



Cilindro a gas para la regulación de altura de asientos

Gas spring for seat height regulation

Cilindro a gas NO AUTOPORTANTE fabricado con Doble tubo
NON-SELF SUPPORTING gas spring, manufactured with Double tube

Normas internacionales

Los cilindros a gas Abain de la Serie DC, han sido testados de acuerdo a la prueba de durabilidad **EN1335-3: 2000**. Esta prueba abarca los cilindros a gas que se utilizan en sillas de oficina para uso de hasta 8 horas/día por personas que pesen hasta 110 kg.

Bajo requerimiento extra, Serie DH, cilindros a gas para **uso intensivo** cumpliendo con la norma **BS 5459-2: 2000 + A2: 2008**. Esta prueba abarca los cilindros a gas de sillas de oficina con uso de hasta 24 horas/día, o para personas que pesen hasta 150 kg.

International standards

Abain manufactured DC Series gas springs has been tested according to the durability test **EN1335-3:2000**. This test covers gas springs to be used in office seating for use up to 8 hours a day by people weighing up to 110 kg.

Under extra request, DH Series, gas spring for **intensive use** compliant with **BS 5459-2:2000+A2:2008**. This test covers gas springs to be used in office seating used by people weighing up to 150 kg, or when used for up to 24 hours a day.



Altura del pulsador de activación

Abain fabrica cilindros a gas con diferentes alturas de pulsador, muy importante para su correcta activación. Evita que el pulsador quede pre-activado montado en el mecanismo, o al contrario, que la palanca no llegue a activarlo.

Height of the push button

Abain manufactures gas springs with different push button heights, very important for its correct activation in the mechanism of the chair. It avoids that the button is pre-activated when it is mounted in the mechanism, or on the contrary, the lever does not reach to activate it.

Amortiguación final de carrera (Opcional)

El cilindro a gas se monta con un tope de goma al final de la carrera. Como extra, se puede añadir un muelle para la amortiguación al final de carrera, lo que ofrece mayor confort.

End of stroke damping (Optional)

The gas spring is assembled with a rubber stop at the end of the stroke. As an extra, a spring can be added for end stroke damping, which offers greater comfort.



Retén de grasa en el casquillo (Opcional)

Evita que la grasa de lubricación que se aplica para un suave desplazamiento, no salga hacia fuera. Evita la marca de grasa circunferencial alrededor del cilindro.

Grease stopper in the plastic (Optional)

Prevents lubrication grease for a smooth movement, do not leave out. Avoids the grease circumferential mark around the cylinder.



Propiedades conductivas o antiestáticas (Opcional)

Abain puede fabricar cilindros a gas con propiedades conductivas, es decir, hacer que el cilindro sea conductivo o antiestático, evitando la acumulación de electricidad estática. Comúnmente utilizado en laboratorios y cadenas de montaje específicas.



Grease stopper in the plastic (Optional)

Abain can manufacture gas cylinders with conductive properties, ie make the cylinder conductive or antistatic, avoiding the accumulation of static electricity. Commonly used in laboratories and specific assembly lines.

Disponibles en diversas fuerzas, desde 100N hasta 500N / Available in several forces, from 100N up to 500N

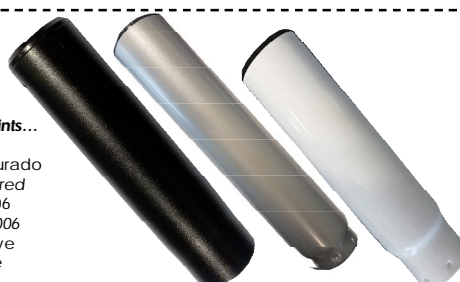
Cromado brillo
Bright chromed

Cromado mate
Mat chromed



Varios pintados...
Several paints...

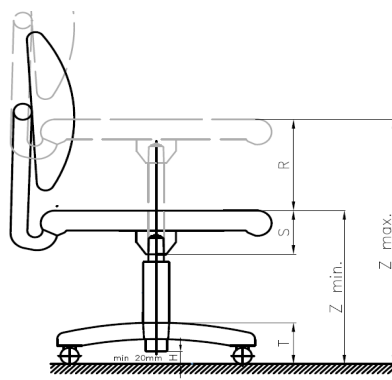
Negro texturado
Black textured
Gris Ral 9006
Grey Ral 9006
Blanco nieve
Snow white



Diversos acabados/ Several finishes:

Con un coste extra, Abain puede pintar con la pintura en polvo suministrada por el cliente. Under an extra cost, Abain can paint with the paint powder supplied by the customer.





Indique sus requisitos/Indicate your requirements

Diseñe su propio cilindro a gas

Abain fabrica modelos estandarizados y modelos específicamente diseñados para ajustarse a las medidas requeridas por el cliente

Design your own gas spring

Abain manufactures standardized models and models specifically designed to fit the customer required measures

| | | |
|------|-------------------------|--|
| Zmin | (Minimum seat position) | |
| Zmax | (Maximum seat position) | |
| R | (stroke) | |
| S | (Seat height) | |
| T | (Base height) | |

| CODIGO CODE | AA | R | F1 | F | GK | E | D | C | I | B | L |
|-------------|-----|-----|------|-----|-----|-----|-----|-----|----|-----|-----|
| DC000-7001 | 183 | 80 | 400N | 151 | 70 | 81 | 126 | 196 | 11 | 206 | 276 |
| DC000-7005 | 183 | 80 | 400N | 151 | 85 | 66 | 111 | 196 | 11 | 191 | 276 |
| DC000-7003 | 183 | 80 | 400N | 151 | 95 | 56 | 101 | 196 | 11 | 181 | 276 |
| DC001-7000 | 198 | 95 | 400N | 171 | 70 | 101 | 141 | 211 | 6 | 236 | 306 |
| DC001-7102 | 198 | 95 | 400N | 171 | 85 | 86 | 126 | 211 | 6 | 221 | 306 |
| DC001-7104 | 198 | 95 | 400N | 171 | 95 | 76 | 116 | 211 | 6 | 211 | 306 |
| DC001-7106 | 198 | 95 | 400N | 171 | 105 | 66 | 106 | 211 | 6 | 201 | 306 |
| DC001-7107 | 198 | 95 | 400N | 171 | 115 | 56 | 96 | 211 | 6 | 191 | 306 |
| DC001-9009 | 198 | 95 | 400N | 171 | 125 | 46 | 86 | 211 | 6 | 181 | 306 |
| DC001-9010 | 198 | 95 | 400N | 171 | 135 | 36 | 76 | 211 | 6 | 171 | 306 |
| DC004-7008 | 213 | 110 | 400N | 181 | 70 | 111 | 156 | 226 | 11 | 266 | 336 |
| DC004-7110 | 213 | 110 | 400N | 181 | 85 | 96 | 141 | 226 | 11 | 251 | 336 |
| DC004-7112 | 213 | 110 | 400N | 181 | 95 | 86 | 131 | 226 | 11 | 241 | 336 |
| DC004-7114 | 213 | 110 | 400N | 181 | 105 | 76 | 121 | 226 | 11 | 231 | 336 |
| DC004-7116 | 213 | 110 | 400N | 181 | 115 | 66 | 111 | 226 | 11 | 221 | 336 |
| DC004-7117 | 213 | 110 | 400N | 181 | 125 | 56 | 101 | 226 | 11 | 211 | 336 |
| DC004-9006 | 213 | 110 | 400N | 181 | 145 | 36 | 81 | 226 | 11 | 191 | 336 |
| DC004-9007 | 213 | 110 | 400N | 181 | 160 | 21 | 66 | 226 | 11 | 176 | 336 |
| DC008-7002 | 233 | 120 | 400N | 201 | 70 | 131 | 176 | 246 | 11 | 296 | 366 |
| DC008-7004 | 233 | 120 | 400N | 201 | 85 | 116 | 161 | 246 | 11 | 281 | 366 |
| DC008-7006 | 233 | 120 | 400N | 201 | 95 | 106 | 151 | 246 | 11 | 271 | 366 |
| DC008-7118 | 233 | 120 | 400N | 201 | 105 | 96 | 141 | 246 | 11 | 261 | 366 |
| DC008-7120 | 233 | 120 | 400N | 201 | 115 | 86 | 131 | 246 | 11 | 251 | 366 |
| DC008-7124 | 233 | 120 | 400N | 201 | 125 | 76 | 121 | 246 | 11 | 241 | 366 |
| DC008-7125 | 233 | 120 | 400N | 201 | 135 | 66 | 111 | 246 | 11 | 231 | 366 |
| DC008-7127 | 233 | 120 | 400N | 201 | 145 | 56 | 101 | 246 | 11 | 221 | 366 |
| DC008-9002 | 233 | 120 | 400N | 201 | 150 | 51 | 96 | 246 | 11 | 216 | 366 |
| DC008-9014 | 233 | 120 | 400N | 201 | 160 | 41 | 86 | 246 | 11 | 206 | 366 |
| DC008-9003 | 233 | 120 | 400N | 201 | 165 | 36 | 81 | 246 | 11 | 201 | 366 |
| DC008-9005 | 233 | 120 | 400N | 201 | 170 | 31 | 76 | 246 | 11 | 196 | 366 |
| DC008-9001 | 233 | 120 | 400N | 201 | 180 | 21 | 66 | 246 | 11 | 186 | 366 |
| DC010-7002 | 233 | 130 | 320N | 201 | 70 | 131 | 176 | 246 | 11 | 306 | 376 |
| DC010-7004 | 233 | 130 | 320N | 201 | 85 | 116 | 161 | 246 | 11 | 291 | 376 |
| DC010-7006 | 233 | 130 | 320N | 201 | 95 | 106 | 151 | 246 | 11 | 281 | 376 |
| DC010-7118 | 233 | 130 | 320N | 201 | 105 | 96 | 141 | 246 | 11 | 271 | 376 |
| DC010-7120 | 233 | 130 | 320N | 201 | 115 | 86 | 131 | 246 | 11 | 261 | 376 |
| DC010-7124 | 233 | 130 | 320N | 201 | 125 | 76 | 121 | 246 | 11 | 251 | 376 |
| DC010-7125 | 233 | 130 | 320N | 201 | 135 | 66 | 111 | 246 | 11 | 241 | 376 |
| DC010-7127 | 233 | 130 | 320N | 201 | 145 | 56 | 101 | 246 | 11 | 231 | 376 |
| DC010-9002 | 233 | 130 | 320N | 201 | 150 | 51 | 96 | 246 | 11 | 226 | 376 |
| DC010-9014 | 233 | 130 | 320N | 201 | 160 | 41 | 86 | 246 | 11 | 216 | 376 |
| DC010-9003 | 233 | 130 | 320N | 201 | 165 | 36 | 81 | 246 | 11 | 211 | 376 |
| DC010-9005 | 233 | 130 | 320N | 201 | 170 | 31 | 76 | 246 | 11 | 206 | 376 |
| DC010-9001 | 233 | 130 | 320N | 201 | 180 | 21 | 66 | 246 | 11 | 196 | 376 |
| DC015-7122 | 243 | 140 | 320N | 211 | 70 | 141 | 186 | 256 | 11 | 326 | 396 |
| DC015-7126 | 243 | 140 | 320N | 211 | 85 | 126 | 171 | 256 | 11 | 311 | 396 |
| DC015-7123 | 243 | 140 | 320N | 211 | 95 | 116 | 161 | 256 | 11 | 301 | 396 |
| DC015-7131 | 243 | 140 | 320N | 211 | 105 | 106 | 151 | 256 | 11 | 291 | 396 |
| DC015-7132 | 243 | 140 | 320N | 211 | 115 | 96 | 141 | 256 | 11 | 281 | 396 |
| DC015-7133 | 243 | 140 | 320N | 211 | 125 | 86 | 131 | 256 | 11 | 271 | 396 |
| DC015-7136 | 243 | 140 | 320N | 211 | 135 | 76 | 121 | 256 | 17 | 261 | 396 |
| DC015-7141 | 243 | 140 | 320N | 211 | 150 | 61 | 106 | 256 | 17 | 246 | 396 |
| DC015-7144 | 243 | 140 | 320N | 211 | 160 | 51 | 96 | 256 | 17 | 236 | 396 |
| DC015-7139 | 243 | 140 | 320N | 211 | 170 | 41 | 86 | 256 | 17 | 226 | 396 |
| DC015-9015 | 243 | 140 | 320N | 211 | 180 | 31 | 76 | 256 | 11 | 216 | 396 |
| DC016-7022 | 254 | 150 | 320N | 221 | 70 | 151 | 197 | 267 | 12 | 347 | 417 |
| DC016-7020 | 254 | 150 | 320N | 221 | 85 | 136 | 182 | 267 | 12 | 332 | 417 |
| DC016-7026 | 254 | 150 | 320N | 221 | 95 | 126 | 172 | 267 | 12 | 322 | 417 |
| DC016-7036 | 254 | 150 | 320N | 221 | 105 | 116 | 162 | 267 | 12 | 312 | 417 |
| DC016-7040 | 254 | 150 | 320N | 221 | 115 | 106 | 152 | 267 | 12 | 302 | 417 |
| DC016-7042 | 254 | 150 | 320N | 221 | 125 | 96 | 142 | 267 | 12 | 292 | 417 |
| DC016-7043 | 254 | 150 | 320N | 221 | 130 | 91 | 137 | 267 | 12 | 287 | 417 |
| DC016-7128 | 254 | 150 | 320N | 221 | 135 | 86 | 132 | 267 | 12 | 282 | 417 |
| DC016-7137 | 254 | 150 | 320N | 221 | 145 | 76 | 122 | 267 | 12 | 272 | 417 |
| DC016-7130 | 254 | 150 | 320N | 221 | 150 | 71 | 117 | 267 | 12 | 267 | 417 |
| DC016-7134 | 254 | 150 | 320N | 221 | 170 | 51 | 97 | 267 | 12 | 247 | 417 |

| CODIGO CODE | AA | R | F1 | F | GK | E | D | C | I | B | L |
|-------------|-----|-----|------|-----|-----|-----|-----|-----|----|-----|-----|
| DC017-7032 | 264 | 140 | 320N | 231 | 70 | 161 | 207 | 277 | 12 | 347 | 417 |
| DC017-7034 | 264 | 140 | 320N | 231 | 85 | 146 | 192 | 277 | 12 | 332 | 417 |
| DC017-7028 | 264 | 140 | 320N | 231 | 95 | 136 | 182 | 277 | 12 | 322 | 417 |
| DC017-7038 | 264 | 140 | 320N | 231 | 105 | 126 | 172 | 277 | 12 | 312 | 417 |
| DC017-7050 | 264 | 140 | 320N | 231 | 115 | 116 | 162 | 277 | 12 | 302 | 417 |
| DC017-7052 | 264 | 140 | 320N | 231 | 125 | 106 | 152 | 277 | 12 | 292 | 417 |
| DC017-7039 | 264 | 140 | 320N | 231 | 130 | 101 | 147 | 277 | 12 | 287 | 417 |
| DC017-7108 | 264 | 140 | 320N | 231 | 135 | 96 | 142 | 277 | 12 | 282 | 417 |
| DC017-7109 | 264 | 140 | 320N | 231 | 145 | 86 | 132 | 277 | 12 | 272 | 417 |
| DC017-7041 | 264 | 140 | 320N | 231 | 150 | 81 | 127 | 277 | 12 | 267 | 417 |
| DC017-7113 | 264 | 140 | 320N | 231 | 155 | 76 | 122 | 277 | 12 | 262 | 417 |
| DC017-7048 | 264 | 140 | 320N | 231 | 170 | 61 | 107 | 277 | 12 | 247 | 417 |
| DC025-7032 | 264 | 155 | 320N | 231 | 70 | 161 | 207 | 277 | 12 | 362 | 432 |
| DC025-7034 | 264 | 155 | 320N | 231 | 85 | 146 | 192 | 277 | 12 | 347 | 432 |
| DC025-7028 | 264 | 155 | 320N | 231 | 95 | 136 | 182 | 277 | 12 | 337 | 432 |
| DC025-7038 | 264 | 155 | 320N | 231 | 105 | 126 | 172 | 277 | 12 | 327 | 432 |
| DC025-7050 | 264 | 155 | 320N | 231 | 115 | 116 | 162 | 277 | 12 | 317 | 432 |
| DC025-7052 | 264 | 155 | 320N | 231 | 125 | 106 | 152 | 277 | 12 | 307 | 432 |
| DC050-7072 | 287 | 175 | 320N | 246 | 70 | 176 | 230 | 300 | 20 | 405 | 475 |
| DC050-7070 | 287 | 175 | 320N | 246 | 85 | 161 | 215 | 300 | 20 | 390 | 475 |
| DC050-7068 | 287 | 175 | 320N | 246 | 95 | 151 | 205 | 300 | 20 | 380 | 475 |
| DC050-7158 | 287 | 175 | 320N | 246 | 105 | 141 | 195 | 300 | 20 | 370 | 475 |
| DC050-7160 | 287 | 175 | 320N | 246 | 115 | 131 | 185 | 300 | 20 | 360 | 475 |
| DC050-7162 | 287 | 175 | 320N | 246 | 125 | 121 | 175 | 300 | 20 | 350 | 475 |
| DC049-7058 | 295 | 155 | 320N | 256 | 70 | 186 | 238 | 308 | 18 | 393 | 463 |
| DC049-7176 | 295 | 155 | 320N | 256 | 85 | 171 | 223 | 308 | 18 | 378 | 463 |
| DC049-7056 | 295 | 155 | 320N | 256 | 95 | 161 | 213 | 308 | 18 | 368 | 463 |
| DC049-7178 | 295 | 155 | 320N | 256 | 105 | 151 | 203 | 308 | 18 | 358 | 463 |
| DC049-7180 | 295 | 155 | 320N | 256 | 115 | 141 | 193 | 308 | 18 | 348 | 463 |
| DC049-7182 | 295 | 155 | 320N | 256 | 125 | 131 | 183 | 308 | 18 | 338 | 463 |
| DC049-7188 | 295 | 155 | 320N | 256 | 135 | 121 | 173 | 308 | 18 | 328 | 463 |
| DC049-7186 | 295 | 155 | 320N | 256 | 140 | 116 | 168 | 308 | 18 | 323 | 463 |
| DC049-7187 | 295 | 155 | 320N | 256 | 145 | 111 | 163 | 308 | 18 | 318 | 463 |
| DC065-7076 | 355 | 200 | 400N | 305 | 70 | 234 | 298 | 368 | 30 | 498 | 568 |
| DC065-7096 | 355 | 200 | 400N | 305 | 85 | 220 | 283 | 368 | 30 | 483 | 568 |
| DC065-7086 | 355 | 200 | 400N | 305 | 95 | 210 | 273 | 368 | 30 | 473 | 568 |
| DC065-7090 | 355 | 200 | 400N | 305 | 105 | 200 | 263 | 368 | 30 | 463 | 568 |
| DC065-7082 | 355 | 200 | 400N | 305 | 115 | 190 | 253 | 368 | 30 | 453 | 568 |
| DC065-7094 | 355 | 200 | 400N | 305 | 125 | 180 | 243 | 368 | 30 | 443 | 568 |
| DC060-7062 | 420 | 260 | 400N | 375 | 70 | 305 | 363 | 433 | 24 | 623 | 693 |
| DC060-7060 | 420 | 260 | 400N | 375 | 85 | 290 | 348 | 433 | 24 | 608 | 693 |
| DC060-7078 | 420 | 260 | 400N | 375 | 95 | 280 | 338 | 433 | 24 | 598 | 693 |
| DC060-7074 | 420 | 260 | 400N | 375 | 105 | 270 | 328 | 433 | 24 | 588 | 693 |
| DC060-706 | | | | | | | | | | | |