

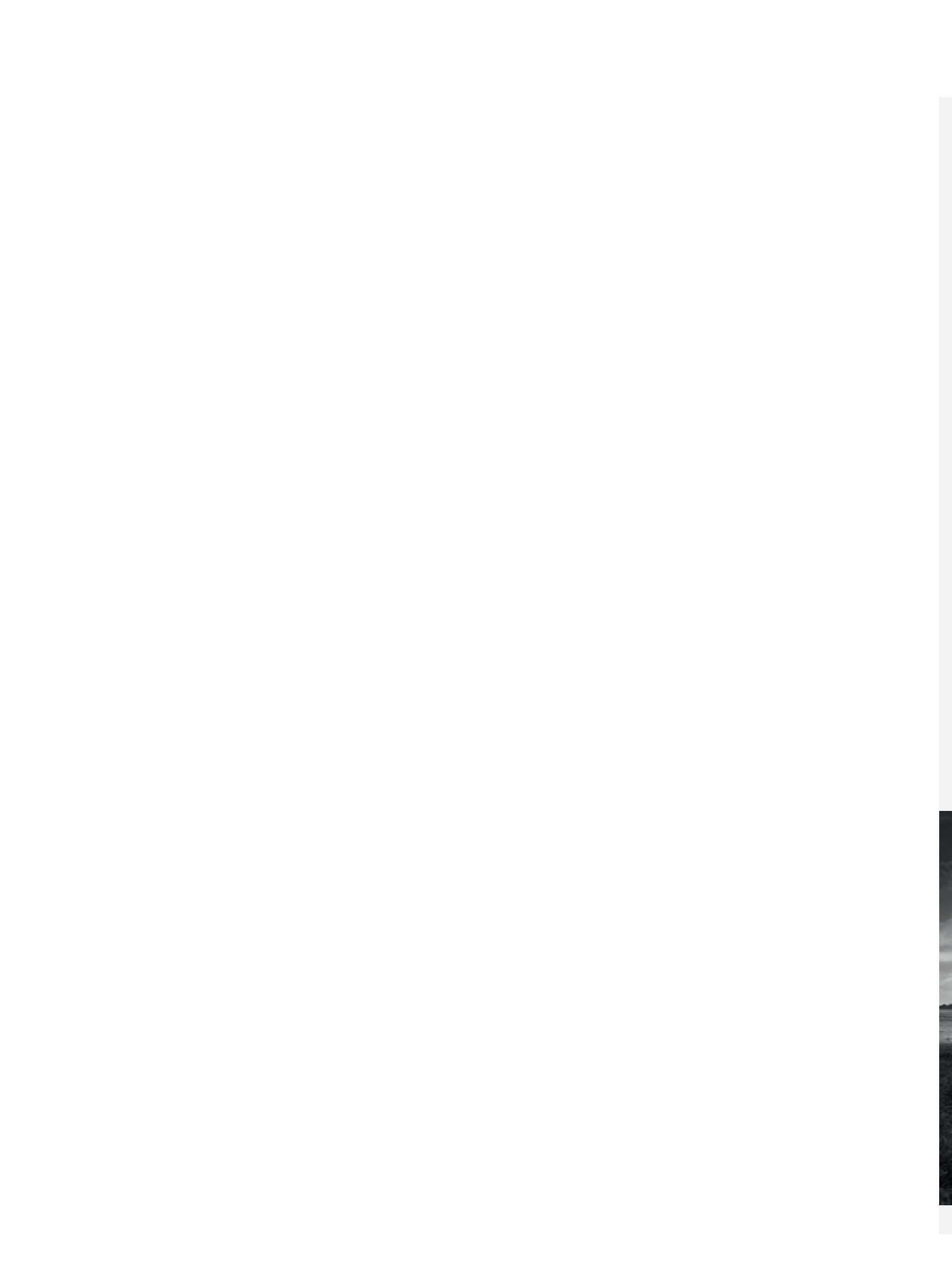
Compotek^{ck}

  KOREAGAS SPRING CO., LTD.

GAS CYLINDER

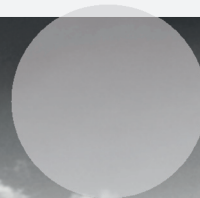
www.kgseurope.com

www.compoteksrl.it
components for office chairs



Contents

- CYLINDER WITH COLUMN
- CYLINDER WITHOUT COLUMN
- SOFT DESCENT CYLINDER
- SOFT LANDING CYLINDER
- HIGH-CONE CYLINDER
- FIXED CYLINDER
- TWO STAGE CYLINDER
- CABLE CYLINDER
- NON-ROTATIONAL CYLINDER
- ALPHA CYLINDER
- AUTO RETURN AUTO LIFT CYLINDER
- RETURN SPINDLE
- AUTO RETURN HEIGHT ADJUSTABLE CYLINDER
- SOFT CUSHION CYLINDER
- GAS CUSHION CYLINDER**
- HEAVY DUTY CYLINDER
- SWITCHOVER CYLINDER**
- GAS SPRING
- PRODUCTS



Korea Gas Spring

Manufacturers searching for a complete range of high quality gas springs for seating need look no further than the Korea Gas Spring(KGS)

Committed to pursuit of superior quality and technological innovation and development throughout its product line, KGS boasts a core management philosophy committed to satisfying every customer needs. Having achieved ISO9001 certification, this commitment is further evidenced in compliance of all KGS products with applicable ANSI/BIFMA standards and British standards as well as DIN and EU standard specifications.

KGS' primary manufacturing plant is located in Qingdao, China in a new state-of-the-art manufacturing facility. KGS Research and Development activities take place in its Korean headquarters as well as Qingdao plant.

Major world-wide customers throughout North America, Europe, China and other countries have utilized KGS products for years. These customers recognize the value, quality and innovation that KGS brings to their products-traits that new customers will enjoy upon choosing KGS.



Compotek^{ck}

www.KCSeuro



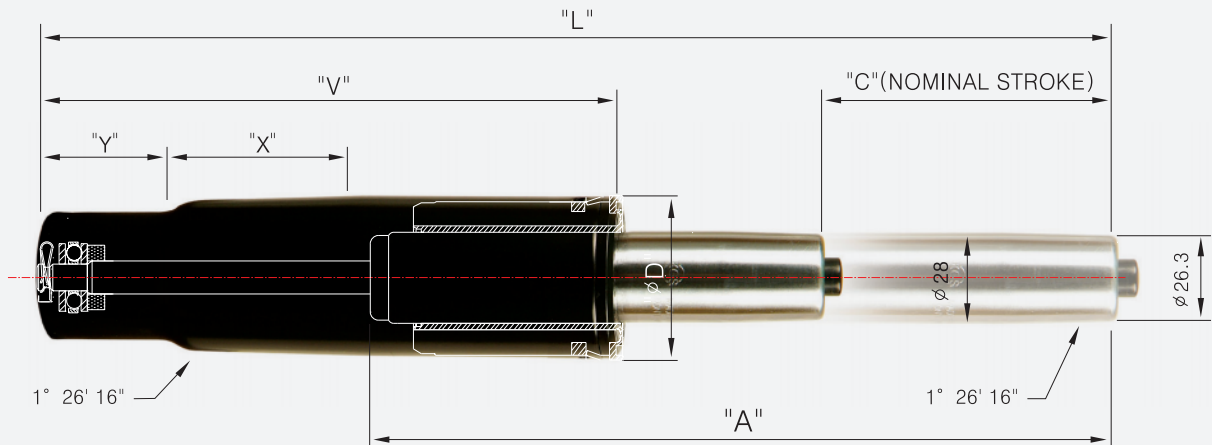
KOREA GAS S

ope.com



SPRING

Cylinder with column



Available Sizes (in mm)

• Stroke 60~100

STROKE	L	C	V	D	X	Y	A	
60	A	262	52	165	50	60	0	185
	B	262	52	167	50	58	17	185
	C	262	52	167	50	58	43	185
	D	262	52	150	50	65	0	185
	E	262	52	150	50	58	17	185
80	A	287	72	170	50	58	14	190
	B	306	72	185	50	60	0	209
	C	306	72	187	50	58	17	209
	D	306	72	187	50	58	43	209
	E	306	72	168	50	58	0	209
	F	306	72	170	50	58	17	209
100	A	349	92	200	50	58	37	232
	B	349	92	200	50	58	14	232
	C	349	92	197	50	58	0	232
	D	349	92	185	50	60	0	232
	E	349	92	197	50	58	17	232
	F	349	92	197	50	65	0	232
	G	349	92	200	50	58	27	232

• Stroke 100~116

STROKE	L	C	V	D	X	Y	A	
100	H	349	92	195	50	60	0	232
	I	349	92	197	50	58	17	232
	J	349	92	197	50	58	43	232
	K	349	92	185	50	70	0	232
	L	369	92	197	50	58	17	252
	M	359	92	195	50	58	30	242
108	N	359	92	185	50	58	37	242
	O	326	92	185	50	58	27	209
	A	357	100	217	50	101	0	232
	B	355	100	185	50	70	0	230
	C	350	100	197	50	65	0	225
116	D	355	100	195	50	70	0	230
	E	352	100	200	50	58	27	227
	A	356	108	203	50	58	41.5	223
	B	385	108	215	50	70	0	252
	C	385	108	215	50	58	43	252
D	365	108	200	50	58	14	232	
E	380	108	217	50	58	17	247	

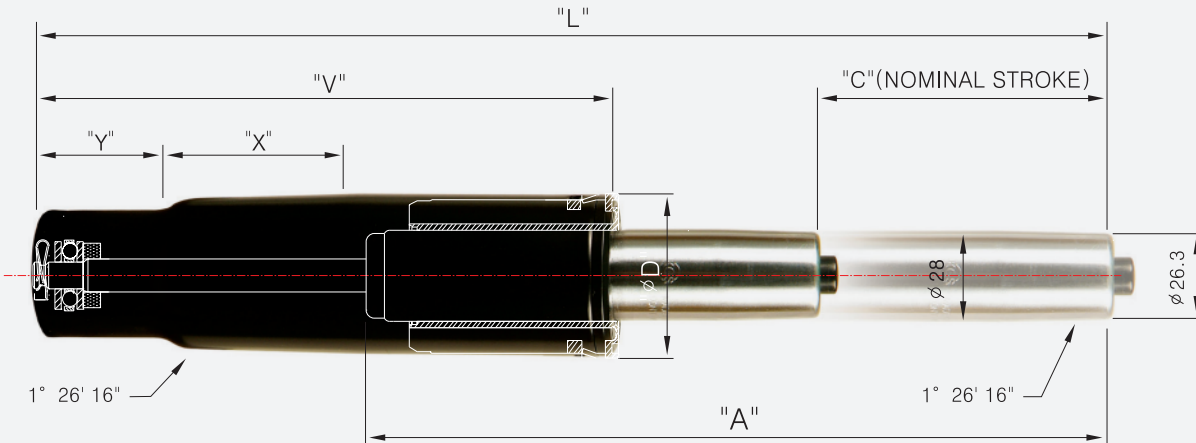
EFFECTIVE STROKE:

C+3mm WITH 75kgf
▶ F1 : 150N~450N

• Meets all worldwide standards

- ANSI/BIFMA
- EN1335
- DIN 4550 Class III & IV

Cylinder with column



• Stroke 120~140

STROKE	L	C	V	D	X	Y	A	
120	A	384	112	215	50	70	0	247
	B	384	112	215	50	58	17	247
	C	396	112	232	50	58	30	259
	D	384	112	215	50	58	48	247
	E	379	112	197	50	65	0	242
	F	384	112	228	50	58	43	247
125	A	394	117	217	50	58	17	252
	B	394	117	215	50	65	0	252
	C	394	117	217	50	58	43	252
	D	394	117	215	50	60	0	252
	E	394	117	215	50	58	17	252
	F	394	117	215	50	58	43	252
	G	394	117	215	50	65	0	252
128	A	397	120	230	50	70	0	252
133	A	433	125	245	50	58	14	283
	B	433	125	245	50	58	43	283
140	A	427	132	230	50	58	17	270
	B	416	132	235	50	58	22	259

• Stroke 143~270

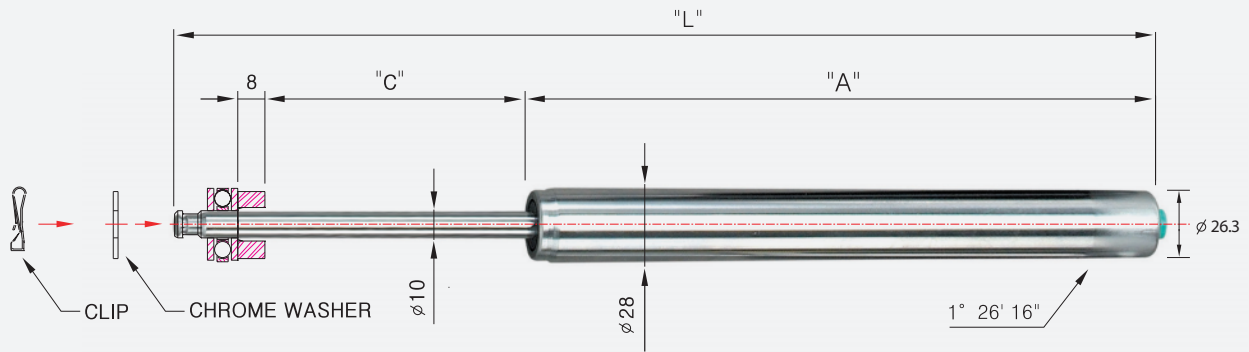
STROKE	L	C	V	D	X	Y	A	
143	A	410	135	225	40	48	0	252
	B	443	135	235	40	65	0	283
	C	412	135	230	50	65	0	252
	D	412	135	230	50	65	0	252
	E	412	135	236	50	52	0	252
	F	412	135	230	50	49	0	252
160	A	471	152	250	50	60	0	294
	B	483	152	250	50	60	0	306
	C	469	152	255	40	50	0	292
170	A	491	162	280	50	44	0	304
200	A	574	192	313	50	58	17	357
	B	535	192	290	50	58	22	318
210	A	565	202	318	50	58	17	338
	B	565	202	318	50	65	0	338
	C	550	202	300	50	58	27	323
270	D	612	202	340	40	48	0	387
	A	693	262	375	50	58	0	406
B	693	262	375	50	58	43	406	

Available Sizes (in mm)

- Meets all worldwide standards
 - ANSI/BIFMA
 - EN1335
 - DIN 4550 Class III & IV

EFFECTIVE STROKE:
 C+3mm WITH 75kgf
 ► F1 : 150N~450N

Cylinder without column



Available Sizes (in mm)

• Stroke 60~108

STROKE		L	A	C
60	A	260.8	185	52
73	A	273.8	185	65
80	A	304.8	209	72
	B	285.8	190	72
	C	304.8	209	72
93	A	323.8	215	85
	B	342.8	227	92
100	C	347.8	232	92
	D	328.8	213	92
	E	362.8	247	92
	F	362.8	247	92
	G	347.8	232	92
	H	324.8	209	92
	A	348.8	225	100
108	B	355.8	232	100
	C	353.8	230	100

• Stroke 180~140

STROKE		L	A	C
108	D	348.8	225	100
	E	350.8	227	100
	F	348.8	225	100
116	A	354.8	223	108
	B	383.8	252	108
120	C	378.8	247	108
	A	382.8	247	112
125	B	394.8	259	112
	A	392.8	252	117
128	B	982.8	242	117
	C	392.8	252	117
133	A	395.8	252	120
	B	388.8	245	120
140	C	388.8	245	120
	A	431.8	283	125
140	B	431.8	283	125
	A	425.8	270	132
140	B	414.8	259	132

• Stroke 143~270

STROKE		L	A	C
143	A	410.8	252	135
	B	441.2	283	135
	C	419.8	261	135
	D	410.8	252	135
	E	432.8	274	135
	F	417.8	259	135
160	A	469.8	294	152
	B	481.8	306	152
170	A	489.8	304	162
	A	572.8	357	192
200	B	533.8	318	192
	A	563.8	338	202
210	B	488.8	323	202
	C	685.8	462	202
	D	610.8	387	202
270	A	691.8	406	262
	B	491.8	406	262
	C	703.8	418	262

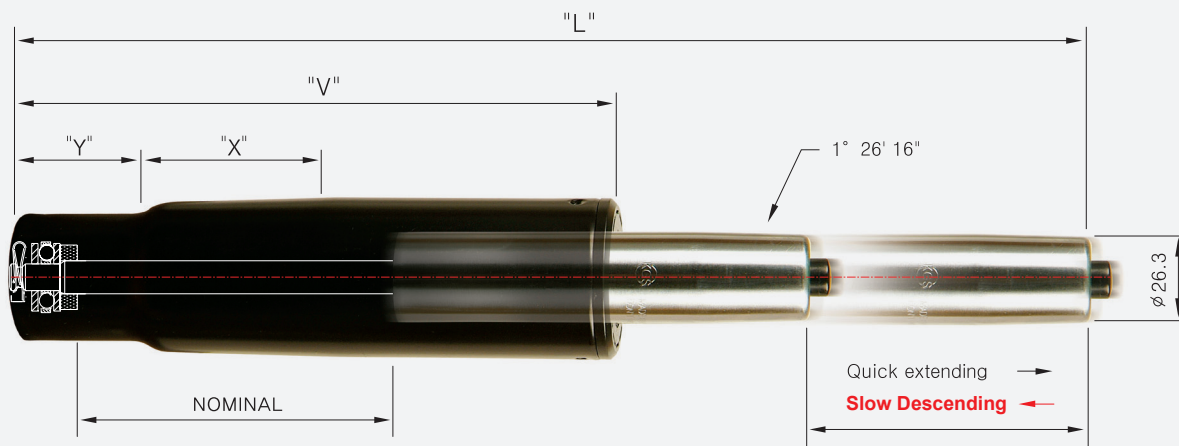
EFFECTIVE STROKE:

C+3mm WITH 75kgf
▶ F1 : 150N~450N

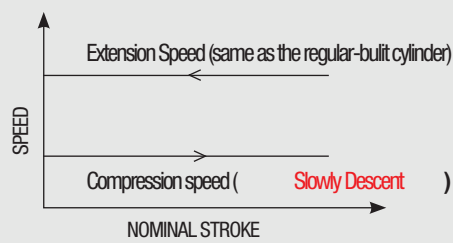
• Meets all worldwide standards

- ANSI/BIFMA
- EN1335
- DIN 4550 Class III & IV

Soft descent cylinder



SOFT DESCENT FORCE DIAGRAM



- Applicable for all the existing cylinders with the same sizes but soft descent provided all the time
- Dimensions and F1 force are changeable to comply with buyer's request
- F1 force : 200N ~ 400N

Available
Sizes
(in mm)

- Very slowly descending by speed control guide all the time, while the extension is the same speed as the regular-built cylinder
- The height of chair is minutely adjustable

Feature

- Office chair
- Executive chair
- Sensitive chair requiring slow descent

Application

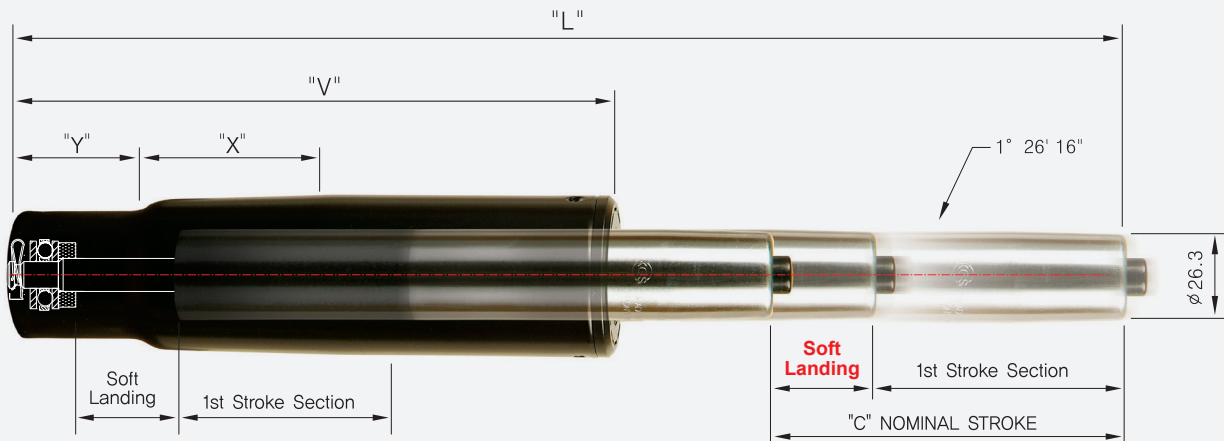
- International test standards required
- Any customer's test requirements

Test
Methods

- No shock impact by special gas system during compression all the time, while quick extension.
- Very little noise during compression

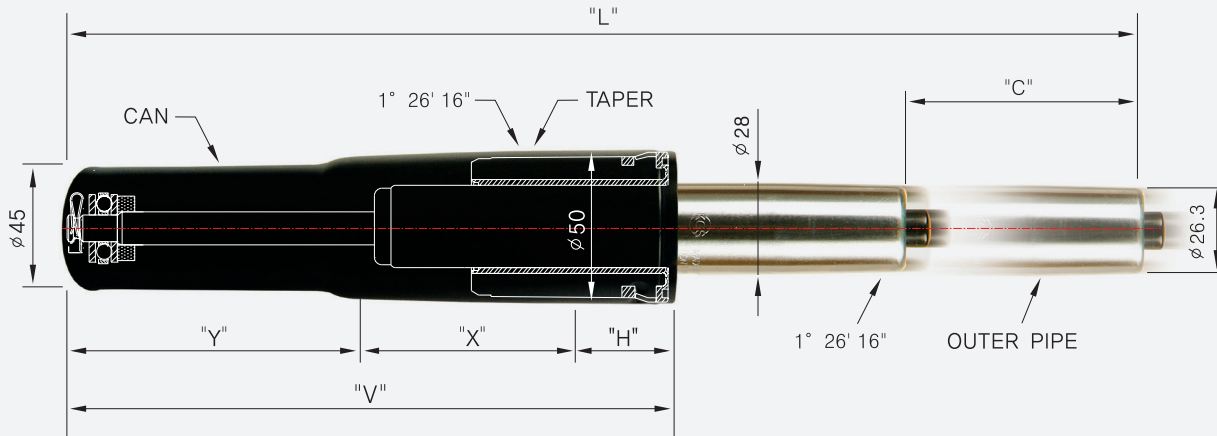
Advantages

Soft descent cylinder



<p>Available Sizes (in mm)</p>	<p>SOFT LANDING FORCE DIAGRAM</p> <p>The diagram plots SPEED against NOMINAL STROKE. It shows a constant speed section labeled "Same speed as in the regular cylinder". This is followed by a "SOFT LANDING" section where the speed begins to decrease. A second "SOFT LANDING" section follows, labeled "2nd soft-landing section Slowly descending by the specially designed speed control guide".</p> <ul style="list-style-type: none"> • Applicable for all the existing cylinders with the same sizes but soft-landing provided at the lowest position • Dimensions and F1 force are changeable to comply with buyer's request • F1 force : 200N ~ 400N
<p>Feature</p>	<ul style="list-style-type: none"> • Very soft landing by special speed control guide at the lowest position • Comfortable cushion work provided by gas in itself instead of conventional rubber bumper
<p>Application</p>	<ul style="list-style-type: none"> • Office chair • Sensitive chair at any shock impacts
<p>Test Methods</p>	<ul style="list-style-type: none"> • International test standards required • Any customer's test requirements
<p>Advantages</p>	<ul style="list-style-type: none"> • No shock impact at the lowest position • Very soft landing at the lowest position from about 20mm ~ 35mm at the bottom end

High-cone cylinder



MODEL NO.	L	C	V	X+Y	H
KGD 080-501	297	72	165	155	10
KGD 100-501	330	92	186	156	30
KGD 100-502	349	92	195	176	19

Available Sizes
(in mm)

- Dimensions and F1 force are changeable to comply with buyer's request
- F1 force : 200N ~ 400N
- H & V dimensions are changeable as per the base design

- Unique design of high cone for the lofty spider bases
- Taper to be extended up to the top bushing of the column
- Duplicated columns for superior strength and back-pull forces

Feature

- Office chair
- Executive office chair with lofty spider base
- Unique chair with the same height of the bushing and base top

Application

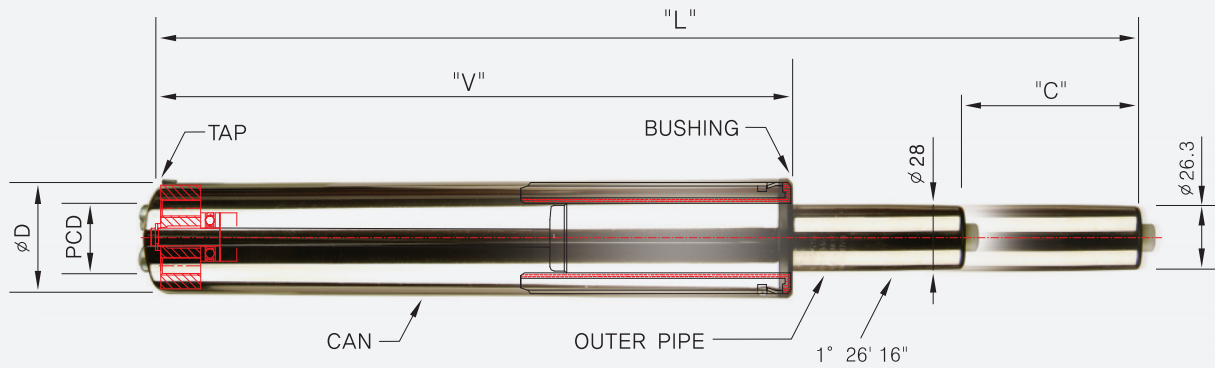
- International test standards required
- Any customer's test requirements

Test Methods

- Additionally tapered steel tube welded on the column provides a capability for superior back-pull durability
- The taper to be extended up to the top bushing but preventing the bushing from coming off

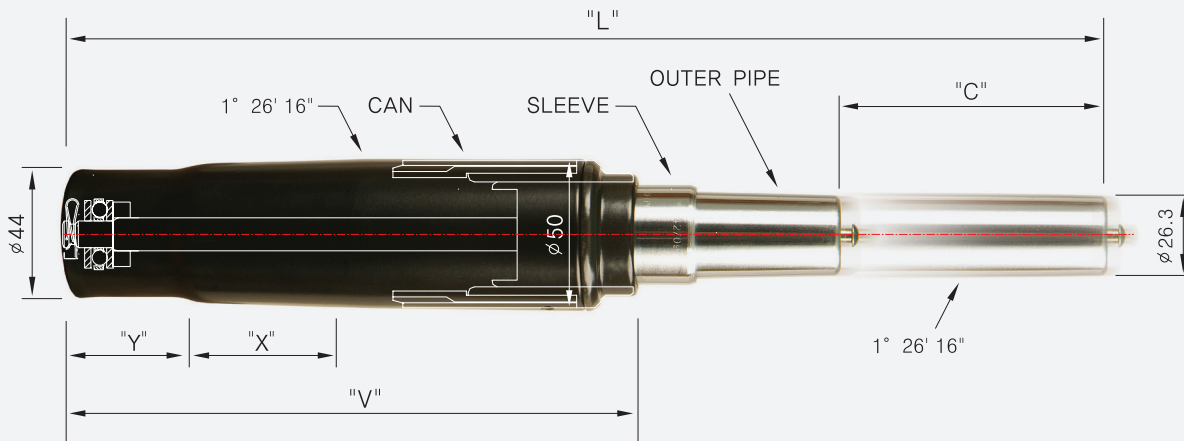
Advantages

Fixed cylinder



Available Sizes (in mm)	<table border="1"> <thead> <tr> <th>MODEL NO.</th> <th>L</th> <th>C</th> <th>V</th> <th>øD</th> <th>PCD</th> <th>TAP</th> </tr> </thead> <tbody> <tr> <td>KGFB210-50□□1</td> <td>663</td> <td>202</td> <td>405</td> <td>ø50</td> <td>26</td> <td>4-M8</td> </tr> <tr> <td>KGFB270-50□□1</td> <td>719</td> <td>262</td> <td>405</td> <td>ø50</td> <td>26</td> <td>3-M8</td> </tr> <tr> <td>KGFB210-40□□1</td> <td>719</td> <td>262</td> <td>405</td> <td>ø40</td> <td>21</td> <td>3-M8</td> </tr> </tbody> </table>	MODEL NO.	L	C	V	øD	PCD	TAP	KGFB210-50□□1	663	202	405	ø50	26	4-M8	KGFB270-50□□1	719	262	405	ø50	26	3-M8	KGFB210-40□□1	719	262	405	ø40	21	3-M8
	MODEL NO.	L	C	V	øD	PCD	TAP																						
KGFB210-50□□1	663	202	405	ø50	26	4-M8																							
KGFB270-50□□1	719	262	405	ø50	26	3-M8																							
KGFB210-40□□1	719	262	405	ø40	21	3-M8																							
	<ul style="list-style-type: none"> • Dimensions and F1 force are changeable to comply with buyer's request • F1 force : 200N ~ 400N 																												
Feature	<ul style="list-style-type: none"> • No tapers on the column • The column with the threaded holes on its bottom to be fixed it to the base • To be used for a high stroke chair by fixing it to the base 																												
Application	<ul style="list-style-type: none"> • Conference chair • Fixed bar chair • Visitors' chair at bank or office 																												
Test Methods	<ul style="list-style-type: none"> • International test standards required • Any customer's test requirements 																												
Advantages	<ul style="list-style-type: none"> • Very little noise when operating up and down • The chair to be fixed on the base without movement • Excellent reliability and strength guaranteed by intensified test procedures 																												

Two stage cylinder



MODEL NO.	L	C	V	X	Y
KGT5128-□□□□1	358	124	177	58	43
KGT5147-□□□□1	390	143	191	58	43
KGT5165-□□□□1	436	161	218	58	37

Available Sizes
(in mm)

- Dimensions and F1 force are changeable to comply with buyer's request
- F1 force : 150N ~ 450N

- Extended range of strokes by using the same size of normal standpipe
- Available height adjustments in a wider range for normal and big chairs
- Excellent appearance and superior strength

Feature

- Executive office chair and luxury chair
- Specially designed chair by increasing the strength

Application

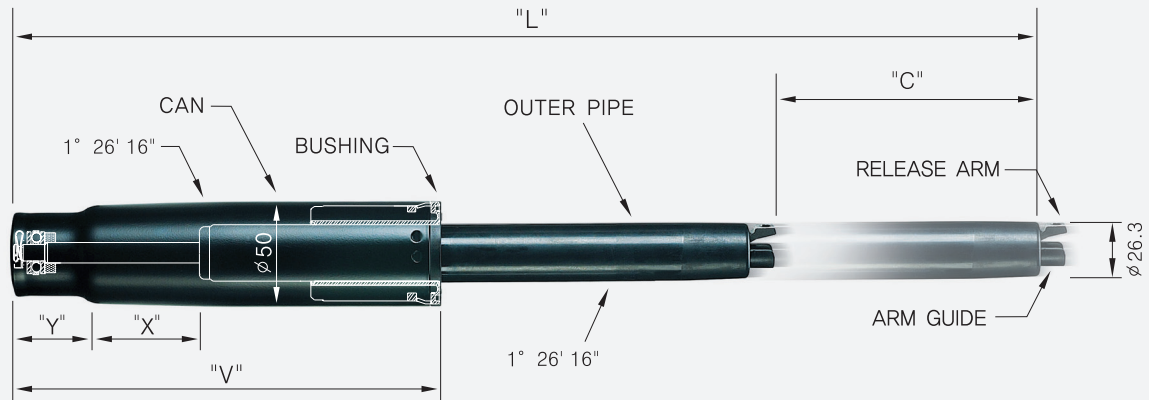
- International test standards required
- Any customer's test requirements

Test Methods

- Smooth operating up and down without noise
- A special sleeve bushing with coating for long time use
- Very little wobble

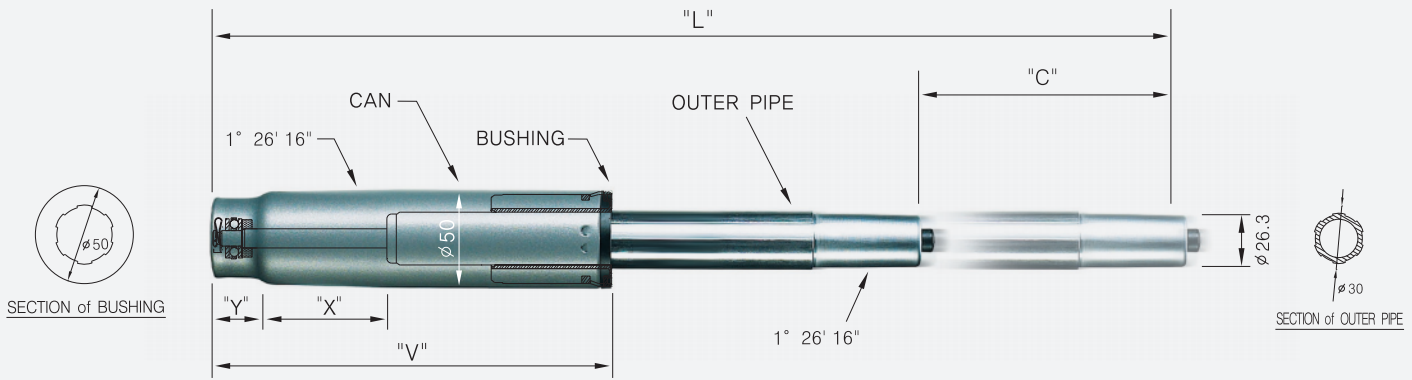
Advantages

Cable cylinder



Available Sizes (in mm)	<table border="1"> <thead> <tr> <th>MODEL NO.</th> <th>L</th> <th>C</th> <th>V</th> <th>X</th> <th>Y</th> </tr> </thead> <tbody> <tr> <td>KGC4104-□□□□1</td> <td>335</td> <td>96</td> <td>180</td> <td>58</td> <td>32</td> </tr> <tr> <td>KGC4120-□□□□1</td> <td>369</td> <td>112</td> <td>203</td> <td>58</td> <td>36</td> </tr> <tr> <td>KGC3143-□□□□1</td> <td>412</td> <td>135</td> <td>230</td> <td>65</td> <td>0</td> </tr> <tr> <td>KGC3210-□□□□1</td> <td>565</td> <td>202</td> <td>318</td> <td>58</td> <td>17</td> </tr> <tr> <td>KGC3270-□□□□1</td> <td>693</td> <td>262</td> <td>375</td> <td>58</td> <td>0</td> </tr> </tbody> </table>	MODEL NO.	L	C	V	X	Y	KGC4104-□□□□1	335	96	180	58	32	KGC4120-□□□□1	369	112	203	58	36	KGC3143-□□□□1	412	135	230	65	0	KGC3210-□□□□1	565	202	318	58	17	KGC3270-□□□□1	693	262	375	58	0
	MODEL NO.	L	C	V	X	Y																															
KGC4104-□□□□1	335	96	180	58	32																																
KGC4120-□□□□1	369	112	203	58	36																																
KGC3143-□□□□1	412	135	230	65	0																																
KGC3210-□□□□1	565	202	318	58	17																																
KGC3270-□□□□1	693	262	375	58	0																																
<ul style="list-style-type: none"> • Dimensions and F1 force are changeable to comply with buyer's request • F1 force : 150N ~ 450N 																																					
Feature	<ul style="list-style-type: none"> • Used for operation up and down by a cable module enabling actuation of the cylinder 																																				
Application	<ul style="list-style-type: none"> • Office Chair 																																				
Test Methods	<ul style="list-style-type: none"> • International test standards required • Any customer's test requirements 																																				
Advantages	<ul style="list-style-type: none"> • Smooth operation up and down by rolling a ball bearing when the release arm opened • Low button force required to actuate 																																				

Non-rotational cylinder



MODEL NO.	L	C	V	X	Y
KGN3080-□□□□1	306	72	185	58	17
KGN3100-□□□□1	347	92	197	58	17
KGN3143-□□□□1	420	135	237	58	17
KGN3210-□□□□1	565	202	318	58	43
KGN3270-□□□□1	693	262	375	58	43

Available Sizes
(in mm)

- Dimensions and F1 force are changeable to comply with buyer's request
- F1 force : 150N ~ 450N

- Type 1 : Not rotating along steel pipe with groove but operating vertically
- Type 2 : Not rotating but operating vertically and the height adjustable when seated and returning the seat automatically to the original height without operating the valve

Feature

- Table and chair

Application

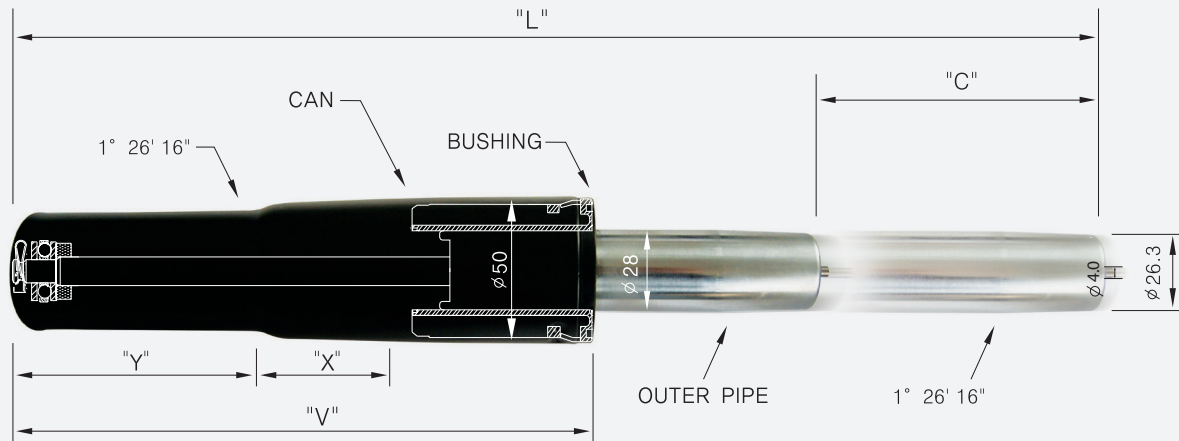
- International test standards required
- Any customer's test requirements

Test Methods

- Operating up and down very smoothly without noise
- Special steel tube with groove in a single structure

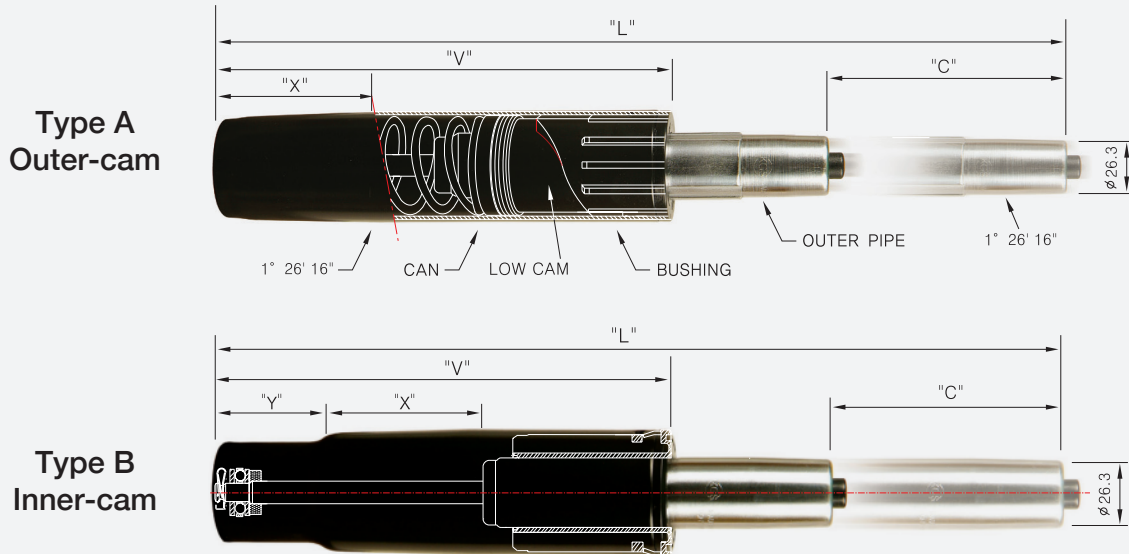
Advantages

Alpha cylinder



Available Sizes (in mm)	<table border="1"> <thead> <tr> <th>MODEL NO.</th> <th>L</th> <th>C</th> <th>V</th> <th>X</th> <th>Y</th> </tr> </thead> <tbody> <tr> <td>KGT3100-□□□□1</td> <td>305</td> <td>96</td> <td>167</td> <td>58</td> <td>17</td> </tr> <tr> <td>KGT3146-□□□□1</td> <td>400</td> <td>142</td> <td>215</td> <td>58</td> <td>43</td> </tr> <tr> <td>KGT3160-□□□□1</td> <td>421</td> <td>156</td> <td>220</td> <td>58</td> <td>17</td> </tr> </tbody> </table>	MODEL NO.	L	C	V	X	Y	KGT3100-□□□□1	305	96	167	58	17	KGT3146-□□□□1	400	142	215	58	43	KGT3160-□□□□1	421	156	220	58	17
	MODEL NO.	L	C	V	X	Y																			
KGT3100-□□□□1	305	96	167	58	17																				
KGT3146-□□□□1	400	142	215	58	43																				
KGT3160-□□□□1	421	156	220	58	17																				
<ul style="list-style-type: none"> • Dimensions and F1 force are changeable to comply with buyer's request • F1 force : 150N ~ 450N 																									
Feature	<ul style="list-style-type: none"> • The Alpha cylinder has the same size with any other regular cylinders but its strokes can be larger • Applicable to various types of chairs 																								
Application	<ul style="list-style-type: none"> • Office and luxury chair • Special chair expanding lower seat position 																								
Test Methods	<ul style="list-style-type: none"> • International test standards required • Any customer's test requirements 																								
Advantages	<ul style="list-style-type: none"> • With the insert bushing optionally applied, the fully compressed height of the chair can be minimized in its structure and design. And, the Back-pull strength is high enough • Extended adjustment range available at the lowest seat position 																								

Auto return auto lift cylinder



TYPE A	L	V	C	X
KGR3080-□□□□1	327	205	72	65
KGR3100-□□□□1	369	225	92	65
KGR3143-□□□□1	412	250	117	65
KGR3210-□□□□1	451	265	132	65
KGR3270-□□□□1	489	285	152	65

TYPE B	L	C	V	X	Y
KGR1077-□□□□1	351	69	220	58	22
KGR1105-□□□□1	399	97	250	58	22
KGR1145-□□□□1	511	137	300	58	22

Available Sizes
(in mm)

- Dimensions and F1 force are changeable to comply with buyer's request
- F1 force : 200N ~ 450N

- The auto-return, auto-lift cylinder swivels 360 degree in both directions, height adjustable when seated and returning the seat automatically to the original position when vacated
- The direction and height of the chair are the same all the time when vacated
- Type A: Outer Cam, Type B: Inner Cam

Feature

- Type A & B in common
 - Bar stools
 - Gameroom chairs
- Conference chairs
- Any specific chairs requiring a line-up
- Type B : Light chair (weight less than 12 kgs)

Application

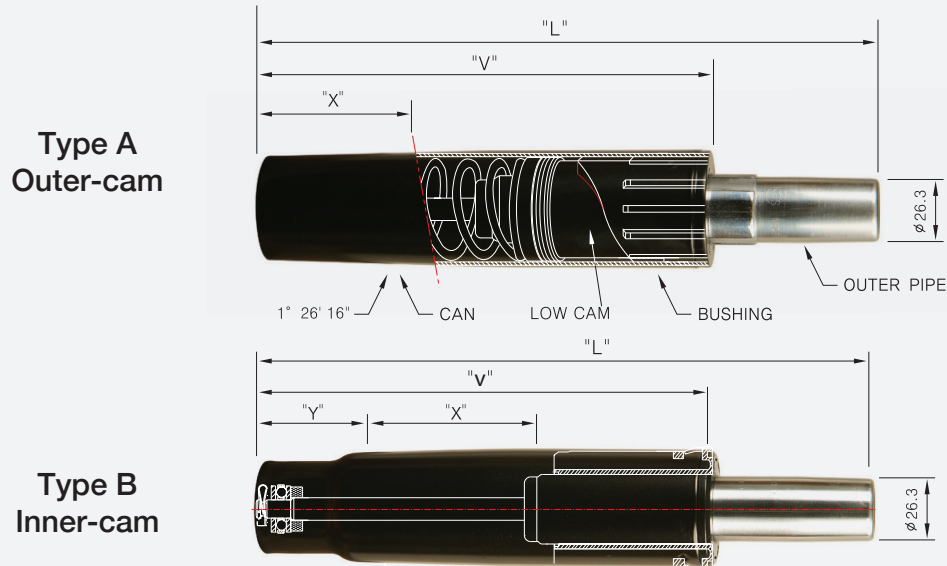
- International test standards required
- Any customer's test requirements

Test Methods

- Smooth rotation without noise
- Comfort and maximized efficiency of the chair
- No need of additional fixture for a joint as the single outer pipe with cylinder in solid steel material

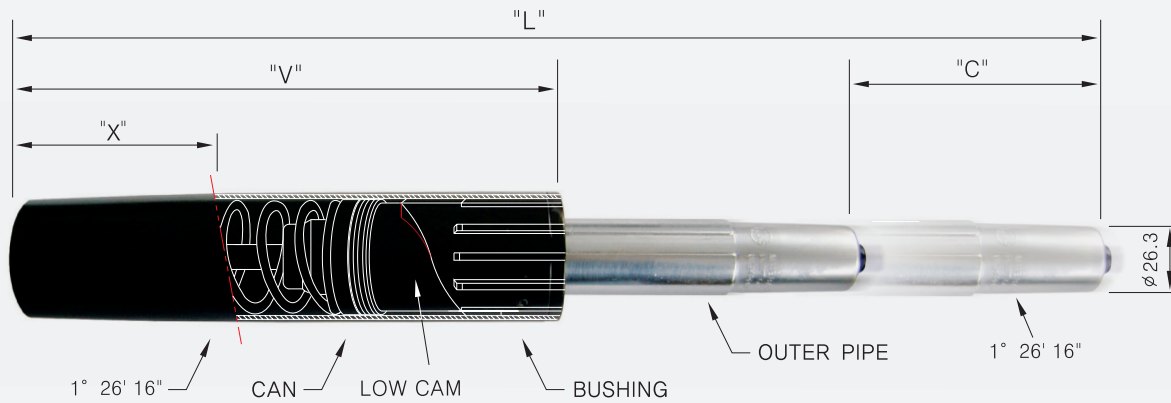
Advantages

Return spindle



Available Sizes (in mm)	TYPE A					
	L	V	X	Y		
	KGR4047-□□□□1	254	182	65	0	
	KGR4047-□□□□2	302	225	65	0	
	KGR4047-□□□□3	327	250	65	0	
	KGR4047-□□□□4	350	285	65	0	
	TYPE B					
	L	C	V	X	Y	
	KGR0027-□□□□1	244	0	175	58	22
	KGR0105-□□□□1	434	0	360	58	22
	• Dimensions are changeable to comply with buyer's request					
Feature	<ul style="list-style-type: none"> • The return spindle is not a height-adjustable cylinder but swivels 360 degree in both directions when seated and returning the seat automatically to the original position when vacated • Type A : Outer Cam , Type B : Inner Cam 					
Application	<ul style="list-style-type: none"> • Type A & B in common <ul style="list-style-type: none"> - Bar stools / Gameroom chairs / Conference chairs • Type B : Light chair (weight less than 12 kgs) 					
Test Methods	<ul style="list-style-type: none"> • International test standards required • Any customer's test requirements 					
Advantages	<ul style="list-style-type: none"> • Smooth rotation without noise • Comfort and maximized efficiency of the chair 					

Auto return height adjustable cylinder



MODEL NO.	L	C	V	X
KGR2080-□□□□1	329	72	205	65
KGR2100-□□□□1	369	92	225	65
KGR2125-□□□□1	412	117	250	65
KGR2140-□□□□1	451	132	265	65
KGR2160-□□□□1	489	152	285	65

Available Sizes
(in mm)

- Dimensions and F1 force are changeable to comply with buyer's request
- F1 force : 200N ~ 450N

- The auto-return height adjustable cylinder swivels 360 degree in both directions, height adjustable when seated and returning the seat automatically to the original direction but height remains unchanged when vacated

Feature

- Bar stools
- Gameroom chairs
- Conference chairs
- Any specific chairs requiring a line-up

Application

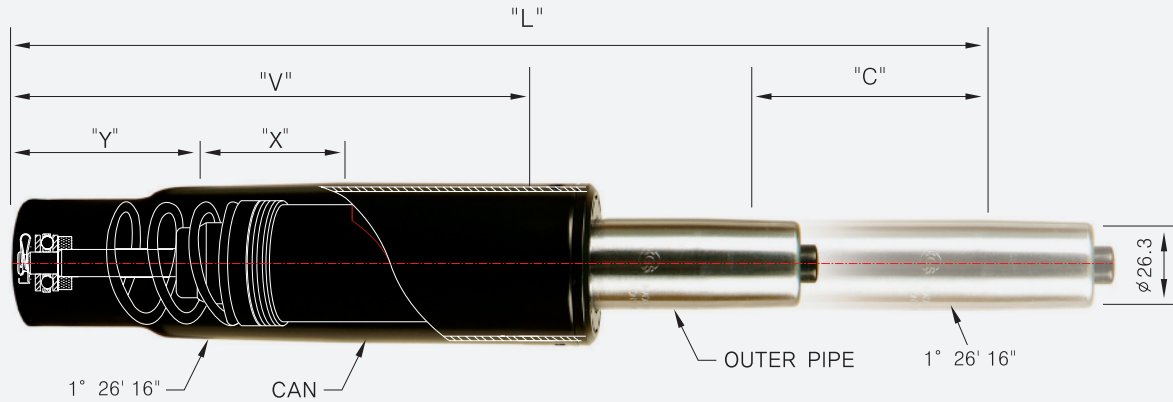
- International test standards required
- Any customer's test requirements

Test Methods

- Smooth rotation without noise
- Comfort and maximized efficiency of the chair
- No need of additional fixture for a joint as the single outer pipe with cylinder in solid steel material

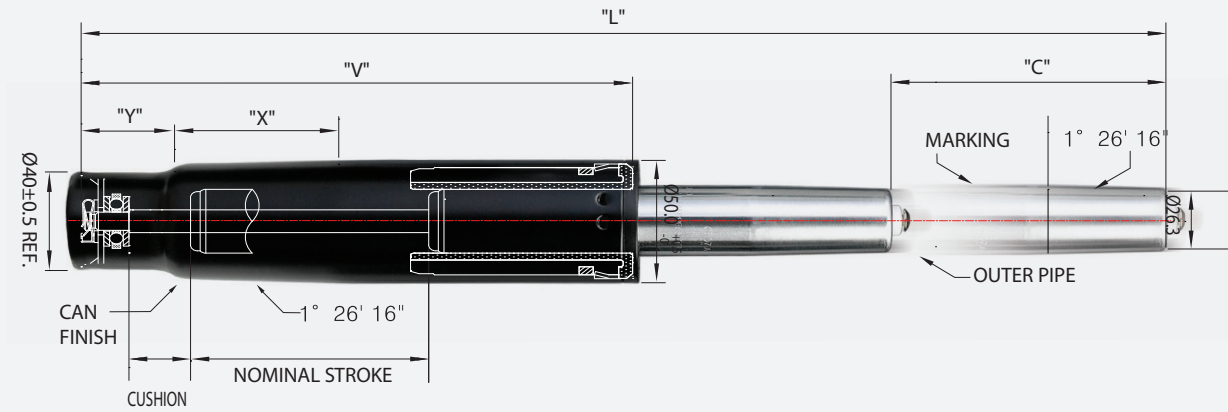
Advantages

Soft cushion cylinder

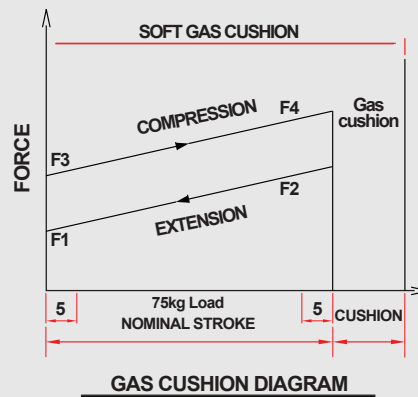


Available Sizes (in mm)	<table border="1"> <thead> <tr> <th>MODEL NO.</th> <th>L</th> <th>C</th> <th>V</th> <th>X</th> <th>Y</th> </tr> </thead> <tbody> <tr> <td>KGE3088-□□□□1</td> <td>328</td> <td>80</td> <td>190</td> <td>58</td> <td>57</td> </tr> <tr> <td>KGE3120-□□□□1</td> <td>384</td> <td>112</td> <td>210</td> <td>58</td> <td>27</td> </tr> </tbody> </table>	MODEL NO.	L	C	V	X	Y	KGE3088-□□□□1	328	80	190	58	57	KGE3120-□□□□1	384	112	210	58	27
	MODEL NO.	L	C	V	X	Y													
KGE3088-□□□□1	328	80	190	58	57														
KGE3120-□□□□1	384	112	210	58	27														
<ul style="list-style-type: none"> • Dimensions and F1 force are changeable to comply with buyer's request • F1 force : 150N ~ 450N 																			
Feature	<ul style="list-style-type: none"> • Soft cushion provided at lowest position • Comfortable cushion provided all the time by using a special coil spring • Excellent appearance 																		
Application	<ul style="list-style-type: none"> • Sensitive chair at shock impact • Specially designed comfortable soft chair at any position 																		
Test Methods	<ul style="list-style-type: none"> • International test standards required • Any customer's test requirements 																		
Advantages	<ul style="list-style-type: none"> • Soft and comfortable cushion provided all the time when seated by a specially designed coil spring 																		

Gas cushion cylinder



- Dimensions and F1 force are changeable to comply with buyer's request
- F1 force : 150N ~ 450N



Available Sizes (in mm)

- Soft cushion provided at lowest position by means of gas
- Very comfortable soft cushion provided all the time at any position by using a unique special gas system

Feature

- Sensitive chair at shock impact
- Office and luxury chair
- Specially designed comfortable chair at any position

Application

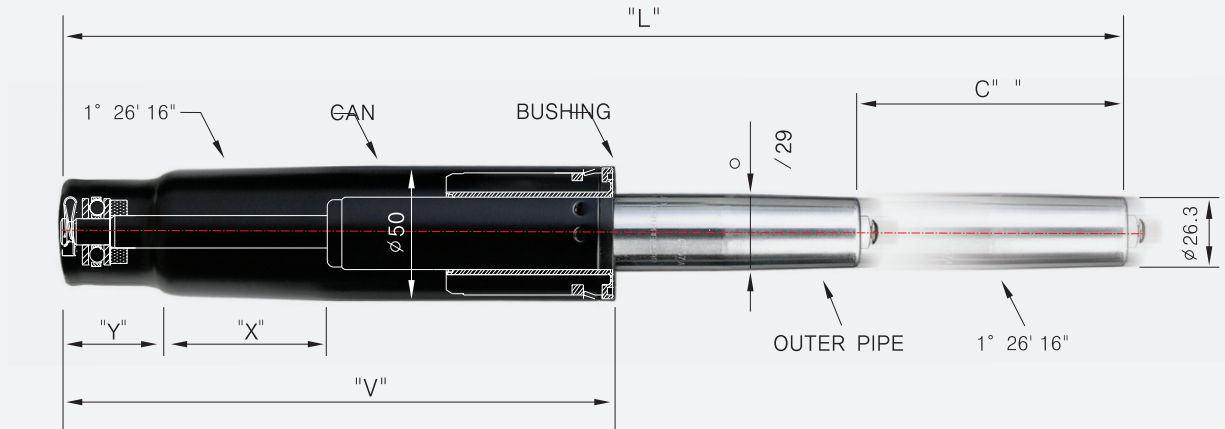
- International test standards required

Test Methods

- Intensity of cushion is changeable according to F1 force, depending on the user's weight or type of chair
- No breakable cushion rubber is necessary

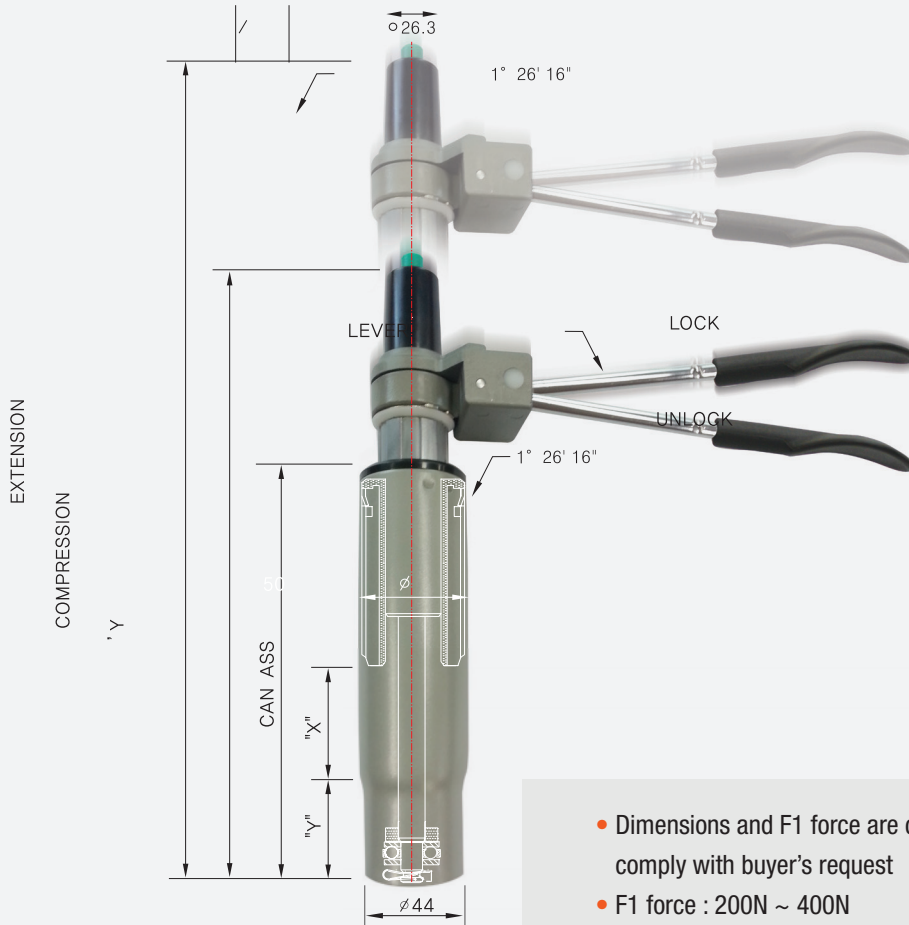
Advantages

Heavy duty cylinder



Available Sizes (in mm)	MODEL NO.	L	C	V	X	Y
	KGH5114-□□□□1	356	106	205	58	36
	KGH5124-□□□□1	393	116	225	58	36
	KGH5143-□□□□1	420	135	232	58	30
	KGH5150-□□□□1	437	142	240	58	57
	<ul style="list-style-type: none"> • Dimensions and F1 force are changeable to comply with buyer's request • F1 force : 150N ~ 500N 					
Feature	<ul style="list-style-type: none"> • Specially designed chair with intensified sealing system and steel pipe • Two optional button operation forces available with 12Kgf and 4Kgf 					
Application	<ul style="list-style-type: none"> • Heavy duty chair for high intensive use for 24 hours a day, 7 days a week 					
Test Methods	<ul style="list-style-type: none"> • International test standards required • Any customer's test requirements 			<ul style="list-style-type: none"> • Heavy Duty Test standards (double-intensified tests required rather than those of ANSI/BIFMA test standards) 		
Advantages	<ul style="list-style-type: none"> • Superior strength for high impact by using a double-sealing system and thick steel pipe • Specially designed chair for heavy duty or multi-shift 					

Switchover cylinder



- Dimensions and F1 force are changeable to comply with buyer's request
- F1 force : 200N ~ 400N

Available Sizes
(in mm)

- Provide rotation and/or non-rotation works by changing the lever from lock to unlock position to comply with the user's option.
- Unlock : Rotation and height adjustment works available when pushing the lever down.
- Lock : Not rotating but height adjustment works available when pushing the lever up. (torque 30Nm)

Feature

- Applicable to the various types of chair.
- Specially designed chairs for student requiring any concentration or children requiring safety in intensified level.
- Any other special chair requiring rotation and / or non-rotation function.
- Office chair.

Application

- Any customer's own test requirements.
- Applicable to the torque force with less than 30Nm

Test Methods

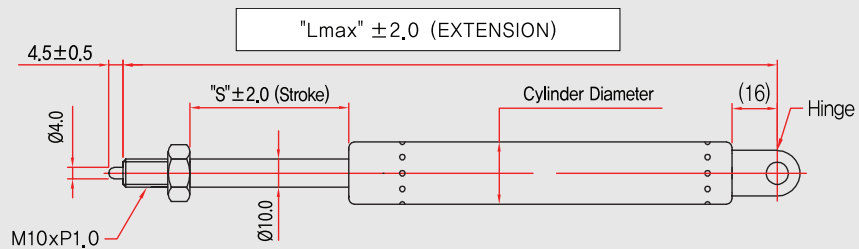
- Very little noise at vertical activation.
- Easy to manipulate rotation or non-rotation works by lever.
- Torque will be adjustable as necessary. (Torque adjustable with less than 30Nm)

Advantages

Gas spring



Characteristics of the product



- Gas Spring(lock type) can accommodate any continuous and variable shift to wherever the user wants and is suitable for parts which require strong power due to its higher locking force compared to typical gas cylinders. In addition, its low elasticity against alternating movement in contrast to its large locking power makes it perfect for adjusting table height or stopping to use an object at any point desired.

TYPE Available Sizes

• KGS5 TYPE Available Sizes (Unit:mm)


















MODEL NO.	Cylinder Diameter (Ø28mm)		
	L max	S	F1 (Force Range)
KGS5020	170	20	200N~800N
KGS5040	220	40	200N~800N
KGS5060	260	60	200N~800N
KGS5080	310	80	200N~800N
KGS5100	360	100	200N~800N
KGS5120	400	120	200N~800N
KGS5150	470	150	200N~800N
KGS5180	540	180	200N~800N
KGS5200	580	200	200N~800N
KGS5250	700	250	200N~800N

• KGS3 TYPE Available Sizes (Unit:mm)

MODEL NO.	Cylinder Diameter (Ø28mm)		
	L max	S	F1 (Force Range)
KGS3020	170	20	200N~500N
KGS3040	220	40	200N~500N
KGS3060	270	60	200N~500N
KGS3080	320	80	200N~500N
KGS3100	370	100	200N~500N
KGS3120	420	120	200N~500N
KGS3150	490	150	200N~500N
KGS3180	560	180	200N~500N
KGS3200	610	200	200N~500N
KGS3250	730	250	200N~500N

- Dimensions and F1 force are changeable to comply with buyer's request
- Please contact us for further information

Products

<p>CYLINDER WITH COLUMN</p>	 <p>Regular-built cylinder with column</p>	<p>CYLINDER WITHOUT COLUMN</p>	 <p>Regular-built cylinder without column</p>	<p>SOFT DESCENT CYLINDER</p>	 <p>Slowly descending at compression, but same extension speed as regular-built cylinder.</p>
<p>SOFT LANDING CYLINDER</p>	 <p>Soft landing at 20~35mm from bottom end</p>	<p>HIGH-CONE CYLINDER</p>	 <p>Used for the lofty spider bases</p>	<p>FIXED CYLINDER</p>	 <p>Used for bar and visitor's chair by fixing to the bases with screw</p>
<p>TWO STAGE CYLINDER</p>	 <p>Extended range of strokes by 35mm</p>	<p>CABLE CYLINDER</p>	 <p>Used for operation up and down by a cable module</p>	<p>NON-ROTATIONAL CYLINDER</p>	 <p>Not rotating but operating vertically</p>
<p>ALPHA CYLINDER</p>	 <p>22mm longer stroke with the same sized regular-built cylinder</p>	<p>AUTO RETURN AUTO LIFT CYLINDER</p>	 <p>Height adjustment and swivel available when seated and returns to original position when vacated</p>	<p>RETURN SPINDLE</p>	 <p>Swivel when seated and memory return to original position when vacated</p>
<p>AUTO RETURN HEIGHT ADJUSTABLE CYLINDER</p>	 <p>Height remains and return to the original direction when vacated</p>	<p>SOFT CUSHION CYLINDER</p>	 <p>Very soft cushion by using a special coil spring</p>	<p>GAS CUSHION CYLINDER</p>	 <p>Soft cushion provided by using a special device with gas</p>
<p>HEAVY DUTY CYLINDER</p>	 <p>Used for Heavy-duty environment for 24 hours a day and 7 days a week</p>	<p>SWITCH OVER CYLINDER</p>	 <p>Rotation and/or non-rotation optionally chosen to comply with user's need</p>		

Compotek^{ck}

Sede Legale: COMPOTEK S.r.l. Unipersonale
Piazza XX Settembre, 23 33100 Udine

Sede operativa e magazzino:
Via Maroncelli, 12 33044 Manzano (Ud) Italy

Tel. +39 0432 720361
Fax +39 0432 710677

www.compoteksrl.it
Info@compoteksrl.it

www.compoteksrl.it
components for office chairs