

AS 4627:2017
Quick-connect devices for gas
Amendment No. 3
Revised text amendment

Publishing and Approval Dates

Council of Standards Australia Approval: 5 February 2024

Published: 8 March 2024

Summary

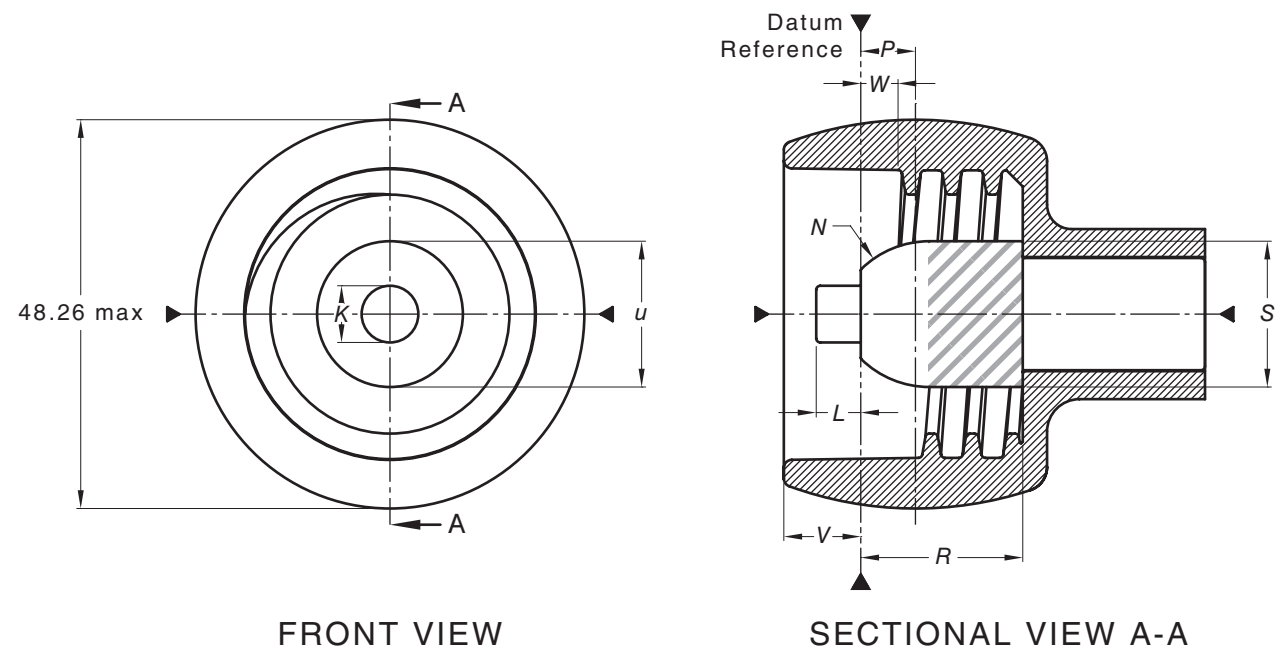
This Amendment applies to the following elements:

- Global change
- Figure A5(B)

Amendment Details

AS 4627:2017 is amended as follows. The amendments should be inserted in the locations as instructed.

Element	Instruction/New text
Global change	<i>Delete</i> all instances of “AS/NZS 1869” and <i>replace</i> with “AS 1869”.
Fig A5(B)	<i>Delete</i> figure and <i>replace</i> with the following:



APPLIANCE CONNECTION			
Thread	1 ⁵ / ₁₆ " 5 TPI ACME 2G RH Female		
Minor diameter		28.956	to 29.464
Pitch diameter		31.496	to 32.007
Major diameter		34.544	to 35.052
Shaft length	*R	18.640	to 19.740
Probe length	*L	3.810	to 7.870
Start of thread	*W	4.040	to 5.210
Depth to shoulder	*V	2.290	to 16.000
(V plus W)			
Probe diameter	*K	6.780	to 6.990
Nose radius	*N	19.000	to 19.500
Nose radius start	*P	11.500	to 12.000
Nose diameter	u	16.920	to 19.180
Diameter after nose radius start	S	Maximum 20.45	

All dimensions are in millimetres

- NOTES:
1. The dimensions marked with an asterisk are not to be used as design dimensions for the manufacture of this connection. These dimensions are composite or envelop dimensions as a result of the actual design dimensions. The actual design dimensions for this connection shall be determined by the individual manufacturer and be within the envelope dimensions listed for this connection.
 2. Acme thread shall be continuous and have a blunt start.
 3. The face of the valve shall be in contact with the inside face of couple nut when connection is fully made.
 4. External surface of nut shall provide sufficient grip for hand tightening.
 5. The outlet of this connector shall be of a suitable design for the intended use and the connection type shall be compliant with AS 3688 or AS 1869.
 6. Dimension P nose radius start defines the centre line for dimension N nose radius, to provide consistency with AS 2473.2 Type 21.

Figure A5(B) — Type 27 quick-connector nipple/coupling