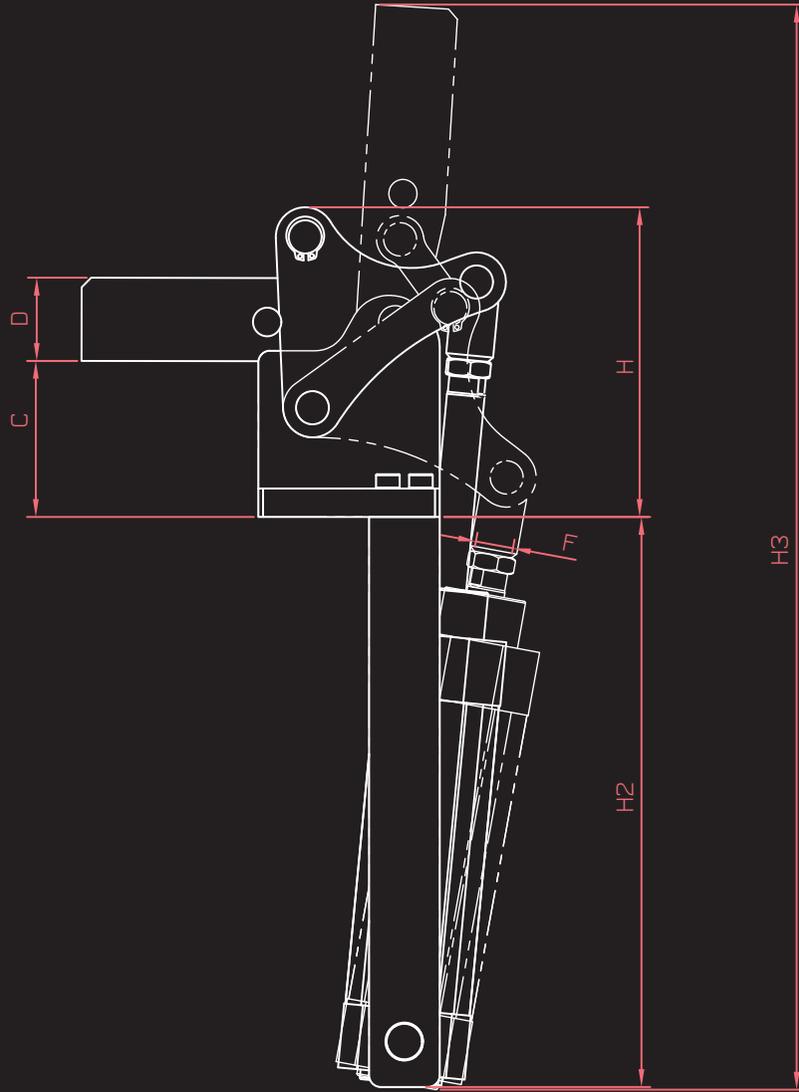
E | KUVVET ANALİZİ
FORCE ANALYSIS

MODEL	X	X2	FT1(N)	FT2(N)	FB1(N)	FB2(N)	FU(N)
2534	37	64	9100	6100	2600	1900	800
2538	52	92	30500	20500	6600	4100	1900

FT1-FT2: TUTMA KAPASİTESİ (HOLDING CAPACITY), FB1-FB2: BASKI KUVVETİ (CLAMPING FORCE),
FU: UYGULAMA KUVVETİ (APPLIED FORCE)

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir.
Dimensions and technical information are subject to change without notice

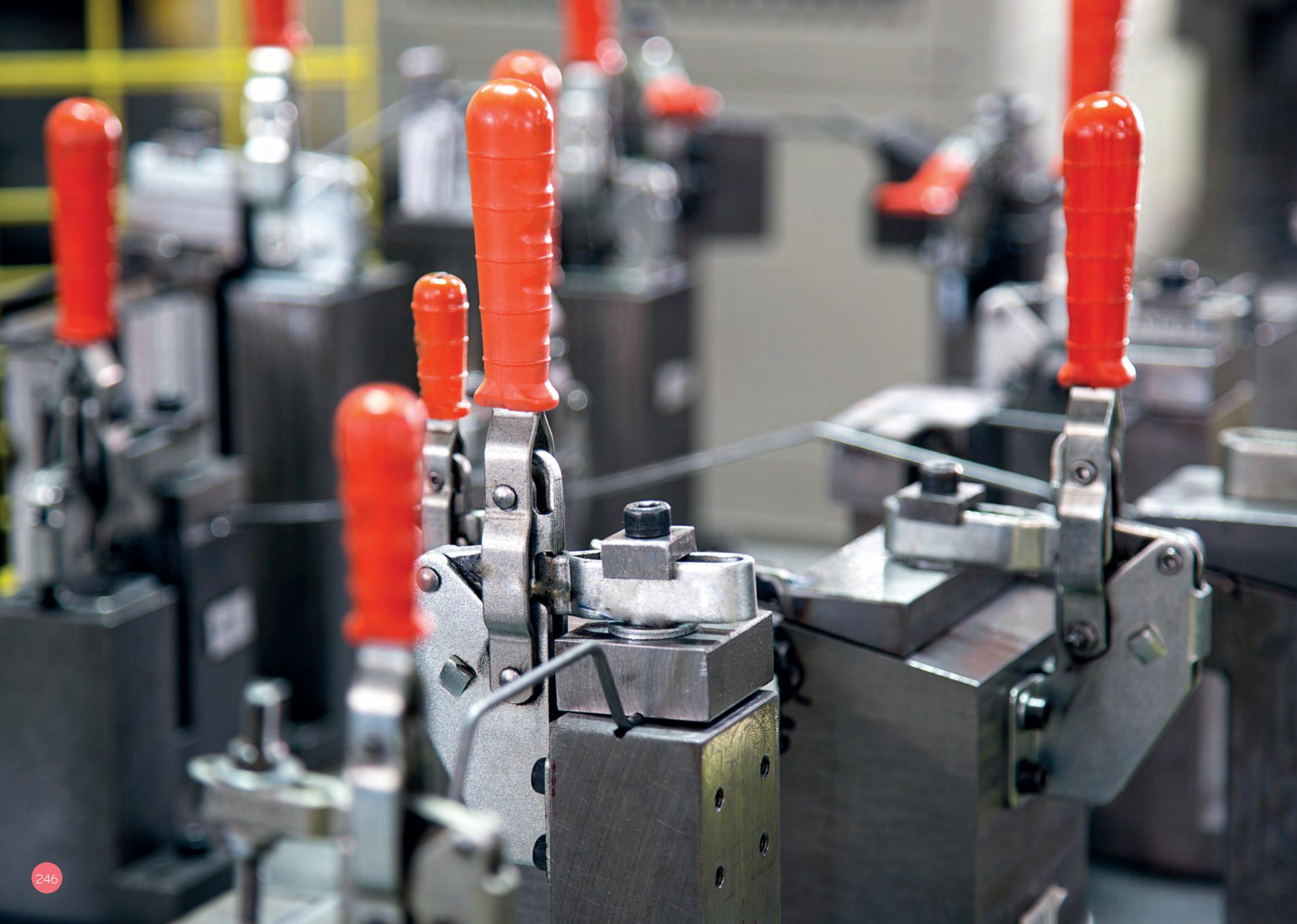




ÖLÇÜLENDİRME
DIMENSIONS

MODEL	A	B	C	D	E	F	G	H	H2	H3	I	J	L	M	R	Ø
2534	74,8	27	65,6	35	10	M12x1,25	70	130,5	240	456	15	77	180	6,2	90	11
2538	88,3	40	94	60	15	M16x1,5	115	212	335,5	598,5	30	125	216	12,2	145	16,5

Boyutlar ve teknik bilgiler önceden bildirilmeksizin değiştirilebilir / Dimensions and technical information are subject to change without notice



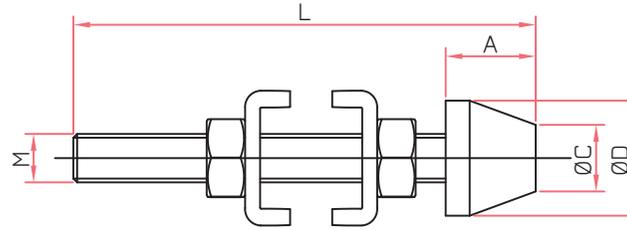


AKSESUARLAR
ACCESSORIES



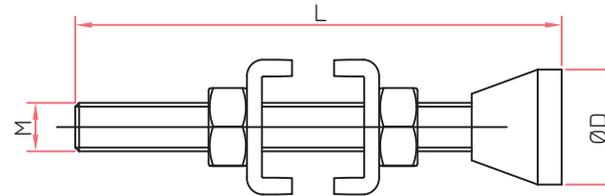
LASTİK SİLİKON BASKI PARÇASI (RUBBER SILICON SQUEEZE PART)

MODEL	K.	M	L	A	C	ØD
912040	L	M4	25	10	9	12
912050	L	M5	35	11	9	14
912051	L	M5	45	11	9	14
912060	L	M6	40	12	11	16
912061	L	M6	70	12	11	16
912080	L	M8	45	15	11	19
912081	L	M8	60	15	11	19
912082	L	M8	80	15	11	19
912083	L	M8	110	15	11	19
912084	L	M8	130	15	11	19
912100	L	M10	80	19	14	21
912101	L	M10	90	19	14	21
912102	L	M10	100	19	14	21
912120	L	M12	90	21	17	25
912121	L	M12	100	21	17	25
912122	L	M12	110	21	17	25



METAL SABİT UÇ (FIXED METAL FOOT SPINDLE)

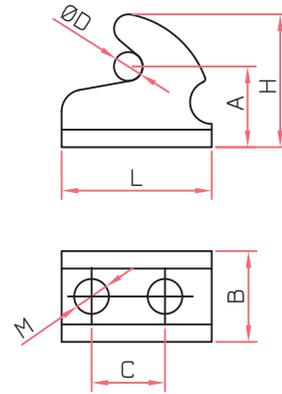
MODEL	K.	M	L	D
91205	S	M5	45	12
91206	S	M6	54	15
91208	S	M8	65	20
91210	S	M10	85	26
91212	S	M12	95	30





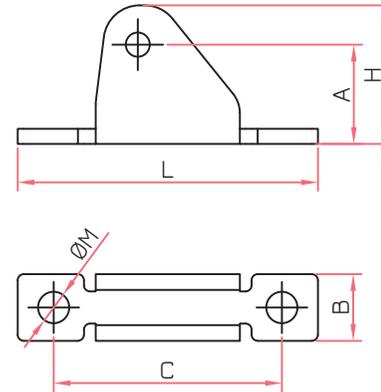
GERDİRME PARÇASI (STRETCHER PARTS)

MODEL K.	A	B	C	ØD	H	L	ØM
933104 Y 12	13,5	11	4	20	22,5	4,2	
933106 Y 12	13,5	11	4	20	22,5	4,2	
933108 Y 15	18	15	5,5	24	26	5,2	



GERDİRME PARÇASI (STRETCHER PARTS)

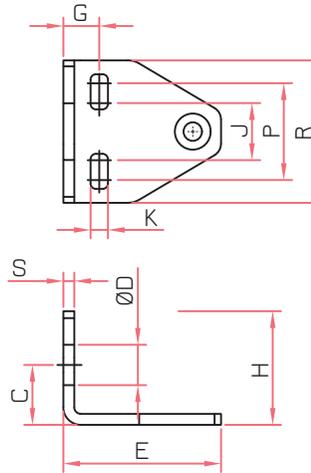
MODEL K.	A	B	C	H	L	ØM
933306 I 16,4	11	38	23	50	4	
933308 I 23,7	14	42	32	54	6,2	





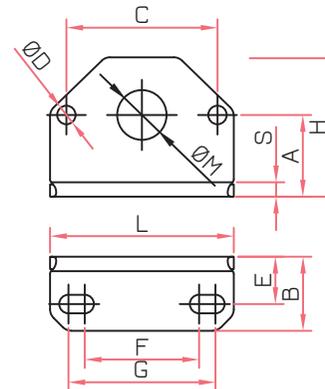
YATAY TABAN (HORIZONTAL BASE)

MODEL	K	C	ØD	E	G	H	J	K	P	R	S
926812	26	20	56,5	16	43	27	6,3	38	60,5	4	
926816	29,5	25	72,5	16,5	52	30	8	44	65	5	



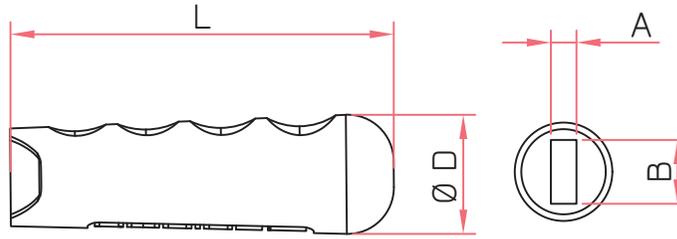
YATAY TABAN (HORIZONTAL BASE)

MODEL	K	A	B	C	ØD	E	F	G	H	L	ØM	S
926008	Y19,9	18	37	4,5	11,5	28	36	34	45	18	3	
926010	Y	22	23	43	5,5	15	31	39	37	52	20,2	4
926012	Y	30	28	48	6,5	18	38	46	48	60	20,2	5
926014	Y	38	37	60	8,5	21	43	53	56	78	24,2	6



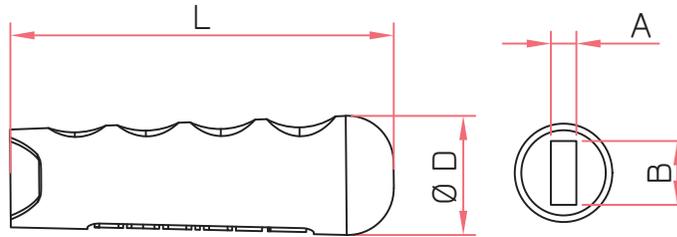
E TUTAMAK (HANDLE)

MODEL K.	A	B	L	ØD
C91040	4	9	45	16
C91045	4	9	45	16
C91055	5	11	55	21
C91090	6	14	90	25
C91095	6	15	95	27
C910100-6	6	20	100	32
C910100-8	8	20	100	32
C910100-10	10	20	100	32



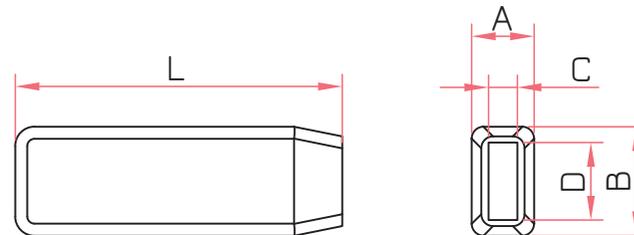
E SİYAH TUTAMAK
(BLACK HANDLE)

MODEL K.	A	B	L	ØD
C91040-S	4	9	45	16
C91045-S	4	9	45	16
C91055-S	5	11	55	21
C91090-S	6	14	90	25
C91095-S	6	15	95	27
C910100-6-S	6	20	100	32
C910100-8-S	8	20	100	32
C910100-10-S	10	20	100	32



E TUTAMAK (HANDLE)

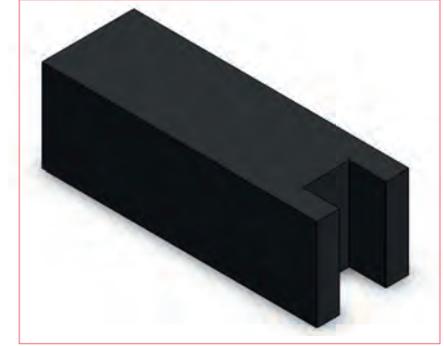
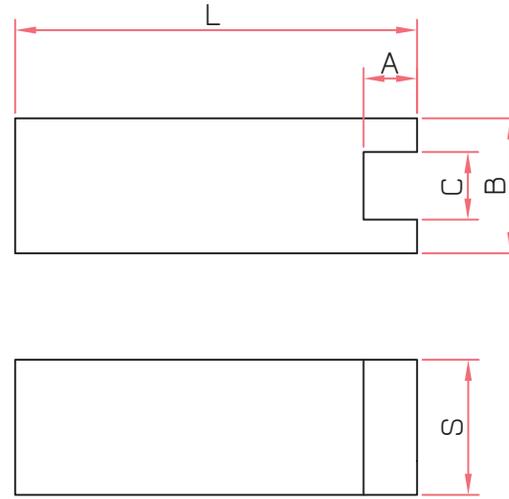
MODEL K.	A	B	C	D	L
R9153	12	15	6	12	53
R9168	13	23	6	16	68





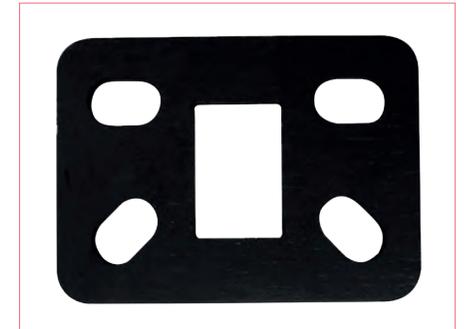
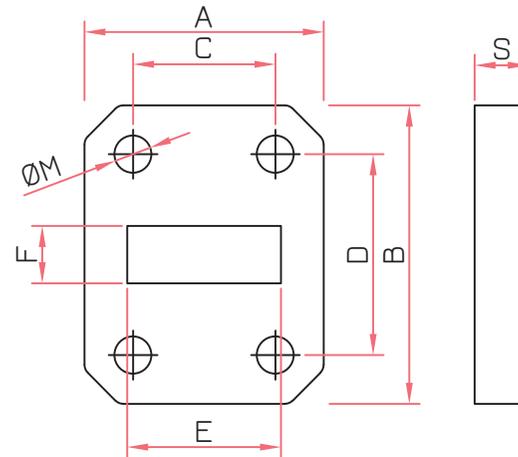
ÇENE UZATMA LAMASI (JAW EXTENSION BAR)

MODEL K.	A	B	C	L	S
91503 L	8	20	10	60	20
91505 L	12	25	12	80	25



TABAN PLAKASI (BASE PLATE)

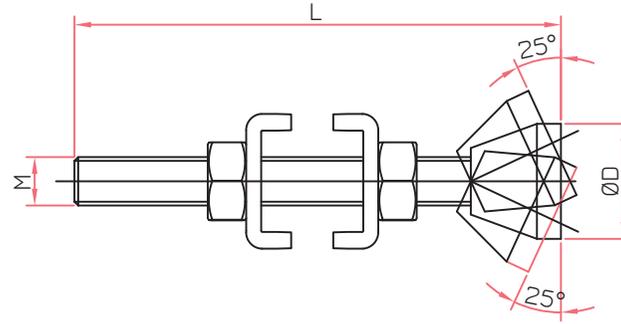
MODEL K.	A	B	C	D	E	F	ØM	S
91503 P	42	52	25	35	27	10	6,5	8
91505 P	57	60	38	42	35	12	8,5	8





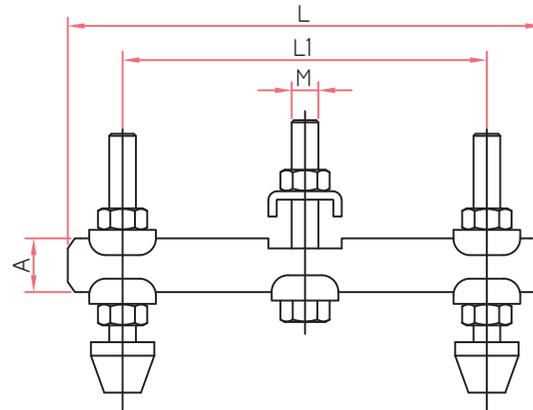
METAL MAFSA UÇ (SWIVEL METAL FOOT SPINDLE)

MODEL	K.	M	L	D
91205 H	M5	45	12	
91206 H	M6	54	15	
91208 H	M8	65	20	
91210 H	M10	85	26	
91212 H	M12	95	30	



ÇOKLU BASKI GRUBU (SQUEEZE PART WITH DOUBLE POINT)

MODEL	K.	M	L *	L1	A
91301	M5	100	30-90	10	
91302	M6	120	30-90	12	
91303	M8	140	40-110	16	
91304	M10	160	50-120	20	
91305	M12	180	60-140	24	

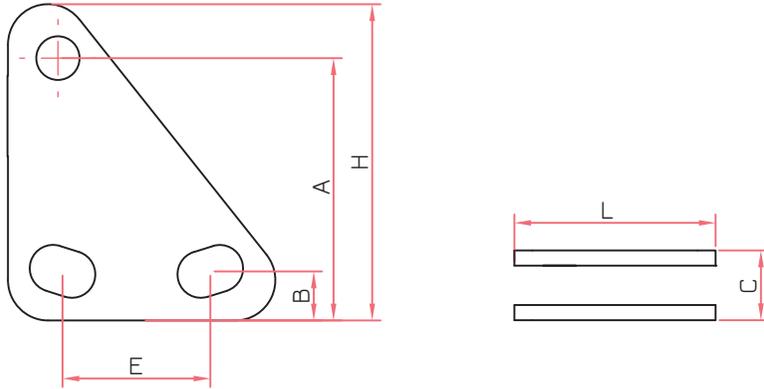


* L Kol boyu için özel üretime uygun sipariş verebilirsiniz



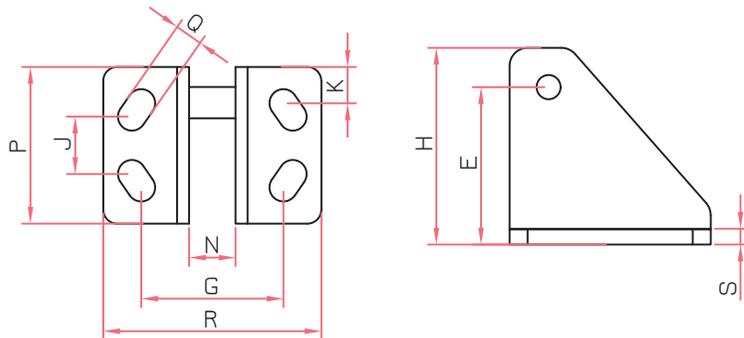
GERDİRME PARÇASI (STRETCHER PARTS)

MODEL	K	A	B	C	H	L	E	ØM
933306	D40,5	6,2-8,2	11,5	47	33,5	12,2-18	5,5	
933308	D39	6,8-7,8	18	47	40	19,3-25	6,5	



GERDİRME PARÇASI (STRETCHER PARTS)

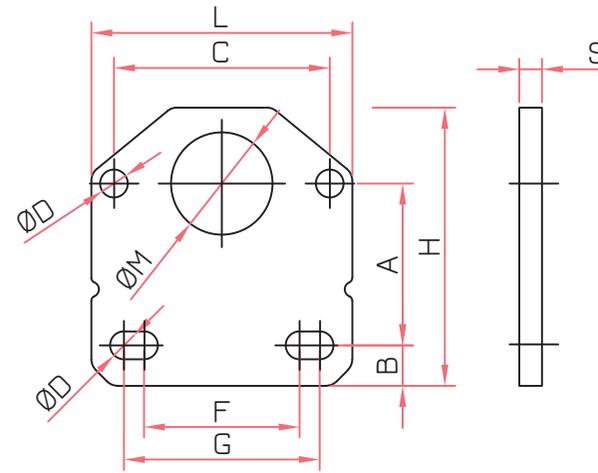
MODEL	K	E	G	H	J	K	N	P	R	S	ØQ
933306	Y26	30,5-34,5	32,5	12,2-18	7,7-10,6	10	33,5	47	2,5	6x9,5	
933308	Y22,4	36,2-38	30,9	19,3-22,2	6,7-9,6	12	41,5	51,7	3	7x10	





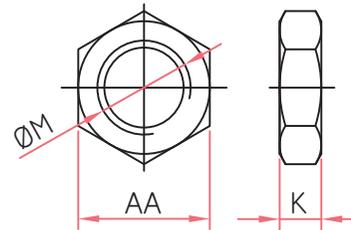
DİKEY TABAN (VERTICAL BASE)

MODEL	K	A	B	C	ØD	F	G	H	L	ØM	S
926008	D27,5	6,5	37	4,5	28	36	48	45	18	3	
926010	D	32	8	43	5,5	31	39	55	52	20,2	4
926012	D	42	10	48	6,5	38	46	70	60	20,2	5
926016	D	55	12	60	8,5	43	53	85	78	24,2	6



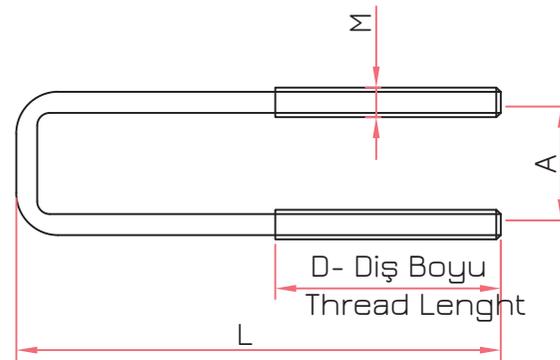
KONTRA SOMUN (NUT)

MODEL	K	ØM	AA	K
92410	K	M10x1	17	6
92412	K	M12x1,5	19	7
92416	K	M16x1,5	24	8
92420	K	M20x1,5	30	9
92424	K	M24x1,5	36	10



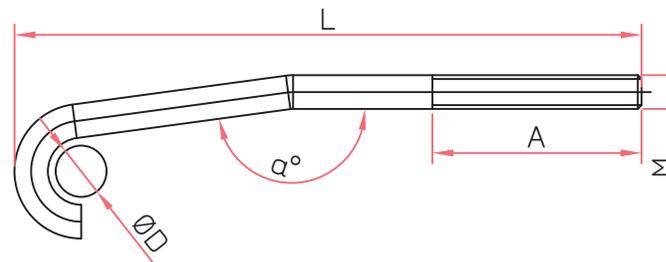
U KANCA (U HOOK)

MODEL	K	A	L	M	D
933104	U	23	90	M4	50
933106	U	28	100	M6	50
933906	U	28	100	M6	80
933008	U	40	140	M8	50
933908	U	40	140	M8	80
933010	U	50	200	M10	110
933012	U	54	200	M12	110



C KANCA (C HOOK)

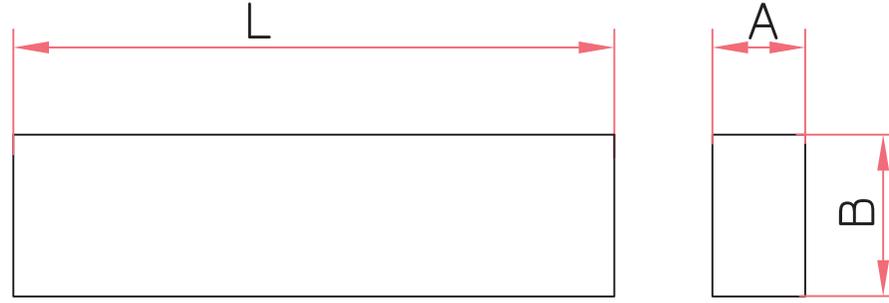
MODEL	K	A	M	ØD	L	α°
933306	C35	M6	7	100	160	
933308	C45	M8	10	145	172	





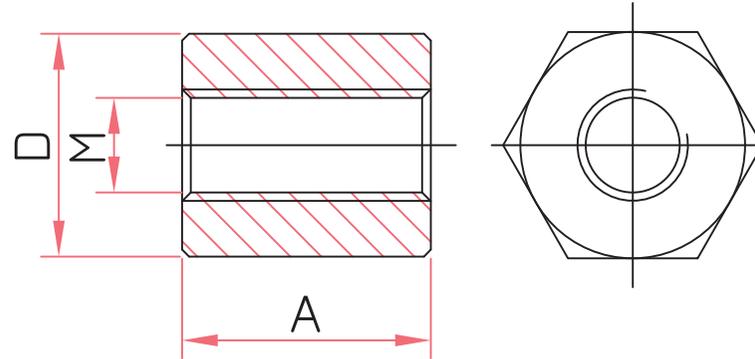
UZATMA KOLU (EXTENSION BAR)

MODEL K.	A	B	L
91503 K	10	20	105
91505 K	10	20	120



LAMA UÇ BAĞLANTI SOMUNU (SLEEVE)

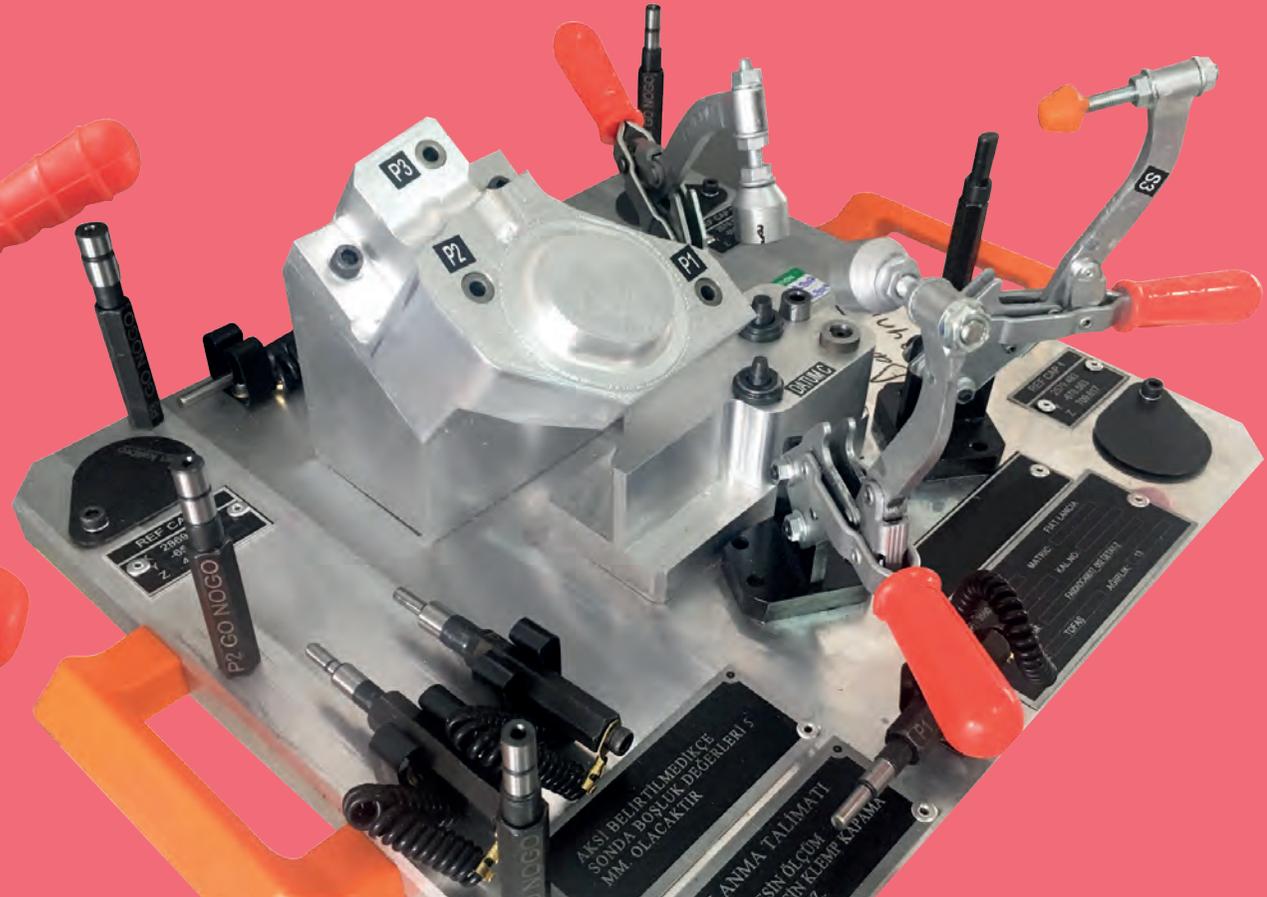
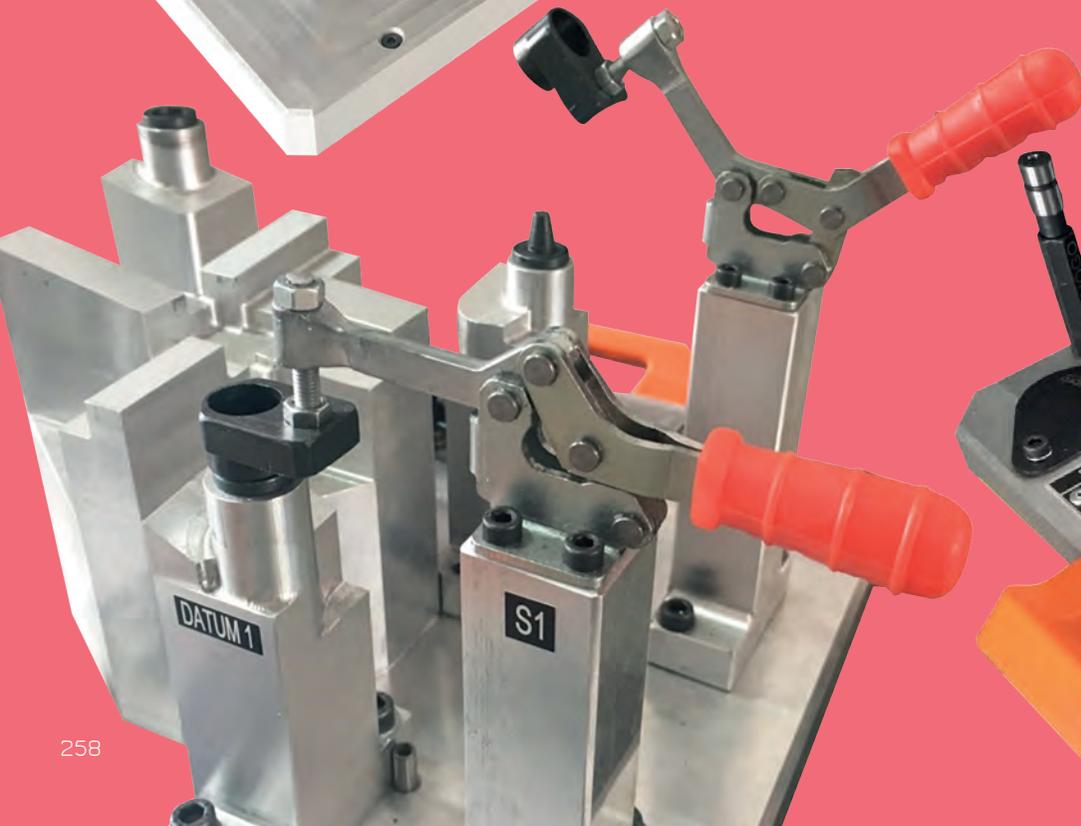
MODEL K.	M	A	D
92405 L	M5	12	10
92406 L	M6	15	10
92408 L	M8	18	13
92410 L	M10	22	17
92412 L	M12	25	19





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