

STANDARD PLUG AND RING GAGE CLASSES FOR PRODUCT TOLERANCES

The chart of Product Tolerances for plain plug and ring gages may be used as a guide for recommended gage tolerance. This assumes a given product tolerance. Wear allowance and other similar concerns should be included when gage specifications are being defined. These are left for the user to determine. Plain plug gages normally use a plus tolerance to be considered "go" and a minus tolerance constitutes a "nogo" status. Ring gages normally use a minus tolerance to be considered "go" and a plus tolerance for "nogo". These descriptions are fitting with normal practice that allows 10% of the product tolerance to be equally divided between "go" and "nogo" conditions.

Product Tolerances	Class of Gage for Size Range			
	.010-.825	.825-1.510	1.510-2.510	2.510-4.510
.0002	XXX			
.0003	XXX			
.0004	XX	XX		
.0005	XX	XX		
.0006	XX	XX	XX	
.0007	X	XX	XX	
.0008	X	XX	XX	XX
.0009	X	XX	XX	XX
.0010	X	X	XX	XX
.0012	Y	X	XX	XX
.0014	Y	X	X	XX
.0016	Y	Y	X	X
.0018	Z	Y	X	X
.0020		Y	X	X
.0022		Z	Y	X
.0024			Y	X
.0026			Y	Y
.0028			Y	Y
.0030			Z	X
.0032				Y
.0034				Y
.0036				Z

