
ROTA SEAL
SIZDIRMAZLIK SİSTEMLERİ
صنعت
ROTASEAL
SEALING SYSTEMS
نمایندگی RotaSeal ترکیه در ایران
yamada
نمایندگی پمپ دیافراگمی
تلفن: ۴۰ ۱۰۰ ۹۱۰ – ۰۴۱
همراه: ۰۹۱۴ ۴۱۱ ۱۷۶۹ حجت غلامزاده
تبریز، جاده تهران، بالاتراز میدان بسیج
مجتمع تجاری مهر، طبقه ۲، واحد A۳
www.bayarsanat.ir
ROTA SEAL

ROTA SEAL

SIZDIRMAZLIK SİSTEMLERİ

www.rotasizdirmazlik.com

ROTASEAL STANDART &
ÖZEL TİP MEKANİK SALMASTRA SERİSİ

ROTASEAL STANDARD &
SPECIAL TYPE MECHANICAL SEAL SERIES

2005 yılında kurulan Rota Sızdırmazlık Elemanları, başarılı geçmişi ve değişmez ilkeleriyle attığı sağlam adımlar sayesinde Türkiye'de sızdırmazlık sektöründe lider olma başarısına ulaşmıştır.

Rota Sızdırmazlık Elemanları gıda, kimya, kâğıt, arıtma tesisleri, gemicilik, tekstil, petrol vs. olmak üzere birçok sektörde faaliyet göstermektedir. Bu sektörlerde kullanılmak üzere mekanik salmastra, yumuşak salmastra, kızgın yağ başlıkları, buhar başlıkları, su başlıkları üretimi yapmaktadır. Hedeflerini yalnızca Türkiye ile sınırlı tutmayan firmamız, ISO 9001 standartları ile ürettiği ürün gruplarını ve bunun yanında ürettiği proje bazlı ürünlerini 13 ülkeye ihraç ederek Türkiye dışında Ortadoğu başta olmak üzere çeşitli pazarlarda da kuvvetli bir şekilde boy göstermektedir. Bölgesel olarak iç piyasadaki liderlik vizyonunu küresel pazarlara taşıma gayretiyle yatırımlarını sürdürmektedir.

Rota Sızdırmazlık Elemanları kurulduğu ilk günden itibaren kaliteye verdiği önem ve zoru başarma azmi sayesinde kısa sürede sektöründe devleşmiş, bununla beraber ilkelerinden asla vazgeçmemiştir. Firmanın değişmez prensipleri daima kalite, hizmet, zamanında teslim ve uygun fiyat olmuştur. "Üretimde başarı ve sürekliliğin teminatı hizmette dürüstlük ve kalitedir." prensibiyle çalışan Rota Sızdırmazlık Elemanları, gösterdiğiniz yakın ilgi ve desteğinizden ötürü teşekkür eder, sizlere bugün olduğu gibi gelecekte de hizmet vermeye devam etmeyi hedeflemektedir.

ROTA SIZDIRMAZLIK ELEMANLARI, which has been established in 2005, thanks to its successful background and immutable principles has become an effective leader in sealing system.

Rota Sızdırmazlık Elemanları cooperates with various companies in different sectors like food industry, chemical industry, shipping, textile, petrol and gas industries, refinary systems and etc.We are manufacturing mechanical seals, cartridge type seals, packings, PTFE compactor sheets and rotary joints for water/steam/hot oil and air which are used in the mentioned industries. Moreover, our target is not just limited to Turkey; ISO 9001 standard is used in the production line and Rotaseal products are exported to Middle East and also more than 13 countries. We are looking forward to reach the leadership in the intenational market.

Since the firm establishment, Rota Sızdırmalık Elemanları has grown each passing day due to maintaing the high quality of products and its efforts. At the same time, we have been adhering to our immutable principals which are stable quality, good services, precious delivery time and reasonable prices. "The sustainability and success in production is based on the honesty and qulity in service." We are thankful of your attention and support; As today, we will continue to provide you our best services.

ROTASEAL STANDART
MEKAN K
SALMASTRA SER S
ROTASEAL STANDARD
MECHANICAL
SEAL SERIES

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RT-2

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RT-H 12 N

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RT-9 V

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RT-HJ 92 N

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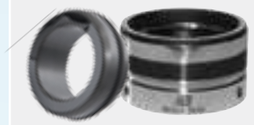
32

RT-M

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RT-130

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RT-180

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RT-580

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RT-240

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RT-502

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RTG-1

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RTG-12

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RTG-13

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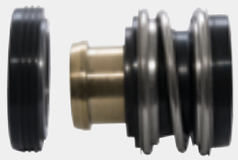
RTG-1 S 20

43

RTGF-12

ROTASEAL ÖZEL
T P MEKAN K
SALMASTRA SER S
ROTASEAL SPECIAL
TYPE MECHANICAL
SEAL SERIES

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RT-325
RT-ASP

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RT-ALF
RT-DY

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RT-800 M
RT-FR

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RT-FLR
RT-PRO

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RT-PV

ROTA SEAL
SIZDIRMAZLIK SİSTEMLERİ

Rota Sızdırmazlık Elemanları
San. ve Tic. Ltd. Şti.

BASIM TARİHİ
14 / 12 / 2016

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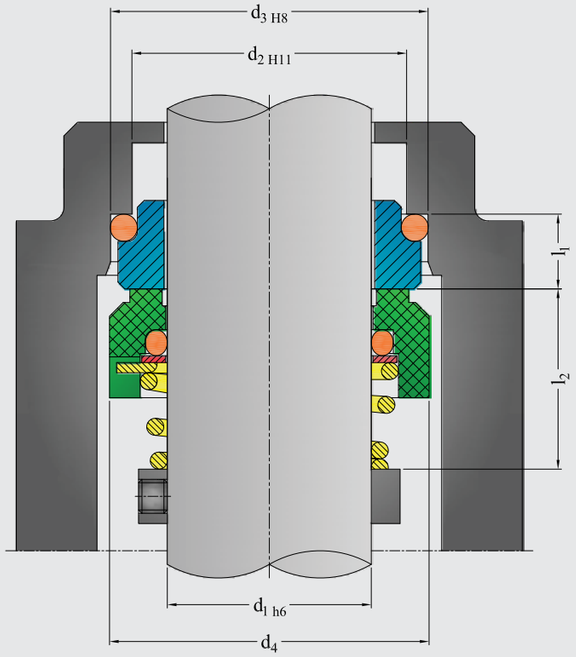
ROTA SEAL

Sızdırmazlık Sistemleri

RT-2



Teknik Özellikleri — Technical Features

Tekli Salmastra	**Single Seal**
Balanssız	**Unbalanced**
Konik Yaylı	**Conical Spring**
Dönme Yönüne Bağımlı	**Directional Seal**
EN 12756 - DIN 24960	**EN 12756 - DIN 24960**

Çalışma Limitleri — Operating Limits

d_1 = 10 ... 38 mm	**d_1 = 10 ... 38 mm**
p_1 = 10 bar / 145 Psi	**p_1 = 10 bar / 145 Psi**
t_1 = -20 ... 180 °C /-4 ... 355 °F	**t_1 = -20 ... 180 °C /-4 ... 355 °F**
v_g = 15 m/s ... 50 ft/s	**v_g = 15 m/s ... 50 ft/s**
Eksenel Hareket : ± 1,0 mm	**Axial Movement: ± 1,0 mm**

Materyal Kombinasyonları — Material Combinations

Döner Eleman Yüzey Seçenekleri	**Seal Face Alternatives**
• Karbon	**• Carbon Graphite Seat**
Sabit Eleman Yüzey Seçenekleri	**Face Alternatives**
• Silisyum Karbür	**• Silicon Carbide**
• Tungsten Karbür	**• Tungsten Carbide**
• Paslanmaz Çelik	**• Stainless Steel**
• Seramik	**• Ceramic**

Elastomerler — Elastomers

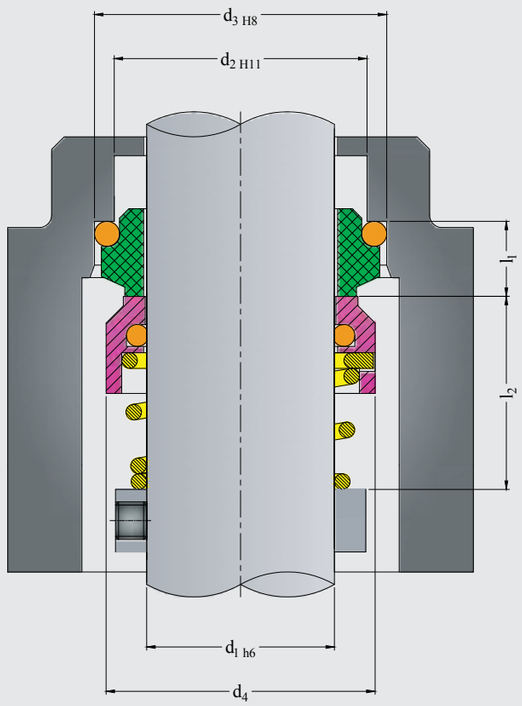
FKM (Viton®), Nitril (NBR), EPDM, Silikon Kauçuk	**FKM (Viton®), Nitrile, EPDM, Silicon Rubber**

Sabit Eleman Form Seçenekleri — Stationary Seat Alternatives

G-4 / G-6 / G-9 / G-45

d_1	d_2	d_3	d_4	l_1	l_2
10	17,0	21,0	20,0	10,0	17,5
12	19,0	23,0	22,0	10,0	17,5
14	21,0	25,0	25,0	10,0	17,5
15	22,0	24,5	27,0	10,0	17,5
16	23,0	27,0	27,0	10,0	19,5
18	27,0	33,0	30,0	11,5	20,5
20	29,0	35,0	32,0	11,5	22,0
22	31,0	37,0	35,0	11,5	23,5
24	33,0	39,0	38,0	11,5	25,0
25	34,0	40,0	40,0	11,5	26,5
26	34,0	40,0	41,0	11,5	26,5
28	37,0	43,0	43,0	11,5	26,5
30	39,0	45,0	47,0	11,5	26,5
32	42,0	48,0	48,0	11,5	28,5
35	44,0	52,0	53,0	11,5	28,5
38	49,0	56,0	56,0	14,0	33,5

RT-3



Teknik Özellikleri — Technical Features

Tekli Salmastra	**Single Seal**
Balanssız	**UnBalanced**
Konik Yaylı	**Conical Spring**
Dönme Yönüne Bağımlı	**Directional Seal**
EN 12756 - DIN 24960	**EN 12756 - DIN 24960**

Çalışma Limitleri — Operating Limits

d_1 = 10 ... 80 mm	**d_1 = 10 ... 80 mm**
p_1 = 10 bar / 145 Psi	**p_1 = 10 bar / 145 Psi**
t_1 = -20 ... 180 °C /-4 ... 355 °F	**t_1 = -20 ... 180 °C /-4 ... 355 °F**
v_g = 10 (15) m/s ... 33 (50) ft/s	**v_g = 10 (15) m/s ... 33 (50) ft/s**
Eksenel Hareket : ± 1,0 mm	**Axial Movement ± 1,0mm**

Materyal Kombinasyonları — Material Combinations

Döner Eleman Yüzey Seçenekleri	**Seal Face Alternatives**
• Paslanmaz Çelik	**• Stainless Steel**
Sabit Eleman Yüzey Seçenekleri	**Seat Face Alternatives**
• Karbon	**• Carbon Graphite**

Elastomerler — Elastomers

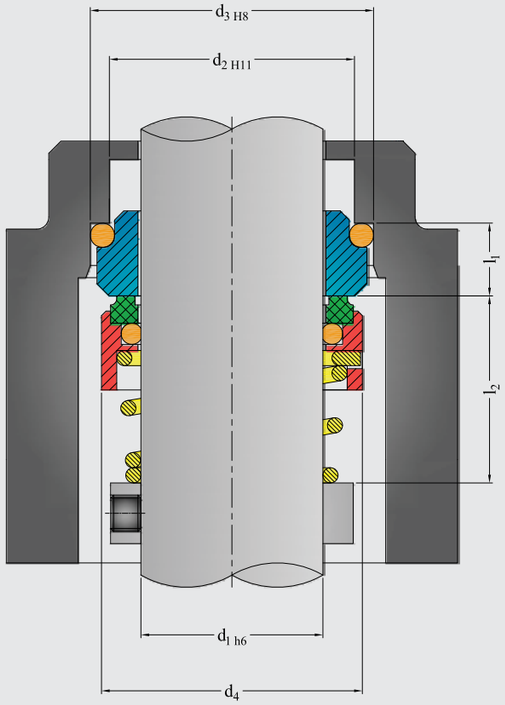
FKM (Viton®), Nitril (NBR), EPDM, Silikon Kauçuk	**FKM (Viton®), Nitrile, EPDM, Silicon Rubber**

Sabit Eleman Form Seçenekleri — Stationary Seat Alternatives

G-9 / G-13

d_1	d_2	d_3	d_4	l_1	l_2	d_1	d_2	d_3	d_4	l_1	l_2
10	15,5	19,2	19,0	7,1	15,5	40	52,2	58,0	56,0	11,5	36,0
12	17,5	21,6	21,0	7,6	16,0	42	53,3	62,0	59,0	14,3	37,5
14	20,5	24,6	23,0	7,6	16,5	43	53,3	62,0	59,0	14,3	38,5
15	20,5	24,6	24,0	8,6	18,0	45	55,3	64,0	61,0	14,3	39,5
16	22,0	28,0	26,0	9,0	18,0	48	59,7	68,4	64,0	14,3	46,0
18	24,0	30,0	29,0	10,0	19,5	50	60,8	69,3	66,0	14,3	45,0
20	29,5	35,0	31,0	9,5	22,0	53	63,8	72,3	69,0	14,3	47,0
22	29,5	35,0	33,0	9,5	21,5	55	66,5	75,4	71,0	15,3	49,0
24	32,0	38,0	35,0	9,5	23,5	58	69,5	78,4	76,0	15,3	55,0
25	32,0	38,0	36,0	9,5	26,5	60	71,5	80,4	78,0	15,3	55,0
26	34,0	40,0	37,0	10,0	26,5	63	74,5	83,4	83,0	15,3	55,0
28	36,0	42,0	40,0	11,0	26,5	65	76,5	85,4	84,0	15,3	55,0
30	39,2	45,0	43,0	11,0	26,5	68	82,7	91,5	88,0	16,0	55,0
32	42,2	48,0	46,0	11,0	28,5	70	83,0	92,0	90,0	15,3	57,0
33	44,2	50,0	47,0	11,5	28,5	75	90,2	99,0	98,0	15,3	62,0
35	46,2	52,0	49,0	11,5	28,5	80	95,2	104,0	100,0	16,3	61,8
38	49,2	55,0	53,0	11,5	33,5						

RT-32



Teknik Özellikleri — Technical Features

Tekli Salmastra	**Single Seal**
Balanssız	**UnBalanced**
Konik Yaylı	**Conical Spring**
Dönme Yönüne Bağımlı EN	**Directional Seal**
12756 - DIN 24960	**EN 12756 - DIN 24960**

Çalışma Limitleri — Operating Limits

d_1 = 10 ... 80 mm	**d_1 = 10 ... 80 mm**
p_1 = 10 bar / 145 Psi	**p_1 = 10 bar /145 Psi**
t_1 =-20 ... 180 °C /-4 ... 355 °F	**t_1 = -20 ... 180 °C /-4 ... 355 °F**
v_g = 10 (15) m/s ... 33 (50) ft/s	**v_g = 10 (15) m/s ... 33 (50) ft/s**
Eksenel Hareket : ± 1,0 mm	**Axial Movement : ± 1,0 mm**

Materyal Kombinasyonları — Material Combinations

Döner Eleman Yüzey Seçenekleri	**Seal Face Alternatives**
• Karbon	**• Carbon Graphite**
Sabit Eleman Yüzey Seçenekleri	**Seat Face Alternatives**
• Silisyum Karbür	**• Silicon Carbide**
• Tungsten Karbür	**• Tungsten Carbide**
• Paslanmaz Çelik	**• Stainless Steel**
• Seramik	**• Ceramic**

Elastomerler — Elastomers

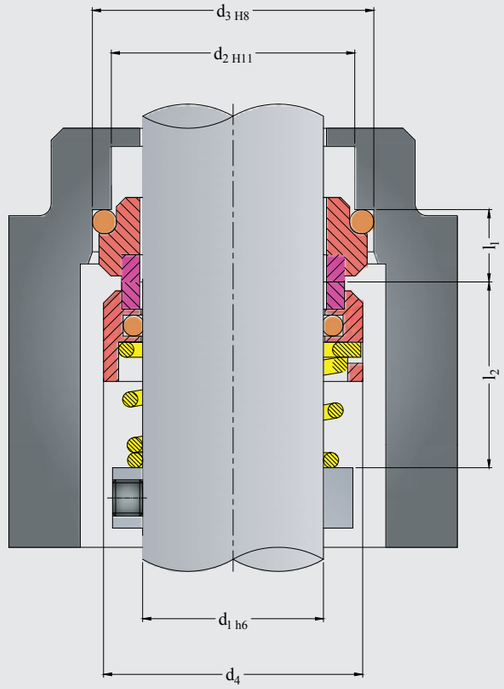
FKM (Viton®), Nitril (NBR),EPDM,Silikon Kauçuk	**FKM (Viton®), Nitrile, EPDM, Silicon Rubber**

Sabit Eleman Form Seçenekleri — Stationary Seat Alternatives

G-4 / G-6 / G-9

d_1	d_2	d_3	d_4	l_1	l_2	d_1	d_2	d_3	d_4	l_1	l_2
10	17,0	21,0	19,0	10,0	17,0	40	51,0	58,0	56,0	14,0	38,0
12	19,0	23,0	21,0	10,0	17,5	42	54,0	61,0	59,0	14,0	39,5
14	21,0	25,0	23,0	10,0	18,0	43	54,0	61,0	59,0	14,0	40,5
15	22,0	27,0	24,0	10,0	19,5	45	56,0	63,0	61,0	14,0	41,5
16	23,0	27,0	26,0	10,0	19,5	48	59,0	66,0	64,0	14,0	48,0
18	27,0	33,0	29,0	11,5	21,5	50	62,0	70,0	66,0	15,0	47,0
20	29,0	35,0	31,0	11,5	24,0	53	65,0	73,0	69,0	15,0	49,0
22	31,0	37,0	33,0	11,5	23,5	55	67,0	75,0	71,0	15,0	51,0
24	33,0	39,0	35,0	11,5	25,5	58	70,0	78,0	76,0	15,0	57,0
25	34,0	40,0	36,0	11,5	28,5	60	72,0	80,0	78,0	15,0	57,5
28	37,0	43,0	40,0	11,5	28,5	65	77,0	85,0	84,0	15,0	57,5
30	39,0	45,0	43,0	11,5	28,5	68	81,0	90,0	88,0	18,0	57,5
32	42,0	48,0	46,0	11,5	30,5	70	83,0	92,0	90,0	18,0	59,5
33	42,0	48,0	47,0	11,5	30,5	75	88,0	97,0	98,0	18,0	64,5
35	44,0	50,0	49,0	11,5	30,5	80	95,0	105,0	100,0	18,2	64,5
38	49,0	56,0	53,0	14,0	35,5						

RT-33



Teknik Özellikleri — Technical Features

Tekli Salmastra	**Single Seal**
Balanssız	**UnBalanced**
Konik Yaylı	**Conical Spring**
Dönme Yönüne Bağımlı	**Directional Seal**
EN 12756 - DIN 24960	**EN 12756 - DIN 24960**

Çalışma Limitleri — Operating Limits

d_1 = 10 ... 80 mm	**d_1 = 10 ... 80 mm**
p_1 = 10 bar / 145 Psi	**p_1 = 10 bar /145 Psi**
t_1 = -20 ... 120 °C /-4 ... 248 °F	**t_1 = -20 ... 120 °C /-4 ... 248 °F**
v_g = 10 (15) m/s ... 33 (50) ft/s	**v_g = 10 (15) m/s ... 33 (50) ft/s**
Eksenel Hareket : ± 1,0 mm	**Axial Movement : ± 1,0 mm**

Materyal Kombinasyonları — Material Combinations

Döner Eleman Yüzey Seçenekleri	**Seal Face Alternatives**
• Tungsten Karbür	**• Tungsten Carbide**
Sabit Eleman Yüzey Seçenekleri	**Seat Face Alternatives**
• Tungsten Karbür	**• Tungsten Carbide**
• Karbon	**• Carbon Graphite**

Elastomerler — Elastomers

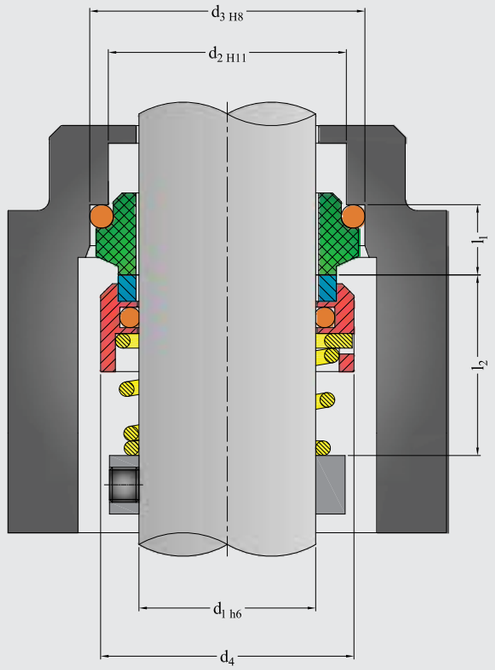
FKM (Viton®), Nitril (NBR), EPDM, Silikon Kauçuk	**FKM (Viton®), Nitrile, EPDM, Silicon Rubber**

Sabit Eleman Form Seçenekleri — Stationary Seat Alternatives

G-4 / G-6 / G-9 / G-13

d_1	d_2	d_3	d_4	l_1	l_2	d_1	d_2	d_3	d_4	l_1	l_2
10	17,0	21,0	19,0	10,0	15,5	40	51,0	58,0	56,0	14,0	36,0
12	19,0	23,0	21,0	10,0	16,0	42	54,0	61,0	59,0	14,0	37,5
14	21,0	25,0	23,0	10,0	16,5	43	54,0	61,0	59,0	14,0	38,5
15	22,0	27,0	24,0	10,0	18,0	45	56,0	63,0	61,0	14,0	39,5
16	23,0	27,0	26,0	10,0	18,0	48	59,0	66,0	64,0	14,0	46,0
18	27,0	33,0	29,0	11,5	19,5	50	62,0	70,0	66,0	15,0	45,0
20	29,0	35,0	31,0	11,5	22,0	53	65,0	73,0	69,0	15,0	47,0
22	31,0	37,0	33,0	11,5	21,5	55	67,0	75,0	71,0	15,0	49,0
24	33,0	39,0	35,0	11,5	23,5	58	70,0	78,0	76,0	15,0	55,0
25	34,0	40,0	36,0	11,5	26,5	60	72,0	80,0	78,0	15,0	55,0
28	37,0	43,0	40,0	11,5	26,5	65	77,0	85,0	84,0	15,0	55,0
30	39,0	45,0	43,0	11,5	26,5	68	81,0	90,0	88,0	18,0	55,0
32	42,0	48,0	46,0	11,5	28,5	70	83,0	92,0	90,0	18,0	57,0
33	42,0	48,0	47,0	11,5	28,5	75	88,0	97,0	98,0	18,0	62,0
35	44,0	50,0	49,0	11,5	28,5	80	95,0	105,0	100,0	18,2	61,8
38	49,0	56,0	53,0	14,0	33,5						

RT-37



Teknik Özellikleri — Technical Features

Tekli Salmastra	**Single Seal**
Balanssız	**UnBalanced**
Konik Yaylı	**Conical Spring**
Dönme Yönüne Bağımlı	**Directional Seal**
EN 12756 - DIN 24960	**EN 12756 - DIN 24960**

Çalışma Limitleri — Operating Limits

d_1 = 10 … 80 mm	**d_1 = 10 … 80 mm**
p_1 = 10 bar / 145 Psi	**p_1 = 10 bar / 145 Psi**
t_1 = -20 … 180 °C /-4 … 355 °F	**t_1 = -20 … 180 °C /-4 … 355 °F**
v_g = 10 (15) m/s … 33 (50) ft/s	**v_g = 10 (15) m/s … 33 (50) ft/s**
Eksenel Hareket : ± 1,0 mm	**Axial Movement : ± 1,0 mm**

Materyal Kombinasyonları — Material Combinations

Döner Eleman Yüzey Seçenekleri	**Seal Face Alternatives**
• Silisyum Karbür	**• Silicon Carbide**
Sabit Eleman Yüzey Seçenekleri	**Seat Face Alternatives**
• Silisyum Karbür	**• Silicon Carbide**
• Karbon	**• Carbon Graphite**

Elastomerler — Elastomers

FKM (Viton®), Nitril (NBR), EPDM, Silikon Kauçuk	**FKM (Viton®), Nitrile, EPDM, Silicon Rubber**

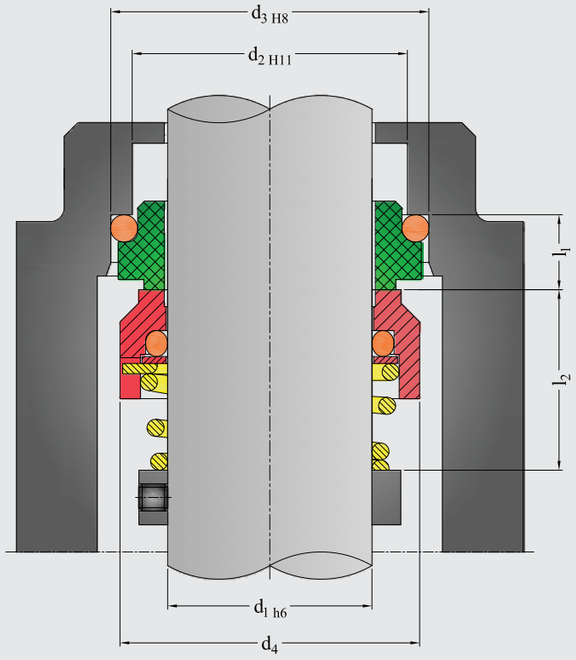
Sabit Eleman Form Seçenekleri — Stationary Seat Alternatives

G-4 / G-6 / G-9 / G-13

d_1	d_2	d_3	d_4	l_1	l_2
10	17,0	21,0	19,0	10,0	15,5
12	19,0	23,0	21,0	10,0	16,0
14	21,0	25,0	23,0	10,0	16,5
15	22,0	27,0	24,0	10,0	18,0
16	23,0	27,0	26,0	10,0	18,0
18	27,0	33,0	29,0	11,5	19,5
20	29,0	35,0	31,0	11,5	22,0
22	31,0	37,0	33,0	11,5	21,5
24	33,0	39,0	35,0	11,5	23,5
25	34,0	40,0	36,0	11,5	26,5
28	37,0	43,0	40,0	11,5	26,5
30	39,0	45,0	43,0	11,5	26,5
32	42,0	48,0	46,0	11,5	28,5
33	42,0	48,0	47,0	11,5	28,5
35	44,0	50,0	49,0	11,5	28,5
38	49,0	56,0	53,0	14,0	33,5

d_1	d_2	d_3	d_4	l_1	l_2
40	51,0	58,0	56,0	14,0	36,0
42	54,0	61,0	59,0	14,0	37,5
43	54,0	61,0	59,0	14,0	38,5
45	56,0	63,0	61,0	14,0	39,5
48	59,0	66,0	64,0	14,0	46,0
50	62,0	70,0	66,0	15,0	45,0
53	65,0	73,0	69,0	15,0	47,0
55	67,0	75,0	71,0	15,0	49,0
58	70,0	78,0	76,0	15,0	55,0
60	72,0	80,0	78,0	15,0	55,0
65	77,0	85,0	84,0	15,0	55,0
68	81,0	90,0	88,0	18,0	55,0
70	83,0	92,0	90,0	18,0	57,0
75	88,0	97,0	98,0	18,0	62,0
80	95,0	105,0	100,0	18,2	61,8

RT-20



Teknik Özellikleri — Technical Features

Tekli Salmastra	**Single Seal**
Balanssız	**UnBalanced**
Konik Yaylı	**Conical Spring**
Dönüş Yönüne Bağımlı	**Directional Seal**

Çalışma Limitleri — Operating Limits

d_1 = 6 ... 100 mm	**d_1 = 6 … 100 mm**
p_1 = 10 bar / 145 Psi	**p_1 = 10 bar / 145 Psi**
t_1 = -35 ... 180 °C / -31 ... 356 °F	**t_1 = -35 … 180 °C /-31 … 356 °F**
v_g = 15 m/s…49,2 ft/s	**v_g = 15 m/s…49,2 ft/s**
Eksenel Hareket : ± 1,0 mm	**Axial Movement: ± 1,0 mm**

Materyal Kombinasyonları — Material Combinations

Döner Eleman Yüzey Seçenekleri	**Seal Face Alternatives**
• Paslanmaz Çelik	**• Stainless Steel**
Sabit Eleman Yüzey Seçenekleri	**Seat Face Alternatives**
• Karbon	**• Carbon Graphite**

Elastomerler — Elastomers

FKM (Viton®), Nitril (NBR), EPDM, Silikon Kauçuk	**FKM (Viton®), Nitrile, EPDM, Silicon Rubber**

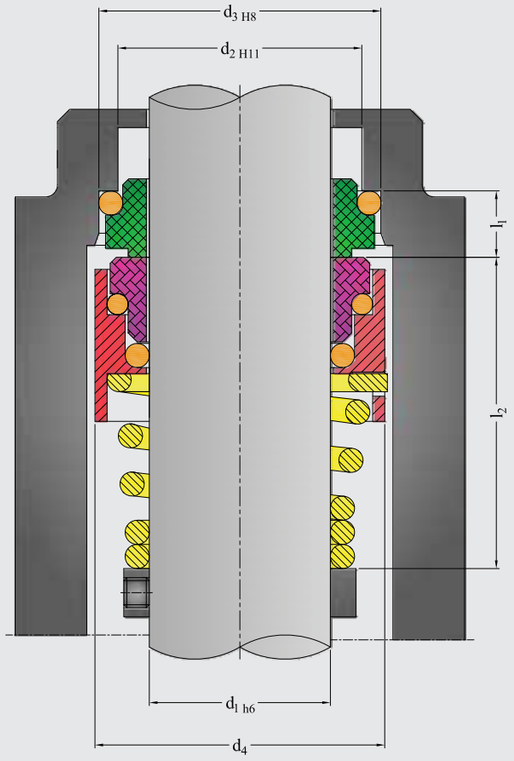
Sabit Eleman Form Seçenekleri — Stationary Seat Alternatives

G-45 / G-9

d_1	d_2	d_3	d_4	l_1	l_2
6	10,6	13,1	12,0	4,5	15,0
8	13,0	17,1	16,0	5,5	15,0
10	14,0	18,1	20,0	5,5	15,0
12	16,5	20,6	22,0	5,5	18,0
14	19,0	23,1	24,0	6,0	22,0
15	21,0	26,9	24,0	7,0	22,0
16	21,0	26,9	26,0	7,0	23,0
17	21,0	26,9	26,0	7,0	23,0
18	25,0	30,9	32,0	8,0	24,0
19	25,0	30,9	32,0	8,0	25,0
20	25,0	30,9	34,0	8,0	25,0
22	30,0	35,4	36,0	8,0	25,0
24	30,0	35,4	38,0	8,0	27,0
25	33,0	38,2	39,0	8,5	27,0
26	33,0	38,2	39,0	8,5	27,0
28	38,0	43,3	42,0	9,0	29,0
30	38,0	43,3	44,0	9,0	30,0
32	38,0	43,3	46,0	9,0	30,0
33	45,0	53,5	47,0	11,5	39,0

d_1	d_2	d_3	d4	l_1	l_2
35	45,0	53,5	49,0	11,5	39,0
38	52,0	60,5	54,0	11,5	39,0
40	52,0	60,5	56,0	11,5	39,0
42	52,0	60,5	57,0	11,5	39,0
43	52,0	60,5	58,0	11,5	39,0
45	57,0	65,5	61,0	11,5	41,0
48	57,0	65,5	64,0	11,5	41,0
50	64,0	72,5	66,0	11,5	45,0
55	64,0	72,5	71,0	11,5	47,0
60	72,0	79,3	80,0	11,5	49,0
65	77,0	84,5	85,0	11,5	51,0
70	82,0	89,5	90,0	11,5	51,0
75	87,0	94,5	99,0	11,5	57,0
80	92,0	99,5	104,0	11,5	59,0
85	98,0	105,5	109,0	13,5	59,0
90	105,0	111,5	114,0	13,5	62,0
95	110,0	116,5	119,0	13,5	62,0
100	114,0	119,5	124,0	13,5	75,0

RT-50



Teknik Özellikleri	**Technical Features**
Tekli Salmastra	**Single Seal**
Balanssız	**UnBalanced**
Konik Yaylı	**Conical Spring**
Dönme Yönüne Bağımlı	**Directional Seal**

Çalışma Limitleri	**Operating Limits**
d_1 = 14 ... 150 mm	**d_1 = 14 ,,, 150 mm**
p_1 = 16 bar / 232 Psi	**p_1 = 16 bar / 232 Psi**
t_1 = -35 ... 180 °C /-31 ... 356 °F	**t_1= -35 ... 180 °C /-31 ... 356 °F**
v_g = 15 m/s ... 49,2 ft/s	**v_g = 15 m/s ... 49,2 ft/s**
Eksenel Hareket : ± 1,0 mm	**Axial Movement: ± 1,0 mm**

Materyal Kombinasyonları	**Material Combinations**
Döner Eleman Yüzey Seçenekleri	**Seal Face Alternatives**
• Silisyum Karbür	**• Silicon Carbide**
• Tungsten Karbür	**• Tungsten Carbide**
• Paslanmaz Çelik	**• Stainless Steel**
• Karbon	**• Carbon Graphite**
• Seramik	**• Ceramic**
Sabit Eleman Yüzey Seçenekleri	**Seat Face Alternatives**
• Silisyum Karbür	**• Silicon Carbide**
• Tungsten Karbür	**• Tungsten Carbide**
• Paslanmaz Çelik	**• Stainless Steel**
• Karbon	**• Carbon Graphite**
• Seramik	**• Ceramic**

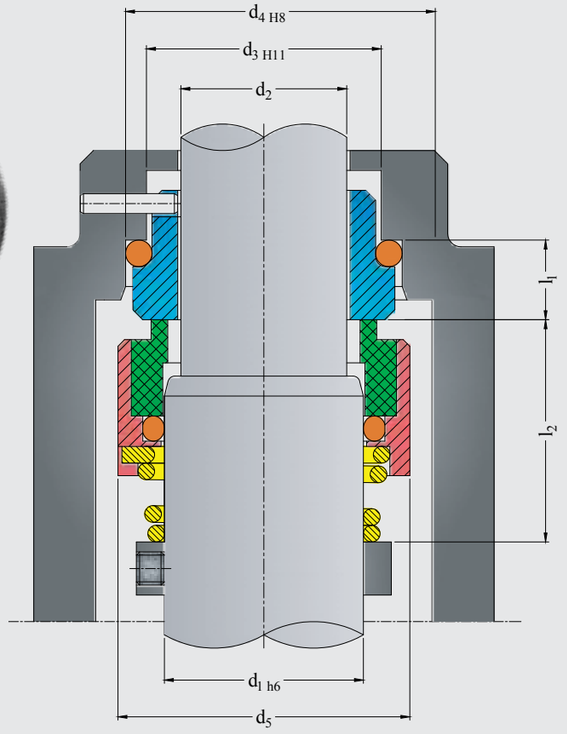
Elastomerler	**Elastomers**
FKM (Viton®), Nitril (NBR), EPDM, Silikon Kauçuk	**FKM (Viton®), Nitrile, EPDM, Silicon Rubber**

Sabit Eleman Form Seçenekleri	**Stationary Seat Alternatives**
G-45 / G-9	

d_1	d_2	d_3	d_4	l_1	l_2
14	19,0	23,1	24,5	6,0	27,0
15	21,0	26,9	28,5	7,0	27,0
16	21,0	26,9	28,5	7,0	28,0
18	25,0	30,9	32,5	8,0	30,0
19	25,0	30,9	33,0	8,0	30,0
20	25,0	30,9	33,0	8,0	30,0
22	30,0	35,4	37,0	8,0	30,0
24	30,0	35,4	37,0	8,0	32,0
25	33,0	38,2	40,0	8,5	33,0
28	38,0	43,3	45,0	9,0	36,0
30	38,0	43,3	46,5	9,0	37,0
32	38,0	43,3	46,5	9,0	37,0
33	45,0	53,5	57,0	11,5	48,0
35	45,0	53,5	57,0	11,5	48,0
38	52,0	60,5	64,0	11,5	48,0
40	52,0	60,5	64,0	11,5	48,0
42	52,0	60,5	64,0	11,5	48,0
43	52,0	60,5	64,0	11,5	48,0

d_1	d_2	d_3	d_4	l_1	l_2
45	57,0	65,5	68,5	11,5	51,0
48	57,0	65,5	69,5	11,5	51,0
50	64,0	72,5	77,0	11,5	55,0
55	64,0	72,5	75,0	11,5	57,0
60	72,0	79,3	83,0	11,5	61,0
65	77,0	84,5	89,0	11,5	63,0
70	82,0	89,5	90,0	11,5	63,0
75	87,0	94,5	95,0	11,5	68,0
80	92,0	99,5	97,0	11,5	70,0
85	98,0	105,5	110,0	13,5	72,0
90	105,0	111,5	115,0	13,5	75,0
95	110,0	116,5	120,0	13,5	75,0
100	114,0	119,5	124,5	13,5	85,0
110	124,0	132,5	135,0	17,5	89,0
120	134,0	142,2	145,0	17,5	97,0
130	145,0	153,2	160,0	17,5	108,0
140	157,0	164,3	175,0	18,5	110,0
150	167,0	174,2	190,0	18,5	120,0

RT-H 12 N



Teknik Özellikleri	**Technical Features**
Tekli Salmastra	**Single Seal**
Balanslı	**Balanced**
Konik Yaylı	**Conical Spring**
Dönüş Yönüne Bağımlı EN 12756 - DIN 24960	**Directional Seal EN 12756 - DIN 24960**

Çalışma Limitleri	**Operating Limits**
d_1 = 14 ... 85 mm	**d_1 = 14 ... 85 mm**
p_1 = 25 bar / 360 Psi	**p_1 = 25 bar / 360 Psi**
t_1 = -80 ... 220 °C /-175 ... 430 °F	**t_1 = -80 ... 220 °C/-175 ... 430 °F**
v_g = 15 m/s ... 50 ft/s	**v_g =15 m/s ... 50 ft/s**
Eksenel Hareket : ± 1,0 mm	**Axial Movement: ± 1,0 mm**

Materyal Kombinasyonları	**Material Combinations**
Döner Eleman Yüzey Seçenekleri	**Seal Face Alternatives**
• Silisyum Karbür	**• Silicon Carbide**
• Karbon	**• Carbon Graphite**
Sabit Eleman Yüzey Seçenekleri	**Seat Face Alternatives**
• Silisyum Karbür	**• Silicon Carbide**
• Paslanmaz Çelik	**• Stainless Steel**
• Karbon	**• Carbon Graphite**
• Seramik	**• Ceramic**

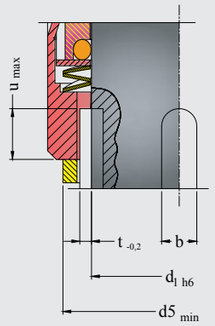
Elastomerler	**Elastomers**
FKM (Viton®), Nitril (NBR), EPDM, Silikon Kauçuk	**FKM (Viton®), Nitrile, EPDM, Silicon Rubber**

Sabit Eleman Form Seçenekleri	**Stationary Seat Alternatives**
G-9	

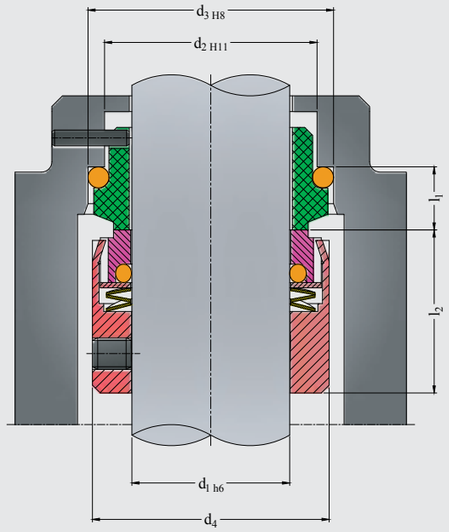
d_1	d_2	d_3	d_4	l_1	l_2
14	10,0	17,0	21,0	10,0	25,5
16	12,0	19,0	23,0	10,0	26,5
18	14,0	21,0	25,0	10,0	29,5
20	16,0	23,0	27,0	10,0	31,0
22	18,0	27,0	33,0	11,5	32,5
24	20,0	29,0	35,0	11,5	32,5
26	22,0	31,0	37,0	11,5	32,5
28	24,0	33,0	39,0	11,5	32,5
30	25,0	34,0	40,0	11,5	33,5
33	28,0	37,0	43,0	11,5	35,5
35	30,0	39,0	45,0	11,5	35,5
38	32,0	42,0	48,0	11,5	39,5
38	33,0	42,0	48,0	11,5	39,5
40	35,0	44,0	50,0	11,5	43,5
43	38,0	49,0	56,0	14,0	46,0

d_1	d_2	d_3	d_4	l_1	l_2
45	40,0	51,0	58,0	14,0	48,0
48	43,0	54,0	61,0	14,0	51,0
50	45,0	56,0	63,0	14,0	55,0
53	48,0	59,0	66,0	14,0	55,0
55	50,0	62,0	70,0	15,0	58,0
58	53,0	65,0	73,0	15,0	60,0
60	55,0	67,0	75,0	15,0	60,0
63	58,0	70,0	78,0	15,0	60,0
65	60,0	72,0	80,0	15,0	60,0
68	63,0	75,0	83,0	15,0	60,0
70	65,0	77,0	85,0	15,0	61,0
75	70,0	83,0	92,0	18,0	63,0
80	75,0	88,0	97,0	18,0	68,0
85	80,0	95,0	105,0	18,2	68,0

RT-7 N



RT-7 S2



RT-7 S2

Ölçüler, parça numaraları ve açıklamalar RT-7 ile aynı fakat kama tahrikli.(setskursuz).

Dimensions, items and descriptions as type RT-7, but with drive key. (without set screws).

Teknik Özellikleri	**Technical Features**
Tekli Salmastra	**Single Seal**
Balanssız	**UnBalanced**
Dönüş Yönüne Bağımsız	**Bi-Directional Seal**
EN 12756 - DIN 24960	**EN 12756 - DIN 24960**

Çalışma Limitleri	**Operating Limits**
d_1 = 14 ... 100 mm	**d_1 = 14 ... 100 mm**
P_1 = 16 (25) bar / 230 (360) Psi	**P_1 = 16 (25) bar / 230 (360) Psi**
t_1 = -30 ... 200 °C /-22 ... 392 °F	**t_1 = -30 ... 200 °C /-22 ... 392 °F**
v_g = 20 m/s ... 66 ft/s	**v_g = 20 m/s ... 66 ft/s**
Eksenel Hareket	**Axial Movement**
$d_1 \leq 25$ mm ± 1,0 mm	**$d_1 \leq 25$ mm ± 1,0 mm**
$28 \leq d_2 \leq 63$ mm ± 1,5 mm	**$28 \leq d_2 \leq 63$ mm ± 1,5 mm**
$d_1 \geq 65$ mm ± 2,0 mm	**$d_1 \geq 65$ mm ± 2,0 mm**

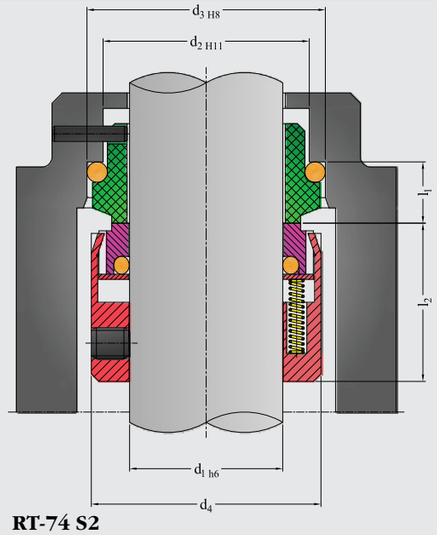
Materyal Kombinasyonları	**Material Combinations**
Döner Eleman Yüzey Seçenekleri	**Seal Face Alternatives**
• Silisyum Karbür	**• Silicon Carbide**
• Tungsten Karbür	**• Tungsten Carbide**
• Paslanmaz Çelik	**• Stainless Steel**
• Karbon	**• Carbon Graphite**
• Seramik	**• Ceramic**
Sabit Eleman Yüzey Seçenekleri	**Seat Face Alternatives**
• Silisyum Karbür	**• Silicon Carbide**
• Tungsten Karbür	**• Tungsten Carbide**
• Paslanmaz Çelik	**• Stainless Steel**
• Karbon	**• Carbon Graphite**
• Seramik	**• Ceramic**

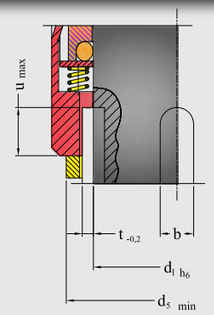
Elastomerler	**Elastomers**
FKM (Viton®), Nitril (NBR), EPDM, Silikon Kauçuk	**FKM (Viton®), Nitrile, EPDM, Silicon Rubber**

Sabit Eleman Form Seçenekleri	**Stationary Seat Alternatives**
G-4 / G-6 / G-9 / G-50 / G-60 / G-606	

d_1	d_2	d_3	d_4	d_5	l_1	l_2	b	u_{max}	t
14	21,0	25,0	25,0	16,0	10,0	25,0	4	10	1,5
16	23,0	27,0	27,0	18,0	10,0	25,0	4	10	1,5
18	27,0	33,0	33,0	20,0	11,5	26,0	5	12	1,1
20	29,0	35,0	35,0	22,0	11,5	26,0	5	12	1,1
22	31,0	37,0	37,0	24,0	11,5	26,0	6	12	1,5
24	33,0	39,0	39,0	26,0	11,5	28,5	6	12	1,5
25	34,0	40,0	40,0	27,0	11,5	28,5	6	12	1,5
28	37,0	43,0	43,0	30,0	11,5	31,5	6	13	1,5
30	39,0	45,0	45,0	32,0	11,5	31,0	6	13	1,5
32	42,0	48,0	47,0	34,0	11,5	31,0	6	13	1,5
33	42,0	48,0	48,0	35,0	11,5	31,0	6	13	1,5
35	44,0	50,0	50,0	37,0	11,5	31,0	6	13	1,5
38	49,0	56,0	55,0	40,0	14,0	31,0	6	13	1,5
40	51,0	58,0	57,0	42,0	14,0	31,0	6	13	1,5
43	54,0	61,0	60,0	45,0	14,0	31,0	6	13	1,5
45	56,0	63,0	62,0	47,0	14,0	31,0	6	13	1,5
48	59,0	66,0	65,0	50,0	14,0	31,0	6	13	1,5
50	62,0	70,0	67,0	52,0	15,0	32,5	6	13	1,5
53	65,0	73,0	70,0	55,0	15,0	32,5	6	13	1,5
55	67,0	75,0	72,0	57,0	15,0	32,5	6	13	1,5
58	70,0	78,0	79,0	60,0	15,0	37,5	8	13	1,9
60	72,0	80,0	81,0	62,0	15,0	37,5	8	13	1,9
63	75,0	83,0	84,0	65,0	15,0	37,5	8	13	1,9
65	77,0	85,0	86,0	67,0	15,0	37,5	8	13	1,9
68	81,0	90,0	89,0	70,0	18,0	34,5	8	13	1,9
70	83,0	92,0	91,0	72,0	18,0	42,0	8	16	1,9
75	88,0	97,0	99,0	77,0	18,0	42,0	8	16	1,9
80	95,0	105,0	104,0	82,0	18,2	41,8	8	16	1,9
85	100,0	110,0	109,0	87,0	18,2	41,8	8	16	1,9
90	105,0	115,0	114,0	90,0	18,2	46,8	10	20	2,3
95	110,0	120,0	119,0	97,0	17,2	47,8	10	20	2,3
100	115,0	125,0	124,0	102,0	17,2	47,8	10	20	2,3

RT-74





RT-74 S2

RT-74 S2

Ölçüler, parça numaraları ve açıklamalar RT-74 ile aynı fakat kama tahrikli.(setskursuz).

Dimensions, items and descriptions as type RT-74, but with drive key. (without set screws).

Teknik Özellikleri	**Technical Features**
Tekli Salmastra	**Single Seal**
Balanssız	**UnBalanced**
Dönüş Yönüne Bağımsız	**Bi-Directional Seal**
EN 12756 - DIN 24960	**EN 12756 - DIN 24960**

Çalışma Limitleri	**Operating Limits**
d_1 = 14 ... 200 mm	**d_1 = 14 ... 200 mm**
p_1 = 16 (25) bar / 230 (360) Psi	**p_1 = 16 (25) bar / 230 (360) Psi**
t_1 = -30 ... 200 °C / -22 ... 392 °F	**t_1 = -30 ... 200 °C / -22 ... 392 °F**
v_g = 20 m/s ... 66 ft/s	**v_g = 20 m/s ... 66 ft/s**
Eksenel Hareket	**Axial Movement**
$d_1 \leq 25$ mm ± 1,0 mm	**$d_1 \leq 25$ mm ± 1,0 mm**
$28 \leq d_2 \leq 63$ mm ± 1,5 mm	**$28 \leq d_2 \leq 63$ mm ± 1,5 mm**
$d_1 \geq 65$ mm ± 2,0 mm	**$d_1 \geq 65$ mm ± 2,0 mm**

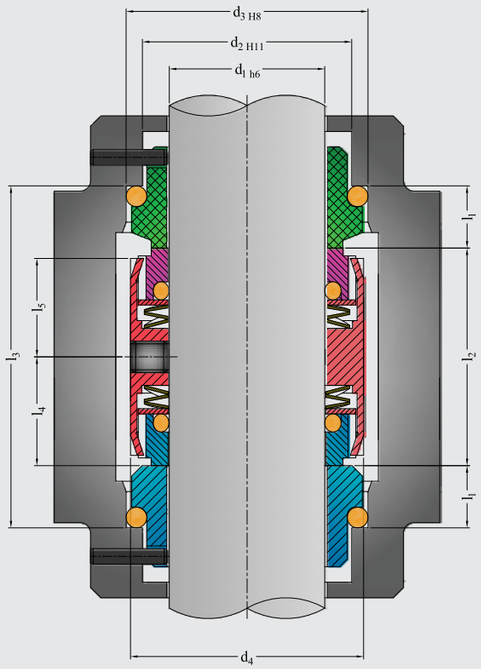
Materyal Kombinasyonları	**Material Combinations**
Döner Eleman Yüzey Seçenekleri	**Seal Face Alternatives**
• Silisyum Karbür	**• Silicon Carbide**
• Tungsten Karbür	**• Tungsten Carbide**
• Paslanmaz Çelik	**• Stainless Steel**
• Karbon	**• Carbon Graphite**
• Seramik	**• Ceramic**
Sabit Eleman Yüzey Seçenekleri	**Seat Face Alternatives**
• Silisyum Karbür	**• Silicon Carbide**
• Tungsten Karbür	**• Tungsten Carbide**
• Paslanmaz Çelik	**• Stainless Steel**
• Karbon	**• Carbon Graphite**
• Seramik	**• Ceramic**

Elastomerler	**Elastomers**
FKM (Viton®), Nitril (NBR), EPDM, Silikon Kauçuk	**FKM (Viton®), Nitrile , EPDM, Silicon Rubber**

Sabit Eleman Form Seçenekleri	**Stationary Seat Alternatives**
G-4 / G-6 / G-9 / G-13 / G-50 / G-60 / G-606	

d_1	d_2	d_3	d_4	d_5	l_1	l_2	b	u_{max}	t
14	21,0	25,0	25,0	16,0	10,0	25,0	4	10	1,5
16	23,0	27,0	27,0	18,0	10,0	25,0	4	10	1,5
18	27,0	33,0	33,0	20,0	11,5	26,0	5	12	1,1
20	29,0	35,0	35,0	22,0	11,5	26,0	5	12	1,1
22	31,0	37,0	37,0	24,0	11,5	26,0	6	12	1,5
24	33,0	39,0	39,0	26,0	11,5	28,5	6	12	1,5
25	34,0	40,0	40,0	27,0	11,5	28,5	6	12	1,5
28	37,0	43,0	43,0	30,0	11,5	31,5	6	13	1,5
30	39,0	45,0	45,0	32,0	11,5	31,0	6	13	1,5
32	42,0	48,0	47,0	34,0	11,5	31,0	6	13	1,5
33	42,0	48,0	48,0	35,0	11,5	31,0	6	13	1,5
35	44,0	50,0	50,0	37,0	11,5	31,0	6	13	1,5
38	49,0	56,0	55,0	40,0	14,0	31,0	6	13	1,5
40	51,0	58,0	57,0	42,0	14,0	31,0	6	13	1,5
43	54,0	61,0	60,0	45,0	14,0	31,0	6	13	1,5
45	56,0	63,0	62,0	47,0	14,0	31,0	6	13	1,5
48	59,0	66,0	65,0	50,0	14,0	31,0	6	13	1,5
50	62,0	70,0	67,0	52,0	15,0	32,5	6	13	1,5
53	65,0	73,0	70,0	55,0	15,0	32,5	6	13	1,5
55	67,0	75,0	72,0	57,0	15,0	32,5	6	13	1,5
58	70,0	78,0	79,0	60,0	15,0	37,5	8	13	1,9
60	72,0	80,0	81,0	62,0	15,0	37,5	8	13	1,9
63	75,0	83,0	84,0	65,0	15,0	37,5	8	13	1,9
65	77,0	85,0	86,0	67,0	15,0	37,5	8	13	1,9
68	81,0	90,0	89,0	70,0	18,0	34,5	8	13	1,9
70	83,0	92,0	91,0	72,0	18,0	42,0	8	16	1,9
75	88,0	97,0	99,0	77,0	18,0	42,0	8	16	1,9
80	95,0	105,0	104,0	82,0	18,2	41,8	8	16	1,9
85	100,0	110,0	109,0	87,0	18,2	41,8	8	16	1,9
90	105,0	115,0	114,0	90,0	18,2	46,8	10	20	2,3
95	110,0	120,0	119,0	97,0	17,2	47,8	10	20	2,3
100	115,0	125,0	124,0	102,0	17,2	47,8	10	20	2,3
105	122,2	134,3	138,0	108,0	20,0	47,0	10	20	2,3
110	128,2	140,3	143,0	113,0	20,0	47,0	10	20	2,3
115	136,2	148,3	148,0	118,0	20,0	47,0	10	20	2,3
120	138,2	150,3	153,0	123,0	20,0	47,0	10	20	2,3
125	142,2	154,3	158,0	128,0	20,0	47,0	10	20	2,3
130	146,2	158,3	163,0	133,0	20,0	47,0	10	20	2,3
135	152,2	164,3	168,0	138,0	20,0	47,0	10	20	2,3
140	156,2	168,3	173,0	143,0	20,0	47,0	10	20	2,3
145	161,2	173,3	178,0	148,0	20,0	47,0	10	20	2,3
150	168,2	180,3	183,0	153,0	22,0	47,0	10	20	2,3
155	173,2	185,3	191,0	158,0	24,0	56,0	12	24	2,1
160	178,2	190,3	196,0	163,0	24,0	56,0	12	24	2,1
165	183,2	195,3	201,0	168,0	24,0	56,0	12	24	2,1
170	188,2	200,3	206,0	173,0	24,0	56,0	12	24	2,1
175	193,2	205,3	211,0	178,0	24,0	56,0	12	24	2,1
180	207,5	219,3	216,0	183,0	28,0	56,0	12	24	2,1
185	212,5	224,3	221,0	188,0	28,0	56,0	12	24	2,1
190	217,5	229,3	226,0	193,0	28,0	56,0	12	24	2,1
195	222,5	234,3	231,0	198,0	28,0	56,0	12	24	2,1
200	227,5	239,3	236,0	203,0	28,0	56,0	12	24	2,1

RT-7 D



Teknik Özellikleri — Technical Features

Çiftli Salmastra	**Double Seal**
Balanssız	**UnBalanced**
Dönüş Yönüne Bağımsız	**Bi-Directional Seal**
Çok Yaylı	**Multi-Spring**
EN 12756 - DIN 24960	**EN 12756 - DIN 24960**

Çalışma Limitleri — Operating Limits

d_1 = 18 ... 100 mm	**d_1 = 18 ... 100 mm**
p_1 = 16 (25) bar / 230 (360) Psi	**p_1 = 16 (25) bar / 230 (360) Psi**
t_1 = -30 ... 200 °C / -22 ... 392 °F	**t_1 = -30 ... 200 / °C -22 ... 392 °F**
v_g = 20 m/s 66 ft/s	**v_g = 20 m/s 66 ft/s**
Eksenel Hareket	**Axial Movement**
$d_1 \leq 100$ mm ± 0,5 mm	**$d_1 \leq 100$ mm ± 0,5 mm**
$d_1 > 100$ mm ± 2,0 mm	**$d_1 > 100$ mm ± 2,0 mm**

Materyal Kombinasyonları — Material Combinations

Döner Eleman Yüzey Seçenekleri	**Seal Face Alternatives**
• Silisyum Karbür	**• Silicon Carbide**
• Tungsten Karbür	**• Tungsten Carbide**
• Paslanmaz Çelik	**• Stainless Steel**
• Karbon	**• Carbon Graphite**
• Seramik	**• Ceramic**
Sabit Eleman Yüzey Seçenekleri	**Seat Face Alternatives**
• Silisyum Karbür	**• Silicon Carbide**
• Tungsten Karbür	**• Tungsten Carbide**
• Paslanmaz Çelik	**• Stainless Steel**
• Karbon	**• Carbon Graphite**
• Seramik	**• Ceramic**

Elastomerler — Elastomers

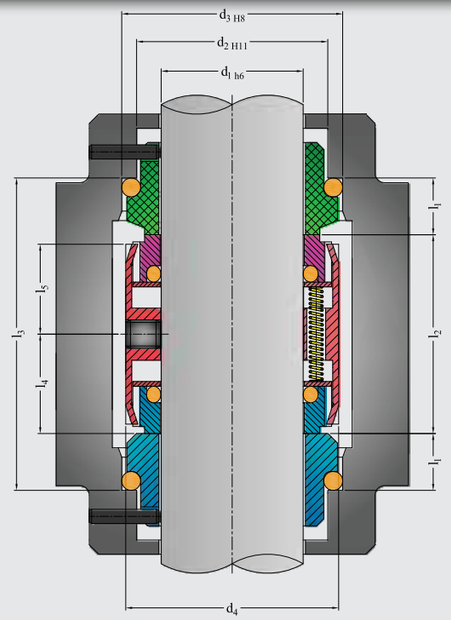
FKM (Viton®), Nitril (NBR), EPDM, Silikon Kauçuk	**FKM (Viton®), Nitrile, EPDM, Silicon Rubber**

Sabit Eleman Form Seçenekleri — Stationary Seat Alternatives

G-4 / G-6 / G-9 / G-13 / G-50 / G-60 / G-606

d_1	d_2	d_3	d_4	l_1	l_2	l_3	l_4	l_5
18	27,0	33,0	33,0	11,5	26,0	61,0	19,0	17,0
20	29,0	35,0	35,0	11,5	26,0	61,0	19,0	17,0
22	31,0	37,0	37,0	11,5	26,0	61,0	19,0	17,0
24	33,0	39,0	39,0	11,5	28,5	61,0	19,0	17,0
25	34,0	40,0	40,0	11,5	28,5	61,0	19,0	17,0
28	37,0	43,0	43,0	11,5	31,5	62,0	19,5	17,5
30	39,0	45,0	45,0	11,5	31,0	62,0	19,5	17,5
32	42,0	48,0	47,0	11,5	31,0	62,0	19,5	17,5
33	42,0	48,0	48,0	11,5	31,0	62,0	19,5	17,5
35	44,0	50,0	50,0	11,5	31,0	62,0	19,5	17,5
38	49,0	56,0	55,0	14,0	31,0	69,0	20,5	18,5
40	51,0	58,0	57,0	14,0	31,0	70,0	21,0	19,0
43	54,0	61,0	60,0	14,0	31,0	70,0	21,0	19,0
45	56,0	63,0	62,0	14,0	31,0	70,0	21,0	19,0
48	59,0	66,0	65,0	14,0	31,0	70,0	21,0	19,0
50	62,0	70,0	67,0	15,0	32,5	73,0	21,5	19,5
53	65,0	73,0	70,0	15,0	32,5	73,0	21,5	19,5
55	67,0	75,0	72,0	15,0	32,5	73,0	21,5	19,5
58	70,0	78,0	79,0	15,0	37,5	86,0	28,0	23,5
60	72,0	80,0	81,0	15,0	37,5	86,0	28,0	23,5
63	75,0	83,0	84,0	15,0	37,5	85,0	27,5	24,5
65	77,0	85,0	86,0	15,0	37,5	85,0	27,5	24,5
68	81,0	90,0	89,0	18,0	34,5	91,0	27,5	24,5
70	83,0	92,0	91,0	18,0	42,0	92,0	28,0	23,5
75	88,0	97,0	99,0	18,0	42,0	92,0	28,0	25,5
80	95,0	105,0	104,0	18,2	41,8	92,5	28,0	25,5
85	100,0	110,0	109,0	18,2	41,8	92,5	28,0	25,0
90	105,0	115,0	114,0	18,2	46,8	92,5	28,0	25,5
95	110,0	120,0	119,0	17,2	47,8	90,5	28,0	25,0
100	115,0	125,0	124,0	17,2	47,8	90,5	28,0	25,0

RT-74 D



Teknik Özellikleri — Technical Features

Çiftli Salmastra	**Double Seal**
Balanssız	**UnBalanced**
Dönüş Yönüne Bağımsız	**Bi-Directional Seal**
Çok Yaylı	**Multi-Spring**
EN 12756 - DIN 24960	**EN 12756 - DIN 24960**

Çalışma Limitleri — Operating Limits

d_1 = 18 ... 200 mm	**d_1 = 18 ... 200 mm**
p_1 = 16 (25) bar / 230 (360) Psi	**p_1 = 16 (25) bar /230 (360) Psi**
t_1 = -30 ... 200 °C / -22 ... 392 °F	**t_1 = -30 ... 200 °C / -22 ... 392 °F**
v_g = 20 m/s ... 66 ft/s	**v_g = 20 m/s ... 66 ft/s**
Eksenel Hareket	**Axial Movement**
$d_1 \leq 100$ mm ± 0,5 mm	**$d_1 \leq 100$ mm ± 0,5 mm**
$d_1 > 100$ mm ± 2,0 mm	**$d_1 > 100$ mm ± 2,0 mm**

Materyal Kombinasyonları — Material Combinations

Döner Eleman Yüzey Seçenekleri	**Seal Face Alternatives**
• Silisyum Karbür	**• Silicon Carbide**
• Tungsten Karbür	**• Tungsten Carbide**
• Paslanmaz Çelik	**• Stainless Steel**
• Karbon	**• Carbon Graphite**
• Seramik	**• Ceramic**
Sabit Eleman Yüzey Seçenekleri	**Seat Face Alternatives**
• Silisyum Karbür	**• Silicon Carbide**
• Tungsten Karbür	**• Tungsten Carbide**
• Paslanmaz Çelik	**• Stainless Steel**
• Karbon	**• Carbon Graphite**
• Seramik	**• Ceramic**

Elastomerler — Elastomers

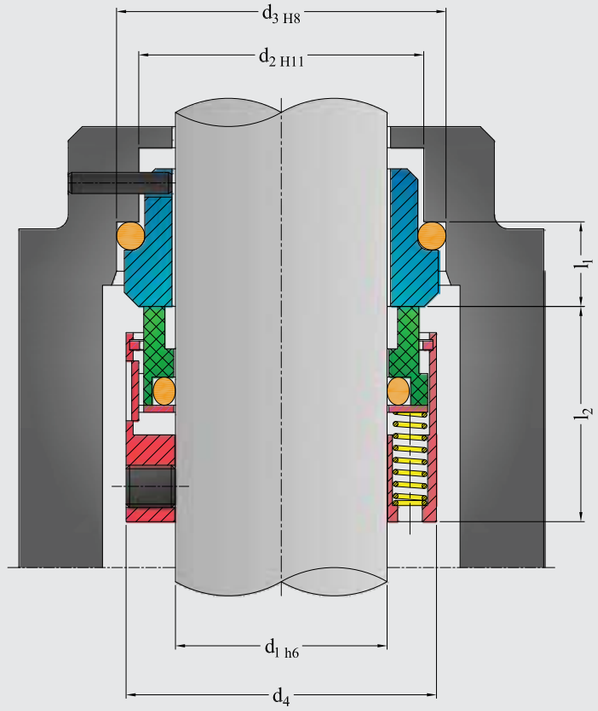
FKM (Viton®), Nitril (NBR), EPDM, Silikon Kauçuk	**FKM (Viton®), Nitrile, EPDM, Silicon Rubber**

Sabit Eleman Form Seçenekleri — Stationary Seat Alternatives

G-4 / G-6 / G-9 / G-13 / G-50 / G-60 / G-606

d_1	d_2	d_3	d_4	l_1	l_2	l_3	l_4	l_5
18	27,0	33,0	33,0	11,5	38,0	61,0	19,0	17,0
20	29,0	35,0	35,0	11,5	38,0	61,0	19,0	17,0
22	31,0	37,0	37,0	11,5	38,0	61,0	19,0	17,0
24	33,0	39,0	39,0	11,5	38,0	61,0	19,0	17,0
25	34,0	40,0	40,0	11,5	38,0	61,0	19,0	17,0
28	37,0	43,0	43,0	11,5	39,0	62,0	19,5	17,5
30	39,0	45,0	45,0	11,5	39,0	62,0	19,5	17,5
32	42,0	48,0	47,0	11,5	39,0	62,0	19,5	17,5
33	42,0	48,0	48,0	11,5	39,0	62,0	19,5	17,5
35	44,0	50,0	50,0	11,5	39,0	62,0	19,5	17,5
38	49,0	56,0	55,0	14,0	41,0	69,0	20,5	18,5
40	51,0	58,0	57,0	14,0	42,0	70,0	21,0	19,0
43	54,0	61,0	60,0	14,0	42,0	70,0	21,0	19,0
45	56,0	63,0	62,0	14,0	42,0	70,0	21,0	19,0
48	59,0	66,0	65,0	14,0	42,0	70,0	21,0	19,0
50	62,0	70,0	67,0	15,0	43,0	73,0	21,5	19,5
53	65,0	73,0	70,0	15,0	43,0	73,0	21,5	19,5
55	67,0	75,0	72,0	15,0	43,0	73,0	21,5	19,5
58	70,0	78,0	79,0	15,0	56,0	86,0	28,0	23,5
60	72,0	80,0	81,0	15,0	56,0	86,0	28,0	23,5
63	75,0	83,0	84,0	15,0	55,0	85,0	27,5	24,5
65	77,0	85,0	86,0	15,0	55,0	85,0	27,5	24,5
68	81,0	90,0	89,0	18,0	55,0	91,0	27,5	24,5
70	83,0	92,0	91,0	18,0	56,0	92,0	28,0	23,5
75	88,0	97,0	99,0	18,0	56,0	92,0	28,0	25,5
80	95,0	105,0	104,0	18,2	56,0	92,4	28,0	25,5
85	100,0	110,0	109,0	18,2	56,0	92,4	28,0	25,0
90	105,0	115,0	114,0	18,2	56,0	92,4	28,0	25,5
95	110,0	120,0	119,0	17,2	56,0	90,4	28,0	25,0
100	115,0	125,0	124,0	17,2	56,0	90,4	28,0	25,0
105	122,2	134,3	138,0	20,0	68,0	108,0	34,0	30,5
110	128,2	140,3	143,0	20,0	70,0	110,0	35,0	31,5
115	136,2	148,3	148,0	20,0	70,0	110,0	35,0	31,5
120	138,2	150,3	153,0	20,0	70,0	110,0	35,0	31,5
125	142,2	154,3	158,0	20,0	70,0	110,0	35,0	31,5
130	146,2	158,3	163,0	20,0	70,0	110,0	35,0	31,5
135	152,2	164,3	168,0	20,0	70,0	110,0	35,0	31,5
140	156,2	168,3	173,0	20,0	70,0	110,0	35,0	31,5
145	161,2	173,3	178,0	20,0	70,0	110,0	35,0	31,5
150	168,2	180,3	183,0	22,0	70,0	114,0	35,0	31,5
155	173,2	185,3	191,0	24,0	79,0	127,0	39,5	35,5
160	178,2	190,3	196,0	24,0	79,0	127,0	39,5	35,5
165	183,2	195,3	201,0	24,0	79,0	127,0	39,5	35,5
170	188,2	200,3	206,0	24,0	79,0	127,0	39,5	35,5
175	193,2	205,3	211,0	24,0	79,0	127,0	39,5	35,5
180	207,5	219,3	216,0	28,0	79,0	135,0	39,5	35,5
185	212,5	224,3	221,0	28,0	79,0	135,0	39,5	35,5
190	217,5	229,3	226,0	28,0	79,0	135,0	39,5	35,5
195	222,5	234,3	231,0	28,0	79,0	135,0	39,5	35,5
200	227,5	239,3	236,0	28,0	79,0	135,0	39,5	35,5

RT-9 O



Teknik Özellikleri	**Technical Features**
Tekli Salmastra	**Single Seal**
Balanssız	**Unbalanced**
Çok Yaylı	**Multi Spring**
Dönüş Yönüne Bağımsız	**Bi-Directional Seal**
ISO 3069 - DIN 24960	**ISO 3069 - DIN 24960**

Çalışma Limitleri	**Operating Limits**
d_1 = 14 ... 100 mm	**d_1 = 14 ... 100 mm**
p_1 = 24 bar / 350 Psi	**p_1 = 24 bar / 350 Psi**
t_1 = -40 ... 205 °C /-40 ... 401 °F	**t_1 = -40 ... 205 °C / -40 ... 401 °F**
v_g = 20 m/s ... 66 ft/s	**v_g = 20 m/s ... 66 ft/s**

Materyal Kombinasyonları	**Material Combinations**
Döner Eleman Yüzey Seçenekleri	**Seal Face Alternatives**
• Silisyum Karbür	**• Silicon Carbide**
• Karbon	**• Carbon Graphite**
Sabit Eleman Yüzey Seçenekleri	**Seat Face Alternatives**
• Silisyum Karbür	**• Silicon Carbide**
• Tungsten Karbür	**• Tungsten Carbide**
• Paslanmaz Çelik	**• Stainless Steel**
• Karbon	**• Carbon Graphite**
• Seramik	**• Ceramic**

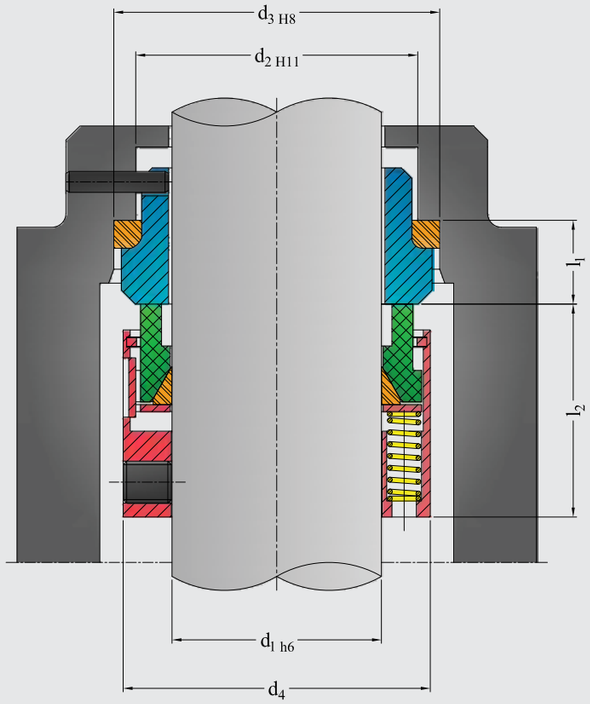
Elastomerler	**Elastomers**
FKM (Viton®), Nitril (NBR), EPDM, Silikon Kauçuk	**FKM (Viton®), Nitrile, EPDM, Silicon Rubber**

Sabit Eleman Form Seçenekleri	**Stationary Seat Alternatives**
G-9 / G-6	

d_1	d_2	d_3	d_4	l_1	l_2
14	21,0	25,0	24,0	10,0	23,0
16	23,0	27,0	26,0	10,0	23,0
18	27,0	33,0	32,0	11,5	24,0
20	29,0	35,0	34,0	11,5	24,0
22	31,0	37,0	36,0	11,5	24,0
24	33,0	39,0	38,0	11,5	26,7
25	34,0	40,0	39,0	11,5	26,0
28	37,0	43,0	42,0	11,5	30,0
30	39,0	45,0	44,0	11,5	30,5
32	42,0	48,0	46,0	11,5	30,5
33	42,0	48,0	47,0	11,5	30,5
35	44,0	50,0	49,0	11,5	30,5
38	49,0	56,0	54,0	14,0	32,0
40	51,0	58,0	56,0	14,0	32,0
43	54,0	61,0	59,0	14,0	32,0
45	56,0	63,0	61,0	14,0	32,0
48	59,0	66,0	64,0	14,0	32,0

d_1	d_2	d_3	d_4	l_1	l_2
50	62,0	70,0	66,0	15,0	34,0
53	65,0	73,0	69,0	15,0	34,0
55	67,0	75,0	71,0	15,0	34,0
58	70,0	78,0	78,0	15,0	39,0
60	72,0	80,0	80,0	15,0	39,0
63	75,0	83,0	83,0	15,0	39,0
65	77,0	85,0	85,0	15,0	39,0
68	81,0	90,0	88,0	18,0	39,0
70	83,0	92,0	90,0	18,0	45,5
75	88,0	97,0	95,0	18,0	45,5
80	95,0	105,0	104,0	18,2	45,0
85	100,0	110,0	109,0	18,2	45,0
90	105,0	115,0	114,0	18,2	50,0
95	110,0	120,0	119,0	17,2	50,0
100	115,0	125,0	124,0	17,2	50,0

RT-9 V



Teknik Özellikleri	**Technical Features**
Tekli Salmastra	**Single Seal**
Balanssız	**UnBalanced**
Çok Yaylı	**Multi Spring**
Dönüş Yönüne Bağımsız	**Bi-Directional Seal**
ISO 3069 - DIN 24960	**ISO 3069 - DIN 24960**

Çalışma Limitleri	**Operating Limits**
d_1 = 14 ... 100 mm	**d_1 = 14 ... 100 mm**
p_1 = 24 bar /350 Psi	**p_1 = 24 bar /350 Psi**
t_1 = -40 ... 205 °C /-40 ... 401 °F	**t_1 = -40 ... 205 °C /-40 ... 401°F**
v_g = 20 m/s...66 ft/s	**v_g = 20 m/s...66 ft/s**

Materyal Kombinasyonları	**Material Combinations**
Döner Eleman Yüzey Seçenekleri	**Seal Face Alternatives**
• Silisyum Karbür	**• Silicon Carbide**
• Karbon	**• Carbon Graphite**
Sabit Eleman Yüzey Seçenekleri	**Seat Face Alternatives**
• Silisyum Karbür	**• Silicon Carbide**
• Tungsten Karbür	**• Tungsten Carbide**
• Paslanmaz Çelik	**• Stainless Steel**
• Karbon	**• Carbon Graphite**
• Seramik	**• Ceramic**

Elastomerler	**Elastomers**
FKM (Viton®), Nitril (NBR), EPDM, Silikon Kauçuk, PTFE	**FKM (Viton®), Nitrile, EPDM, Silicon Rubber, PTFE**

Sabit Eleman Form Seçenekleri	**Stationary Seat Alternatives**
G-9 / G-60	

d_1	d_2	d_3	d_4	l_1	l_2
14	21,0	25,0	24,0	10,0	23,0
16	23,0	27,0	26,0	10,0	23,0
18	27,0	33,0	32,0	11,5	24,0
20	29,0	35,0	34,0	11,5	24,0
22	31,0	37,0	36,0	11,5	24,0
24	33,0	39,0	38,0	11,5	26,7
25	34,0	40,0	39,0	11,5	26,0
28	37,0	43,0	42,0	11,5	30,0
30	39,0	45,0	44,0	11,5	30,5
32	42,0	48,0	46,0	11,5	30,5
33	42,0	48,0	47,0	11,5	30,5
35	44,0	50,0	49,0	11,5	30,5
38	49,0	56,0	54,0	14,0	32,0
40	51,0	58,0	56,0	14,0	32,0
43	54,0	61,0	59,0	14,0	32,0
45	56,0	63,0	61,0	14,0	32,0

d_1	d_2	d_3	d_4	l_1	l_2
48	59,0	66,0	64,0	14,0	32,0
50	62,0	70,0	66,0	15,0	34,0
53	65,0	73,0	69,0	15,0	34,0
55	67,0	75,0	71,0	15,0	34,0
58	70,0	78,0	78,0	15,0	39,0
60	72,0	80,0	80,0	15,0	39,0
63	75,0	83,0	83,0	15,0	39,0
65	77,0	85,0	85,0	15,0	39,0
68	81,0	90,0	88,0	18,0	39,0
70	83,0	92,0	90,0	18,0	45,5
75	88,0	97,0	95,0	18,0	45,5
80	95,0	105,0	104,0	18,2	45,0
85	100,0	110,0	109,0	18,2	45,0
90	105,0	115,0	114,0	18,2	50,0
95	110,0	120,0	119,0	17,2	50,0
100	115,0	125,0	124,0	17,2	50,0