

DGS氮氣彈簧指數

DGS GAS SPRING INDEX

DGS系列：阻尼氮氣彈簧

DGS SERIES:DAMPED GAS SPRINGS



DGS 750
750 daN
12.7-300mm
Φ50



DGS 1500
1500 daN
12.7-300mm
Φ75



DGS 3000
3000 daN
12.7-300mm
Φ95



DGS 5000
5000 daN
12.7-300mm
Φ120



DGS 7500
7500 daN
12.7-300mm
Φ150



DGS 10000
10000 daN
12.7-300mm
Φ195

氮氣彈簧
Nitrogen oxide mold

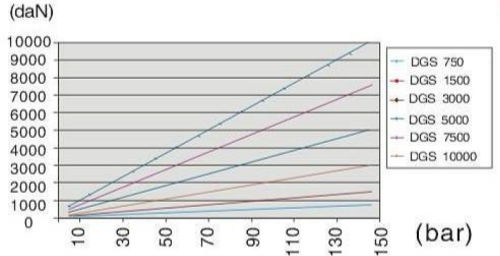
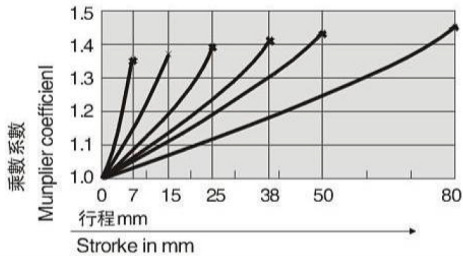
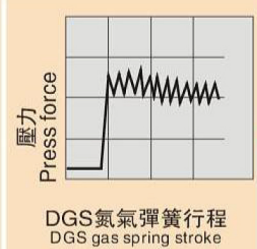
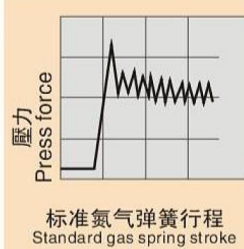
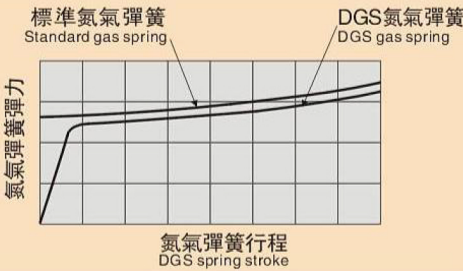
- 壓力不斷增加并且持續加速
- 襯墊上的衝擊力更小
- 降低保養成本，提高產量
- 保持所有尺度，壓力和鬆緊度均按ISO系列
- Progressive increase of pressure and constant acceleration
- Lower impact on press cushion
- Reduce maintenance costsb improving production
- Keep all dimensions forces and fastening from thr ISO series.

DGS-750
DGS-1500
DGS-3000
DGS-5000
DGS-7500
DGS-10000

DGS系列特征

ABOUT DGS SERIES

型號 MODEL	彈力 FORCE (daN)	Φ缸體 Φ BODY (mm)	可否修復 REPAIR	可否連接 CONNECTION	充氣口徑 FILLING PORT
DGS-750	750	50	是/YES	是/YES	1/8"Gas
DGS-1500	1500	75	是/YES	是/YES	1/8"Gas
DGS-3000	3000	95	是/YES	是/YES	1/8"Gas
DGS-5000	5000	120	是/YES	是/YES	1/8"Gas
DGS-7500	7500	150	是/YES	是/YES	1/8"Gas
DGS-10000	10000	195	是/YES	是/YES	1/8"Gas



壓力增加圖表
依據使用行程

PRESSURE INCREASE
DIAGRAM ACCORDING
TO STROKE USED

彈力圖表
依據負荷壓力

FORCE DIAGRAM
ACCORDING TO
LOADING PRESSURE

壓力介質/Pressure medium	N ₂
最大充氣壓力/Max.charging pressure	150bar
最小充氣壓力/Min.charging pressure	20bar
工作溫度/Operating temperature	0° -110°
最大活塞杆速度/Max.Piston rod speed	1.6m/s
可否再充氣/Refillable	是/Yes
可否連接/Connection	是/Yes

建議預留10%行程
A 10% stroke length allowance is recommended.

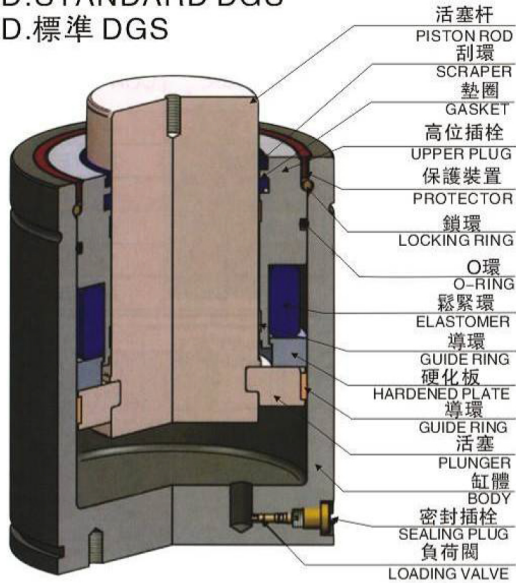
目錄以外之特殊氮氣彈簧可以訂購
Special gas springs out of catalogue are manufactured under order

氮氣彈簧
Nitrogen gas spring

技術特征

TECHNICAL FEATURES

MOD.STANDARD DGS
MOD.標準 DGS



DGS氮氣彈簧專門設計於通過減少保養項目，讓工具和衝壓設備更易解決大部分常見問題，而達到更長預期使用壽命，由於降低了噪音水平而使其在更有效，更健康，安全的工作環境下產量更高。

氮氣彈簧衝程初始階段彈力的緩慢增加，使其加速平穩而均勻，從而使引導和工具上的摩擦減少，所有這些事項都節省了時間和保養成本。

氮氣彈簧的活塞對於高位插栓的阻尼作用降低了每次衝程的噪音水平，而成為理想的防音裝置，並營造了一個健康、安全的工作環境。
通過氮氣彈簧傳導的振動很低，接着，品質元件的轉移更流暢，襯墊的操作更一致而改善了工作環境。

-Las vibraciones que transmiten los cilindros son menores, por lo que se logra una mejora sensible en las condiciones de producción, facilitando el transporte y la calidad de la pieza y permitiendo unos movimientos de prensa más uniformes.

DGS gas springs are specially designed to enjoy a longer life expectancy by reducing maintenance tasks that makes easier for the tool and press stamping facilities to face the most common challenges higher production in an more efficient, healthier and safer working environment thanks to the lower noise levels achieved. From the standard gas springs, improvements have been in introduced:

-Low force increase for the gas spring at the beginning of the stroke let a smooth and uniform acceleration that allows less wearing of guiding and sealing elements. In addition, it involves lower press efforts when start moving each gas spring rod and reduce wear on both press and tool. All these considerations save timing and maintenance costs.

-Damped effect for the gas spring plunger against the upper plug, makes considerable quieter the sound level produced in each stroke, contributing to a healthier and safer working environment.

-Vibrations transmitted by the gas spring are lower, this in turn, let improve production conditions by making easier quality part transfer and more uniform pad operation.