

MOUNTING PARTS FOR SEMI HERMETIC COMPRESSORS

Flexible mounting should be used in order to minimize vibration and start/stop impulses. For this purpose coloured springs are delivered with each compressor. These springs should be mounted according to the table next page.

A compressor may be rigidly mounted, ie, without springs. In this case more shock and vibration loading will be transmitted to the frame.

The compressor should be installed horizontally on both axes to ensure proper lubrication of moving parts.

The following information should be used as a guide in the application and installation of the mounting assemblies.

1 Original delivery mounting parts (Springs)

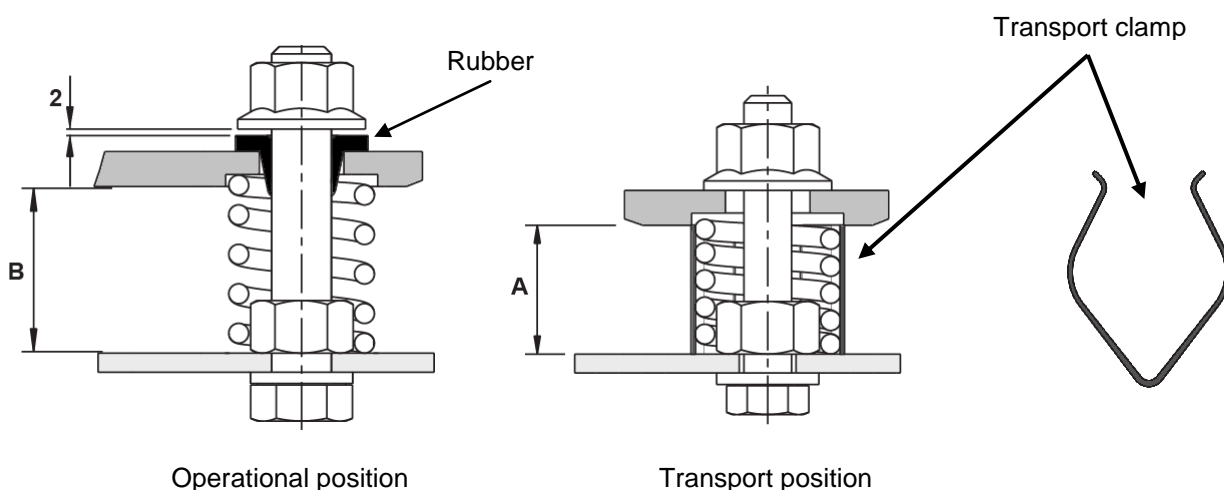
Each compressor is delivered with four coloured mounting springs.

- Compressors: the mounting part kit is delivered in the compressor box.
- Condensing units: the springs are factory-installed between the feet and the condensing unit base-plate; they are clamped to avoid damage during transport.

During transportation of units/systems: compressors must be rigidly secured to the base by the mounting components.

During operation: the top mounting nut must be loosened to allow floating on spring.

It is necessary to adjust vibration dampers to operating position (value A and B as shown in the table next page) before starting up the compressor or condensing unit.



Due to differences in weight (cylinder/motor side) on some models different springs have to be used on both sides. Springs have different colours for easier identification (see table next page).

Compressor		Size	Size	Spring colour	
		A (mm)	B (mm)	Motor end	Compressor end
DKM	50/5X	22	25		2 x Maroon
DKM, DKJ	75/7X				
DKM, DKJ, DKSJ	100/10X			2 x Maroon	2 x Green
DKL, DKSL	150/15X				
DKL, DKSL	200/20X				
DLE, DLF, DLJ	201/20X	30	35	2 x Blue	2 x Blue
DLF, DLJ, DLL	301/30X				
DLL, DLSG	401/40X				
DLHA	500/50X				
D2SA	450/45X				
D2SA, D2SC	550/550				
D2SC, D2SK	650/65X				
D2DL	400/40X				
D2DB, D2DC, D2DD	500/50X				
D3DA, D9RA	750/75X				
D2DB, D2DL, D3DA, D3DC, D3SA, D3SC, D9RA, D9RC	760				
D9TK, D9TL, D9TH	1010				
D9TH	1000/100X				
D3DC, D3DS, D9RC, D9RS, D3SC, D3SS	1000/100X				
D4SA, D4SF, D4DA, D4DF	1500/150X			34	44
D3SS, D3DS, D9RS	2000/200X				
D4SL, D4SH, D4DH, D4DL	1500/150X				
D4SA, D4DA	2000/200X				
D6TA	1500/150X				
D4ST, D4SJ, D4DJ, D6TH	2000/200X				
D6SF, D6SA, D6SH, D6DH,	2200/220X				
D4DT	2500/250X				
D4SH, D4DH, D6SL	2700/270X				
D6DL	3000/300X				
D4SJ, D4DJ	3500/250X				
D6SH, D6DH	2500/250X	48	44	2 x Blue	2 x Red
D6TJ	3000/300X				
D6SJ, D6ST, D6DJ, D6DT	4000/400X				
D6SJ, D6DJ	4000/400X				
D6SU	4000/400X				
D6SK	4000/400X				
D6SK	5000/500X				
D8SH, D8DL	3700/370X				
D8SH, D8DH	4000/400X				
D8SJ, D8DT	4500/450X				
D8SJ, D8SH, D8DH, D8DJ	5000/500X				
D8SJ, D8DJ	6000/600X				
D8SK		34	44	2 x Silver	2 x Black
4M, 6M					
4MTL					
				2 x Violet	2 x Orange
				2 x Yellow	2 x Yellow

Compressors with 2 footprint possibilities:

1.1 D6SK 50 HP

D6SK-5000 & D6SK-500X compressors can be used for the replacement of D8SH compressors.

The mounting springs shown in the table above are made to fit an 8-cylinder footprint which is standard on these compressors.

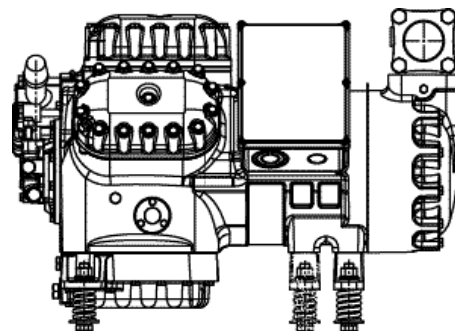
As an option the D6SK-500X & D6SK-5000 can be ordered with 2 x brown mounting springs (motor end) and 2 x black mounting springs (cylinder end) to fit a 6-cylinder footprint.

1.2 D6SK 40 HP, D6SU 40 HP

D6SK-400X, D6SU-400X & D6SU-4000 can be used for the replacement of 8-cylinder compressors.

The mounting springs shown in the table above are made to fit a 6-cylinder footprint which is standard on these compressors.

As an option the D6SK-400X, D6SU-400X & D6SU-4000 can be ordered with 2 x silver mounting springs (motor end) and 2 x brown mounting springs (cylinder end) to fit an 8-cylinder footprint.

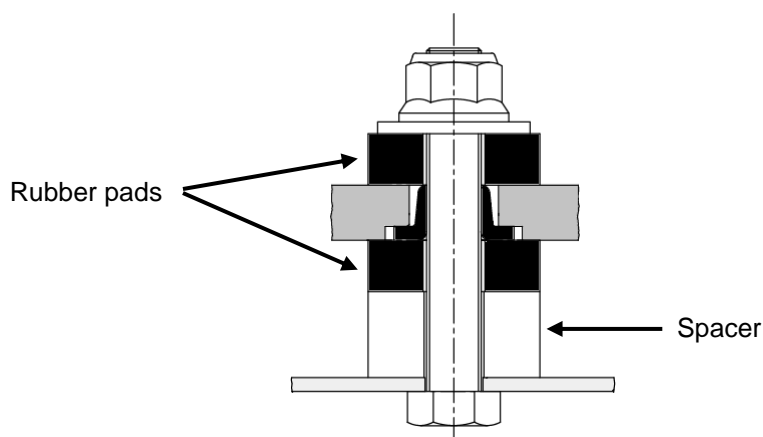


2 Mounting parts for Tandem / Parallel operation

TWIN compressors are fitted to U mounting rails using rubber pads.

Rubber mounting parts can be delivered as a variation instead of the spring mounting parts, or as a separate kit.

Unevenness in the mounting surface will have to be taken by the rack and/or the compressor bottom plate/feet. Excessive unevenness can result in too high mechanical stress to the system and could damage the compressor or rack. Therefore, the flatness of the mounting location is essential. In addition, both vibration/shock and mechanical stress to compressor can be avoided by using rubber mounting parts.



NOTE: For rigid mounting on rack with rubber mounting parts, the nuts should be tightened to the rubber surface without rubber deformation to keep efficient operation of the rubber. The maximum applicable torque without rubber deformation is 50Nm.

If the installation requires a very high level of vibration absorption, additional vibration absorbers – available on the market – can be fitted between the rails and the foundation.