

Some typically used conventions

∅ Diameter

R Radius

⌒ Centre Line

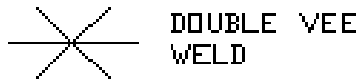
± Plus or Minus

Geometrical Tolerances

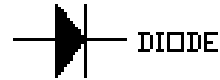
Symbol	Characteristic	Type
⊕	Position	Location
◎	Concentricity or coaxiality	Location
≡	Symmetry	Location
//	Parallelism	Orientation
⊥	Perpendicularity	Orientation
∠	Angularity	Orientation
⌀	Cylindricity	Form
▱	Flatness	Form
○	Circularity or roundness	Form
—	Straightness	Form
⌒	Profile of a surface	Profile
⌒	Profile of a line	Profile
↗	Circular runout	Runout
↗↗	Total runout	Runout

Symbols

WELDING



ELECTRICAL



PROCESS

