



**DOMESTIC TAP OF COPPER ALLOY**

May 1993

This is a true translation of the Hebrew original. In any case of discrepancy between the original Hebrew text and the English translation, the Hebrew version shall prevail.

This Amendment Sheet updates Israel Standard SI 169 of May 1986 and cancels Amendment Sheet 1 of June 1988

**Clause 102. References**

Delete the title of SI 50.2 and replace it with:

Pipe threads where pressure-tight joints are not made on the threads - Designation: dimensions and tolerances

**Clause 105. Marking**

105.2 - Add the following at the end of the Clause:

The marking of the nominal size may be marked on the package of the taps, if each tap is packed separately, or on a label bonded to the tap if the tap is not packed separately.

105.3 - Delete Subclause 105.3.

**Clause 203. Construction and dimensions**

**203.1 - Construction**

Add the following after the first sentence:

The tap body shall have at least one pair of parallel surfaces to allow the wrench to grip and screw the tap to the water piping (see also Note D in Table 1).

Official Standard  
A-150-93-06

UDC:  
621.646.6

Delete Table 1 and footnotes 2, 3 and 4 and replace with the following:

Table 1 - (Dimensions are in millimeters, unless otherwise noted)

Dimension	Description	Nominal dimension	
		15 mm ( $\frac{1}{2}$ " )	20 mm ( $\frac{3}{4}$ " )
A <sub>1</sub> <sup>(A)</sup>	External diameter of the seat	14.2 max.	20.2 max.
A <sub>2</sub> <sup>(A)</sup>	Seat width	2.0 <sup>+0.5</sup> <sub>-0</sub>	2.0 <sup>+0.5</sup> <sub>-0</sub>
A <sub>3</sub> <sup>(A)</sup>	Height of the protrusion of the seat	1.2 min.	1.2 min.
B <sup>(A)</sup>	Head thread	$\frac{1}{2}$ " in accordance with SI 50.2, internal cylindrical thread	$\frac{3}{4}$ " in accordance with SI 50.2, internal cylindrical thread
D <sub>1</sub>	Inlet thread	$\frac{1}{2}$ " in accordance with SI 50.2, external cylindrical thread, tolerance level B	$\frac{3}{4}$ " in accordance with SI 50.2, external cylindrical thread, tolerance level B
D <sub>2</sub>	Outlet thread of a Class 104.2.2 tap	$\frac{3}{4}$ " in accordance with SI 50.2, external cylindrical thread, tolerance level B	1" in accordance with SI 50.2, external cylindrical thread, tolerance level B
D <sub>3</sub>	Outlet recess diameter of a Class 104.2.2 tap	15.0 min.	21.0 min.
H	Hexagonal height for a wrench grip	5.0 min.	7.0 min.
K <sup>(A)</sup>	Distance of sealing seat face from the body edge	22.0 - 23.5	25.0 - 26.5
M <sub>1</sub> <sup>(A)</sup>	Length of thread in tap body intended for the connection of the head	- contoured at end of thread: 7.0 min. - not contoured at end of thread: 10.0 min.	- contoured at end of thread: 7.0 min. - not contoured at end of thread: 10.0 min.
M <sub>2</sub>	Length of inlet thread	at least 5 full threads	at least 5 full threads
M <sub>3</sub>	Length of outlet thread of a Class 104.2.2 tap	at least 3 full threads	at least 3 full threads
t <sub>1</sub>	Wall thickness of the body in unthreaded locations: - in pressure castings and metal mold castings - in castings made by other methods	1.7 min. <sup>(B)</sup> 1.8 min.	1.8 min. <sup>(B)</sup> 2.0 min.
t <sub>2</sub>	Wall thickness at the thread root: - in pressure castings and metal mold castings - in castings made by other methods	1.5 min. 1.8 min	1.5 min. 2.0 min
G	Outlet recess depth of a Class 104.2.2 tap	3.5 min.	3.5 min.
L <sup>(C)</sup>	Length	Measurement method A	40 min.
		Measurement method B	50 min.
W <sup>(D)</sup>	Opening between surfaces intended for a wrench grip	21.0 min.	26.0 min.

**Notes to the Table:**

- (A) These dimensions are not applicable to a tap with a ball mechanism (Class 104.1.3).
- (B) A minimum wall thickness less than 0.2 mm from that given in the Table is permitted, after machining, at individual points.
- (C) This dimension may be measured by two methods:
  - A - In accordance with Fig. 1, where the axis of the tap head is perpendicular to the inlet axis;
  - B - From the end of the stem head of the tap head in accordance with SI 790 (after installing on a tap in the house), where the axis of the tap head is at an angle to the inlet axis.
- (D) A ½" tap may have a 27 mm min. diameter annular protrusion in place of the surfaces for the wrench grip.

**Clause 204. Threads**

Delete the text and replace it with the following:

All the threads in the tap body shall be cylindrical threads in accordance with Israel Standard SI 50.2.

**Clause 301. Tests of a Class 104.1.1 and Class 1041.2 tap**

**301.5 - Water dispersion**

Add at the beginning of the Clause as follows:

Conduct this test only on Class 104.2.1 taps.

Test the tap as it was sold by the manufacturer.