







































Geometric characteristic symbols		
Code	Represents	Displays this symbol
%FL	Flatness	
%SR	Straightness	
%CI	Circularity	
%CY	Cylindricity	
%PP	Perpendicularity	
%AN	Angularity	
%PR	Parallelism	
%PS	Profile of a Surface	
%PL	Profile of a Line	
%CR	Circular Runout	
%TR	Total Runout	
%PO	Position	
%CO	Concentricity	
%SY	Symmetry	
%VB	Frame	


Material condition symbols		
Code	Represents	Displays this symbol
%MC	Maximum	
%LC	Least	
%SC	Regardless of Feature Size	
%RC	Reciprocity Condition	

Tolerance zone symbols

Code	Represents	Displays this
%PZ	Projected	
%TZ	Tangent Plane	
%FZ	Free State	
%ER	Envelope Requirement	
%UD	Profile Unequally Disposed	

Other symbols			
Code	Represents	Displays this	
%DI	Diameter		
%DG	Degree		
%BT	Between		
%ST	Statistical Tolerance		
%SQ	Square		
%CB	Counterbore		
%CS	Countersink		
%DP	Depth		
%IL	Initial Length		
%AL	Arc Length		
%PM	Plus Minus		
%TA	Taper Angle		
%SG	Symmetric Taper Angle		
%Gd	Material Thickness		
Note:			
The second letter is lowercase.			

Hole references

Code	Represents	Fetches this hole data
%HC	Hole Callout	For example, displays hole diameter and depth symbols plus extracted values: 
%HS	Hole Size	<Hole Size Value>
%HD	Hole Depth	<Hole Depth Value>
%BS	Counterbore Size	<Counterbore Size Value>
%BD	Counterbore Depth	<Counterbore Depth Value>
%SS	Countersink Size	<Countersink Size Value>
%SA	Countersink Angle	<Countersink Angle Value>
%TS	Thread Size	<Thread Size Value>
%TD	Thread Depth	<Thread Depth Value>
%RT	Carriage Return	Inserts a new line.
%TN	Terminal Name	<Terminal name>
%DN	Device Name	<Device name>

Smart depth symbols

Code	Represents	Fetches this hole data
%ZH	Smart Hole Depth	<Smart Hole Value>
%ZT	Smart Thread Depth	<Smart Thread Depth Value>

Bend symbols

Code	Represents	Fetches this bend data
%BA	Bend Angle	<Bend Angle Value>
%BN	Bend Angle Unsigned	<Bend Angle Unsigned Value>
%BR	Bend Radius	<Bend Radius Value>
%BO	Bend Direction	<Bend Direction Value>
%BI	Bend Sequence	<Bend Sequence Number>
%BQ	Bend Quantity	<Number of Bends>