

## Permissible deviation for the lengths of fittings

### Permissible deviations for fittings' lengths

As given in the international standards ISO 2531:2009 & EN545:2010, the permissible deviation for the length of fittings is shown in the following table:

Permissible deviation on length of fittings		
Dimensions in millimeters		
Type of fitting	DN	Deviation
Flanged Sockets	40 to 1200	±25
	1400 to 2600	±35
Flanged Spigots	40 to 1200	±25
	1400 to 2600	±35
Collars, Reducers	40 to 1200	±25
	1400 to 2600	±35
Tees	40 to 1200	+50/-25
	1400 to 2600	+75/-35
Bends 90°	40 to 2600	±(15+0.03) DN
Bends 45°	40 to 2600	±(15+0.025) DN
Bends 11¼° and 22½°	40 to 1200	±(15+0.02) DN
	1400 to 2600	±(15+0.025) DN

### Tolerances for lengths:

As per given in the international standards ISO2531:2009 & EN545:2010 the tolerances for the lengths of pipes & fittings are given in the following table

Tolerance on length	
Dimensions in millimeters	
Type of Casting	Tolerance
Socket & spigot pipes	-30 / +70
Fittings for socketed joints	±20
Pipes & fittings for flanged joints	±10*

\*By agreement between manufacturer & purchaser, smaller tolerances are possible, but not less than ± 3 mm for DN ≤ 600 and ± 4 mm for DN ≥ 600 as specified in ISO 2531 & EN 545