

IGS

150~1500



ISO 11901-1

VDI 3003

This gas spring series includes the models compliant with automotive standards /
Bu sayfadaki gazlı yaylar aşağıdaki otomotiv standartlarını karşılamaktadır

BMW	B2 4006	Nissan	K 32 S
FCA	075.90.55	PSA	E24.54.815.G
Ford	W-DX35-6203	Renault	EM24.54.700
Mazda	PG23D	Suzuki	SES-K 5404e
MB	B8 3180 220 000 001	VW	39D 878

COMPACT POWER

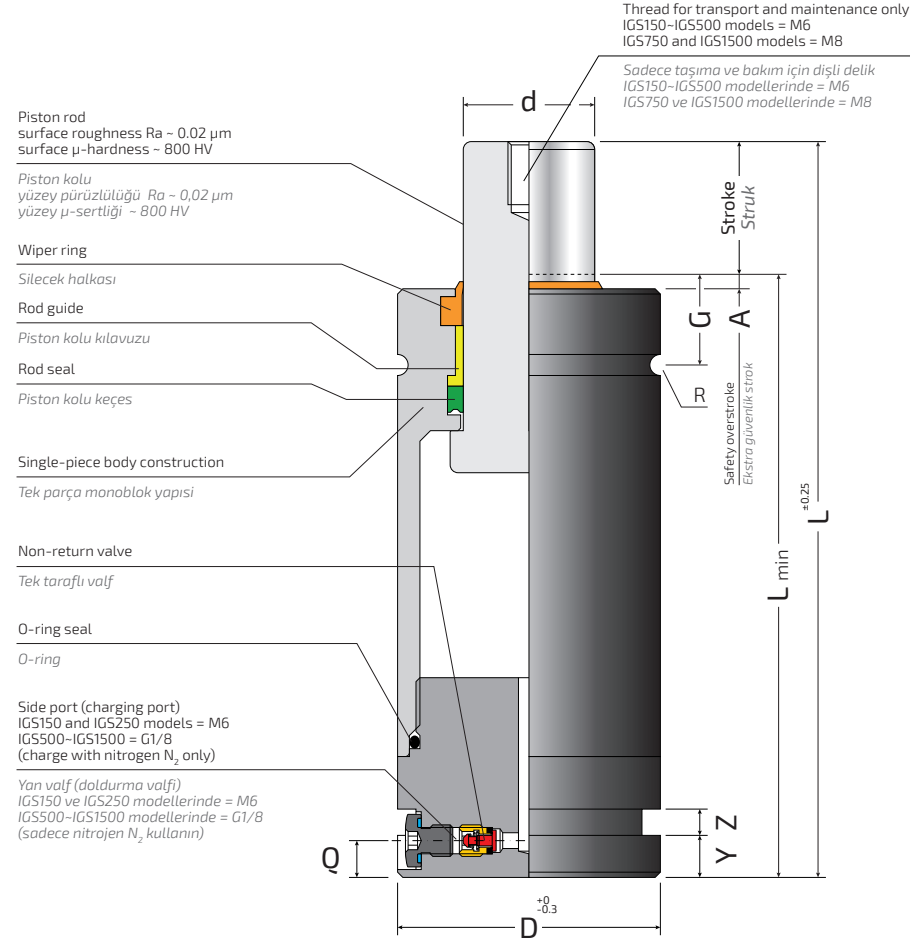
COMPACT HEIGHT



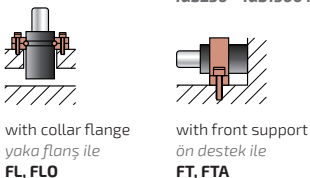
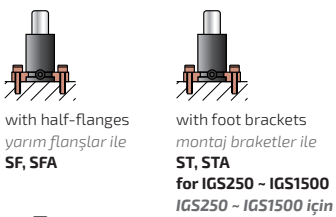
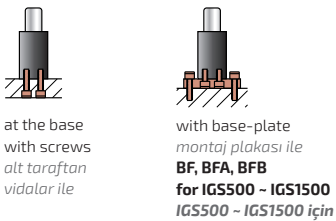
Technical notes / Teknik notlar
Important use instructions
in the dedicated instructions section.
Önemli kullanım talimatları özel
katalog bölümünde.

IGS series nitrogen gas springs feature standard dimensions and forces, as well as several fixing and linking possibilities. With the IGS series nitrogen gas springs, Bordignon now ensures a great interchangeability and a superior reliability. IGS series nitrogen gas springs are self-lubricated.

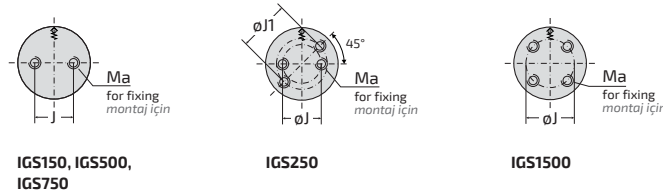
IGS serisi nitrojen gazlı yaylar, standart boyutlar ve kuvvetlerin yanı sıra çeşitli sabitleme ve bağlantı olanaklarına sahiptir. IGS serisi gazlı yaylar ile Bordignon artık mükemmel bir değiştirilebilirlik ve üstün bir güvenilirlik sağlıyor. IGS serisi nitrojen gazlı yaylar kendinden yağlamalıdır.



Fixing possibilities / Montaj olasılıkları

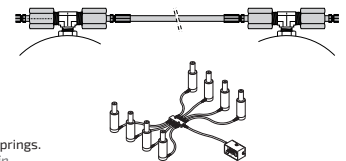


GAS SPRING BASE / GAZLI YAY TABANI



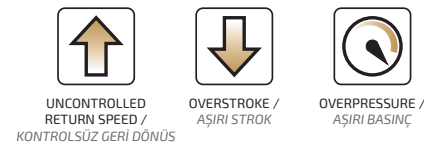
LINKING TO OPEN SYSTEM / BAĞLANTILI SİSTEMLER

	IGS150-IGS250 (M6 side port / M6 yan valf)		IGS500-IGS1500 (G1/8 side port / G1/8 yan valf)		
Hoses Hortumlar	ATM	ATNM	ATM	ATN	AT
Gas spring-hose fittings Gazlı yay - hortum montajları	ARM	ARNM	ARM	ARN	AR



ATTENTION! Follow the instructions in the "LINKED SYSTEM" section before connecting the gas springs.
DİKKAT! Gazlı yayları bağlamadan önce mutlaka "seri bağlantı" yönergelerini okuyun ve takip edin.

SAFETY PROTECTIONS / GÜVENLİK TEDBİRLERİ



Model Model	MAX Stroke MAKS. Strok			D mm	d mm	G mm	A mm	R mm	Y mm	Z mm	Q mm	Ma	J mm	J1 mm	bar (MPa)	daN	daN	Cycles per minute MAX MAKS. dakika başına çevrim	Gas volume Gaz hacmi L	Weight Ağırlık kg													
	Lmin mm	L mm	Lmax mm																														
IGS150-10	10	60	70	32	12	12.5	2	1	4	4	6	M6 x 11 (2x)	18	-	150 (15.0)	170	215	300	0.009	0.30													
13	12.7	62.7	75.4														220	235	0.010	0.32													
16	16	66	82														220	190	0.012	0.33													
25	25	75	100														225	120	0.017	0.36													
38	38.1	88.1	126.2														230	80	0.024	0.39													
50	50	100	150														230	60	0.030	0.44													
63	63.5	113.5	177														230	50	0.037	0.48													
80	80	130	210														235	40	0.046	0.54													
100	100	150	250														235	30	0.057	0.60													
125	125	175	300														235	25	0.070	0.70													
IGS250-10	10	60	70														38	15	12.5	2	1	4	4	6	M6 x 9 (2x or 2x) (2x o 2x)	18	25	150 (15.0)	260	305	300	0.029	0.30
13	12.7	62.7	75.4																											310	235	0.031	0.31
16	16	66	82																											310	190	0.034	0.33
19	19	69	88	315	160	0.037	0.34																										
25	25	75	100	320	120	0.042	0.37																										
38	38.1	88.1	126.2	330	80	0.052	0.43																										
50	50	100	150	335	60	0.062	0.48																										
63	63.5	113.5	177	335	50	0.074	0.54																										
80	80	130	210	340	40	0.087	0.61																										
100	100	150	250	345	30	0.104	0.66																										
125	125	175	300	350	25	0.125	0.83																										
IGS500-10	10	95	105	45	20	16.5	2	1	4	4	10.5	M8 x 13 (2x)	20	-	150 (15.0)	470														570	300	0.033	0.78
13	12.7	97.7	110.4																											580	235	0.036	0.87
25	25	110	135														610	120	0.051	0.95													
38	38.1	123.1	161.2														630	80	0.066	1.04													
50	50	135	185														640	60	0.080	1.12													
63	63.5	148.5	212														660	50	0.095	1.20													
80	80	165	245														660	40	0.115	1.30													
100	100	185	285														670	30	0.138	1.41													
125	125	210	335														680	25	0.167	1.60													
160	160	245	405														700	19	0.192	1.93													
200	200	285	485														700	15	0.239	2.10													
IGS750-13	12.7	107.7	120.4														50	25	17.5	3	2	8	5	10.5	M8 x 13 (2x)	20	-	150 (15.0)	740	930	235	0.05	1.16
25	25	120	145																											990	120	0.07	1.26
38	38.1	133.1	171.2	1040	80	0.09	1.37																										
50	50	145	195	1070	60	0.10	1.47																										
63	63.5	158.5	222	1090	50	0.12	1.59																										
75	75	170	245	1110	40	0.14	1.70																										
80	80	175	255	1110	40	0.15	1.74																										
88	87.5	182.5	270	1120	35	0.16	1.80																										
100	100	195	295	1130	30	0.17	1.92																										
113	112.5	207.5	320	1140	27	0.19	2.03																										
125	125	220	345	1150	25	0.21	2.13																										
138	137.5	232.5	370	1210	22	0.21	2.36																										
150	150	245	395	1210	20	0.22	2.51																										
160	160	255	415	1220	19	0.24	2.60																										
175	175	270	445	1220	17	0.26	2.73																										
200	200	295	495	1220	15	0.30	2.94																										
225	225	320	545	1220	13	0.33	3.16																										
250	250	345	595	1220	12	0.37	3.31																										
275	275	370	645	1230	11	0.40	3.59																										
300	300	395	695	1230	10	0.44	3.81																										
IGS1500-13	12.7	122.3	135	75	36	21	3	2.5	8	5	10.5	M8 x 13 (4x)	40	-	150 (15.0)	1530	1870	235	0.13	3.01													
25	25	135	160														1980	120	0.17	3.27													
38	38.1	148.1	186.2														2060	80	0.21	3.51													
50	50	160	210														2110	60	0.25	3.73													
63	63.5	173.5	237														2160	50	0.29	3.97													
75	75	185	260														2190	40	0.33	4.18													
80	80	190	270														2200	40	0.35	4.27													
88	87.5	197.5	285														2220	35	0.37	4.39													
100	100	210	310														2240	30	0.41	4.63													
113	112.5	222.5	335														2260	27	0.45	4.84													
125	125	235	360														2270	25	0.49	5.08													
138	137.5	247.5	385														2390	22	0.47	5.77													
150	150	260	410														2400	20	0.51	5.99													
160	160	270	430														2400	19	0.55	6.17													
175	175	285	460														2410	17	0.59	6.45													
200	200	310	510														2410	15	0.67	6.90													
225	225	335	560														2420	13	0.75	7.35													
250	250	360	610														2420	12	0.83	7.81													
275	275	385	660														2430	11	0.92	8.26													
300	300	410	710														2430	10	0.99	8.72													

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

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

"L-VERSION" (FOR LINKED SYSTEM) / "L-VERSİYON" (BAĞLANTILI SİSTEM İÇİN)

When the IGS gas springs are to be used in a linked system, make sure to order the "L-version" by adding "-L" after the gas spring code. The "L-version" gas springs are supplied already discharged and without valve, ready for the connection to linked system.

Example: "IGS750-50-L"

IGS gazlı yaylar bağlantılı bir sistemde kullanılacaksa, gazlı yaylar kodundan sonra "-L" ekleyerek "L-versiyonu" sipariş ettiğinizden emin olun. "L-versiyonu" gazlı yaylar, boş olarak ve valf olmadan montaja hazır halde tedarik edilir.

Örnek: "IGS750-50-A-L"



REPAIR KIT / TAMİR KİTİ

Gas spring code Gazlı yay kodu	Repair kit code Tamir kiti kodu
IGS150-...	KR/IGS150
IGS250-...	KR/IGS250
IGS500-10 - IGS500-63	KR/IGS500-1
IGS500-80 - IGS500-200	KR/IGS500-2
IGS750-13 - IGS750-50	KR/IGS750-1
IGS750-63 - IGS750-300	KR/IGS750-2
IGS1500-13 - IGS1500-50	KR/IGS1500-1
IGS1500-63 - IGS1500-300	KR/IGS1500-2

Download repair instructions from www.bordignon.com /

Tamir ile ilgili bilgileri www.bordignon.com sitesinden indirebilirsiniz

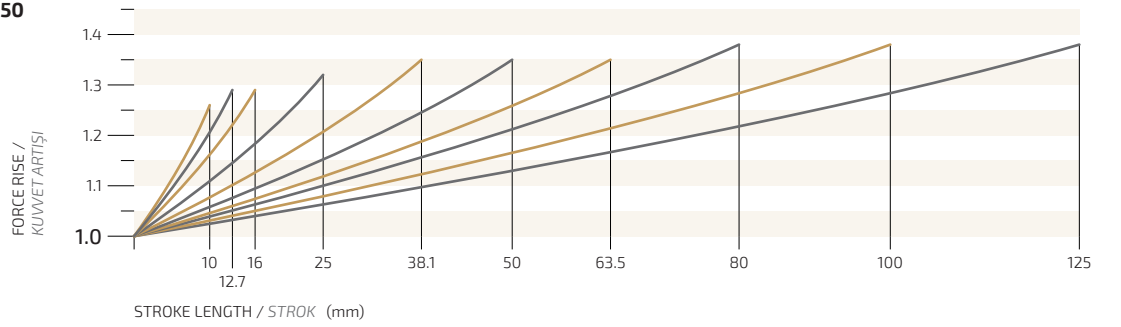
FORCE RISE VS. USED STROKE LENGTH CHARTS

SAĞLANAN KUVVET / KULLANILAN STROK GRAFİKLERİ

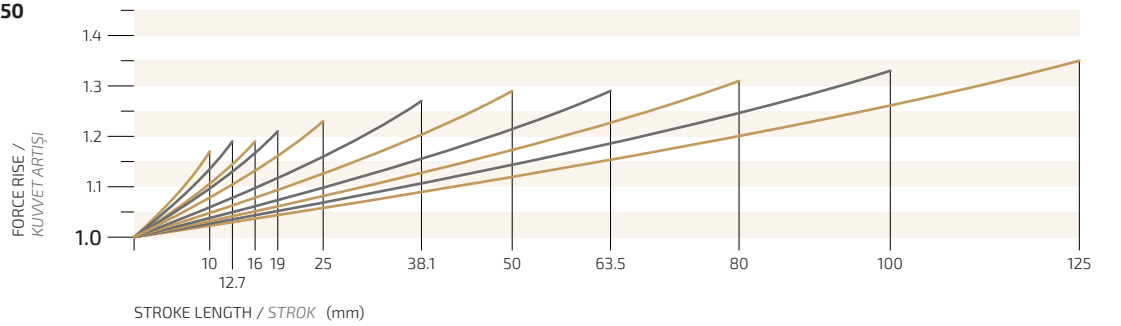
The force curves in the charts below are obtained from reference values measured in static conditions. The actual forces generated under use conditions may vary, since they depend on the specific parameters of the application, such as the working speed (cycles per minute).

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.

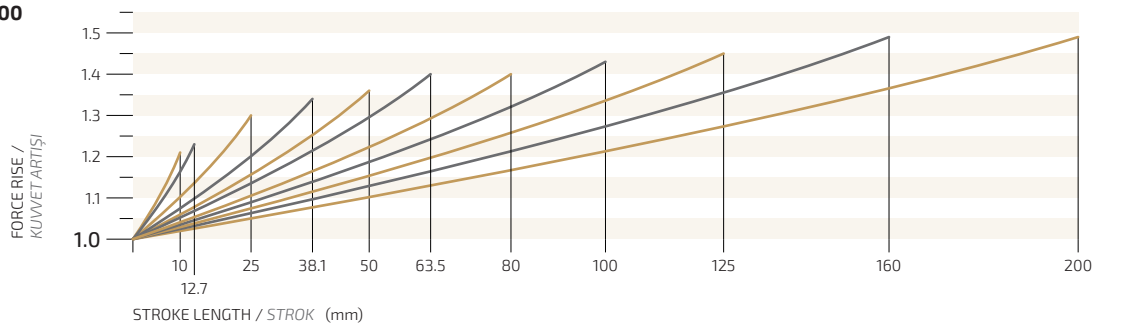
IGS150



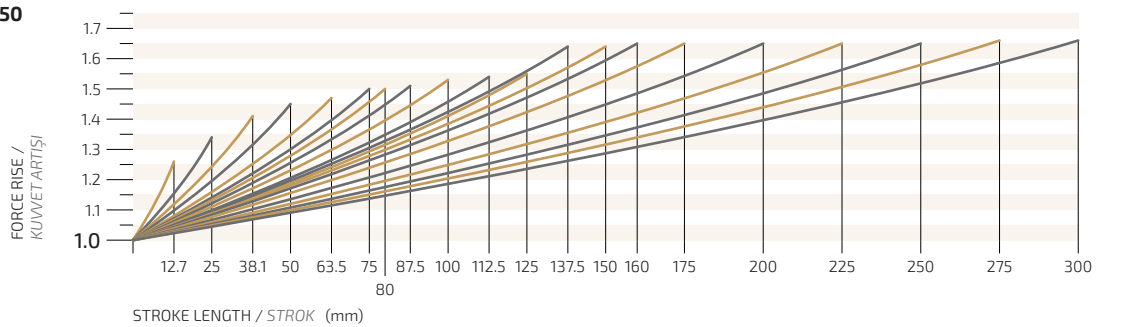
IGS250



IGS500



IGS750



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.

IGS1500

