

PLASTİK SICAK YOLLUK SİSTEMLERİ PLASTIC HOT RUNNER SYSTEMS

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HRS MOLD[®]
HOT RUNNER SYSTEM

Turkey
Discover
the potential



HAKKIMIZDA

HRSMOLD 2015 yılında kurulmuştur, sıcak yolluk alanında 22 yıllık uzmanlaşmış kadrosu ile %40 ihracat yapan ve ürünleri tasarımdan imalata kendi bünyesinde üreten bir yerli mühendislik firmasıdır.

Öncelikli amacımız, küresel plastik enjeksiyon kalıplama endüstrisine yenilikçi teknolojiyi ve kaliteyi sürekli geliştirmeyi hedefleyen ve müşteri memnuniyetini öncelik veren sıcak yolluk çözümlerinde ülkemizde lider tedarikçisi olmaktır.

HRSMOLD olarak ürünlerimizin yaşam döngüsü boyunca hizmet ve destek sağlamayı taahhüt eder stok envanterimizde ve üretim planlarımızda bu öncelikle hareket edeceğiz.

Ürünlerimizin tasarım ve imalatlarında VERİMLİLİK, SÜRDÜRLEBİLİRLİK ve TEKRARLANABİLİRLİK kriterleri ön planda tutulmakla beraber hassas parçalar dışında genel standarda uygun bulunabilirliği kolay parçalar kullanımına özen gösterilir.

HRSMOLD olarak en zorlu uygulamaların ve karmaşık sistemlerin ihtiyaçlarını karşılamak üzere Açık uçlu ve Pimli (valfgate) Nozzle sistemlerinden, çok gözlü Manifoldlara, ısı kontrol cihazları ve sıralayıcılar gibi birçok ürünle sektöre hizmet vermektedir.

HRSMOLD tarafından üretilen her parça ve sistem bulunduğu çalışma ortamı için en uygun çevrim süresi, en az enerji maliyeti ve ısı kayıplarını minimize edecek şekilde çalışır. Performans ve fayda ilişkilerinde HRSMOLD ürünleri yerli ve uluslararası alanda en iyi ürünleri üretmek ve bunun devamlılığını sağlamak için çalışmaktadır.

ABOUT US

HRSMOLD is an engineering company founded in 2015, which exports 40% of its products in the field of hot runners with its expert staff of 22 years and produces its own products from design to manufacturing.

Our primary target is to be the leading supplier of hot runner solutions to the global plastic injection molding industry in our country, aiming to continuously improve innovative technology and quality and prioritizing customer satisfaction.

As HRSMOLD, we are committed to providing service and support throughout the life cycle of our products and this priority is taken into account in our stock inventory and production plans.

EFFICIENCY, SUSTAINABILITY, and REPEATABILITY criteria are prioritized in the design and manufacturing of our products, and care is taken to use easily available parts that comply with the general standard, apart from precision characteristic parts.

As HRSMOLD, we serve the industry with many products such as Open and Pin Nozzle (Valve Gate) systems, Multi-cavity Manifolds, heat control devices, and sorters to meet the needs of the most demanding applications and complex systems.

Each part and system produced by HRSMOLD works in a way that provides the most appropriate cycle time, and minimum energy cost and minimizes thermal reflexes for its working environment. In terms of performance and benefit relations, HRSMOLD products work to produce the best products domestically and internationally and to ensure their continuity.



NEDEN HRSMOLD ?

Seçilen sıcak yolluk tedarikçisi müşteriye dengeli bir enjeksiyon için sıcak yolluk alternatifleri sağlamalı, en uygun giriş izi ve mal kesme tasarımları sağlamalı, soğutma gereksinimleri, enerji optimizasyonu ve yolluk konumları gibi birçok konuda müşteriye yardımcı ve yönlendirici olmalıdır. Kalıbınız için doğru yolluk seçimi yapmak gibi zor bir durumla karşılaştığınızda size profesyonel tavsiyelerle beraber en yüksek performansı elde edebileceğiniz çözüm yolları sunmalıdır.

Kalıp üreticisinin sıcak yolluk tedarikçisi seçimi, kalıbın kalitesini, performansını, kalıplanan parçaları, satış sonrası kalıbın değerini ve kalitesini önemli ölçüde etkiler!

Kalıpta yaşanabilecek olası arızalara ya da oluşabilecek problemlere karşı sıcak yolluk tedarikçisi sürekli yedek parça sağlamayı garanti altına almalı ve max. 3 gün içerisinde müşterisine ulaştırmak için gerekli önlemleri almalıdır. Genel müşteri memnuniyetini ön planda tutarak Müşterilerinin çıkarları doğrultusunda tekrarlanabilir bir performans oluşturmaktadır.

HRSMOLD medikal, plastik kapak endüstrisi, ambalaj, küçük ev aletleri, beyaz eşya, elektronik, kozmetik, elektrik aksamaları, mühendislik parçaları, endüstriyel ürünler ve otomotiv bileşenleri dahil olmak üzere birçok sektörde müşterilerine çözümler sunmaktadır.

HRSMOLD Mühendislik ekibi ürün kalitesi, yeniden üretilebilir ve uzun vadede kalıbın güvenilirliği için en uygun metodu, manifold tasarımını ve aşınmaya dayanıklı bileşenlerin kullanıldığından emin olmak için uygun olan her yönetimi ve adımı değerlendirir.

WHY HRS MOLD ?

The selected hot runner supplier should provide the customer with hot runner alternatives for a balanced injection, provide the most appropriate entry track and goods cutting designs, and assist and guide the customer on many issues such as cooling requirements, energy optimization, and runner locations. When you encounter a difficult situation such as choosing the right runner for your mold, it should offer you solutions to achieve the highest performance along with professional advice.

The mold manufacturer's choice of hot runner supplier significantly affects the quality and performance of the mold, the molded parts, and the value and quality of the mold after sales!

In case of possible malfunctions or problems that may occur in the mold, the hot runner supplier must guarantee to provide lifetime spare parts and provide max. It must take the necessary precautions to deliver it to its customer within 3 days. It must create a repeatable performance in line with the interests of its customers by prioritizing overall customer satisfaction.

HRSMOLD offers solutions to its customers in many sectors including medical, plastic cover, packing, small home appliances, white goods, electronics, cosmetics, electrical components, engineering parts, industrial products and automotive components.

The HRSMOLD Engineering team evaluates every appropriate management, reproduced and step to ensure the most appropriate method, manifold design, and use of wear-resistant components for product quality, repeatability, and long-term reliability of the mold.



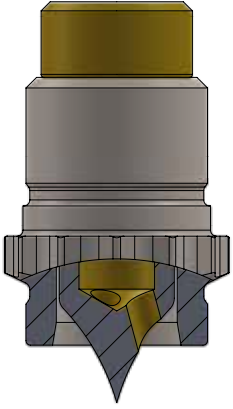
HRSMOLD SICAK YOLLUK SİSTEMLERİ ***HRSMOLD HOT RUNNER SYSTEMS***





HRSMOLD SICAK YOLLUK SİSTEMLERİ ***HRSMOLD HOT RUNNER SYSTEMS***

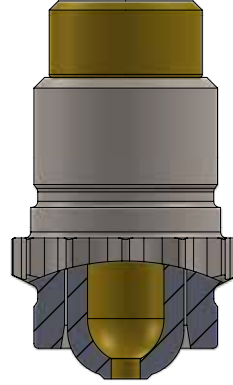




ST TIP / ST TYPE

Minumum Yolluk izi
Hızlı renk değişimi
Süper sızdırmazlık
55hrc kaplamalı Moldmax torpedo
Titanyum sızdırmazlık adaptörü

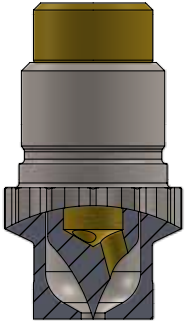
Minumum runner mark
Quick color change
Excellent leakproof
55hrc coating Moldmax torpedo
Titanium leakproof adapter



PT TIP / PT TYPE

Minimize edilmiş akış izi
Hızlı renk değişimi
Geri dönüşüm hammaddelere uygunluk 55hrc kaplamalı Moldmax torpedo.
Titanyum sızdırmazlık adaptörü

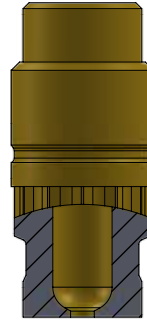
Minimum runner mark
Quick Color Change
Suitable for recycled materials
55hrc coating Moldmax torpedo
Titanium leakproof adapter



DT TIP / DT TYPE

Kolay işlenebilir yuva detayı
Hızlı renk değişimi
55hrc kaplamalı Moldmax torpedo
52hrc sızdırmazlık adaptörü

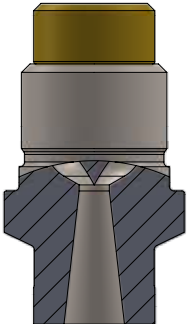
Easy nozzle slot processing
Quick Color Change
55hrc coating Moldmax torpedo
52hrc leakproof adapter



BDT TIP / BDT TYPE

Kolay işlenebilir yuva detayı
Hızlı renk değişimi
55hrc kaplamalı Moldmax torpedo
Geri dönüşüm hammaddelere uygunluk

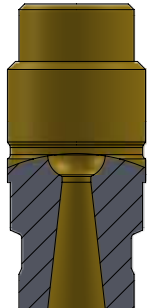
Easy nozzle slot processing
Quick Color Change
55hrc coating Moldmax torpedo
Suitable for recycled materials



YT TIP / YT TYPE

Kolay işlenebilir yuva detayı
Hızlı renk değişimi
Akmayı önleyen Moldmax torpedo
52hrc sızdırmazlık adaptörü

Easy nozzle slot processing
Quick Color Change
Prevent leak Moldmax torpedo
52hrc leakproof adapter

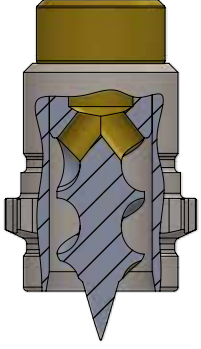


BYT TIP / BYT TYPE

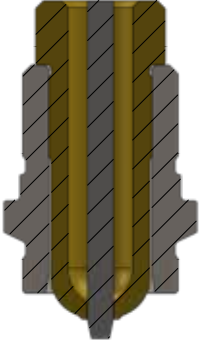
Kolay işlenebilir yuva detayı
Hızlı renk değişimi
55hrc kaplamalı Moldmax torpedo
Geri dönüşüm hammaddelere uygunluk

Easy nozzle slot processing
Quick Color Change
55hrc coating Moldmax torpedo
Suitable for recycled materials



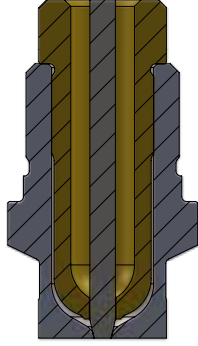
**HLZ TIP / HLZ TYPE**

Helezon dağılım ile mükemmel ürün kalitesi
Hızlı renk değişim
Süper sızdırmazlık
55hrc kaplamalı CuBe2 Helezon torpedo
Titanyum sızdırmazlık adaptörü
Excellent product quality with spiral tip
Quick Color Change
Excellent leakproof
55hrc coating CuBe2 Sprial
Titanium leakproof adapter

**VPT TIP / VPT TYPE**

Mükemmel yolluk izi
Tin kaplı hasas ithal iğne ve guide
55hrc kaplamalı Moldmax torpedo
Titanyum sızdırmazlık adaptörü

Excellent quality gate mark with Valve Gate
Tin coating precision tips and guide
55hrc coating moldmax torpedo
Titanium leakproof adapter

**VDT TIP / VDT TYPE**

Valve Gate geri dönüşüm
hammadde uyumu
Kolay işlenebilir yuva detayı
Tin kaplı hassas iğne ve guide
55hrc kaplamalı Moldmax torpedo
52hrc sızdırmazlık adaptörü

Suitable recycled materials with Valve Gate
Easy nozzle slot processing
Tin coating precision tips and guide
55hrc coating moldmax torpedo
52hrc leakproof adapter

**VYT TIP / VYT TYPE**

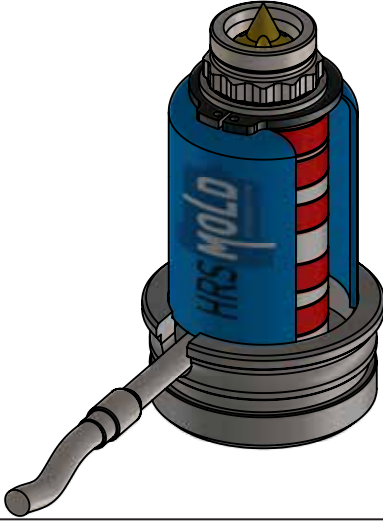
Helezon dağılım ile mükemmel ürün kalitesi
Hızlı renk değişim
Süper sızdırmazlık
55hrc kaplamalı CuBe2 Helezon torpedo
Titanyum sızdırmazlık adaptörü

Excellent product quality with spiral type
Quick color change
Excellent leakproof
55hrc coating CuBe2 spiral torpedo
Titanium leakproof adapter

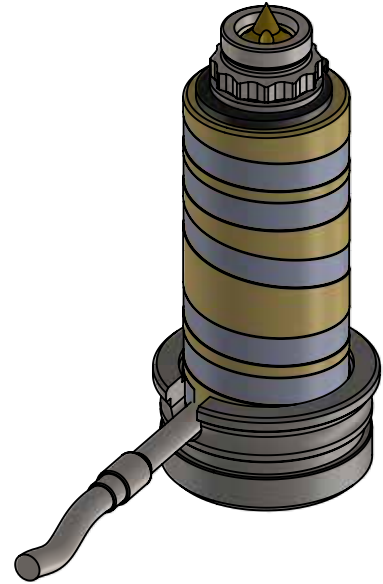
**KARBÜR UÇLAR / CARBIDE TIPS**

Yüksek ısı transferi ve performans
Aşınmaya yüksek dayanım
PA 6.6 (%30 - GF) uyum
Good thermal conductivity
High wear resistance
Excellent solutions for PA 6.6 (%30 - GF)



**STANDART 4.2 X 2.2MM KESİT RESİTANS**
STANDART 4.2 X 2.2MM SECTION RESISTANCE

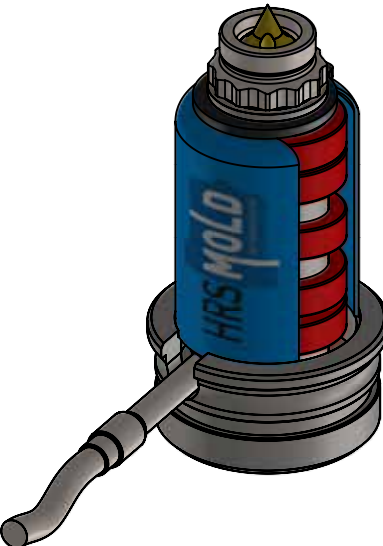
4.2 X 2.2mm Kesit Avrupa Rezistans
Kolay Rezistans değişim ve bakım avantajı
Uzun ömürlü avrupa rezistans
Metal ısı yalıtım kovani
Güçlü stok avantajı
Kolay bulunabilirlik
4.2 X 2.2mm Section Europe Heaters
Easy replacement and maintenance advantage
Long-lasting European heaters
Metal thermal insulation bushing
Strong stock advantage
Easy access to heaters

**PİRİNÇ & MICROCOIL REZİSTANS**
BRASS & MICROCOIL RESISTANCE**Pirinç & Microcoil Rezistans Avantajları**

Uzun ömürlü rezistans kullanımı
Yüzde 50'ye varan enerji tasarrufu
Hassas sıcaklık ölçümü ve kontrolü (harici gömülü termokulp)
Kolay rezistans değişim imkanı
Yedek parçaya kolay ulaşım

BRASS & MICROCOIL RESISTANCE

Long Heater Lifespan
Up to 50% energy saving
Sensitive Temperature Control (With external embedded thermocouple)
Easy heater replacement
Easy access to spare parts

**GÖMÜLÜ & MICROCOIL REZİSTANS**
EMBEDDED & MICROCOIL RESISTANCE**Gömülü Rezistans Avantajları**

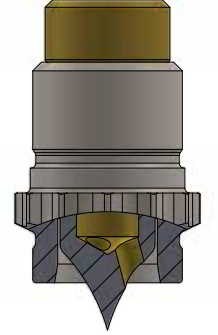
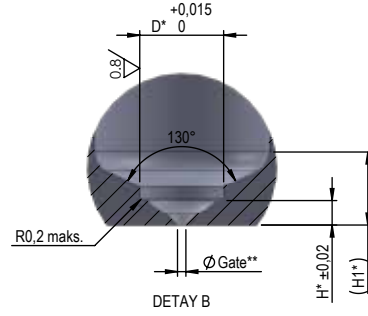
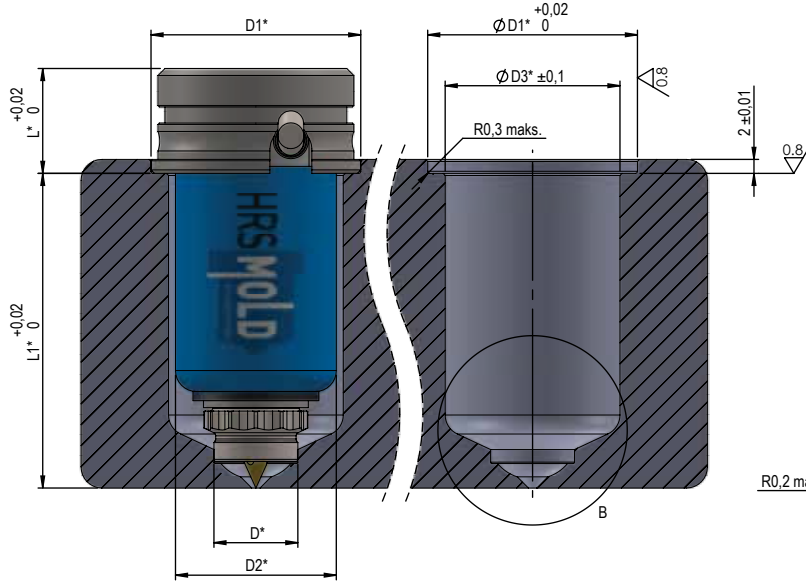
Uzun ömürlü rezistans kullanımı
Yüzde 50 ye varan enerji tasarrufu
Hassas sıcaklık ölçümü ve kontrolü
Metal ısı yalıtım kovani

Advantages of Embedded & Microcoil Resistance
Long Heater Lifespan
Up to 50% energy saving
Sensitive Temperature Control
Metal thermal insulation bushing



Manifold altı uygulama / Multi cavity application

STANDART / NOZZLES

MULTI MASTER SIVRI TİP
POINTED TYPE

Order No.: L kb mm L1 ab mm D mk mm D1 kç mm D2 bç mm D3 bç mm H bç mm H1 bç mm

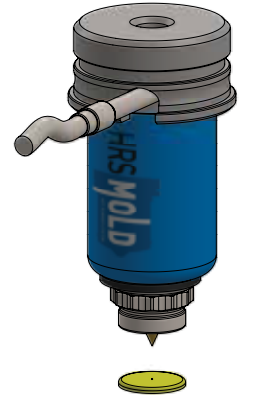
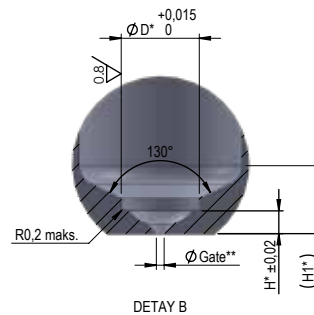
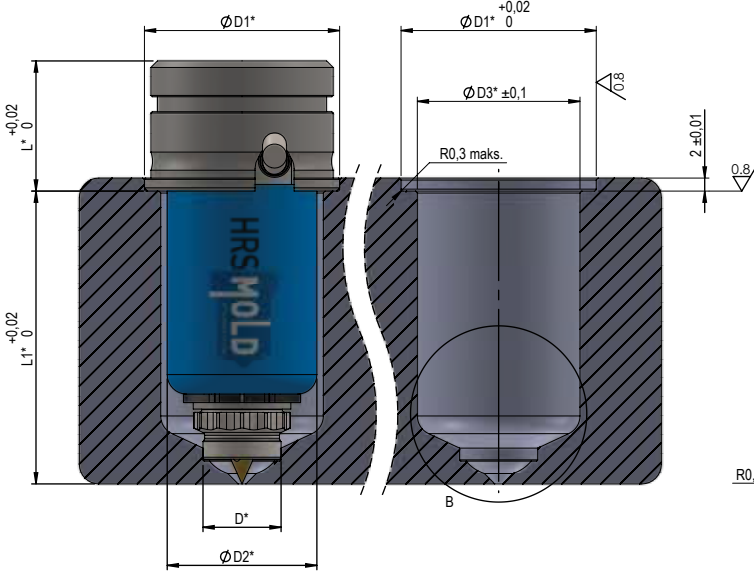
SMM	SMM-12-ST	15	45-95	10	27	20	22	3,9	10,7
	SMM-15-ST	15	45-95	12	30	23	25	3,5	10,4
	SMM-17-ST	15	45-95	14	32	25	27	3,5	10,4
	SMM-19-ST	15	45-95	16	34	28	30	5	12,1
	SMM-25-ST	20	65-115	18	43	35	37	6	16,6
	SMM-32-ST	20	65-115	25	49	43	44	6	16,6

Table of Capacity

A Easy Filling	B Moderate Filling	C Difficul Filling
15gr	-	-
45gr	32gr	15gr
150gr	100gr	60gr
300gr	250gr	200gr
1200gr	1000gr	800gr
4000gr	3500gr	3000gr

Tekli Ana Yolluk Uygulama / Single Cavity Application

STANDART / NOZZLES

YOLLUK İZİ
GATE MARK

Order No.: L kb mm L1 ab mm D mk mm D1 kç mm D2 bç mm D3 bç mm H bç mm H1 bç mm

ASMM	ASMM-12-ST	20	45-95	10	27	20	22	3,9	10,7
	ASMM-15-ST	20	45-95	12	30	23	25	3,5	10,4
	ASMM-17-ST	20	45-95	14	32	25	27	3,5	10,4
	ASMM-19-ST	20	45-95	16	34	28	30	5	12,1

Table of Capacity

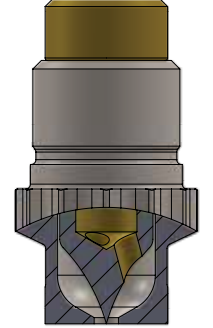
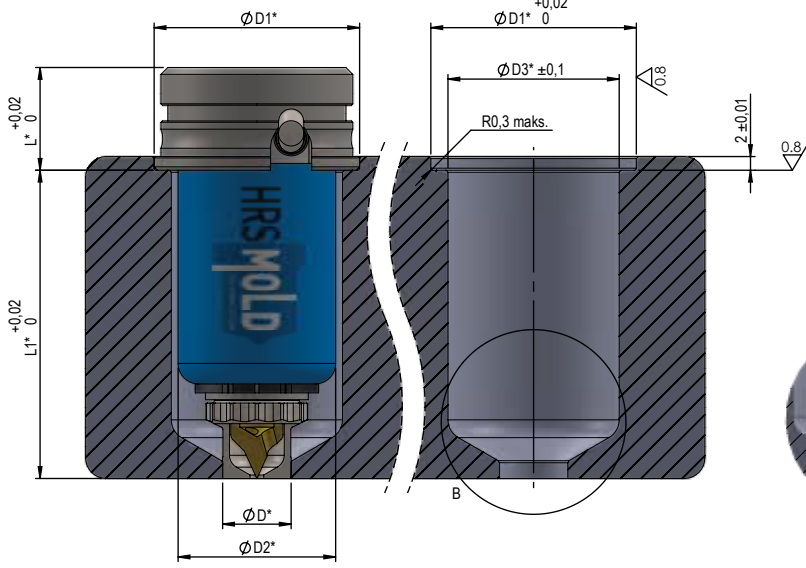
A Easy Filling	B Moderate Filling	C Difficul Filling
15gr	-	-
45gr	32gr	15gr
150gr	100gr	60gr
300gr	250gr	200gr


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**: Gate çapını internet sitemizdeki gate tablosundan kontrol ediniz.

Manifold altı uygulama / Multi cavity application

STANDART / NOZZLES

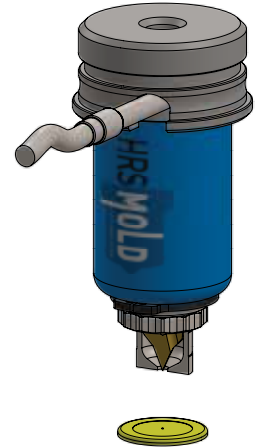
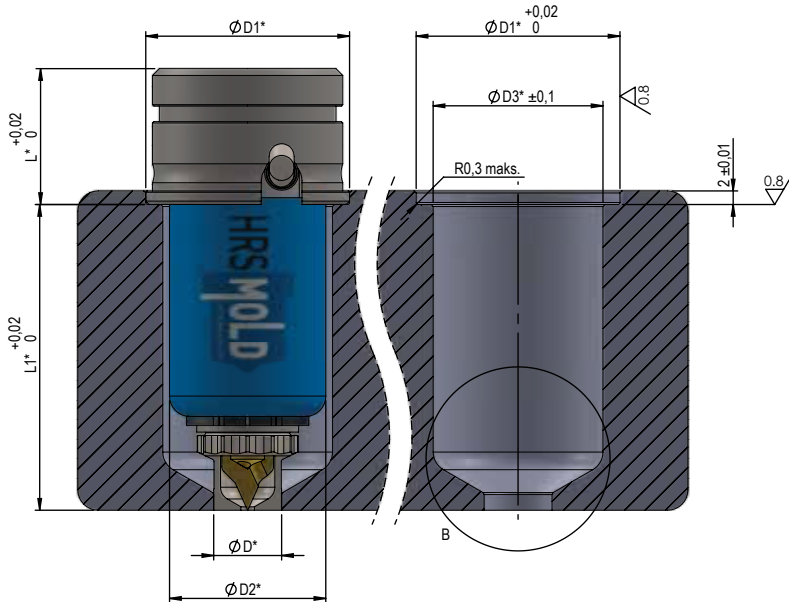
 MULTI MASTER DÜZ TİP
 FLAT TYPE


Order No.:	L kb mm	L1 ab mm	D mk mm	D1 kç mm	D2 bç mm	D3 bç mm	H bç mm	H1 bç mm
SMM-15-DT	15	45-95	10	30	23	25	2,3	8,6
SMM-17-DT	15	45-95	12	32	25	27	2,3	8,6
SMM-19-DT	15	45-95	14	34	28	30	2,3	8,9
SMM-25-DT	20	65-115	18	43	35	37	4,5	12,2
SMM-32-DT	20	65-115	25	49	43	44	4,5	12,2

	A Easy Filling	B Moderate Filling	C Difficult Filling
45gr		32gr	155gr
150gr		100gr	60gr
300gr		250gr	200gr
1200gr		1000gr	800gr
4000gr		3500gr	3000gr

Tekli Ana Yolluk Uygulama / Single Cavity Application

STANDART / NOZZLES

 YOLLUK İZİ
 GATE MARK


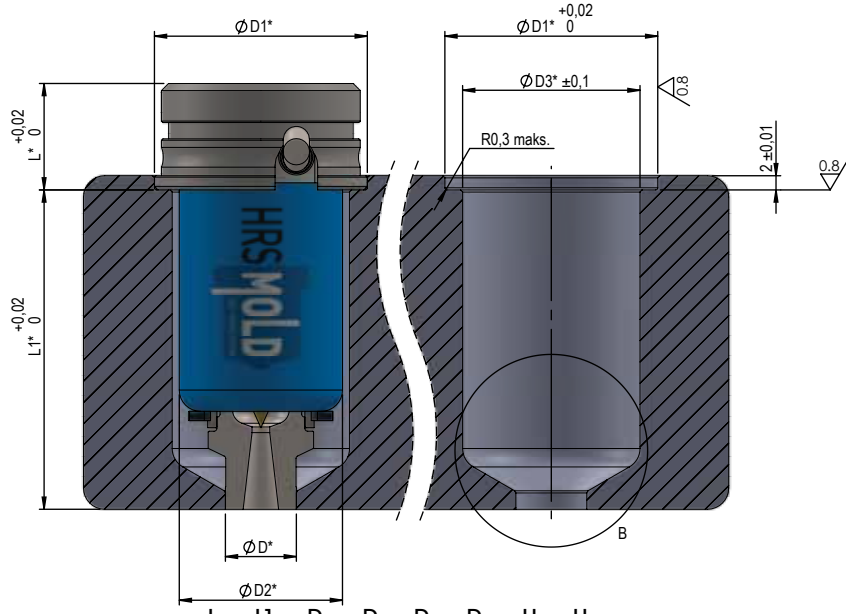
Order No.:	L kb mm	L1 ab mm	D mk mm	D1 kç mm	D2 bç mm	D3 bç mm	H bç mm	H1 bç mm
ASMM-15-DT	20	45-95	10	30	23	25	2,3	8,6
ASMM-17-DT	20	45-95	10	30	23	25	2,3	8,6
ASMM-19-DT	20	45-95	10	30	23	25	2,3	8,9

	A Easy Filling	B Moderate Filling	C Difficult Filling
45gr		32gr	15gr
150gr		100gr	60gr
300gr		250gr	200gr

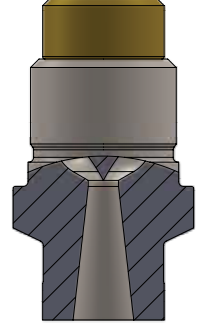
**: Gate çapını internet sitemizdeki gate tablosundan kontrol ediniz.



Manifold altı uygulama / Multi cavity application



STANDART / NOZZLES

MULTI MASTER YOLLUK TİP
RUNNER TYPE

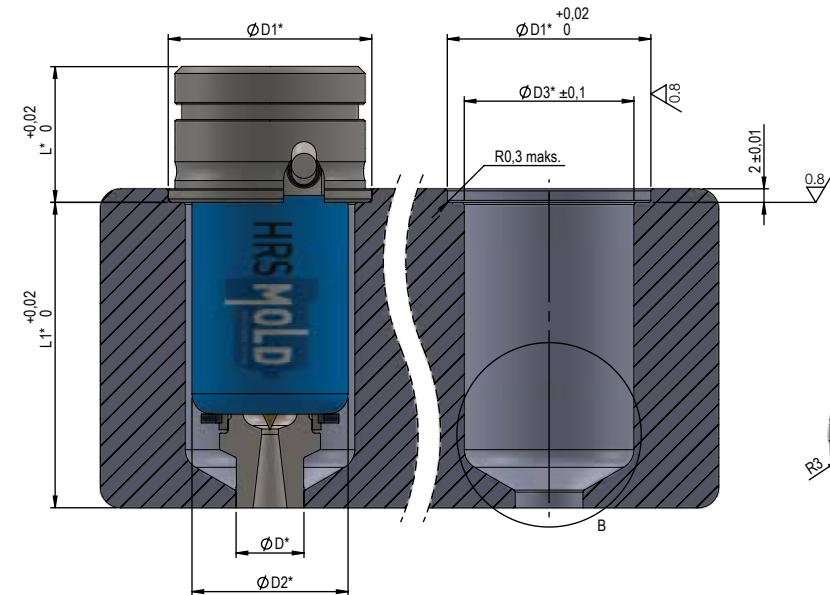
DETAY B

Order No.:	L kb mm	L1 ab mm	D mk mm	D1 kç mm	D2 bç mm	D3 bç mm	H bç mm	H1 bç mm
SMM-15-YT	15	45-95	10	30	23	25	2,3	8,6
SMM-17-YT	15	45-95	12	32	25	27	2,3	8,6
SMM-19-YT	15	45-95	14	34	28	30	2,3	8,9
SMM-25-YT	20	65-115	18	43	35	37	4,5	12,2
SMM-32-YT	20	65-115	25	49	43	44	4,5	12,2

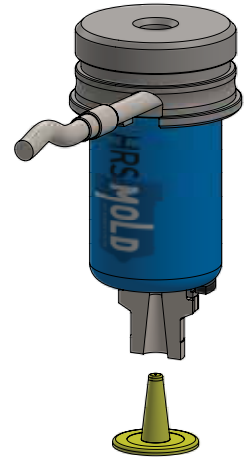
Table of Capacity

A Easy Filling	B Moderate Filling	C Difficult Filling
45gr	32gr	15gr
150gr	100gr	60gr
300gr	250gr	200gr
1200gr	1000gr	800gr
4000gr	3500gr	3000gr

Tekli Ana Yolluk Uygulama / Single Cavity Application



STANDART / NOZZLES

YOLLUK İZİ
GATE MARK

DETAY B

Order No.:	L kb mm	L1 ab mm	D mk mm	D1 kç mm	D2 bç mm	D3 bç mm	H bç mm	H1 bç mm
ASMM-15-YT	20	45-95	10	30	23	25	2,3	8,6
ASMM-17-YT	20	45-95	12	32	25	27	2,3	8,6
ASMM-19-YT	20	45-95	14	34	28	30	2,3	8,9

Table of Capacity

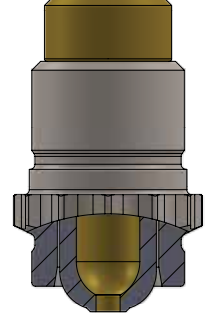
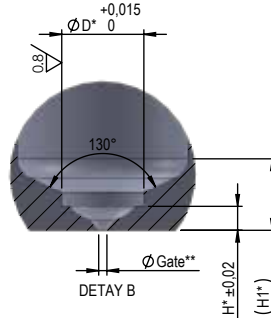
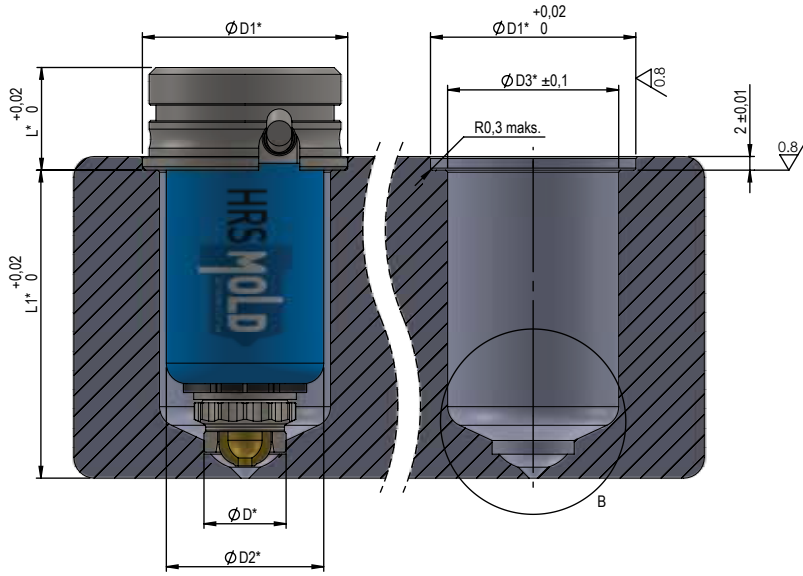
A Easy Filling	B Moderate Filling	C Difficult Filling
45gr	32gr	15gr
150gr	100gr	60gr
300gr	250gr	200gr


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**: Gate çapını internet sitemizdeki gate tablosundan kontrol ediniz.

Manifold altı uygulama / Multi cavity application

STANDART / NOZZLES

 MULTI MASTER PÜSKÜRTME TİP
 SPRAY TYPE


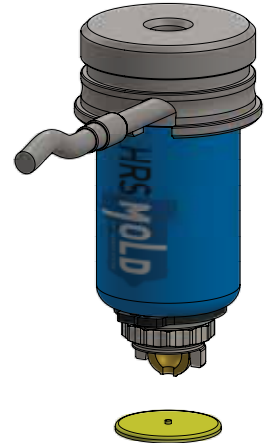
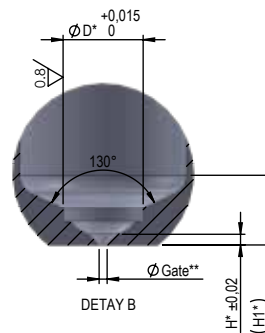
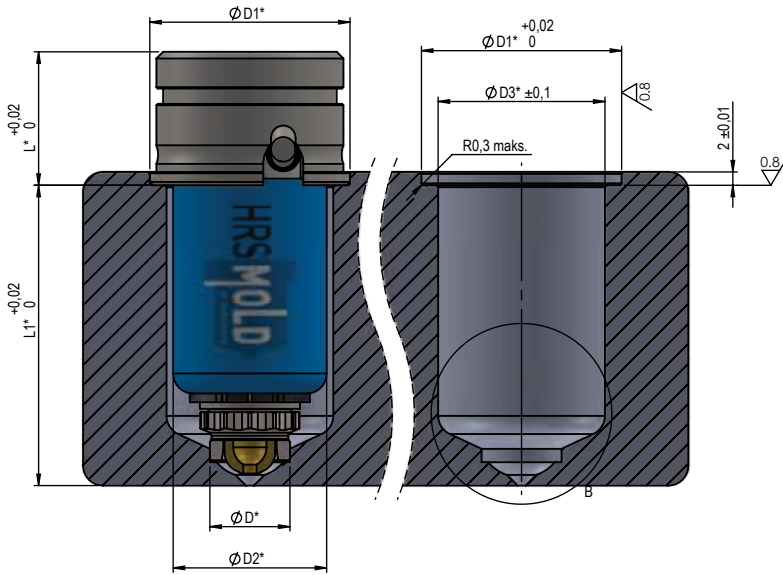
Order No.:	L kb mm	L1 ab mm	D mk mm	D1 kç mm	D2 bç mm	D3 bç mm	H bç mm	H1 bç mm
SMM-12-PT	15	45-95	10	27	20	22	3,9	10,7
SMM-15-PT	15	45-95	12	30	23	25	3,5	10,4
SMM-17-PT	15	45-95	14	32	25	27	3,5	10,4
SMM-19-PT	15	45-95	16	34	28	30	5	12,1

Table of Capacity

A Easy Filling	B Moderate Filling	C Difficult Filling
15gr	-	-
45gr	32gr	15gr
150gr	100gr	60gr
300gr	250gr	200gr

Tekli Ana Yolluk Uygulama / Single Cavity Application

STANDART / NOZZLES

 YOLLUK İZİ
 GATE MARK


Order No.:	L kb mm	L1 ab mm	D mk mm	D1 kç mm	D2 bç mm	D3 bç mm	H bç mm	H1 bç mm
ASMM-12-PT	20	45-95	10	27	20	22	3,9	10,7
ASMM-15-PT	20	45-95	12	30	23	25	3,5	10,4
ASMM-17-PT	20	45-95	14	32	25	27	3,5	10,4
ASMM-19-PT	20	45-95	16	34	28	30	5	12,1

Table of Capacity

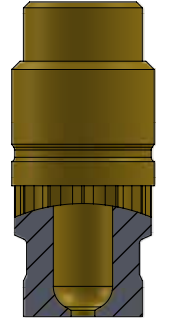
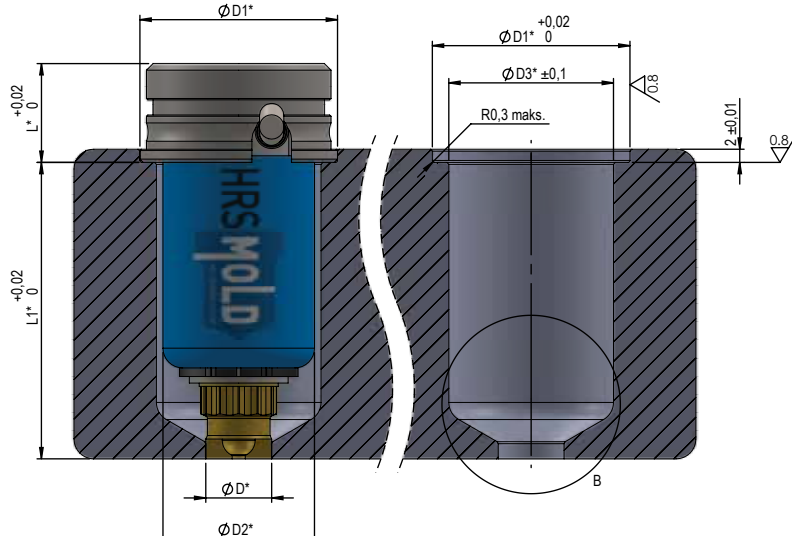
A Easy Filling	B Moderate Filling	C Difficult Filling
15gr	-	-
45gr	32gr	15gr
150gr	100gr	60gr
300gr	250gr	200gr

**: Gate çapını internet sitemizdeki gate tablosundan kontrol ediniz.



Manifold altı uygulama / Multi cavity application

STANDART / NOZZLES

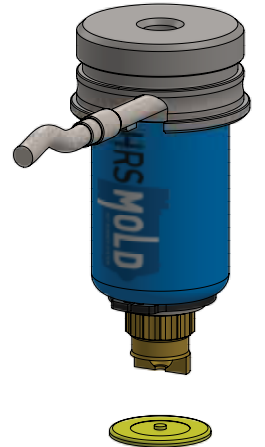
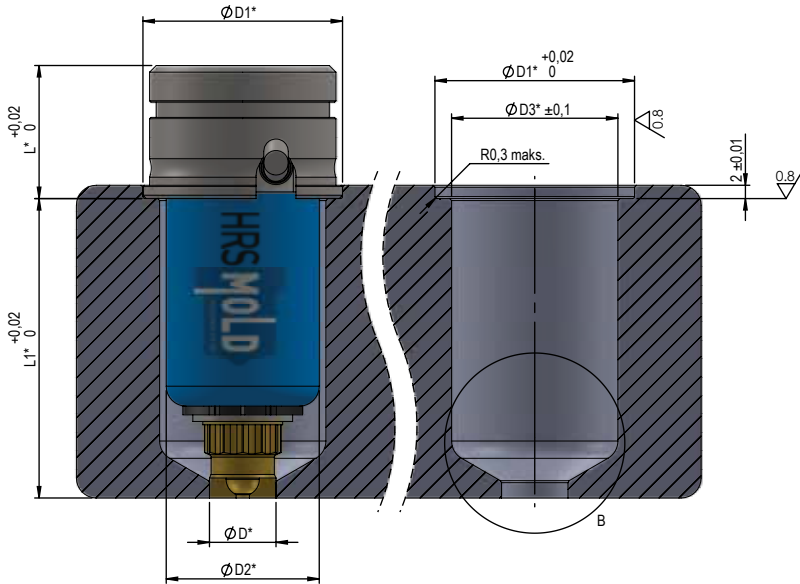
MOLDMAX DÜZ TIP
 MOLDMAX FLAX TYPE


Order No.:	L kb mm	L1 ab mm	D mk mm	D1 kç mm	D2 bç mm	D3 bç mm	H bç mm	H1 bç mm
SMM-12-PT	15	45-95	8	27	20	22	2,3	8,3
SMM-15-PT	15	45-95	10	30	23	25	2,3	8,6
SMM-17-PT	15	45-95	12	32	25	27	2,3	8,6
SMM-19-PT	15	45-95	14	34	28	30	2,3	8,9
SMM-17-PT	20	65-115	18	43	35	37	4,5	12,2
SMM-19-PT	20	65-115	25	49	43	44	4,5	12,2

	A Easy Filling	B Moderate Filling	C Difficult Filling
15gr	-	-	-
45gr	-	32gr	15gr
150gr	-	100gr	60gr
300gr	-	250gr	200gr
1200gr	-	1000gr	800gr
4000gr	-	3500gr	3000gr

Tekli Ana Yolluk Uygulama / Single Cavity Application

STANDART / NOZZLES

YOLLUK İZİ
 GATE MARK


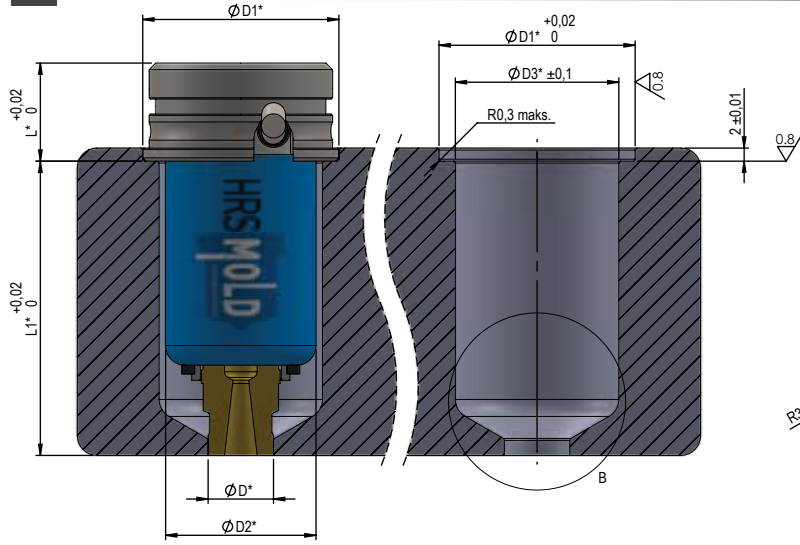
Order No.:	L kb mm	L1 ab mm	D mk mm	D1 kç mm	D2 bç mm	D3 bç mm	H bç mm	H1 bç mm
ASMM-12-BDT	15	45-95	8	27	20	22	2,3	8,3
ASMM-15-BDT	20	45-95	10	30	23	25	2,3	8,6
ASMM-17-BDT	20	45-95	12	32	25	27	2,3	8,6
ASMM-19-BDT	20	45-95	14	34	28	30	2,3	8,9

	A Easy Filling	B Moderate Filling	C Difficult Filling
15gr	-	-	-
45gr	-	32gr	15gr
150gr	-	100gr	60gr
300gr	-	250gr	200gr

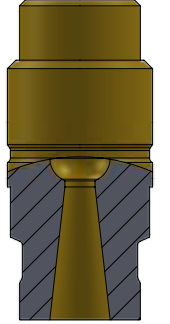

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**: Gate çapını internet sitemizdeki gate tablosundan kontrol ediniz.

Manifold altı uygulama / Multi cavity application



STANDART / NOZZLES

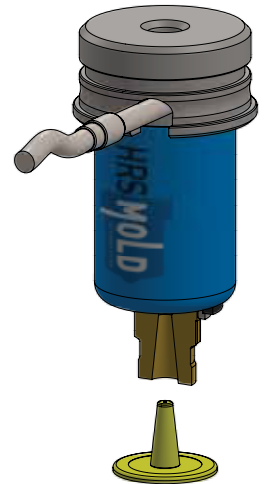
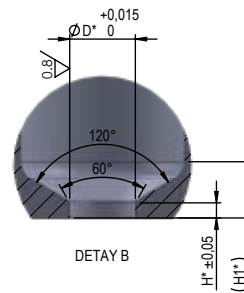
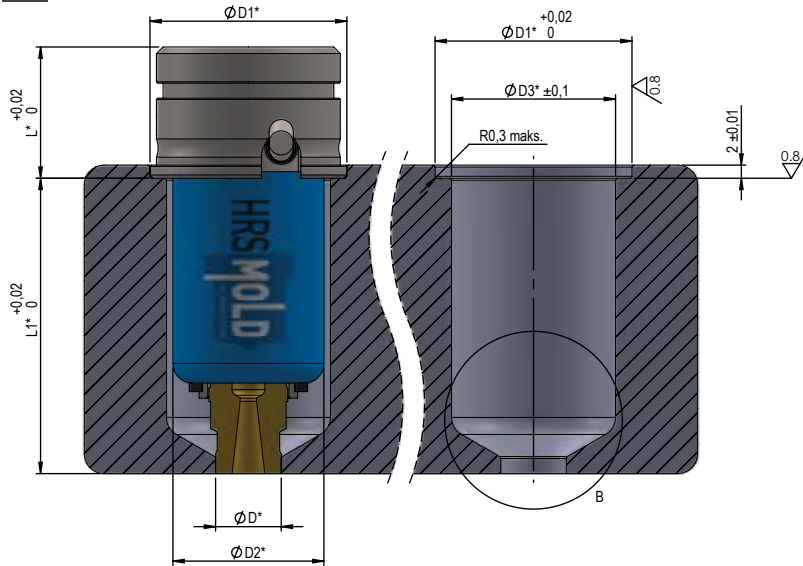
 MOLDMAX YOLLUK TIP
 MOLDMAX RUNNER TYPE


Order No.:	L kb mm	L1 ab mm	D mk mm	D1 kç mm	D2 bç mm	D3 bç mm	H bç mm	H1 bç mm
SMM-12-BYT	15	45-95	8	27	20	22	2,3	8,3
SMM-15-BYT	15	45-95	10	30	23	25	2,3	8,6
SMM-17-BYT	15	45-95	12	32	25	27	2,3	8,6
SMM-19-BYT	15	45-95	14	34	28	30	2,3	8,9
SMM-25-BYT	20	65-115	18	43	35	37	4,5	12,2
SMM-32-BYT	20	65-115	25	49	43	44	4,5	12,2

	A Easy Filling	B Moderate Filling	C Difficult Filling
15gr	-	-	-
45gr	32gr	15gr	-
150gr	100gr	60gr	-
300gr	250gr	200gr	-
1200gr	1000gr	800gr	-
4000gr	3500gr	3000gr	-

Tekli Ana Yolluk Uygulama / Single Cavity Application

STANDART / NOZZLES

 YOLLUK İZİ
 GATE MARK


Order No.:	L kb mm	L1 ab mm	D mk mm	D1 kç mm	D2 bç mm	D3 bç mm	H bç mm	H1 bç mm
ASMM-12-BYT	15	45-95	8	27	20	22	2,3	8,3
ASMM-15-BYT	20	45-95	10	30	23	25	2,3	8,6
ASMM-17-BYT	20	45-95	12	32	25	27	2,3	8,6
ASMM-19-BYT	20	45-95	14	34	28	30	2,3	8,9

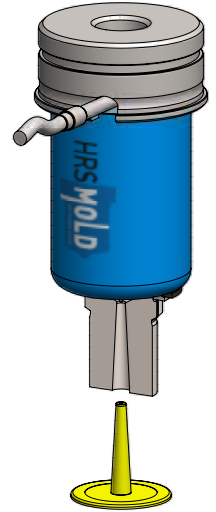
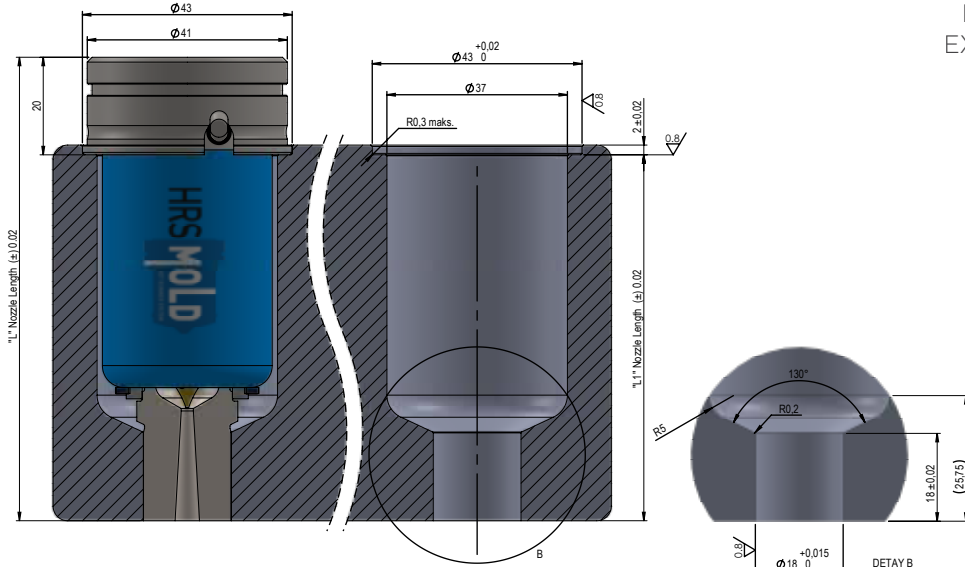
	A Easy Filling	B Moderate Filling	C Difficult Filling
15gr	-	-	-
45gr	32gr	15gr	-
150gr	100gr	60gr	-
300gr	250gr	200gr	-

**: Gate çapını internet sitemizdeki gate tablosundan kontrol ediniz.



Manifold altı / Single Application

STANDART / NOZZLES

 MANİFOLD ALTI UYGULAMA
 EXTRA EXTEND RUNNER TYPE


Ø Gate 2,5mm -4mm

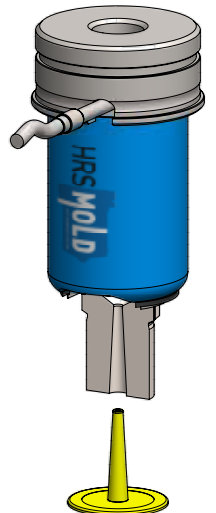
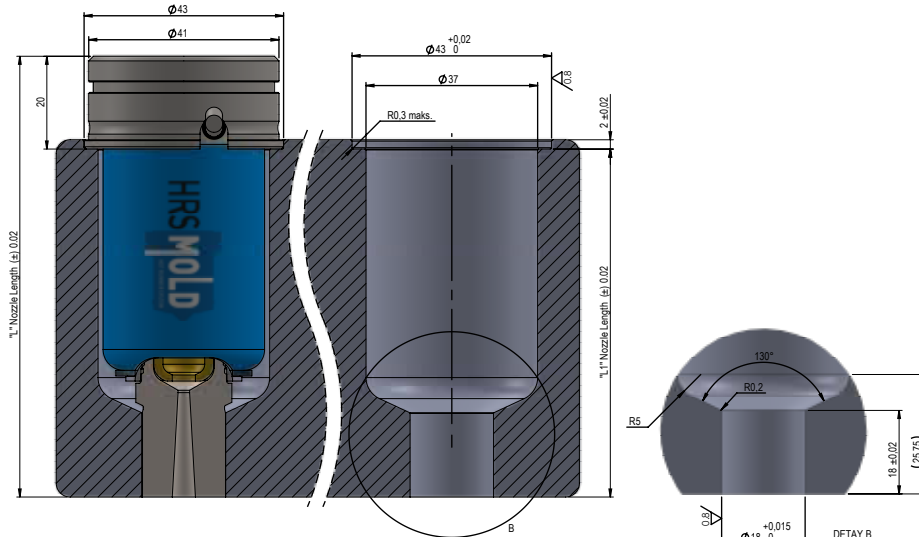
Table Of Capacity

A	B	C
Easy Filling	Moderate Filling	Difficuld Filling
1200 _{Gr}	1000 _{Gr}	800 _{Gr}

SERI	L ab mm	L1 kb mm	Heaters Watt / 230v	Order No
MULTI MASTER	95	75	450 wtt	SMM-25-75-EYT
MULTI MASTER	105	85	500 wtt	SMM-25-85-EYT
MULTI MASTER	115	95	550 wtt	SMM-25-95-EYT
MULTI MASTER	125	105	600 wtt	SMM-25-105-EYT
MULTI MASTER	135	115	700 wtt	SMM-25-115-EYT
MULTI MASTER	145	125	850 wtt	SMM-25-125-EYT

Manifold altı / Single Application

STANDART / NOZZLES

 YOLLUK İZİ
 GATE MARK


Ø Gate 2,5mm -4mm

Table Of Capacity

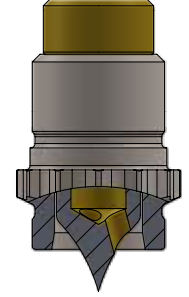
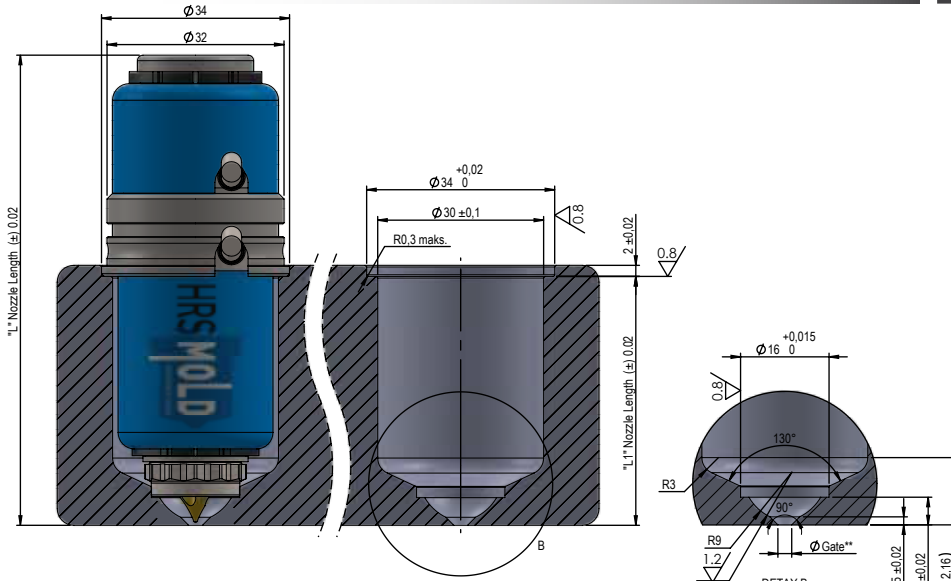
A	B	C
Easy Filling	Moderate Filling	Difficuld Filling
1200 _{Gr}	1000 _{Gr}	800 _{Gr}

SERI	L ab mm	L1 kb mm	Heaters Watt / 230v	Order No
MULTI MASTER	95	75	450 wtt	SMM-25-75-EPT
MULTI MASTER	105	85	500 wtt	SMM-25-85-EPT
MULTI MASTER	115	95	550 wtt	SMM-25-95-EPT
MULTI MASTER	125	105	600 wtt	SMM-25-105-EPT
MULTI MASTER	135	115	700 wtt	SMM-25-115-EPT
MULTI MASTER	145	125	850 wtt	SMM-25-125-EPT



MULTI MASTER X2 SIVRI TİP / X2 HEATERS PIN POINT TIP

STANDART / NOZZLES

ANA YOLLUK MEMESİ
SINGLE NOZZLE

Ø Gate 1,5mm - 3mm

Table Of Capacity

A	B	C
Easy Filling	Moderate Filling	Difficult Filling
300Gr	250Gr	200Gr

SERİ

L
ab
mmL1
kb
mmHeaters
Watt / 230v

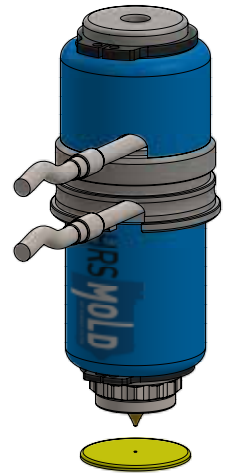
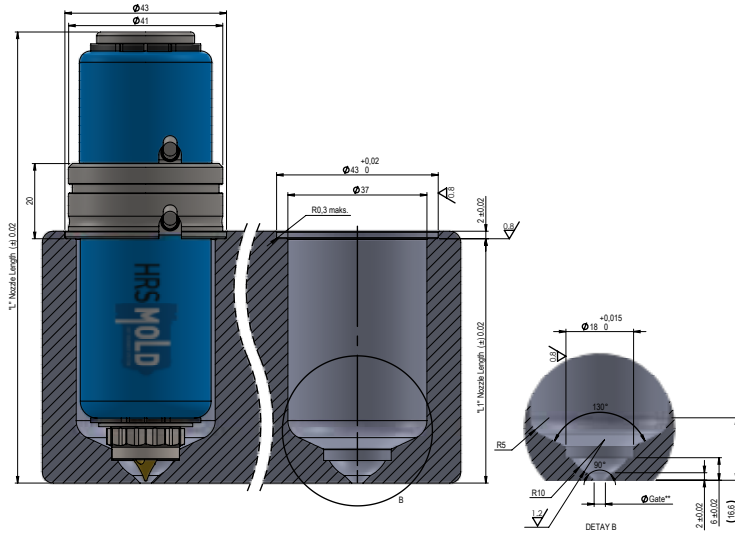
Order No

2X-SMM-19-ST

MULTI MASTER	85	45	300 wtt	2X-SMM-19-45-ST
MULTI MASTER	95	55	350 wtt	2X-SMM-19-55-ST
MULTI MASTER	105	65	400 wtt	2X-SMM-19-65-ST
MULTI MASTER	115	75	450 wtt	2X-SMM-19-75-ST
MULTI MASTER	125	85	500 wtt	2X-SMM-19-85-ST
MULTI MASTER	135	95	550 wtt	2X-SMM-19-95-ST

MULTI MASTER X2 SIVRI TİP / X2 HEATERS PIN POINT TIP

STANDART / NOZZLES

YOLLUK İZİ
GATE MARK

Ø Gate 2,5mm - 4mm

Table Of Capacity

A	B	C
Easy Filling	Moderate Filling	Difficult Filling
1200Gr	1000Gr	800Gr

SERİ

L
ab
mmL1
kb
mmHeaters
Watt / 230v

Order No

2X-SMM-25-ST

MULTI MASTER	120	65	450 wtt	2X-SMM-25-45-ST
MULTI MASTER	130	75	500 wtt	2X-SMM-25-55-ST
MULTI MASTER	140	85	550 wtt	2X-SMM-25-65-ST
MULTI MASTER	150	95	600 wtt	2X-SMM-25-75-ST
MULTI MASTER	160	105	700 wtt	2X-SMM-25-85-ST
MULTI MASTER	170	115	850 wtt	2X-SMM-25-95-ST

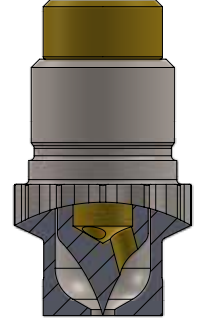
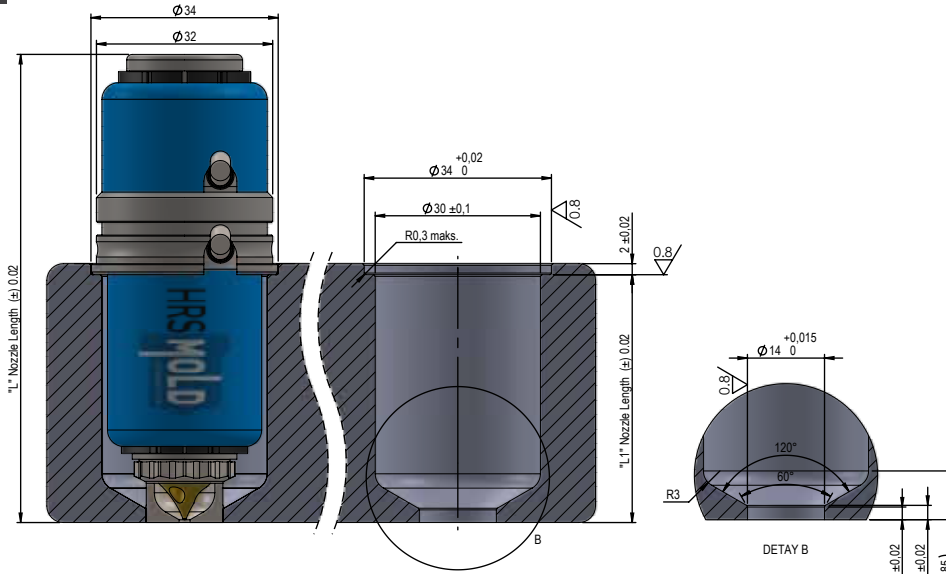


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MULTI MASTER X2 DÜZ TİP / X2 HEATERS PIN FLAT TIP

STANDART / NOZZLES

 ANA YOLLUK MEMESİ
 SINGLE NOZZLE


Ø Gate 1,5mm - 3mm

Table Of Capacity

A	B	C
Easy Filling	Moderate Filling	Difficuld Filling
300 _{Gr}	250 _{Gr}	200 _{Gr}

SERİ

 L
ab
mm

 L1
kb
mm

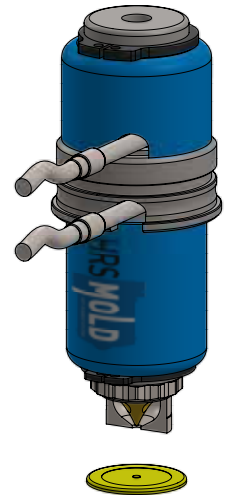
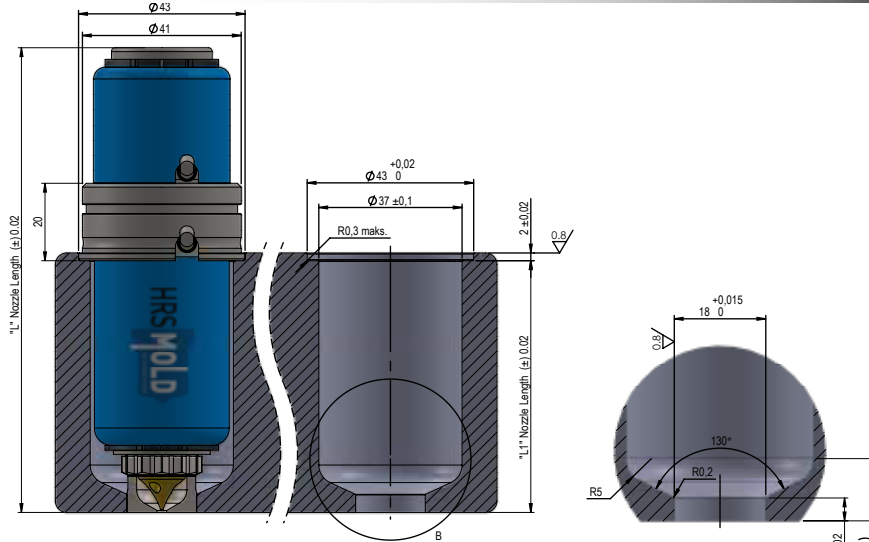
 Heaters
Watt / 230v

Order No

2X-SMM-19-DT	MULTI MASTER	85	45	300 wtt	2X-SMM-19-45-DT
	MULTI MASTER	95	55	350 wtt	2X-SMM-19-55-DT
	MULTI MASTER	105	65	400 wtt	2X-SMM-19-65-DT
	MULTI MASTER	115	75	450 wtt	2X-SMM-19-75-DT
	MULTI MASTER	125	85	500 wtt	2X-SMM-19-85-DT
	MULTI MASTER	135	95	550 wtt	2X-SMM-19-95-DT

MULTI MASTER X2 DÜZ TİP / X2 HEATERS PIN FLAT TIP

STANDART / NOZZLES

 YOLLUK İZİ
 GATE MARK


Ø Gate 2,5mm - 4mm

Table Of Capacity

A	B	C
Easy Filling	Moderate Filling	Difficuld Filling
1200 _{Gr}	1000 _{Gr}	800 _{Gr}

SERİ

 L
ab
mm

 L1
kb
mm

 Heaters
Watt / 230v

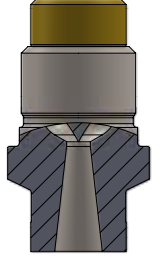
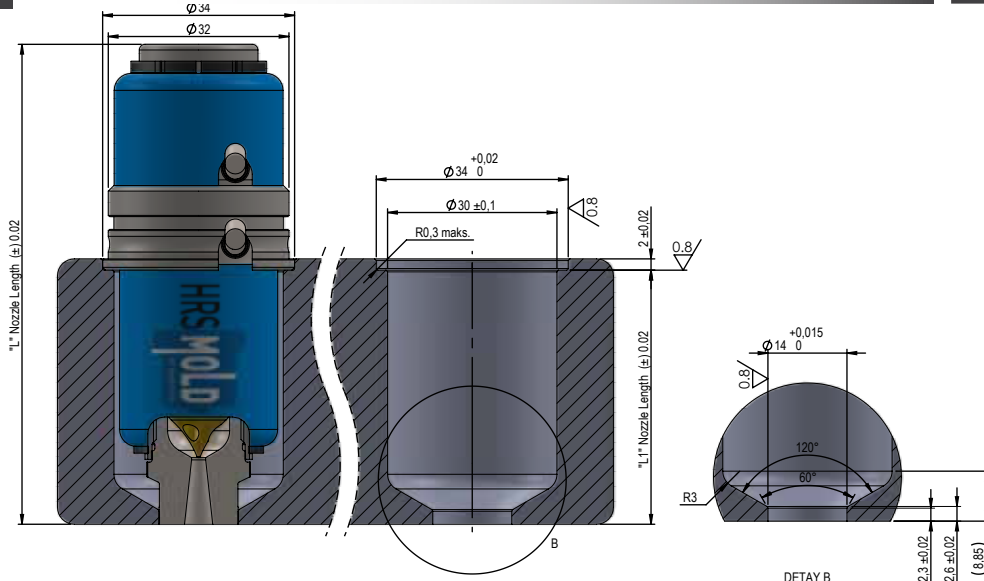
Order No

2X-SMM-25-DT	MULTI MASTER	120	65	450 wtt	2X-SMM-25-45-DT
	MULTI MASTER	130	75	500 wtt	2X-SMM-25-55-DT
	MULTI MASTER	140	85	550 wtt	2X-SMM-25-65-DT
	MULTI MASTER	150	95	600 wtt	2X-SMM-25-75-DT
	MULTI MASTER	160	105	700 wtt	2X-SMM-25-85-DT
	MULTI MASTER	170	115	850 wtt	2X-SMM-25-95-DT



MULTI MASTER X2 YOLLUK TİP / X2 HEATERS PIN RUNNER TIP

STANDART / NOZZLES

ANA YOLLUK MEMESİ
SINGLE NOZZLE

Ø Gate 1,5mm - 3mm

Table Of Capacity

A	B	C
Easy Filling	Moderate Filling	Difficuld Filling
300 _{Gr}	250 _{Gr}	200 _{Gr}

SERİ

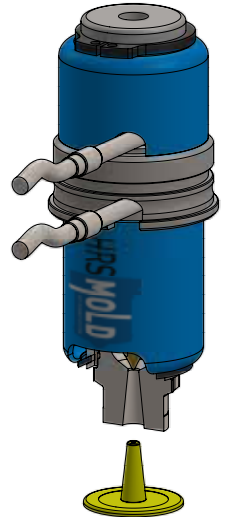
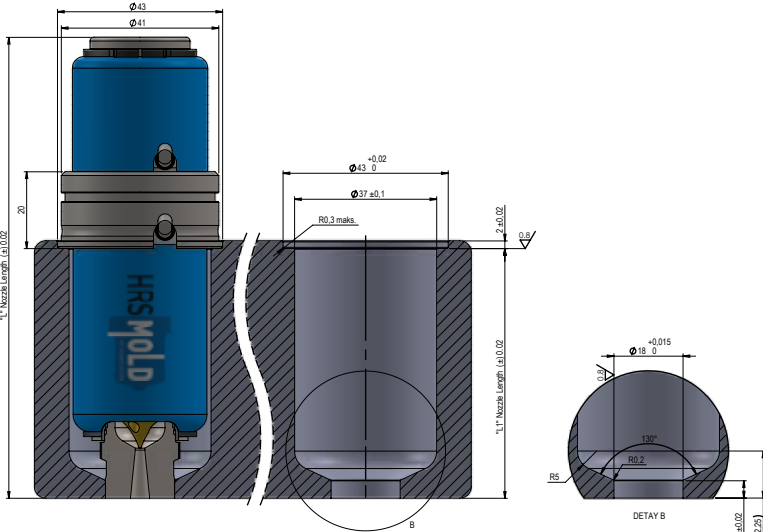
L
ab
mmL1
kb
mmHeaters
Watt / 230v

Order No

2X-SMM-19-YT	MULTI MASTER	85	45	300 wtt	2X-SMM-19-45-YT
	MULTI MASTER	95	55	350 wtt	2X-SMM-19-55-YT
	MULTI MASTER	105	65	400 wtt	2X-SMM-19-65-YT
	MULTI MASTER	115	75	450 wtt	2X-SMM-19-75-YT
	MULTI MASTER	125	85	500 wtt	2X-SMM-19-85-YT
	MULTI MASTER	135	95	550 wtt	2X-SMM-19-95-YT

MULTI MASTER X2 YOLLUK TİP / X2 HEATERS PIN RUNNER TIP

STANDART / NOZZLES

YOLLUK İZİ
GATE MARK

Ø Gate 2,5mm - 4mm

Table Of Capacity

A	B	C
Easy Filling	Moderate Filling	Difficuld Filling
1200 _{Gr}	1000 _{Gr}	800 _{Gr}

SERİ

L
ab
mmL1
kb
mmHeaters
Watt / 230v

Order No

2X-SMM-25-YT	MULTI MASTER	120	65	450 wtt	2X-SMM-25-45-YT
	MULTI MASTER	130	75	500 wtt	2X-SMM-25-55-YT
	MULTI MASTER	140	85	550 wtt	2X-SMM-25-65-YT
	MULTI MASTER	150	95	600 wtt	2X-SMM-25-75-YT
	MULTI MASTER	160	105	700 wtt	2X-SMM-25-85-YT
	MULTI MASTER	170	115	850 wtt	2X-SMM-25-95-YT



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STANDART MULTI POINT NOZZLES SERİ

STANDART NOZZLES

 Manifold altı ve Ana Yolluk Uygulama
 Single and Multi Application


NOZUL	D ₁ kc mm	D ₂ bc mm	D ₃ ac mm	D ₄ nc mm	D ₅ yc mm	L tb mm	L ₁ ab mm
SMP-16	50	41	16	10	42	45-95	22
SMP-22	56	47	22	10	48	45-95	22
SMP-28	62	53	28	12	54	45-95	22
SMP-34	68	59	34	12	60	45-95	22
SMP-40	74	66	40	14	67	45-95	22

Not: Tablodaki bütün ölçüler mm cinsinden verilmiştir.

*D1 sütunundaki ölçüler multimeme kafa çapıdır.

*D2 sütunundaki ölçüler multimemenin gövde çapıdır.

*D3 sütunundaki ölçüler multimemenin uçların anma çapıdır.

*D4 sütunundaki ölçüler bu yüzeyin kalıpla temas ettiği malkesme çapıdır.

*D5 sütunundaki ölçüler multimemenin kalıp yuvasından geçecek olan çapıdır.

 YOLLUK İZİ
 GATE MARK

P1



P2



P3



P4



P5



P6



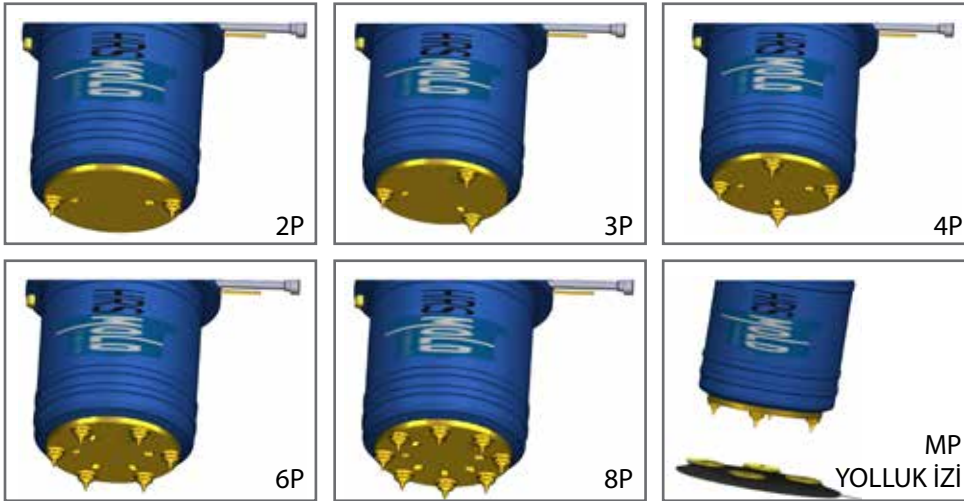
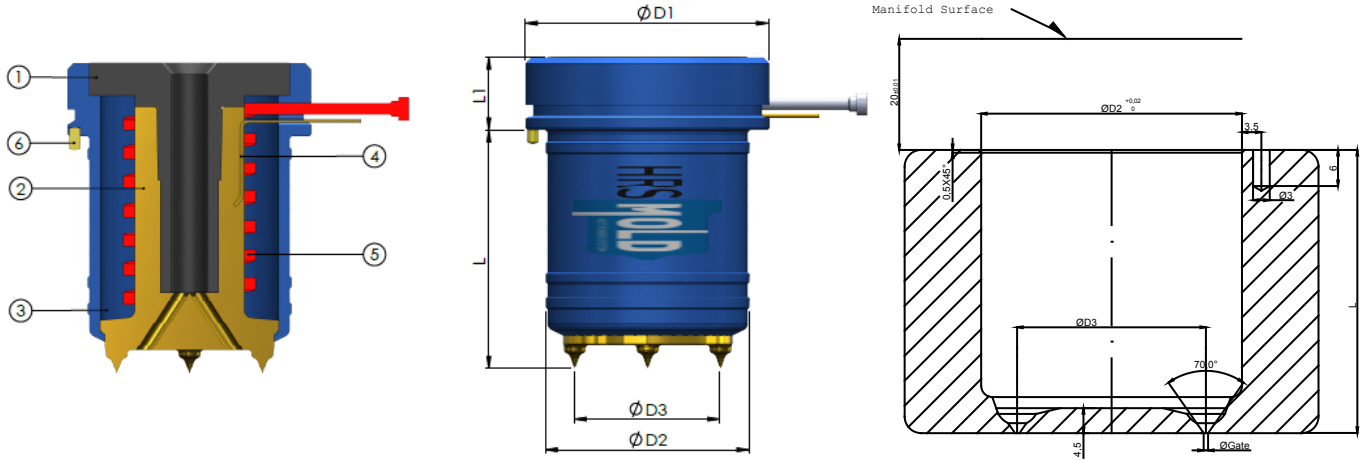
SMP	D ₃	P
SMP-16	34	1,2,3
SMP-22	34	1,2,3,4
SMP-28	34	1,2,3,4
SMP-34	34	1,2,3,4,5,6
SMP-40	34	1,2,3,4,5,6

Multi memelerde çıkış sayıları multimeme için belirlenecek olan ve uçlardan geçen bölüm daire çapına bağlı olarak belirlenir. Multimeme standartlarında bir gövdenin üzerinde P1 ile P6 arasında üretim yapılmaktadır.



STANDART MULTI POINT NOZZLES SERİ

STANDART / NOZZLES

Manifold altı ve Ana Yolluk Uygulama
Single and Multi Application

- 1: Nozzle gövde / Nozzle body
 2: Moldmax veya carbide uç / Moldmax or hardmetal tip
 3: Rezistans koruma kovani / Coil heater cover
 4: J tipi termocouple / J typ thermocouple
 5: Spiral rezistans / Coil heater
 6: Merkezleme pimi / centring pin
 0 Gate 0,6mm - 1,5mm

NOZUL													
	D ₁ ic mm	D ₂ ic mm	D ₃ ic mm	L ab mm	L ₁ kb mm	M _p ka uç adet		Kp ₁ Kılay gr	Kp ₂ Orta gr	Kp ₃ Zor gr			
ØD3=16	SMP-A	34	28	16	XX	20	2		30	25	10	SMP-16-XX-A-P2	
	SMP-A	34	28	16	XX	20	3		30	25	10	SMP-16-XX-A-P3	
	SMP-A	34	28	16	XX	20	4		30	25	10	SMP-16-XX-A-P4	
ØD3=22	SMP-A	39		32	22	XX	20	2		60	50	20	SMP-22-XX-A-P2
	SMP-A	39		32	22	XX	20	3		60	50	20	SMP-22-XX-A-P3
	SMP-A	39		32	22	XX	20	4		60	50	20	SMP-22-XX-A-P4
ØD3=28	SMP-A	49	41	28	XX	20	2		140	120	55	SMP-28-XX-A-P2	
	SMP-A	49	41	28	XX	20	3		140	120	55	SMP-28-XX-A-P3	
	SMP-A	49	41	28	XX	20	4		140	120	55	SMP-28-XX-A-P4	
	SMP-A	49	41	28	XX	20	6		140	120	55	SMP-28-XX-A-P6	
ØD3=34	SMP-A	59		47	34	XX	20	2		200	170	100	SMP-34-XX-A-P2
	SMP-A	59		47	34	XX	20	3		200	170	100	SMP-34-XX-A-P3
	SMP-A	59		47	34	XX	20	4		200	170	100	SMP-34-XX-A-P4
	SMP-A	59		47	34	XX	20	6		200	170	100	SMP-34-XX-A-P6
	SMP-A	59		47	34	XX	20	8		200	170	100	SMP-34-XX-A-P8

L
XX
mm

45

55

65

75

85

100

SMP-16-XX-A-P2
SMP-16-XX-A-P3
SMP-16-XX-A-P4
SMP-22-XX-A-P2
SMP-22-XX-A-P3
SMP-22-XX-A-P4
SMP-28-XX-A-P2
SMP-28-XX-A-P3
SMP-28-XX-A-P4
SMP-28-XX-A-P6
SMP-34-XX-A-P2
SMP-34-XX-A-P3
SMP-34-XX-A-P4
SMP-34-XX-A-P6
SMP-34-XX-A-P8

L
XX
mm

45

55

65

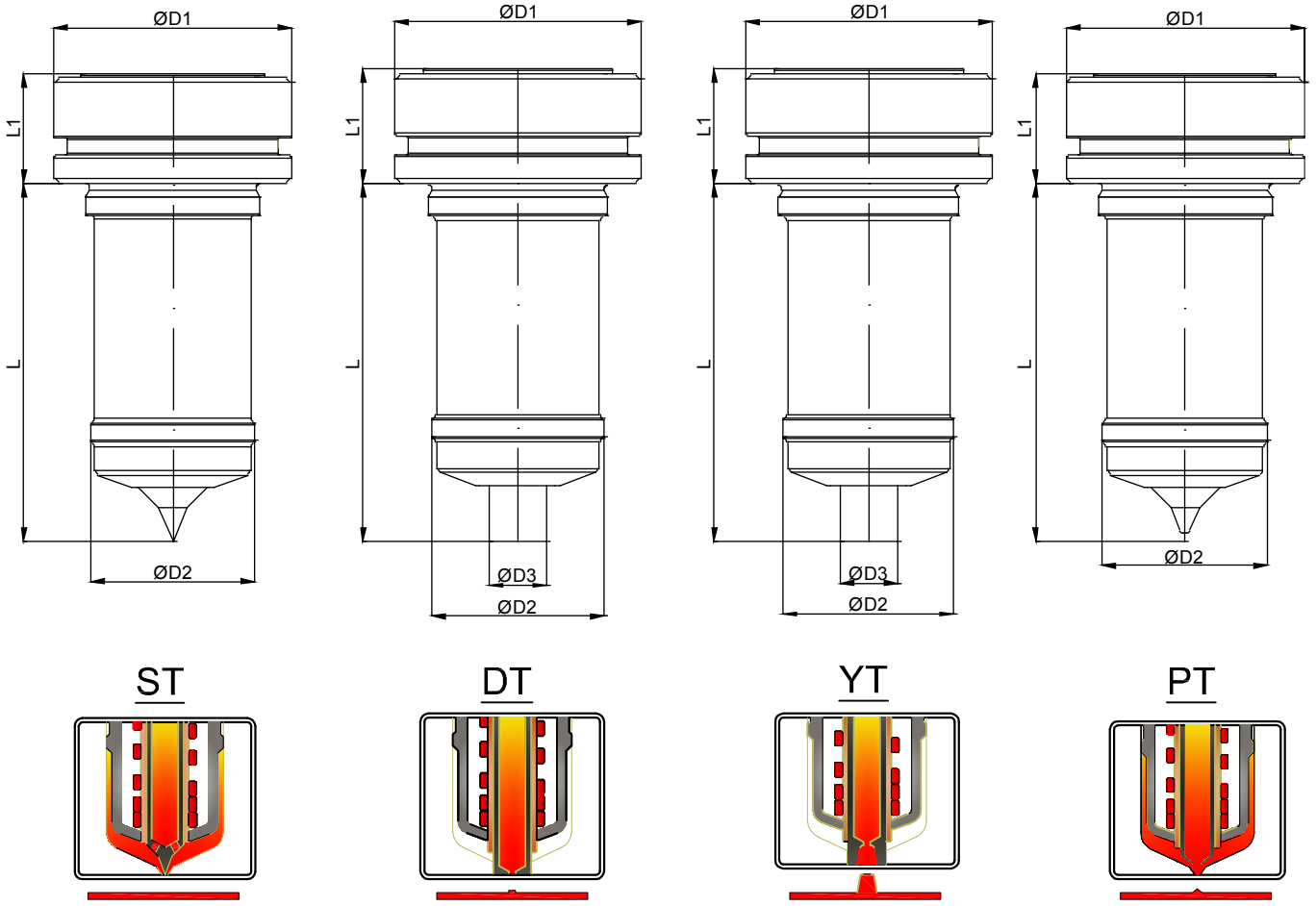
75

85

100



STANDART MONOBLOCK NOZZLES SERİ



NOZZLE	D ₁ kc mm	D ₂ bc mm	D ₃ uc mm	L ab mm	L ₁ kb mm	Kp ₁ Kolay gr	Kp ₂ Orta gr	Kp ₃ Zor gr
SMB-18-UT	26	18	6	45	13	25	15	12
SMB-18	26	18	6	55	13	25	15	12
SMB-18	26	18	6	65	13	25	15	12
SMB-18	26	18	6	75	13	25	15	12

NOZZLE	D ₁ kc mm	D ₂ bc mm	D ₃ uc mm	L ab mm	L ₁ kb mm	Kp ₁ Kolay gr	Kp ₂ Orta gr	Kp ₃ Zor gr
SMB-22	30	22	7	45	13	60	40	15
SMB-22	30	22	7	55	13	60	40	15
SMB-22	30	22	7	65	13	60	40	15
SMB-22	30	22	7	75	13	60	40	15
SMB-22	30	22	7	85	13	60	40	15

NOZZLE	D ₁ kc mm	D ₂ bc mm	D ₃ uc mm	L ab mm	L ₁ kb mm	Kp ₁ Kolay gr	Kp ₂ Orta gr	Kp ₃ Zor gr
SMB-25	32	25	8	45	13	200	100	60
SMB-25	32	25	8	55	13	200	100	60
SMB-25	32	25	8	65	13	200	100	60
SMB-25	32	25	8	75	13	200	100	60
SMB-25	32	25	8	85	13	200	100	60
SMB-25	32	25	8	100	13	200	100	60

NOZZLE	D ₁ kc mm	D ₂ bc mm	D ₃ uc mm	L ab mm	L ₁ kb mm	Kp ₁ Kolay gr	Kp ₂ Orta gr	Kp ₃ Zor gr
SMB-32	40	32	10	45	13	800	500	300
SMB-32	40	32	10	55	13	800	500	300
SMB-32	40	32	10	65	13	800	500	300
SMB-32	40	32	10	75	13	800	500	300
SMB-32	40	32	10	85	13	800	500	300
SMB-32	40	32	10	100	13	800	500	300

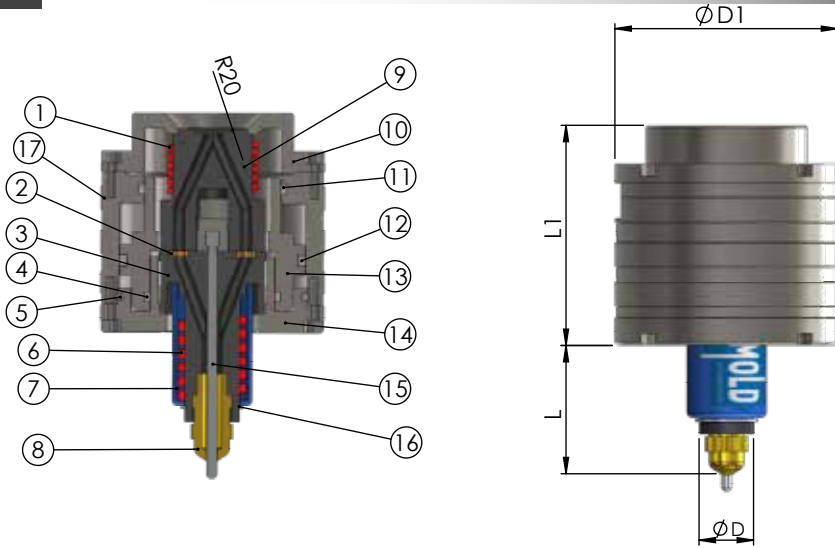
NOZZLE	D ₁ kc mm	D ₂ bc mm	D ₃ uc mm	L ab mm	L ₁ kb mm	Kp ₁ Kolay gr	Kp ₂ Orta gr	Kp ₃ Zor gr
SMB-40	50	40	14	45	20	2000	1200	800
SMB-40	50	40	14	55	20	2000	1200	800
SMB-40	50	40	14	65	20	2000	1200	800
SMB-40	50	40	14	75	20	2000	1200	800
SMB-40	50	40	14	85	20	2000	1200	800
SMB-40	50	40	14	115	20	2000	1200	800

- 1: Nozzle gövde / Nozzle body
- 2: Rezistans koruma kovani / Coil heater cover
- 3: J tipi thermocouple / J typ thermocouple
- 4: Spiral rezistans / Coil heater



STANDART SINGLE VALVE GATE NOZZLES

STANDART NOZZLES

Pistonlu ana yolluk
Single valve gate

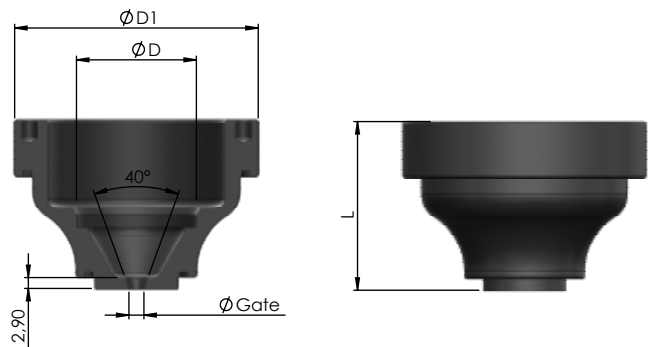
SVG NOZZLES	D kc mm	D1 bc mm	Lmin. ab mm	Lmax. ab mm	L1 kb mm	Kapasite / Gr Max. shot / Gr
SVG-22	22	90	55	170	87	300gr
SVG-32	32	105	75	190	97	1000gr
SVG-42	42	120	90	200	107	3500gr

Ana Yolluk Meme Bushing

STANDART NOZZLES

Ana Yolluk Meme Bushing
Bushing For Valve Gate Nozzle

SVG BUSHING	D kc mm	D1 bc mm	Lmin. ab mm	Ø Gate mm
SBVG-22	22	55	45	1,2 / 1,5 / 2
SBVG-32	32	65	45	2 / 3 / 4
SBVG-42	42	75	45	5 / 6 / 7



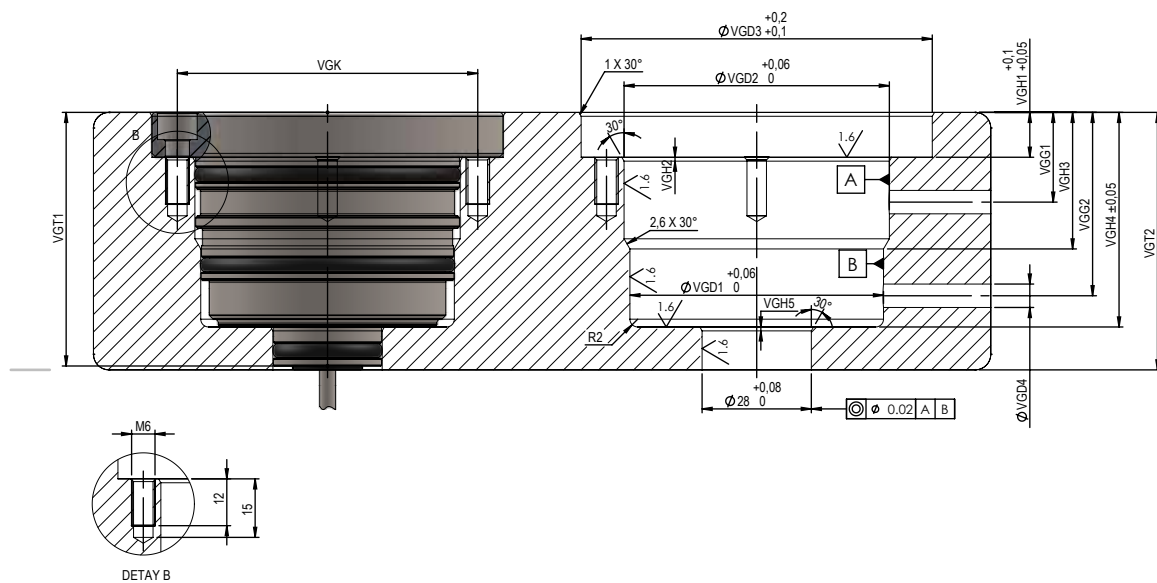
- 1: Gövde rezistans / Body heater
2: 2x Rondale / Ring
3: Nozzle gövde / Nozzle body
4: Viton oring / Viton ring
5: Viton oring / Viton ring
6: Spiral rezistans / Coil heater
7: Rezistans koruma / Coil heater cover
8: Moldmax uç / Moldmax nozzle tip
9: Gövde / Body

- 10: Üst kapak / Top cover
11: Viton oring / Viton ring
12: Viton oring / Viton ring
13: Piston / Piston
14: Alt kapak / Bottom cover
15: Valf gate pim / Valve gate pin
16: Segman / Steel circlip
17: Piston yuvası / Housing



VALVE GATE APPLICATION

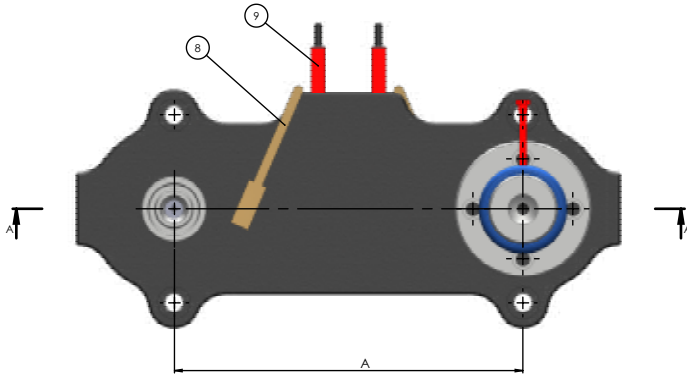
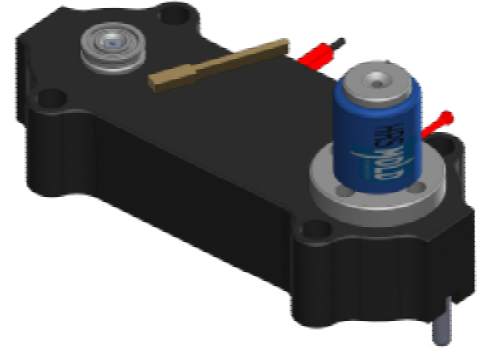
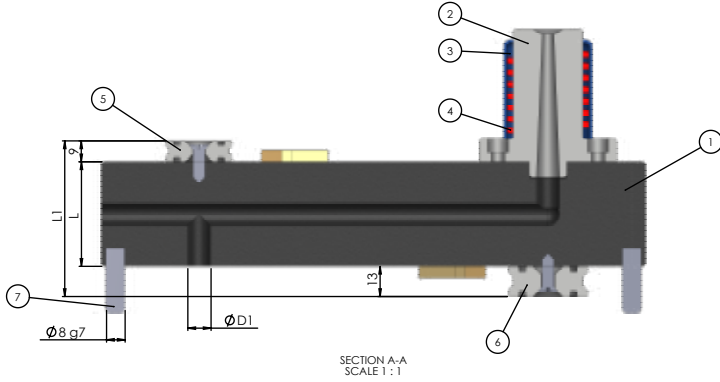
STANDART / CYLINDER



VG SERI	VGD1	VGD2	VGD3	VGD4	VGH1	VGH2	VGH3	VGH4	VGH5	VGG1	VGG2	VGK	VGT1	VGT2
VG-40	55	58	80	6	10	1	32	50	1	20	42	67	61	65
VG-50	65	68	90	6	11.5	1	35	55	1	22.5	47	77	66	70
VG-60	75	78	100	7	11.5	1.5	37	58	2	23	50	87	71	75
VG-70	85	88	110	7	11.5	1.5	37	58	2	23	50	97	71	75

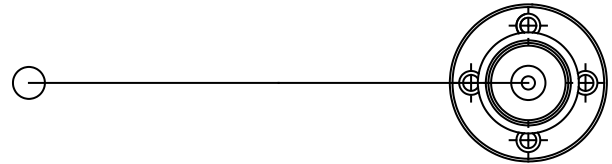


I 1 TYPE MANIFOLD



A	50	100	130	150	160	180	200	220	240	250	260	280	300	960
	min													max
D1	5	6	7	8	9	10	13							
L	45													
L1	67													

- 1: Manifold / Manifold
 2: Feder / Feder
 3: Feder rezistans koruyucu / Feder heater cover
 4: Feder rezistans / Feder heater
 5: IX Stoplama diski / Stopper pad
 6: Göbek diski / Under pad
 7: 2x Merkezleme pimi / 2x Dowel pin
 8: 2x J tipi Thermcuple / 2x J typ Thermcuple
 9: 6x6 kare rezistans 1 6x6 square heaters



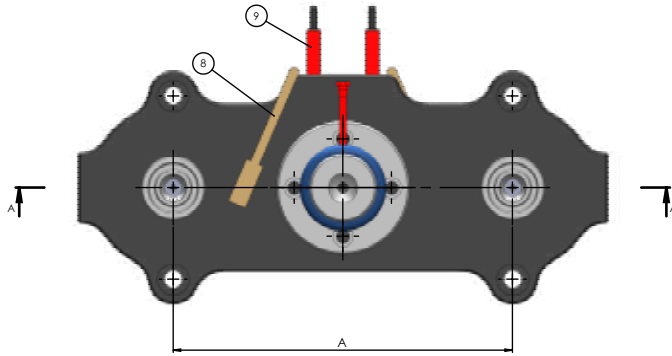
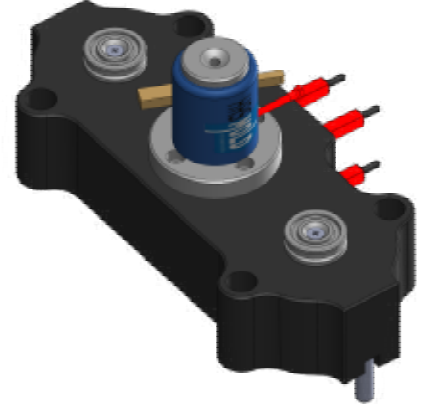
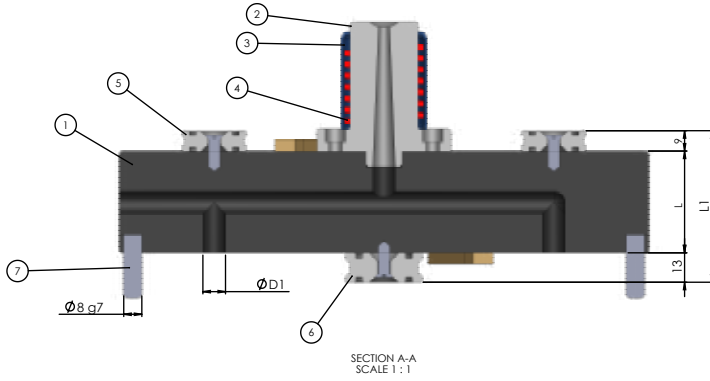
Manifold göz sayısı
Number of drop

1

L and L1 has been calculate according to number of nozzle



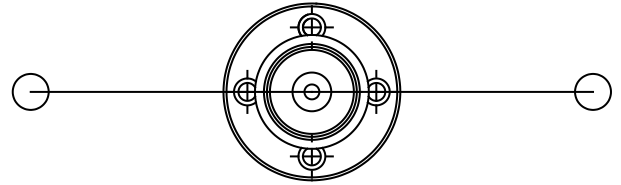
I 2 TYPE MANIFOLD



A	50	100	130	150	160	180	200	220	240	250	260	280	300	960
	min													max
D1	5	6	7	8	9	10	13							
L	45	65												
L1	67	87												

- 1: Manifold / Manifold
 2: Feder / Feder
 3: Feder rezistans koruyucu / Feder heater cover
 4: Feder rezistans / Feder heater
 5: 2x Stoplama diski / Stopper pad
 6: Göbek diski / Under pad
 7: 2x Merkezleme pimi / 2x Dowel pin
 8: 2x J tipi Thermcuple / 2x J typ Thermcuple
 9: 6x6 kare rezistans / 6x6 square heaters

Manifold göz sayısı
Number of drop



Manifold göz sayısı
Number of drop

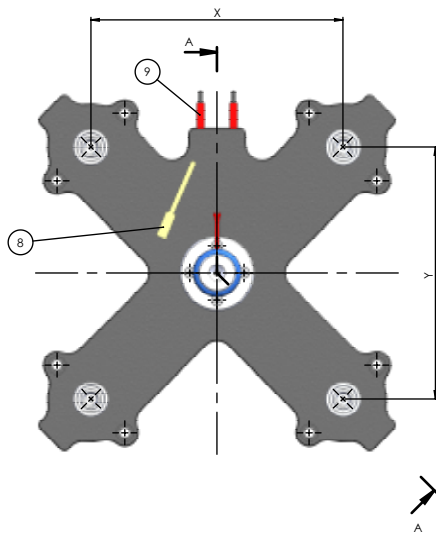
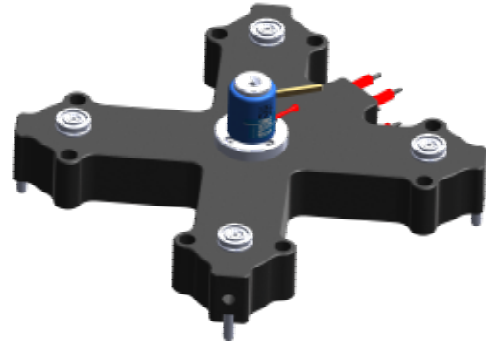
2	4	6	8	12	16
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L ve L1 yüksekliği kullanılan nozzle adedine göre seçilir
L and L1 has been calculate according to number of nozzle



SECTION A-A
SCALE 1 : 2

The diagram shows a cross-section of a mechanical assembly. Key features include:
 - A central shaft with diameter $\varnothing D1$.
 - A component labeled 7 at the right end with diameter $\varnothing 8 g7$.
 - Various other components labeled 1 through 6.
 - Dimensions: 50 mm total height, 10 mm internal width, and 3 mm gap.



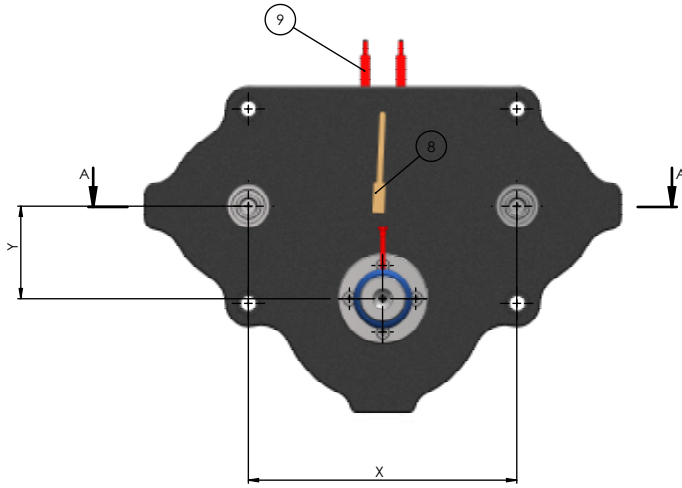
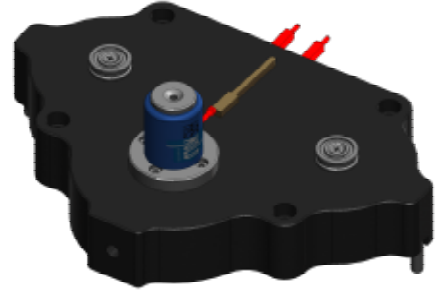
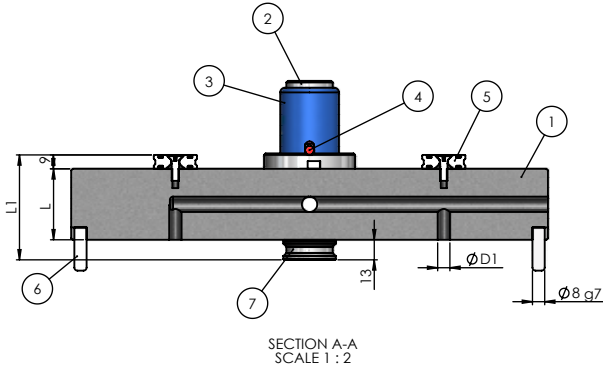
X	50 _{min}	100	130	150	160	180	200	220	240	250	260	280	300	960 _{max}
Y	50 _{min}	100	130	150	160	180	200	220	240	250	260	280	300	400 _{max}
D1	5	6	7	8	9	10	13							
L	45													
L1	67													

🔍

-

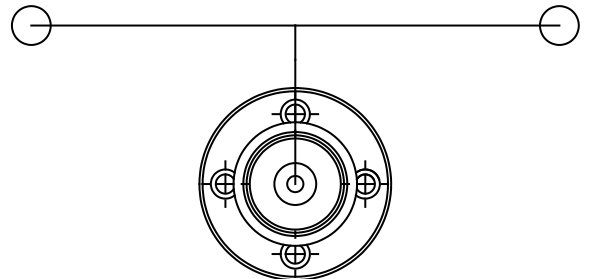


T TYP MANIFOLD



X	50	100	130	150	160	180	200	220	240	250	260	280	300	960
	min													max
Y	50	100	130	150	160	180	200	220	240	250	260	280	300	400
	min													max
D1	5	6	7	8	9	10	13							
L	45													
L1	67													

- 1: Manifold / Manifold
 2: Feder / Feder
 3: Feder rezistans koruyucu / Feder heater cover
 4: Feder rezistans / Feder heater
 5: IX Stoplama diski / Stopper pad
 6: 2x Merkezleme pimi / 2x Dowel pin
 7: Göbek diski / Under pad
 8: 2x J tipi Thermcuple / 2x J typ Thermcuple
 9: 6x6 kare rezistans / 6x6 square heaters



Manifold göz sayısı
Number of drop

2

L and L1 has been calculate according to number of nozzle



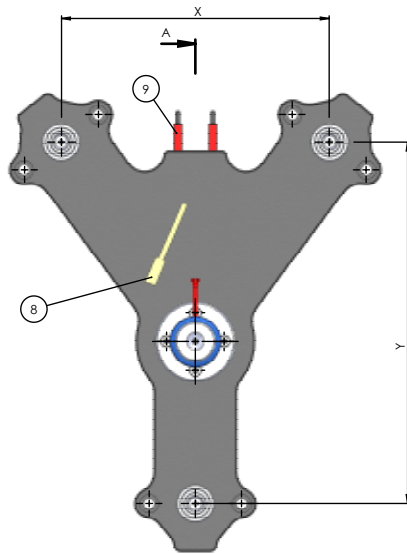
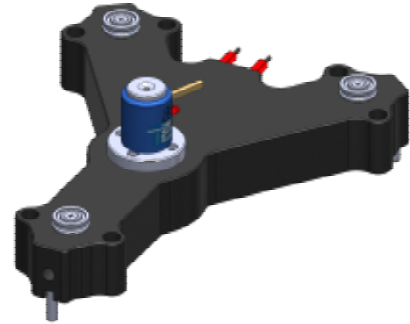
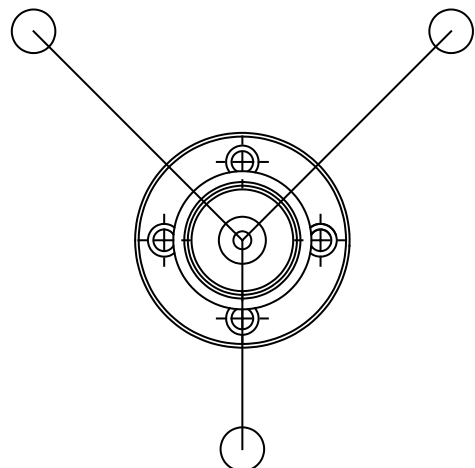


Figure 1 illustrates the layout of the 16 input variables for the model. The variables are arranged in four rows:

- X:** 15 values ranging from 50 to 960, with a minimum (min) and maximum (max) label.
- Y:** 15 values ranging from 50 to 400, with a minimum (min) and maximum (max) label.
- D1:** 7 values: 5, 6, 7, 8, 9, 10, 13.
- L:** 1 value: 45.
- L1:** 1 value: 67.

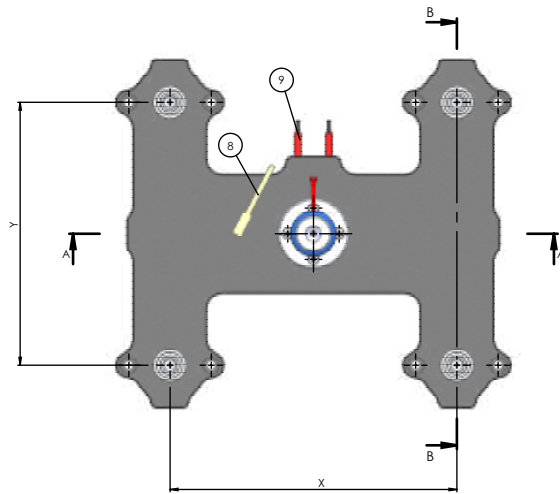
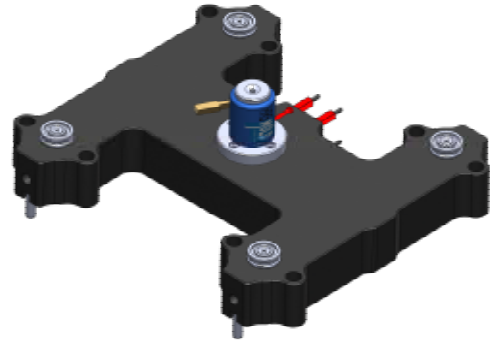
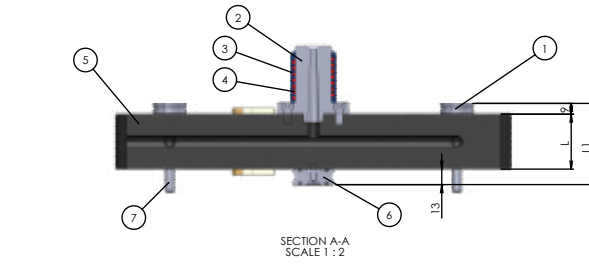
A magnifying glass highlights the L1 box.



3

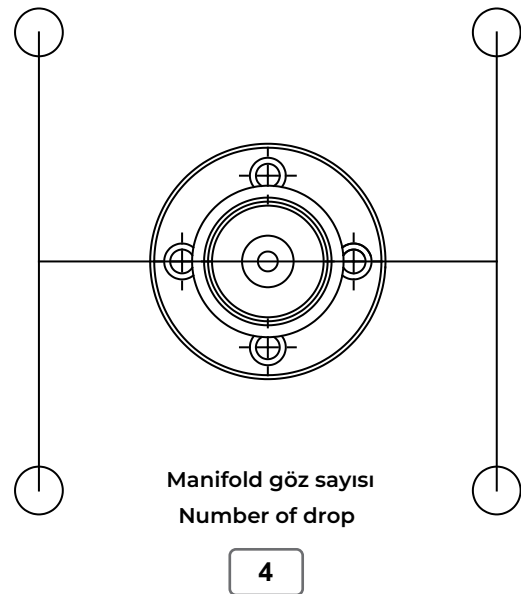
- 

H TYP MANIFOLD



X	min	50	100	130	150	160	180	200	220	240	250	260	280	300	960	max
Y	min	50	100	130	150	160	180	200	220	240	250	260	280	300	400	max
D1		5	6	7	8	9	10	13								
L		45														
L1		67														

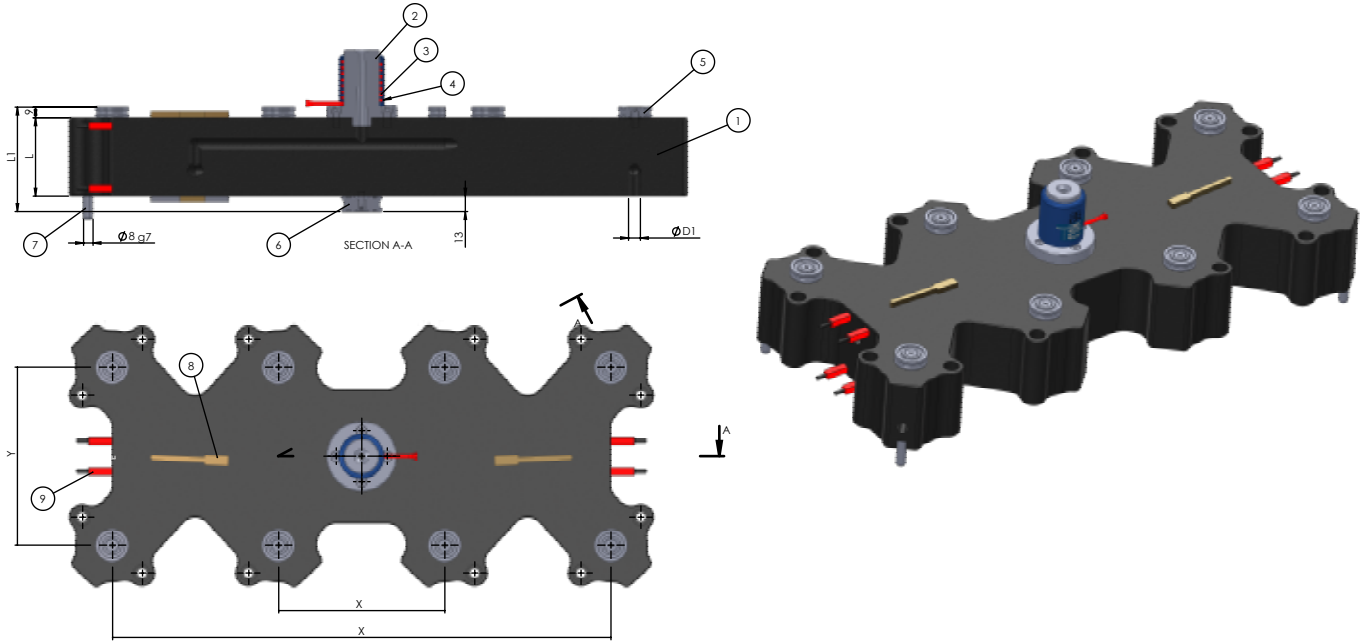
- 1: Manifold / Manifdd
 2: Feder / Feder
 3: Feder rezistans koruyucu / Feder heater cover
 4: Feder rezistans / Feder heater
 5: 4x Stoplama diski / Stopper pad
 6: Göbek diski / Under pad
 7: 2x Merkezleme pimi / 2x Dowel pin
 8: 2x J tipi Thermcuple / 2x J typ Thermcuple
 9: 6x6 kare rezistans / 6x6 square heaters



L and L1 has been calculate according to number of nozzle

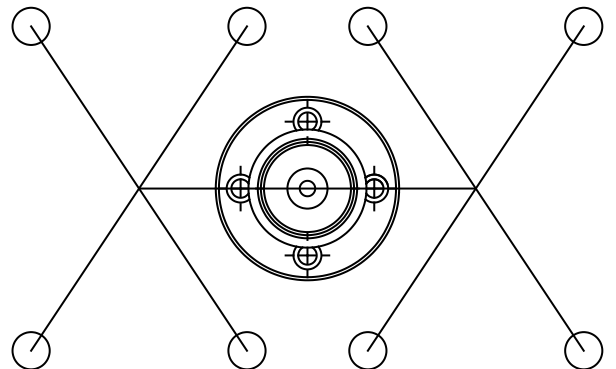


XX TYP MANIFOLD



X	50 _{min}	100	130	150	160	180	200	220	240	250	260	280	300	960 _{max}
Y	50 _{min}	100	130	150	160	180	200	220	240	250	260	280	300	400 _{max}
D1	5	6	7	8	9	10	13							
L	45													
L1	87													

- 1: Manifold / Manifold
 2: Feder / Feder
 3: Feder rezistans koruyucu / Feder heater cover
 4: Feder rezistans / Feder heater
 5: 8x Stoplama diski / Stopper pad
 6: Göbek diski / Under pad
 7: 4x Merkezleme pimi / 2x Dowel pin
 8: 4x J tipi Thermcuple / 2x J typ Thermcuple
 9: 6x6 kare rezistans / 6x6 square heaters



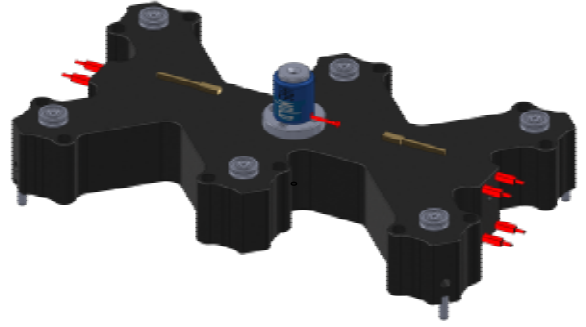
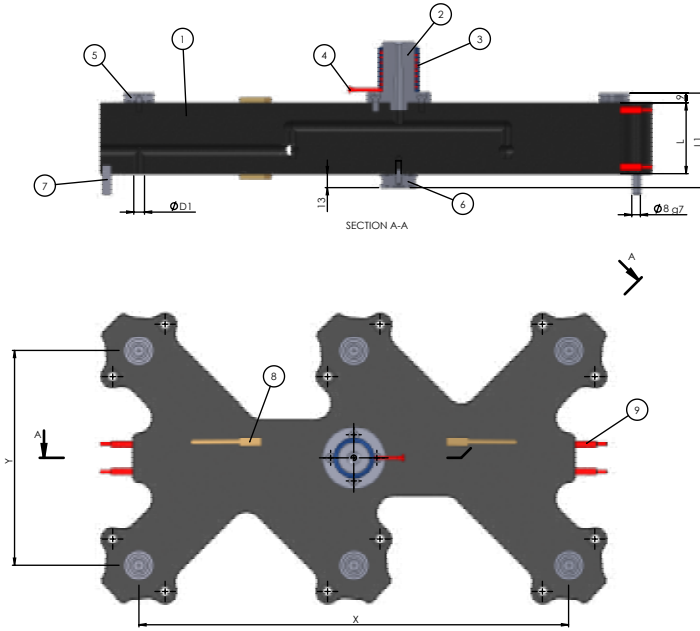
Manifold göz sayısı
Number of drop

8

L and L1 has been calculate according to number of nozzle

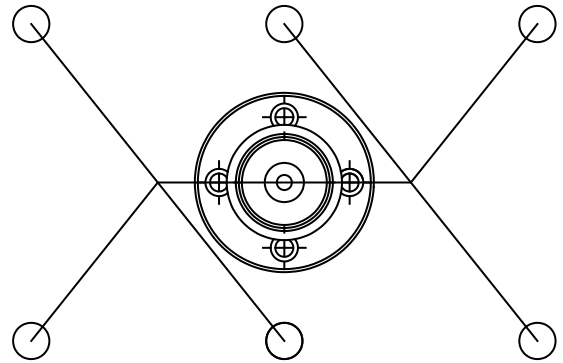


YY TYPE MANIFOLD



X	50	100	130	150	160	180	200	220	240	250	260	280	300	960
	min													max
Y	50	100	130	150	160	180	200	220	240	250	260	280	300	400
	min													max
D1	5	6	7	8	9	10	13							
L	45													
L1	67													

- 1: Manifold / Manifold
 2: Feder / Feder
 3: Feder rezistans koruyucu / Feder heater cover
 4: Feder rezistans / Feder heater
 5: 6x Stoplama diski / Stopper pad
 6: Göbek diski / Under pad
 7: 4x Merkezleme pimi / 2x Dowel pin
 8: 4x J tipi Thermcuple / 2x J typ Thermcuple
 9: 6x6 kare rezistans / 6x6 square heaters



Manifold göz sayısı
 Number of drop

6

L and L1 has been calculate according to number of nozzle



SICAK YOLLUK ISI KONTROL CİHAZLARI / HOT RUNNER CONTROLLER

SINGLE SERIES
TEK NOKTA KONTROL



- *Easy operation
- Compatible with the major brand,
YUDO,ARICO,HUSKY and so on
- *HD led display,
- *Intelligent and independent,it could be applicable to all kinds of plastic injection,either nozzle or manifold
- *Accurate temperature control $\pm 0.1^{\circ}\text{C}$ Soft -start prevent the sudden change of heater's temperature
- *CE certificaion

DUAL SERIES
2 NOKTA KONROL



- *Host brand chip using 32 bit ARM high capacity processor in company
- *Hydraulic nin delay circuit breaker,not the general thermocouple typ circuit breaker or power switch
- *Connector use Germany HARTING brand,conform to UL and CSA
- *Power line using 0.32mm-600V,PVC rezistance to 105 $^{\circ}\text{C}$, conform to UL
- *One card control two points,samll volume,easy operation.
- *CE certification

TOUCH SERIES
DOKUNMATİK EKRAN



- *Aluminum chassis,toch screen,easy operation
- * Intelligent and independent one cart can be control two points, applicable to all kinds of plastic injection,either nozzle or manifold
- *Control temperature accurate:using 12 bit adc,tolerance within $\pm 0.1^{\circ}\text{C}$ Soft -start prevent the sudden change of heater's temperature
- *High efficiency, complete protection function
- *Automatic adjustment mode allows the temprature ti rise rapidly and maintain stabiliity
- *Reliability and safety, CE certification

PARAMETERS AND FUNCTIONS



Input Voltage	AC200-220V 50/60HZ
Output Voltage	AC200-220V 50/60HZ
Output Current	AMP: 16A
Load	3600W
Thermocouple type	J type or K type
Output Type	PWM,SSR
Soft Start	Avoid mold creepage arising from moisture
Control Temperaturerange	50 $^{\circ}\text{C}$ -550 $^{\circ}\text{C}$
Temperature stability	$\pm 0.5^{\circ}\text{C}$
Temperature resolution	0.1 $^{\circ}\text{C}$
Temperature Precision	0.1 $^{\circ}\text{C}$
Temperature unit	$^{\circ}\text{C}$ or $^{\circ}\text{F}$

1. it adopts FUZZY PIDD control technology and can automatically adapt to any heating mould in case of no tuning PID parameter so it increase working efficiency greatly
 2. Automatic environment linear compensation ensures higher precision of temperature value; 3.Monitoring inductor error
- The controller can detect reverse and open circuit of inductor and it will take actions according to error type and controller's mode
- 4.Loop break detection 5.Current monitoring
 - 6.Output interruption check,output short circuit protection and alarm 7.Deviation alarms
 8. Manual power output mode
 - 9.A key standby,a key boot
 10. Display errors completely to help you find failure reason easily



THERMOCOUPLE

sheathed thermocouple.to ensure the accuracy of the temperature measurement of the product

High purity Magnesium Oxide standard insulation material ,to ensure product insulation

Sheath :304 stainless steels as standard sheath,sustainable in the environment 900°C Thermocouple provide J and K type

- Customized variety length and type
- CE Certification



HOT RUNNER HEATERS SICAK YOLLUK REZİSTANSLARI

Our produces high quality hot runner heaters with different specification including tubular heaters and copper heaters. Tubular heaters can be produced with different length and cross-sectional area,power ; copper heaters can be heated evenly, with close contact with hot nozzles, good heat conduction effect, built-in thermocouples, and different lengths can be customized.

COIL HEATERS SPRIAL REZİSTANSLAR

- Nickel-Chrome 80/20 resistance wire
- High purity compacted magnesium oxide
- Stainless steel sheath
- Built-in the Thermocouple type J
- Tig welded disc
- PTFE insulated nickel leadwire



INSULATORS





ALL-IN-ONE TIME SEQUENCE CONTROLLER

PARAMETERS AND FUNCTIONS

- Two model can be selected: 4 or 8 gates controller;
- Adjusting the value and setting time, the operation is simple;
- Each gate support A or B operation mode;
- Real time display running status;
- Shutdown state, the data storage function to start;
- Software control on/off function;
- Single and all gates with manual on/off function ;
- Solenoid calve output voltage: AC220V/DC24V (air or oil pres sure solenoid univers al);
- Oil valve controller with air cooling
- Precise time control (minimum 0.01 seconds, maximum 999 seconds);
- Intelligent function, solid design, good heat dissipation ;
- CE Certification.



M SERIES

The M series is a new product integrating hot runner temperature control and timing sequence control. The display adopts a 7—inch capacitive touch screen, and the volume is small. This series uses the latest temperature control technology. The main chip of the control panel uses an ARM high— capacity processor and the connector remains to adopt the German HARTING brand



HOT RUNNER CONTROL FUNCTION

- Unique Auto—Tuning software
- Control 6—24 zones,expanded
- Control temperature range:50—550°C
- Temperature control accuracy: + 0.5E
- Power percentage,heating current display
- Adjustable soft start:time setting and temperature of 93°C
- High temperature alarm(Upper limit can be set) ;Low temperature alarm(Lower limit can be set)
- Three mode:Auto, Manual and Standby mode
- 'C and° F can be selected

TIMER SEQUENCE CONTROL FUNCTION

- Control 4—8 oil valve or valve,can be expanded
- Touch to set the time,easy to operation
- Each gate supports multiple operating modes(A/B two modes)
- Real—time display operating status
- Single and all gates with manual on /off function
- AC220V/DC24V Solenoid valve output voltage:AC220V/DC24V
- Oil valve controller with air cooling,to ensure good cooling
- Precise time control(Min 0.01 second,Max



INCREASED PRECISION
ACCURATE

AUTOMATIC HEATER PROTECTION CIRCUIT

PREVENTION OF SHORT CIRCUIT

IMPROVED RESPONSIVENESS

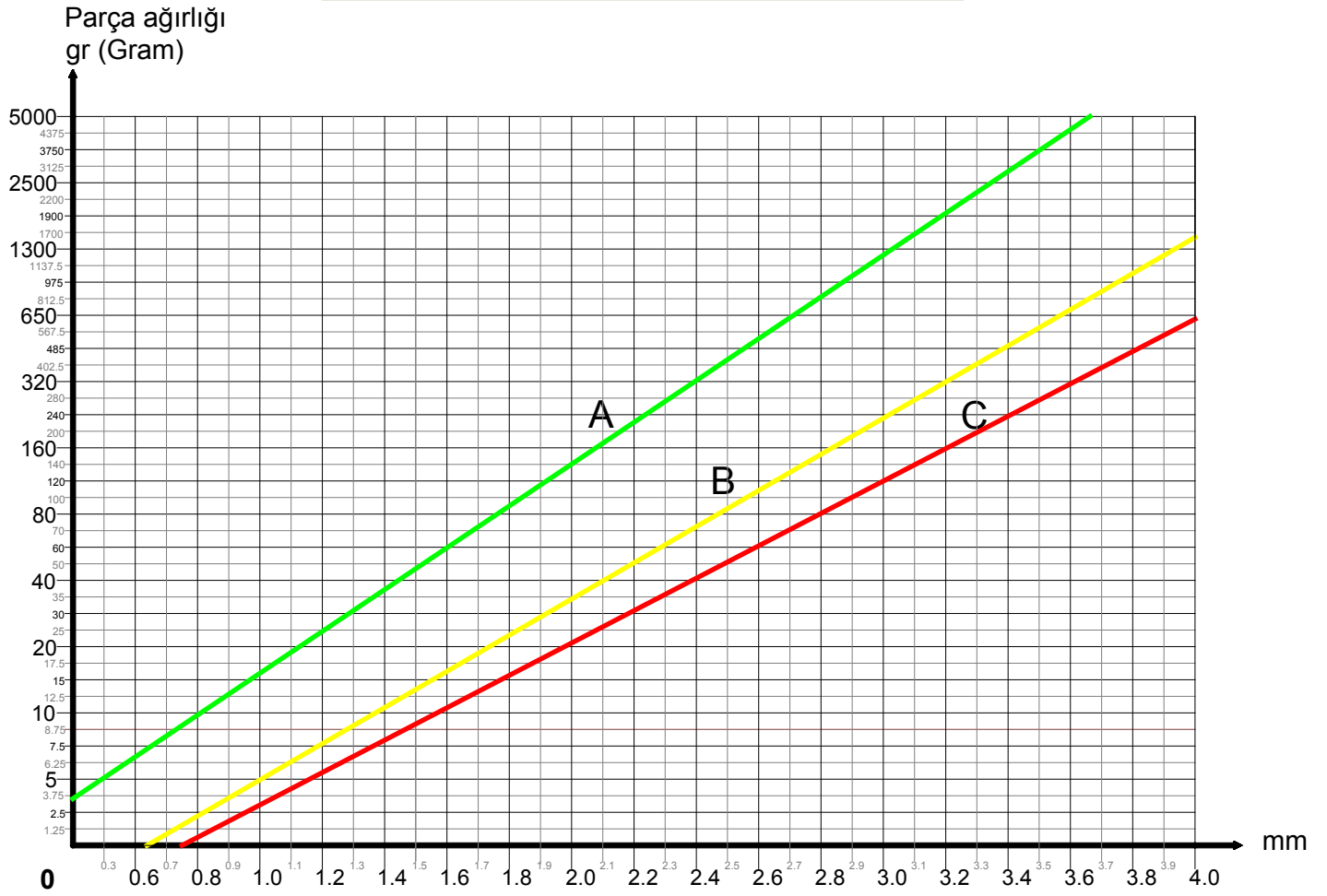
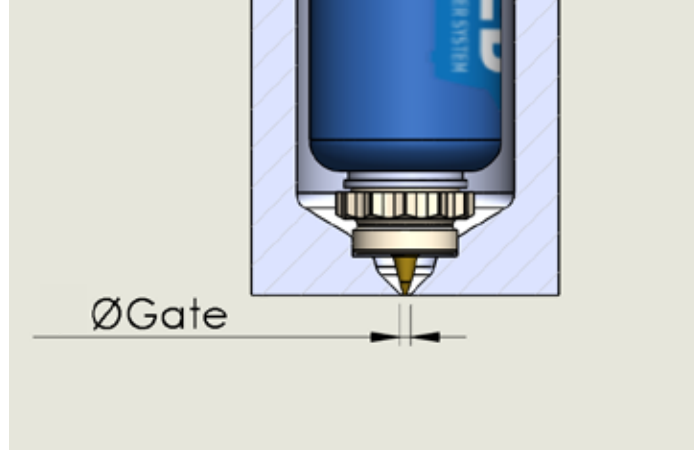
SIMPLE OPERATIONS

EASY MAINTENANCE

DUAL AND TOUCH UPGRADES SERI

In order to better operate the dual seri and touch multi—zones, we have added a small touch screen on the basis of the one series and the dual series. Through this touch screen, all parameters of the zones can be set by one time.it will make operation more simple.Other details and information, please contact us!





YÜKSEK AKIŞKAN / HIGH FLOW

PP / PS / LDPE / HIPS / HDPE / GPPS / TPU

ORTA AKIŞKAN / MEDIUM FLOW

ABS / PA6 / PA66 / POM / SAN / ASA / PMMA

DÜŞÜK AKIŞKAN / LOW FLOW

PC / PET / PES / PEEK / PPO / PPS / PSU / TPUR / PEI

Gate size (gate point) may vary according to the melt flow of resin, the weight of part and gating method selection. Following chart shows the relationship between the gate size and the shot weight. it is only for reference. Consult TP before machining.



MALZEME	C	t	Tps Tp-Ts	Ts Erime Sıcaklığı	Tp Çalışma Sıcak	Tpm Kalıp Sıcaklığı	Tpm Tp-Tm	Akma Karakteri		
								İyi	Orta	Zayıf
<u>Amorf Malzemeler:</u>										
POP (Polycehenylene oxide)	80-120	2	180	120	300	80	220			
PEI (Polyetherimide)	150	4	155	215	370	100	270			
PMMA (Polymethyl methacrylate)	70-100	2-4	145	100	245	70	175			
ABS (Acrylonitrile Butadiene styrene)	70-80	2	140	110	250	75	175			
ASA (Acrylic styrene acrylonitrile)	80-90	2	140	105	245	75	170			
SAN (Styrene acrylonitrile)	85	2-4	140	115	255	80	175			
PS (Polystyrene)	-	-	125	100	225	45	180			
SB (Styrene butadiene)	-	-	125	100	225	70	155			
PES (Polyethersulfone)	135-150	3-4	120	230	350	150	200			
PSU (Polysulfone)	135-150	3-4	115	200	315	150	165			
PVC (Polyvinyl chloride)	-	-	95	100	195	35	160			
PC (Polycarbonate)	120	46	80	220	300	90	210			
CAB (Cellulose acetate butyrate)	50	3	75	140	215	55	160			
TPU (Thermoplastic urethanes)	100-110	2	60	150	210	35	175			
<u>Kristal Malzemeler:</u>										
PE (Polyethylene)	-	-	110	140	250	25	225			
PP (Polypropylene)	-	-	90	165	255	35	220			
LCP (Liquid-crystal polymer)	150-160	4	70	330	400	175	225			
PA 11 (Polyamide 11)	70-80	8-15	55	175	230	60	170			
PA 12 (Polyamide 12)	70-80	8-15	55	175	230	60	170			
PET (Polyethylene terephthalate)	75-90	3-4	40	245	285	140	145			
PBT (Polybutadiene terephthalate)	120	4	40	225	265	60	205			
PPS (Polyphenylene sulfide)	150-170	4	40	290	330	110	220			
PEEK (Polyetheretherketone)	150	3	35	335	370	160	210			
PA610 (Polyamide 610)	70-80	8-12	35	215	250	90	160			
PA 6 (Polyamide 6)	80	8-15	30	220	250	90	160			
PA 6.6 (Polyamide 6.6)	80	8-15	30	255	285	90	195			
POM (Polyacetal)	110	2	20	180	200	100	100			



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YOLLUK SİSTEMLERİ**

**HRSMOLD PLASTIC HOT
RUNNER SYSTEMS**

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