

Crank pin precision spirit level
Item No. 4320/060 – 4322/120

Manufacturer:
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Product:

Crank pin spirit level according to DIN 877. Stable version made of high-quality special casting, structurally lacquered. With prismatic longitudinal and transverse prism 150°, for aligning crankshafts and pins to motors and machines etc. or short, horizontal surfaces. The measuring surfaces are finely ground. The device is equipped with ground and split longitudinal vial, transverse vial and full heat protection. The sensitivity of the longitudinal vial is indicated on the type label.

Technical information:

Length	mm	60	90	120
Width / Height	mm	42 / 42	42 / 42	42 / 42
Weight of the water scale	Kg	0.42	0.64	0.86
Item No. 4320	0.30 mm/m	-	X	X
Item No. 4320	0.60 mm/m	X	-	-
Item No. 4321	0.10 mm/m	-	X	X
Item No. 4321	0.20 mm/m	X	-	-
Item No. 4322	0.04 mm/m	-	X	X

(X = available)

Possible shaft diameter: 115.9 mm (max), 19.3 mm (min)

Special designs optional:

- with flat sole
- with magnets
- with holes for screwing on

Accessories:

Custom, robust plastic case for storage (432x/xxx/KK)

Additional service optional:

Measuring protocol

Working/storage temperature:

For precision mechanical spirit levels, the working temperature is 20°C (+/-5 K) and the storage temperature is -40°C to +70°C.

Tolerances according to DIN 877 depending on the sensitivity at L > 100 mm (L ≤ 100 mm):

0.6 mm/m:	T _{zul} = 120(240) microns/m,	DoE = 0.4 (0.8) Scd
0.3 mm/m:	T _{zul} = 60(120) microns/m,	DoE = 0.4 (0.8) Scd
0.2 mm/m:	T _{zul} = 40(80) microns/m,	DoE = 0.4 (0.8) Scd
0.1 mm/m:	T _{tol} = 20(40) microns/m,	DoE = 0.4 (0.8) Scd
0.04 mm/m:	T _{tol} = 10(10) microns/m,	DoE = 0.5 (0.5) Scd

T_{zul} permissible tolerance, DoE difference value on envelope, Scd scale divisions