

AS/NZS 4087:2011 Metallic flanges for waterworks purposes

Amendment No. 2

Revised text amendment

Publishing and Approval Dates

Council of Standards Australia Approval: 25 May 2023

Published: 16 June 2023

Summary

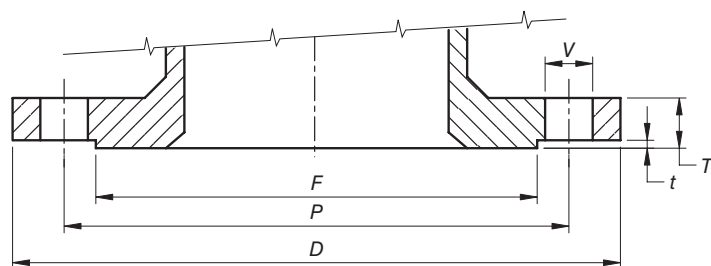
This Amendment applies to the following elements:

- Global change
- Preface
- Clause 1.5.3
- Figure B9

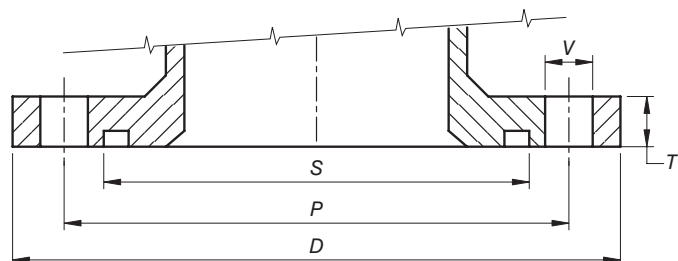
Amendment details

AS/NZS 4087:2011 is amended as follows. The amendments should be inserted in the locations as instructed.

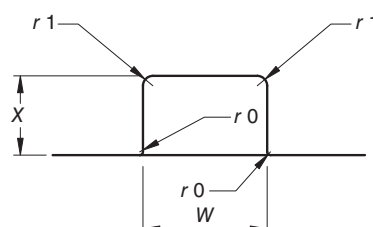
Element	Instruction/New text
Global change	<i>Delete</i> "AS/NZS 4087" and <i>replace</i> with "AS 4087" in all instances.
Preface	After first paragraph, <i>add</i> the following: Amendment No. 2 to this document was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee WS-022, Valves for Water Supply Purposes. As a consequence of Amendment No. 2, which is published as an Australian-only amendment, this document will be redesignated from AS/NZS 4087 to AS 4087.
Cl 1.5.3	<i>Delete</i> paragraph before Table 1.1 and <i>replace</i> with the following: Flanges shall be manufactured with a flat face, with or without an O-ring groove, or raised face, as given in Table 1.1. A flat-face O-ring groove flange shall only be mated with a flat-face flange.
Fig B9	<i>Delete</i> figure and <i>replace</i> with the following:



(a) Raised-face flanges



(b) Flat-face and O-ring flanges



$$\begin{aligned} X &= 6.0 \pm 0.2 \\ W &= 15.0 \pm 0.5 \\ r0 &= 0.5 \pm 0.1 \\ r1 &= 1.00 \pm 0.2 \end{aligned}$$

(c) O-ring groove detail

Height of raised face	
Nominal size DN	Dimension (t) mm
≤ 250	3
> 250 ≤ 500	4
> 500	5

DN	Outside diameter		Diameter of raised face (F) mm	Bolting details				Thickness of flange (T) mm
	Flange (D) mm	O-ring groove (S) mm		Pitch circle diameter (P) mm	Number of holes (N)	Diameter of holes (V) mm	Fastener size and thread	
50	165	—	103	127	4	18	M16	19
65	185	—	122	146	8	18	M16	19
80	205	—	141	165	8	18	M16	24
100	230	—	167	191	8	18	M16	24
150	305	—	232	260	12	22	M20	31
200	370	—	296	324	12	22	M20	31
225	405	—	324	356	12	26	M24	38
250	430	—	349	381	12	26	M24	38
300	490	400	406	438	16	26	M24	38
350	550	455	459	495	16	30	M27	48
375	580	480	485	521	16	30	M27	48
400	610	510	516	552	20	30	M27	48
450	675	565	571	610	20	33	M30	58