

Technical drawing of a shaft assembly showing a front view and a right view.

**Front View Dimensions and Features:**

- Overall length: 5
- Section 1: Length  $M \times 1.5$ , diameter  $D1$ , surface finish  $1.6$ .
- Section 2: Length  $L3$ , diameter  $M$ , surface finish  $1.6$ .
- Section 3: Length  $L2 \pm 0.1$ , diameter  $M$ , surface finish  $1.6$ .
- Section 4: Length  $L1$ , diameter  $D2$  ( $0 -0.2$ ), surface finish  $1.6$ .
- Section 5: Length  $M1 \times 1.5$ , diameter  $D g6$ , surface finish  $1.6$ .

**Right View Dimensions and Features:**

- Overall length: 5
- Section 1: Length  $M \times 1.5$ , diameter  $D1$ , surface finish  $1.6$ .
- Section 2: Length  $L3$ , diameter  $M$ , surface finish  $1.6$ .
- Section 3: Length  $L2 \pm 0.1$ , diameter  $M$ , surface finish  $1.6$ .
- Section 4: Length  $L1$ , diameter  $D2$  ( $0 -0.2$ ), surface finish  $1.6$ .
- Section 5: Length  $M1 \times 1.5$ , diameter  $D g6$ , surface finish  $1.6$ .

**Tolerances and Surface Finish:**

- Surface finish:  $1.6$  (Ra) for most surfaces.
- Dimensional tolerances:  $\pm 0.1$  for  $L2$ ,  $0 -0.2$  for  $D2$ .
- Geometric tolerances:  $0.02$  A for circular runout and position.

**Right view Scale: 2:1**

