

Tables 5, 6a and 6b (represented below) detail the allowable values of the properties of flatness for differing categories.

Table 5 — Classification and limiting values of Z_{SLOPE} and E_{SD}

Classification	Top beam level m	Z_{SLOPE} mm per m	E_{SD} mm
DM 1	Over 13	1,3	3,25
DM 2	8 to 13	2,0	3,25
DM 3	Up to 8	2,5	3,25

Table 6a — Limiting values of dZ and d^2Z

Classification	dZ	d^2Z
calculation	$Z \times Z_{SLOPE}$	$dZ \times 0,75$
DM 1	$Z \times 1,3$	$Z \times 1,0$
DM 2	$Z \times 2,0$	$Z \times 1,5$
DM 3	$Z \times 2,5$	$Z \times 1,9$

Table 6b — Limiting values of dX and d^2X

Classification	dX	d^2X
calculation	$2 \times 1,1 \times Z_{SLOPE}$	Fixed values
DM 1	2,9	1,5
DM 2	4,4	2,0
DM 3	5,5	2,5

N.B The values shown in table 6b are based on MHE with a longitudinal dimension of 2000mm, for other dimensions the designer may adjust the values on a linear extrapolation basis

It is not possible to specify and impose these limits for defined movement unless the exact design of the VNA installation is known before construction. The choice of classification to specify is dependent upon the height of the top beam of the racking.

However, the recommendations of the VNA fork lift truck manufacturer should also be sought, as each model is designed to cater for different requirements and is therefore affected differently by surface regularity.