Ahmed Al Fahdi

The gauging plate diameter shall be determined from the formula:

d = ID - 0.01 D - 2b or d = 0.95 x ID, whichever is smaller,

where:	d	=	gauging plate diameter	mm
	D	=	nominal outside diameter	mm
	ID	=	minimum internal diameter taking due account of any thick wall pipe section and internal diameter of fittings	mm
	b	=	clearance of 5	mm

$D := 16\ \text{in} = 406.4\ \text{mm}$ $t := 10.5\ \text{mm}$

$ID := D - 2 \cdot t = 385.4\ \text{mm}$ $b := 5\ \text{mm}$

$d_1 := ID - 0.01 \cdot D - 2 \cdot b = 371.336\ \text{mm}$

$d_2 := 0.95 \cdot ID = 366.13\ \text{mm}$

$d_1 > d_2 = 1$