GLOSSARY

SOLID HEIGHT - The Height of a compression spring when under maximum load to bring all coils into contact with adjacent coils.

FREE HEIGHT - The over all Height of a compression spring in the unloaded position.

OPERATION HEIGHT - Length of a compression spring when under the operation load.

MAXIMUM DEFLECTION - Total travel of a compression spring from Free Height to Solid Height.

STATIC DEFLECTION - Total travel of a compression spring from Free Height to Operating Height.

RATED DEFLECTION - Total travel of a compression spring from Free Height to Operating Height under rated load. Allowing a 50% overload capacity.

MAXIMUM LOAD - Load needed to achieve Solid Height.

MINIMUM lOAD - Load needed to achieve a 0.8 OH/OD ratio.

RATED LOAD - The maximum operating load allowing for a 50% overload capacity.

SPRING RATE - Change in load per unit deflection, generally given in pounds per inch.

OH/OD RATIO - A ratio of the Operating Height divided by the Outside Diameter. With a ratio of .70 or greater, lateral stiffness is achieved.

LATERAL STIFFNESS - When lateral Stiffness is achieved, there is no fear of a compression spring laying on its side.