

Technical drawing of a mechanical part. The drawing includes a cross-section view on the left and a top view on the right. The cross-section shows a profile with dimensions 30, 3, 0.2, and 0.4. The top view shows a rectangular plate with dimensions 80 and 17, and a grid of 4x2 holes. A detail view shows a hole with diameter 4 ± 0.1 and a tolerance of 0.4.

Figure 1 illustrates a Datum Feature Simulator (DFS) for a part. The part is shown in a 3D perspective view, highlighting three datum planes:

- First datum plane** (Center plane of datum feature simulator A)
- Second datum plane** (Center plane of datum feature simulator B)
- Third datum plane** (Center plane of datum feature simulator C)

Technical drawing of a square flange with four mounting holes. The drawing includes dimensions: 75x75 mm overall size, 4x R12 fillets, 8x R10 fillets, 4x 8 mm holes, and 2x 8.0-8.1 mm holes. It also shows surface texture symbols (Ra 0.5, Ra 0.3, Ra 0.05) and a 20 ± 0.12 mm dimension.