

# GEOMETRIC DIMENSIONING SYMBOLS

SYMBOL	ANSI Y14.5	ISO
STRAIGHTNESS		
FLATNESS		
CIRCULARITY		
CYLINDRICITY		
PROFILE OF A LINE		
PROFILE OF A SURFACE		
ALL AROUND-PROFILE		NONE
ANGULARITY		
PERPENDICULARITY		
PARALLELISM		
POSITION		
CONCENTRICITY/COAXIALITY		
SYMMETRY	NONE	
CIRCULAR RUNOUT		
TOTAL RUNOUT		
AT MAXIMUM MATERIAL CONDITION		
ENVELOPE PRINCIPLE	NONE	
AT LEAST MATERIAL CONDITION		NONE
REGARDLESS OF FEATURE SIZE		NONE
PROJECTED TOLERANCE ZONE		
DIAMETER		
BASIC DIMENSION		
AUXILIARY DIMENSION		
DATUM FEATURE		
DATUM TARGET		
TARGET POINT		
DIMENSION ORIGIN		
FEATURE CONTROL SYMBOL		
TAPER		
SLOPE		
COUNTERBORE SPOT-FACE		NONE
COUNTERSINK COUNTERDRILL		NONE
DEPTH/DEEP		NONE
SQUARE (SHAPE)		
DIMENSION NOT TO SCALE		
NUMBER OF TIMES/PLACES		
ARC LENGTH		
RADIUS		
SPHERICAL RADIUS		
SPHERICAL DIAMETER		

\*MAY BE FILLED IN