

Unit: mm

160

43.5

3.5

30

70

4

a

b

c

d

e

f

g

13

16

Technical drawing of a shaft-hub assembly. The shaft has a diameter labeled D_1 . The hub has a length labeled L . The assembly is shown in a cross-sectional view with a conical fit.

D1	L1
Ø9	<8
Ø10	<12
Ø11	<15
Ø12	<20
Ø13-300	<30

D2	L2
Ø18	<30
Ø19	<40
Ø20	<45
Ø21	<55
Ø22	<60
Ø23~300	<70

- | Code | Range of upper jaw | Range of lower jaw | Accuracy | L | a | b |
|----------|--------------------|--------------------|----------|-------|-------|-------|
| 1199-150 | 9-150mm | 18-150mm | ±0.04mm | 248mm | 1.6mm | 2.5mm |
| 1199-200 | 9-200mm | 18-200mm | ±0.05mm | 298mm | 1.8mm | 2.8mm |
| 1199-300 | 9-300mm | 18-300mm | ±0.06mm | 398mm | 2.0mm | 3.0mm |