

# GD&T MATRIX

FORM	PROFILE	ORIENTATION	RUNOUT	POSITION
1 FEATURE	1OR2		2 RELATED FEATURES	
 <b>STRAIGHTNESS</b> (SURFACE/SIZE) □ 1/2/7 6.4.1	 <b>LINE PROFILE</b> (SURFACE) □ 4/5/6 6.5.2(B)	 <b>PARALLELISM</b> (SURFACE/SIZE) □ 2/3/4 6.6.3	 <b>CIRCULAR RUNOUT</b> (SURFACE/SIZE) □ 6.7.1.2.1	 <b>TRUE POSITION</b> (SURFACE/SIZE) □ 2/4/7 5.2
 <b>FLATNESS</b> (SURFACE) □ 6.4.2	 <b>SURFACE PROFILE</b> (SURFACE) □ 3/4/5/6 6.5.2(A)	 <b>ANGULARITY</b> (SURFACE/SIZE) □ 2/3/4 6.6.2	 <b>TOTAL RUNOUT</b> (SURFACE/SIZE) □ 6.7.1.2.2	 <b>SYMMETRY</b> (SURFACE/SIZE) □ 5.13
 <b>CIRCULARITY</b> (SURFACE) □ 6.4.3		 <b>PERPENDICULARITY</b> (SURFACE/SIZE) □ 2/3/4/7 6.6.4		 <b>CONCENTRICITY</b> (SURFACE/SIZE) □ 5.12
 <b>CYLINDRICITY</b> (SURFACE) □ 6.4.4	1 MAY AFFECT WORST CASE BOUNDARY (WCB) WHEN APPLIED TO A FEATURE OF SIZE (FOS) 2 MAY BE AFFECTED BY A BONUS TOLERANCE (BT) WHEN THE 'M' MODIFIER IS USED 3 MAY USE THE 'T' MODIFIER WHEN APPLIED TO A SURFACE 4 MAY BE AFFECTED BY SHIFT TOLERANCE (ST) WHEN A DATUM FOS REFERENCES THE 'M' MODIFIER 5 MAY BE USED FOR FORM CONTROL WITHOUT A DATUM REFERENCE 6 MAY USE THE 'M' OR 'L' MODIFIER ONLY FOR DATUM REFERENCE 7 MAY USE A ZONE FORM MODIFIER FOR AXIS OR MEDIAN PLANE CONTROL OF FOS			

- Ⓜ MAXIMUM MATERIAL CONDITION
- Ⓛ LEAST MATERIAL CONDITION
- Ⓟ PROJECTED TOLERANCE ZONE
- ⓕ FREE STATE
- Ⓣ TANGENT PLANE

## FEATURE CONTROL FRAME

