Fits Between Mating Parts.





Upper Deviation: the difference between the maximum limit of size and the basic size

Lower Deviation: the difference between the minimum limit of size and the basic size.

Tolerance: the difference between the maximum and minimum size limits on a part.

Terminology	Example	Explanation
Basic size	1.500	
Basic size with tolerance added	1.500 ± .004	Half of total tolerance
Limits of size	1.504	Largest permitted size
	1.496	Smallest permitted size
Tolerance	.008	Difference between limits of size