



DISC SPRING ASSEMBLIES

Sneha make disc springs are conically formed angular discs, which are loaded in the axial direction. These are used in single or in stacks to achieve a desired load and travel. The function of a disc spring is to generate a high force in a short spring length with minimum movement when compressed.

Characteristics of disc spring are given below:

The spring characteristic can be engineered to a large extent by means of changing the disc spring properties.

Using disc springs in series, spring deflection increases, without materially affecting the forces involved.

They can be combined into groups of serial and parallel order in the same stack for special applications.

Disc springs show a symmetrical build-up of forces around the rotating axis, with this symmetry being maintained throughout the lines of the spring equally.

Disc springs are designed based on the standardized calculation of DIN 2092 and manufactured in accordance with DIN 2093

ADVANTAGES OF SNEHA MAKE DISC SPRINGS:

- High load capacity with small deflection
- Efficient use of space.
- Consistent performance under design loads
- Longer fatigue life
- Self Damping
- Flexibility in stack arrangement to meet customer's application requirements

Disc spring Assemblies are widely used to clamp boiler shells, condenser support etc.

