

Type Comparison

BKB——ISO International standard

1. It is the most commonly used typical type, all technical parameters are in line with ISO11901 air spring international standard and China's national standard, but also in line with ForD-WDX3560 (FORD), GM-150 (GM) and Rnault(Renault) and other company's nitrogen spring standards.
2. Complete interchangeability with similar foreign products, such as Kaller, Dadco and Hyson.
3. Generally, it is often connected to the system, which is very convenient to adjust the pressure and can also be used independently.
4. Regardless of the length of the working journey, it shows very good stability.

BKJ——Compact structure

1. It is a popular type of mold designers, with a shorter base length than BKB, so the total length can reduce the design height of the mold, and is the preferred variety of special nitrogen spring for the mold.
2. It is basically interchangeable with similar foreign products.
3. Generally used independently in the mold, the installation is very simple, and it can also be used as a system when the elastic pressure is $\geq 5000\text{N}$.
4. When the working travel requirements are not too long, the performance in all aspects is no less than the BKB-ISO standard type.

Elastic pressure N	Working cylinder diameter (mm)	Piston cylinder diameter (mm)	Base length(mm)	Range of travel(mm)	Working cylinder diameter(mm)	Piston cylinder diameter(mm)	Base length(mm)	Range of travel(mm)
450	12	6	42	10-100				
750	19	8	42	10-100				
1700	32	12	50	10-125	25	12	42	10-125
2500	38	15	50	10-125	38	15	40	10-125
5000	45	20	85	13-160	45	20	50	10-125
7500	50	25	95	13-200	50	25	50	10-125
10000	63	30	100	13-200	63	30	55	10-125
15000	75	36	110	15-250	75	36	60	10-125
24000	88	45	110	20-300	88	45	65	10-125
30000	95	50	120	20-300	95	50	70	10-125
42000	113	60	120	20-300	113	60	75	10-125
50000	120	65	140	25-300	120	65	80	10-125
66000	140	75	140	25-300	140	75	85	10-125
75000	150	80	155	25-300	150	80	95	75000
100000	195	95	160	25-300				

Total length L= base length +2X travel S

Lmin= base length + stroke S

Interchangeable brands:

Kaller——TU
Dadco——90.10
Hyson——T2ISO
Quiri——RG
Misumi——RGE

Interchangeable brands:

Kaller——K
Hyson——T2L
Quiri——RGH
Dadco——90.9and^L

BKC\CG——Super short strong type

1. It is a new type of development, it is a model with the shortest base length in today's nitrogen spring family, and it is a grade smaller than the outside diameter of other types of nitrogen springs (except BKH), so it has a small body and a large force. When the height space and circumferential (radial) space of the mold design are strictly limited at the same time, it is the preferred variety of mold designers.
2. It is basically interchangeable with similar foreign products.
3. Generally independent use, installation is very simple.
4. When the working schedule is not too long, the performance in all aspects is no less than BKB -- ISO standard type.

BKH——Super fine and strong type

1. It is a piston-sealed type with an outer diameter smaller than the ultra-short type, and the output force is very large, and the objective existence is the designer's first choice when the circumferential (radial) space is strictly limited.
2. It is basically interchangeable with similar foreign products.
3. Generally used independently, the installation is very simple, and it can also be connected to the system (additional base is required).
4. The working stroke is generally not more than 50mm, and the performance in all aspects is no less than the BKB-ISO standard type.

Elastic pressure N	Working cylinder diameter (mm)	Piston cylinder diameter (mm)	Base length(mm)	Range of travel(mm)	Working cylinder diameter(mm)	Piston cylinder diameter(mm)	Base length(mm)	Range of travel(mm)
450								
750								
1700								
2500	32	15	30	10-100				
5000	38	20	30	10-125	25	15-20	45	6-50
7500	45	25	32	10-125	32	20-25	45	6-50
10000	50	30	38	16-125	38	20-30	70	6-50
15000	63	36	44	16-125	50	30-40	50-70	6-50
24000	75	45	45	16-125				
30000	88	50	55	16-125	63	45-52	55	10-50
42000	95	60	58	16-125				
50000	113	65	65	16-125	75	50-63	50-90	10-50
66000	120	75	68	16-125				
75000	140	80	75	16-125	95	60-80	60-105	10-50
120000					120	75-100	70-110	10-50

Total length L= base length +2X travel S
Lmin= base length + stroke S

Total length L= base length +3X travel S
Lmin= base length + 2X stroke S

Interchangeable brands:

Kaller——X\GX

Dadco——U

Hyson——T3\T3T

Misumi——GSV

Interchangeable brands:

Kaller——CU4

DADCO---SC

Hyson——T2SC

Quiri——RGC