

DIN EN ISO 11145:2016-10 (E)

Optics and photonics - Lasers and laser-related equipment - Vocabulary and symbols (ISO 11145:2016)

Contents		Page
Foreword		3
European foreword		4
Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC on machinery		5
1 Scope		6
2 Symbols and units of measurement		6
3 Terms and definitions		7
3.1 Beam axis.....		8
3.2 Beam cross-sectional area.....		8
3.3 Beam diameter.....		8
3.4 Beam radius.....		9
3.5 Beam widths.....		10
3.11 Beam waist diameters.....		12
3.12 Beam waist radius.....		12
3.13 Beam waist widths.....		12
3.14 Beam waist separation.....		13
3.19 Divergence angles.....		14
Annex A (informative) Explanation of the difference in terminology between IEC 60825-1 and ISO 11145		20
Annex B (informative) List of symbols		21
Annex C (informative) Alphabetical index		22
Bibliography		24