MONTHLY NEWSLETTER 2020/02

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📝 ZETAŞ A SUBSIDIARY OF

CONTENT

Special Foundation Equipment & Machine Manufacturer

Z Makina with potential contributions to the group companies is to give examples of what Z Makina has achieved in the past and relate them to what it can accomplish in the future. With an ongoing emphasis on innovation in all phases of its design and production, Z Makina abides to its basic concept of Reliability In Action to provide ever more trustworthy products and services to a global customer base that continues to enjoy a sustained return on its investment.

Within the project duration, Z Makina;

- 1. Determines at a high level what needs to be accomplished and how it will be done
- 2. Allocates between what the project will and will not do.
- 3. Describes the work that must be performed to deliver a product, service or result.

01. SINGLE ROPE BORED PILE GRAB

Special bored pile grab designed and manufactured for our customer at Canada. We can make it work bored pile grab with only single rope. This system was specialy desired by our customer and Z Makina made it possible.

02. SCREWSOL DRILLING HEAD

Z Makina and HBM Hungary have tried to develop a specific drilling tool as if a combination of FDP & Screwsol specified to HBM Hungary's proper use.

03. H90 HYDRAULIC JAWS

Z Makina Project Department updated project design for its proper manufacturing processes.



SPECIAL DESIGNS

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SINGLE ROPE Bored Pile Grab

Z Makina has designed a single rope spherical pile grab on the new approach method for Soletanche Bachy Canada.

Two ballast weights on both sides facilitate the jaws to open for emptying. Those through pulling up the rotor by the weights on both sides will boost opening the jaws. At a point of time when the grab is hung down to perform unloading of soil, the operator should use instantaneous movement of free-fall function to open the bucket easily.

The grab achieves a very high filling level by means

of the special spherical shape of its jaws. Due to its high weight and high closing jaws force it deeply penetrates the soil even without being dropped, herein allowing for effectively vibration-free excavation.



Technical Specifications

The Single Rope Type Spherical Grab equipment has the components built using ST-52, 4140 steel, and hardox materials.

PHERICAL GRAB; SINGLE ROPE TYPE			
Jaws Opening	1500 mm		
Weight	13,9 t		
Overall Length	7152 mm jaws in open position		
	7368 mm jaws in close position		
Bucket Closing Force	55 t		



MAIN COMPONENTS



SCREWSOL DRILLING HEAD

ZETAŞ, mother company, has lot of experience, resources and completed projects using Deep Soil Mixing technology within its territory. Z Makina has developed the drilling tools based on the feedbacks from the job-sites.

Since 2018 Z Makina has manufactured FDP Drilling tools for different customers as well.

Besides, there is an intention to spread its knowledge to ZETAŞ zone and also vice versa to expand SB & ZETAŞ capacity in different types of drilling tools. In this content, Z Makina and HBM Hungary have tried to develop a specific drilling tool as if a combination of FDP & Screwsol specified to HBM Hungary's proper use.

330/500 mm Screwsol drilling heads are in the manufacturing phase currently.







H90 HYDRAULIC JAWS

Since 2019 Z Makina has manufactured 3 units of jaws in different dimensions, and also M8 grab of the jaws widths 800 / 1000 mm for ZETAS. SBI and Z Makina agreed that, in order to manufacture 2 units of H90 hydraulic jaws 800 mm x 3600 mm.

Z Makina Project Department updated project design for its proper manufacturing processes.





Jaws are in the manufacturing phase currently.





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SentezLive Verile	n Teklif Listesi 🛛 Proje Kart	ları Listesi 🛛 Malzeme Kartı Listesi 🎽 Malzeme Kartı [DWA	.MGJ.01476] ×	Mamúl Kartlari L	istesi × 🔋	Mamúl Kartları (DV
	Kodu DWA.MGJ.01476	Kullanımda				
	Adi SB M8 JAW 800X3					
	SP MIG SAME OUDYS	000				
Genel Birim A	çıklama Entegrasyon De	po Parametreleri Özellikler Alternatifler Fiyatlar Reçe	te Detays Dep	o Durumu 🛛 Barko	d Ekler	Resim Galerisi
Miktar 1,00	Adet *					
Recete	Maliyeti : 1 Adet 36.356,82	/ 1 Adet 36.356				
Recete Hammadd						
Rota RT.M		JAW 800X3600 RC				
		JAW 800X3600 RC				
Hammadde Gide						
Malzerne Türü	Malzeme Kodu	Malzeme Adi	Açıklama	Birim	Miktar	Kontrol Şekli
Hammadde	CLK.SAC.00364	M8 KOVA 800X3600 SAC GRUBU		Adet		Parametreyi Kulli
Hammadde	CLK.SAC.00365	M8 KOVA 800X3600 HARDOX SAC GRUBU		Adet	1,00	Parametreyi Kulli
Yarı Mamûl	DWA.MGJ.01476.001	M8 KOVA 800X3600 BAĞLANTI GÖVDESİ		Adet	1,00	Parametreyi Kull
Yarı Mamûl	DWA.MGJ.01476.002	M8 KOVA 800X3600 SIYIRICI		Adet	2,00	Parametreyi Kull
Yarı Mamûl	DWA.MGJ.01476.003	M8 KOVA 800X3600 KOVA-KOL MÍLÍ		Adet	2,00	Parametreyi Kull
Yarı Mamûl	DWA.MGJ.01476.004	M8 KOVA 800X3600 KOVA-KOL MÍL KAPAĞI		Adet	2,00	Parametreyi Kull
Yarı Mamûl	DWA.MGJ.01476.005	M8 KOVA 800X3600 KOVA-KOL BURCU		Adet	4,00	Parametreyi Kull
Yarı Mamûl	DWA.MGJ.01476.006	M8 KOVA 800X3600 KOVA-BAĞLANTI GÖVDESİ MİLİ		Adet	2,00	Parametreyi Kull
Yarı Mamûl	DWA.MGJ.01476.007	M8 KOVA 800X3600 KOVA-BAĞLANTI GÖVDESİ MİL KAPAĞI		Adet	4,00	Parametreyi Kull
Yarı Mamûl	DWA.MGJ.01476.008	M8 KOVA 800X3600 KOVA BURCU		Adet	4,00	Parametreyi Kull
Yarı Mamûl	DWA.MGJ.01476.012	M8 KOVA 800X3600 KOVA-KOL MİL KAPAĞI (KAYNAKLI)		Adet	2,00	Parametreyi Kull
Yarı Mamûl	DWA.MGJ.01476.013	M8 KOVA 800X3600 KOVA BURÇ YATAĞI		Adet	4,00	Parametreyi Kull
Yarı Mamûl	DWA.MGJ.01476.014	M8 KOVA 800X3600 KOVA TAHLIYE BURCU		Adet	4,00	Parametreyi Kull
Hammadde	HIR.SÖK.00235	RONDELA KILITLI NL24 SP	C056945	Adet	2,00	Parametreyi Kull
Hammadde	HIR.SÖK.00273	CİVATA SİYAH AKB M24X60 STANDART DİŞ 8.8	C020846	Adet	2,00	Parametreyi Kull
Hammadde	HIR.SÖK.00245	GRESÖRLÜK M12X1,75	C010506	Adet		Parametreyi Kull
Hammadde	HIR.SÖK.00239	GUPILYA 8X100	C049459	Adet	4,00	Parametreyi Kull
Hammadde	HIR.SÖK.00408	YARIKLI PİM 16X60	C010154	Adet		Parametreyi Kull
Hammadde	HIR.SÖK.00080	CİVATA SİYAH AKB M20X60 STANDART DİŞ 8.8	C020723	Adet		Parametreyi Kull
Hammadde	HIR.SÖK.00409	YARIKLI PİM 10X60	C010146	Adet		Parametreyi Kull
Hammadde	HIR.SÖK.00229	RONDELA YAYLI M20	C015946	Adet		Parametreyi Kull
Hammadde	DGE.DGU.00089	ADAPTÖR TIRNAK 37SD ESCO TÍP		Adet		Parametreyi Kulli
Hammadde	DGE.DGU.00092	TIRNAK 37SD ESCO TIP		Adet		Parametreyi Kulli
Hammadde	DGE.DGU.00093	PİM TIRNAK 37SD ESCO TİP		Adet		Parametreyi Kull
Hammadde	DGE.DGU.00094	TAKOZ TIRNAK SABİTLEME 37SD ESCO TİP		Adet		Parametreyi Kull
Tüketim Malze	KMY.BYE.00035	BOYA RAL 9005 SİYAH AKRİLİK		Kg		Parametreyi Kulli
Hammadde	HDR.SZE.00277	KECE TURCITE EXCLUDER O150		Adet	4.00	Parametrevi Kulk

Ζ Makina has implemented the Manufacturing Module of ERP (Enterprise Resource Planning). In Solidworks to explode the whole assembly for determining the parts, stock control and to be sure any impoper thing for assembly as well. Thus, Z Makina analysed the existing designed based on 2D drawings. Project Department drawn up the jaws in Solidworks to form STEP files for the ease of manufacture for each assembly and the simplified assembly of those parts into the final product.

SBI patented jaws design is very sturdy and very simple for maintenance, thus the result of use being very profitable.

To meet your specific requirements Z Makina has a product range of different mechanical grab types. Each type with its own specific advantages for your proper application. Environmentally friendly aspects, reduction of the use of trimming equipment and enhanced safety of your excavation operation.

	Öretim Emri Numarası	Ana Üretim Emri Numarası	Açıklama ⁹	Tarih	Durumu	Cari Hesap Kodu	Cari Hesap Adı	Mamúl Kodu	Mamúl Ar
τ			%						
	00000025		ZKS 1500 GRAB GUIDE	19.02.2020	Başladı			BRD.BPS.06010.003	ZKS 1500 *
	00000026		ZKS 1500 GRAB KOVA BAĞLANTI PARÇASI	19.02.2020	Başladı			BRD.8PS.06010.004	ZKS 1500
	00000027		ZKS 1500 KOVA TAKIMI	19.02.2020	Başladı			BRD.8PS.05010.005	ZKS 1500
	00000028		ZKS 1500 GENİŞ MAKARA TAKIMI	19.02.2020	Başladı			BRD.BPS.06010.006	ZKS 1500
	00000029		ZKS 1500 DAR MAKARA TAKIMI	19.02.2020	Başladı			BRD.8PS.06010.008	ZKS 1500
	00000030		ZKS 1500 TEKLİ MAKARA TAKIMI	19.02.2020	Başladı			BRD.BPS.06010.007	ZKS 1500
	00000031		ZKS 1500 GRAB KOL	19.02.2020	Başladı			BRD.BPS.06010.009	ZKS 1500
	00000032		KAŞIK KALDIRMA BAŞLIĞI	19.02.2020	Başladı			BRD.BPX.06003.001	KAŞIK KA
	00000033		KAŞIK BAĞLANTI BAŞLIĞI	19.02.2020	Başladı			BRD.BPX.06003.002	KAŞIK BA
	00000034		KAŞIK BAĞLANTI BAŞLIĞI BAĞLANTI TUT	19.02.2020	Başladı			BRD.BPX.06003.011	KAŞIK BA
	00000035		ZMG 600 ORTA TAMBUR	19.02.2020	İptal Edildi			DWA.MG8.01401.0	ZMG 600
	00000036		ZKS 1500 KOL BURCU	19.02.2020	Başladı			BRD.8PS.06010.010	ZKS 1500
	00000037		ZKS 1500 KOL PİMİ	19.02.2020	Başladı			BRD.8PS.05010.011	ZKS 1500
	00000038		ZKS 1500 ARABA HALAT SOKETİ BAĞLA	19.02.2020	Başladı			BRD.BPS.06010.012	ZKS 1500
	00000039		ZKS 1500 KOVA BAĞLANTI ÖN BURCU	19.02.2020	Başladı			BRD.8PS.06010.013	ZKS 1500
	00000040		ZKS 1500 KOVA BAĞLANTI ARKA BURCU	19.02.2020	Başladı			BRD.BPS.06010.014	ZKS 1500
	00000041		ZKS 1500 KOVA BAĞLANTI PİMİ	19.02.2020	Başladı			BRD.8PS.06010.015	ZKS 1500
	00000042		ZKS 1500 KOVA-KOL BAĞLANTI PİMİ	19.02.2020	Başladı			BRD.BPS.05010.024	ZKS 1500
	00000043		ZKS 1500 KOVA-KOL BAĞLANTI BURCU	19.02.2020	Başladı			BRD.8PS.06010.027	ZKS 1500
	00000044		ZKS 1500 KOVA-GÖVDE BAĞLANTI BUR	19.02.2020	Başladı			BRD.BPS.06010.026	ZKS 1500
	00000045		ZKS 1500 KOVA BURÇ KOVANI	19.02.2020	Başladı			BRD.BPS.06010.025	ZKS 1500
	00000046		ZKS 1500 GENİŞ MAKARA PİMİ	19.02.2020	Başladı			BRD.8PS.06010.016	ZKS 1500
	00000047		ZKS 1500 Q480 GRAB MAKARASI	19.02.2020	Başladı			BRD.BPS.05010.017	ZKS 1500
	00000048		ZKS 1500 MAKARA BASKI BILEZIĜI	19.02.2020	Başladı			BRD.8PS.06010.018	ZKS 1500
	00000049		ZKS 1500 Q480 MAKARA LIFE-TIME KAP	19.02.2020	Başladı			BRD.8PS.06010.019	ZKS 1500
	00000050		ZKS 1500 GENİŞ MAKARA GRUBU ARA B	19.02.2020	Başladı			BRD.BPS.06010.020	ZKS 1500
	00000051		ZKS 1500 Q480 MAKARA KAPAĞI	19.02.2020	Başladı			BRD.8PS.06010.021	ZKS 1500
	00000052		ZKS 1500 MAKARA KAPAK YAĞLAMA K	19.02.2020	İptal Edildi			BRD.BPS.06010.028	ZKS 1500
	00000053		ZKS 1500 GRESÖRLÜK KORUYUCU TAPASI	19.02.2020	İptal Edildi			BRD.BPS.06010.029	ZKS 1500
	00000054		ZKS 1500 TEKLİ MAKARA PİMİ	19.02.2020	Başladı			BRD.8PS.05010.022	ZKS 1500
	00000055		ZKS 1500 DAR MAKARA PİMİ	19.02.2020	Başladı			BRD.BPS.06010.023	ZKS 1500
	00000056		KAŞIK KALDIRMA BAŞLIĞI GÖVDE BORU	19.02.2020	Başladı			BRD.8PX.06003.005	KAŞIK KA
	00000057		KAŞIK KALDIRMA BAŞLIĞI KANCA PİMİ	19.02.2020	Başladı			BRD.BPX.06003.006	KAŞIK KA
	00000058		KAŞIK KALDIRMA BAŞLIĞI KANCASI	19.02.2020	Başladı			BRD.BPX.06003.003	KAŞIK KA
	00000059		KAŞIK KALDIRMA BAŞLIĞI İÇ BORU	19.02.2020	Başladı			BRD.BPX.06003.007	KAŞIK KA
	00000060		KAŞIK BAĞLANTI BAŞLIĞI KİLİTLEME DES	19.02.2020	Başladı			BRD.BPX.06003.008	KAŞIK BA
	00000061		KAŞIK BAĞLANTI BAŞLIĞI KİLİT	19.02.2020	Başladı			BRD.8PX.06003.004	KAŞIK BA
	00000062		KAŞIK BAĞLANTI BAŞLIĞI KİLİT PİMİ	19.02.2020	Başladı			BRD.BPX.06003.010	KAŞIK BA
	00000063		KAŞIK BAĞLANTI BAŞLIĞI KİLİTLEME BO	19.02.2020	Başladı			BRD.BPX.06003.009	KAŞIK BA 🖕
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COVID-19 PRECAUTIONS

Z Makina HSE team regularly arange tool-boxes and inform our employees about covid-19. On the toolbox HSE team explains how we can fight with coronavirus and how we can provide a safer working environment.

In order to minimize the negative effects of the virus, we not only inform the employees of but also implement a complete set of strict measures to ensure hygiene, safe transportation and service continuity at our workplaces.

According to that we changed the way we work by paying attention to the social distance and provided a safer working environment for our employees.

To this end, the bulk of our employees have started working remotely. Meetings are now held via videoconferences. Events and business trips have been postponed for a certain period of time.

Despite of some mishaps, our remote working and online access processes have been running swimmingly.

We hope the world and our country alike will soon survive this period, during which we will go along to deliver uninterrupted manufacturing activities and maintain our service quality as always, thanks to the strong cooperation among our employees, our management team and you, our esteemed stakeholders.



WHY CHOOSE US

ADVANTAGES OF WORKING WITH Z MAKINA

In house development of proprietary datas from ZETAS for over 30 years.	Always side of the customer and provide full support.
Management, design and field staff have experience in nearly all types of foundation applications	Fast delivery and elaborated products to all customers.



YOU HAVE A STRONG PARTNER WITH Z MAKINA

Z Makina has the experience in foundation equipment technology and innovation to provide the most economical solution that satisfies the requirements of each project, typical or unique. Z Makina, offering the exhaustive and profitable solutions. Headquartered in Kocaeli, Turkey, has expanded to meet the increasingly complex needs of the geotechnical equipment within the group companies.

Z Makina Teknolojisi A.Ş

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