

400~12000

COMPACT POWER

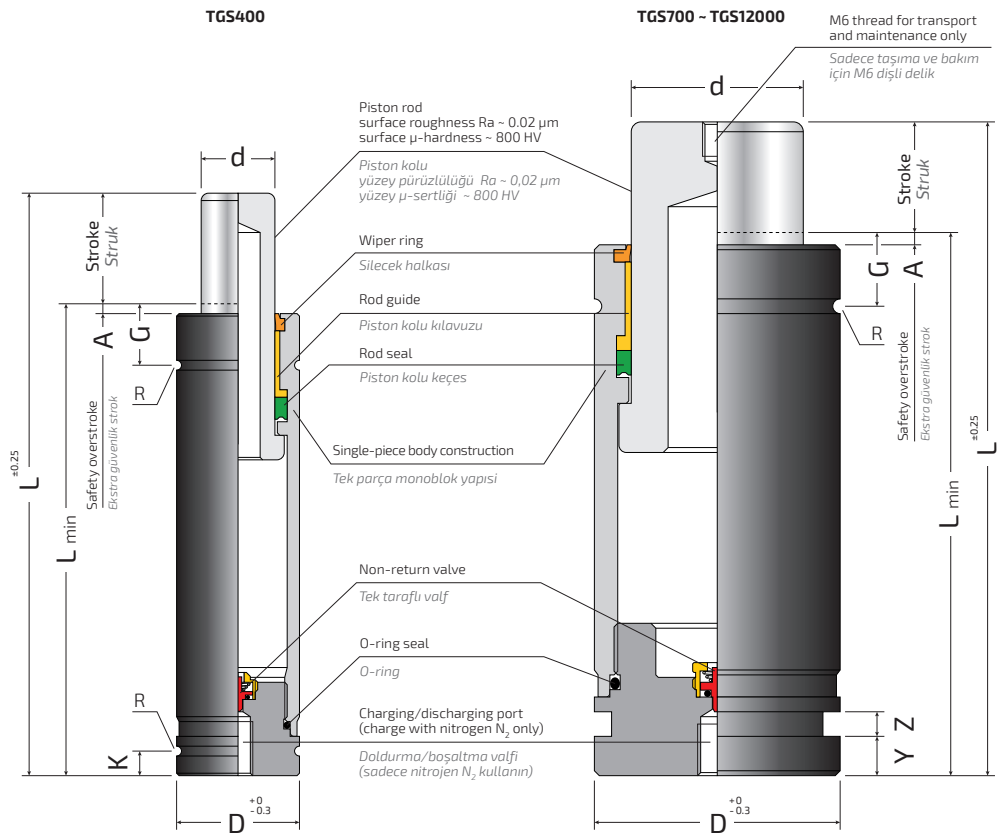
COMPACT HEIGHT



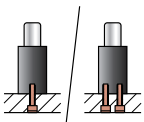
TGS series nitrogen gas springs feature high forces and compact diameters in a rod seal design. They ensure a great interchangeability (forces, dimensions and fixing possibilities) with the bore seal design nitrogen gas springs commonly available on the market, offering a higher performance (high number of cycles per minute, self-lubrication, better protection against liquid contaminants) and reliability thanks to the rod seal design. TGS series nitrogen gas springs are self-lubricated.

TGS serisi nitrojen gazlı yaylar, " derin ve uzun bir conta" ile tasarlanmış olup, yüksek kuvvetlere ve rakiplerine göre daha kompakt gövde çaplarına sahiptir. Piyasada yaygın olarak bulunan ve daha yüksek performans (dakikada yüksek devir sayısı, kendi kendine yağlama, sıvı kirlenici maddelere karşı daha iyi koruma) sunan "klasik conta" tasarımlı gazlı yaylarla yüksek bir değiştirilebilirlik olanağı (kuvvetler, boyutlar ve sabitleme olanakları) ve daha yüksek güvenlik seviyesi sağlarlar. TGS serisi nitrojen gazlı yaylar kendinden yağlamalıdır.

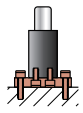
Technical notes / Teknik notlar
Important use instructions in the dedicated catalogue section.
Önemli kullanım talimatları özel katalog bölümünde.



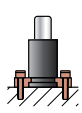
Fixing possibilities / Montaj olasılıkları



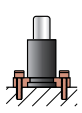
at the base
with screw(s)
alt taraftan
vida(lar) ile



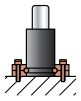
with base-plate
montaj plakası ile
BF, BFA, BFB
for TGS5000 only
sadece TGS5000 için



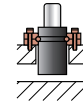
with half-flanges
yarım flanşlar ile
SF, SFA
for TGS700-TGS12000
TGS700-TGS12000 için



with foot brackets
montaj braketler ile
ST, STA
for TGS1000-TGS12000
TGS1000-TGS12000 için



with collar flange (base)
yaka flanş ile (tabandan)
FL
for TGS400 only
sadece TGS400 için

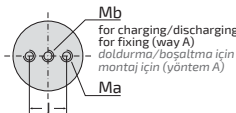


with collar flange
yaka flanş ile
FL, FLA, FLQ, FLQA

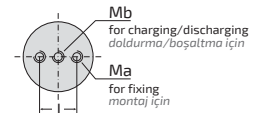


with front support
ön destek ile
FT, FTA
(Not for all TGS models)
(Bütün TGS modeller için değil)

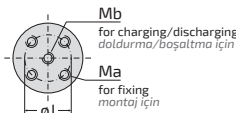
GAS SPRING BASE / GAZLI YAY TABANI



TGS400



**TGS700, TGS1000,
TGS2000, TGS3000**



**TGS5000, TGS8000,
TGS12000**

SAFETY PROTECTIONS / GÜVENLİK TEDBİRLERİ



UNCONTROLLED
RETURN SPEED /
KONTROLSUZ GERİ DÖNÜŞ



OVERSTROKE /
AŞIRI STROK



OVERPRESSURE /
AŞIRI BASINÇ

Model Model	MAX Stroke MAKS. Strok mm	Lmin mm	L mm	D mm	d mm	G mm	A mm	R mm	K mm	Y mm	Z mm	Ma mm	J mm	Mb mm	bar (MPa)	daN	daN	daN	Cycles per minute MAX MAKS. dakika başına çevrim	Gas volume Gaz hacmi L	Weight Ağırlık kg	
																			204 (20.4)	360	510 300 190 520 520 530 530	300 0.006 0.011 0.018 0.022 0.028 0.035
TGS400 -10-A	10	60	70			11.5		1		-	-								510	300	0.006	0.18
16-A	16	75	91			11.5		1		-	-								510	190	0.011	0.20
25-A	25	95	120			11.5		1		-	-								520	120	0.018	0.24
32-A	32	108	140	25	15	11.5	1	5		-	-	M5 x 6 (2x)	14	M6 x 11	204 (20.4)	360		520	90	0.022	0.26	
40-A	40	125	165			11.5		1		-	-							530	75	0.028	0.30	
50-A	50	145	195			11.5		1		-	-							530	60	0.035	0.33	
TGS700 -06-A	6	57	63			11.5		1		-	-								840	300	0.008	0.27
10-A	10	65	75			11.5		1		-	-								870	300	0.014	0.29
16-A	16	77	93			11.5		1		4	3.5								940	190	0.018	0.33
25-A	25	95	120	32	20	11.5	2	1	-	4	3.5	M6 x 8 (2x)	15	M4	210 (21.0)	660		950	120	0.030	0.38	
32-A	32	108	140			11.5		1		4	3.5							950	90	0.038	0.42	
40-A	40	125	165			11.5		1		4	3.5							960	75	0.049	0.46	
50-A	50	145	195			11.5		1		4	3.5							960	60	0.062	0.51	
TGS1000 -06-A	6	55	61			10.5		1		-	-								1350	300	0.010	0.38
10-A	10	68	78			10.5		1		4	3.5								1400	300	0.016	0.46
16-A	16	84	100			10.5		1		4	3.5								1400	190	0.028	0.52
25-A	25	110	135	38	25	10.5	2	1	-	4	3.5	M6 x 8 (2x)	17	M8	205 (20.5)	1000		1400	120	0.049	0.63	
32-A	32	135	167			10.5		1		4	3.5							1450	90	0.068	0.73	
40-A	40	155	195			10.5		1		4	3.5							1450	75	0.084	0.81	
50-A	50	180	230			10.5		1		4	3.5							1450	60	0.104	0.92	
TGS2000 -06-A	6	60	66			-		-		-	-								3000	300	0.02	0.74
10-A	10	70	80			-		-		-	-								3100	300	0.03	0.82
16-A	16	90	106			14.5		1.5		-	-								3200	190	0.05	1.02
25-A	25	110	135			14.5		1.5		8	5								3300	120	0.07	1.25
32-A	32	130	162	50	35	14.5	2	1.5	-	8	5	M6 x 8 (2x)	26	M8	209 (20.9)	2000		3400	90	0.10	1.39	
40-A	40	150	190			14.5		1.5		8	5							3400	75	0.12	1.54	
50-A	50	170	220			14.5		1.5		8	5							3400	60	0.15	1.70	
65-A	65	206	271			14.5		1.5		8	5							3200	45	0.20	1.99	
TGS3000 -10-A	10	75	85			-		-		-	-								4600	300	0.05	1.45
16-A	16	87	103			19		2		-	-								5000	190	0.07	1.62
25-A	25	105	130			19		2		8	5								5200	120	0.10	1.91
32-A	32	118	150	63	45	19	2	2	-	8	5	M8 x 12 (2x)	34	M8	189 (18.9)	3000		5200	90	0.14	2.07	
40-A	40	135	175			19		2		8	5								5300	75	0.18	2.27
50-A	50	155	205			19		2		8	5								5300	60	0.23	2.52
65-A	65	191	256			19		2		8	5								5000	45	0.31	2.97
TGS5000 -10-A	10	70	80			-		-		-	-								7400	300	0.08	1.87
16-A	16	90	106			18		1.5		-	-								7400	190	0.12	2.33
25-A	25	110	135			18		1.5		8	5								7600	120	0.18	2.74
32-A	32	135	167	75	58	18	2	1.5	-	8	5	M8 x 12 (4x)	40	M8	190 (19.0)	5000		7600	90	0.27	3.05	
40-A	40	160	200			18		1.5		8	5								7600	75	0.36	3.38
50-A	50	190	240			18		1.5		8	5								7200	60	0.47	3.78
65-A	65	208	273			18		1.5		8	5								8000	45	0.55	4.12
TGS8000 -10-A	10	80	90			-		-		-	-								10500	300	0.17	3.29
16-A	16	100	116			21		1.5		-	-								10800	190	0.25	3.94
25-A	25	120	145			21		1.5		8	5								11500	120	0.36	4.50
32-A	32	150	182	95	75	21	2	1.5	-	8	5	M8 x 12 (4x)	52	M8	182 (18.2)	8000		11500	90	0.54	5.05	
40-A	40	170	210			21		1.5		8	5								11600	75	0.66	5.46
50-A	50	205	255			21		1.5		8	5								11600	60	0.88	6.14
65-A	65	214	279			21		1.5		8	5								12500	45	0.96	6.46
TGS12000 -10-A	10	90	100			-		-		-	-								15500	300	0.25	6.22
16-A	16	110	126			22.5		2.5		-	-								16500	190	0.35	7.45
25-A	25	130	155			22.5		2.5		8	5								17000	120	0.49	8.59
32-A	32	155	187	120	90	22.5	2	2.5	-	8	5	M10 x 15 (4x)	68	M8	189 (18.9)	12000		17000	90	0.70	9.48	
40-A	40	180	220			22.5		2.5		8	5								17000	75	0.92	10.41
50-A	CE	210	260			22.5		2.5		8	5								16500	60	1.19	11.52
65-A	CE	255	320			22.5		2.5		8	5								18000	45	1.59	13.27

- Without lower (square) groove / Alt (kare) yivsiz
- Without upper (round) groove / Üst (yuvarlak) yivsiz

CE The gas spring models for which the CE symbol is indicated have an internal gas volume > 1 litre. They fall into Category II of the 2014/68/EU Pressure Equipment Directive (PED).

All the other gas spring models in this table are in accordance with Article 4.3 of the 2014/68/EU Pressure Equipment Directive (PED).

CE simgesinin gösterildiği gazlı yay modellerinin dahili gaz hacmi > 1 litredir. 2014/68/EU Basınçlı Ekipman Direktifinin (PED) Kategori II'sine girerler.

Bu tablodaki bütün gazlı yaylar "2014/68/EU" sayılı "Basınçlı Ekipman Şartnamesinin (PED)" 4.3 numaralı maddesine göre imal edilmişlerdir.

REPAIR KIT / TAMİR KİTİ

Gas spring code Gazlı yay kodu	Repair kit code Tamir kiti kodu
TGS400-...-A	KR/TGS400-A
TGS700-...-A	KR/TGS700-A
TGS1000-...-A	KR/TGS1000-A
TGS2000-...-A	KR/TGS2000-A
TGS3000-...-A	KR/TGS3000-A
TGS5000-...-A	KR/TGS5000-A
TGS8000-...-A	KR/TGS8000-A
TGS12000-...-A	KR/TGS12000-A

Download repair instructions from www.bordignon.com /

Tamir ile ilgili bilgileri www.bordignon.com sitesinden indirebilirsiniz

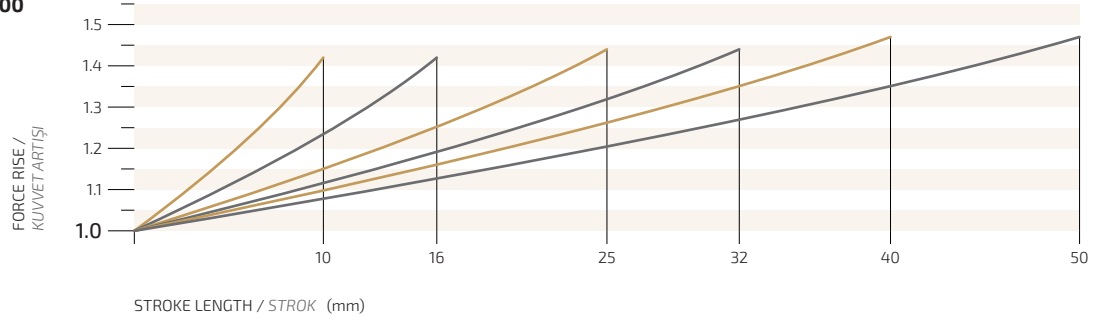
FORCE RISE VS. USED STROKE LENGTH CHARTS

SAĞLANAN KUVVET / KULLANILAN STROK GRAFİKLERİ

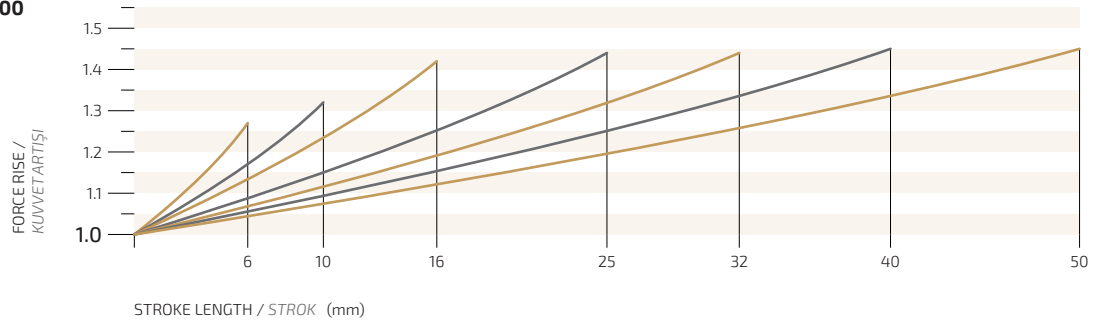
The force curves in the charts below are obtained from reference values measured in static conditions. The actual forces generated under use conditions may vary, since they depend on the specific parameters of the application, such as the working speed (cycles per minute).

Aşağıdaki tablolarda yer alan kuvvet eğrileri, statik koşullarda ölçülen referans değerlerden elde edilmiştir. Kullanım koşulları altında üretilen gerçek kuvvetler, çalışma hızı (çevrim/dakika) gibi uygulamanın özel parametrelerine bağlı olduklarından değişiklik gösterebilir.

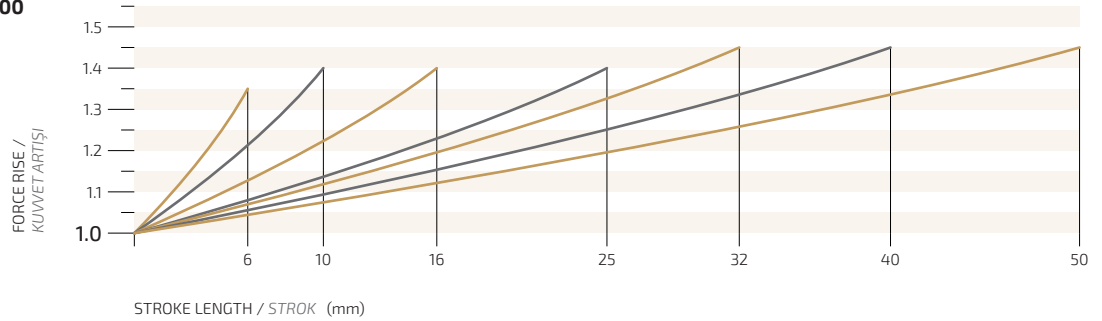
TGS400



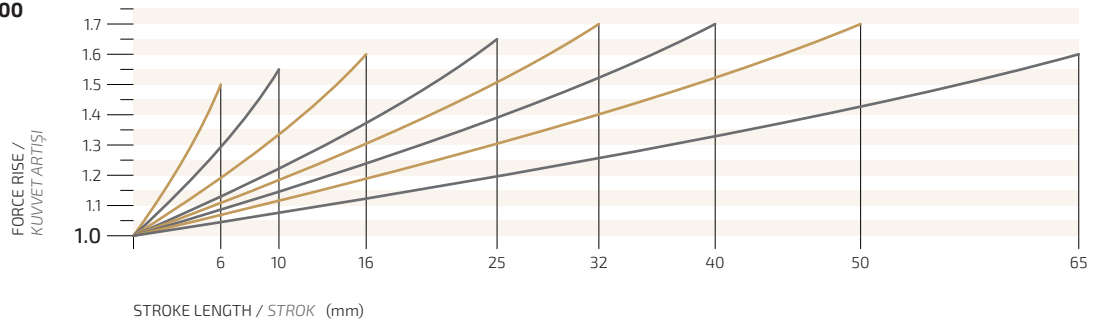
TGS700



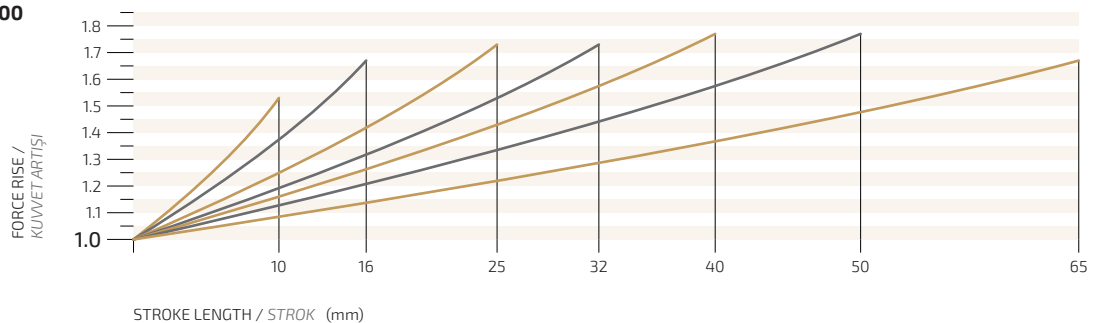
TGS1000



TGS2000



TGS3000



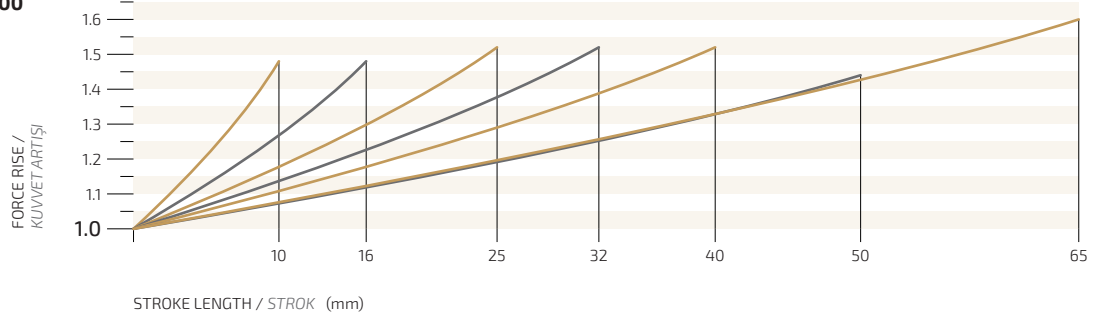
FORCE RISE VS. USED STROKE LENGTH CHARTS

SAĞLANAN KUVVET / KULLANILAN STROK GRAFİKLERİ

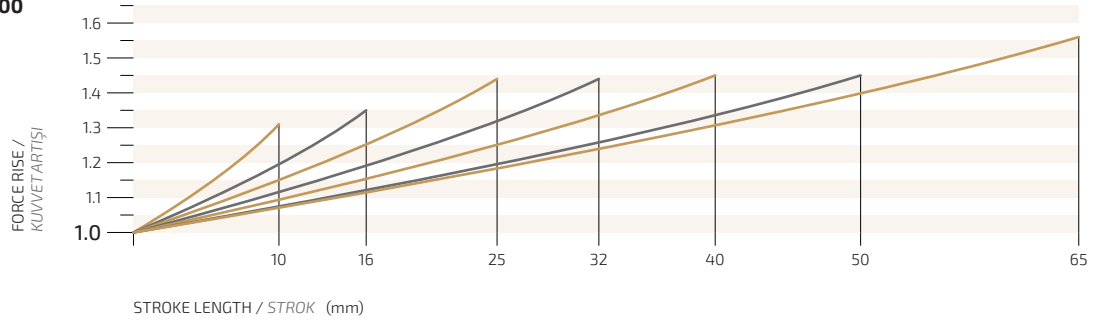
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TGS5000



TGS8000



TGS12000

