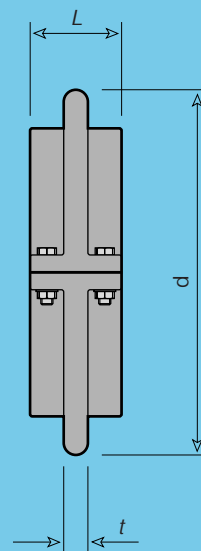


Nominal Size <i>DN</i>	Dimensions			Ultimate Shear Force* <i>kN</i>
	<i>d</i>	<i>t</i>	<i>L</i>	
80	205	25	110	90
100	230	25	110	116
150	305	27	110	171
200	370	31	110	226
225	405	34	110	253
250	430	34	110	280
300	483	32	120	481
375	578	32	120	891
450	667	35	120	1061
500	730	38	140	1172
600	851	41	140	1397
750	1020	40	155	2881

* The ultimate shear force is a theoretical value which assumes the mode of failure to be caused by shear of the circumferential pipe wall groove. The flange is assumed to remain bolted together and the shear area is calculated over a 45° circumferential plane with its root at the base of the pipe groove. Mating dimensions from AS/NZ 2280 are adopted.

Puddle Flanges



Normal Application

To provide a water barrier when a pipe passes through a concrete wall of a water retaining structure.

To act as a thrust flange when enclosed within a concrete wall, for example, a valve pit.

Note It is recommended that puddle flanges are factory fitted onto pipes. AS/NZS 2280 calls for a machine groove to be cut into the outside surface of the pipe and the puddle flange machined accordingly to provide a nominal interference fit. An epoxy resin is utilised to prevent seepage along the outside surface of the pipe.