

DIN EN ISO 17829:2025-12 (E)

Solid biofuels - Determination of length and diameter of pellets (ISO 17829:2025)

Contents		Page
Foreword		iv
Introduction		vi
1 Scope		1
2 Normative references		1
3 Terms and definitions		1
4 Principle		2
5 Apparatus		2
6 Sample preparation		4
6.1	General	4
6.2	Preparation requirements for pellet diameter	4
6.3	Preparation requirements for pellet length and pellet length fractions	4
7 Procedure		4
7.1	Determination of the parameters to be analysed	4
7.2	Determination of the pellet diameter class	5
7.3	Measuring the length of an individual pellet	5
7.3.1	General	5
7.3.2	Option A: Measuring the length of an individual pellet with a measuring block (5.2)	5
7.3.3	Option B: Measuring the length of an individual pellet with a calliper	6
7.4	Determination of the number of pellets above a maximum length	6
7.5	Determination of the share of pellets > 40 mm and the length of the longest pellet	6
7.6	Determination of the share of pellets of any other specified length, including pellets < 10 mm	7
7.7	Determination of the average length of pellets	7
8 Calculations		7
8.1	Pellet diameter class	7
8.2	Share of a specified fraction of pellets	7
8.2.1	General	7
8.2.2	Share of fractions including coarse pellet fines	8
8.2.3	Share of pellets > 40 mm	8
8.3	Average pellet length	9
9 Performance characteristics		9
10 Test report		9
Annex A (informative) Devices for the determination of the length of pellets with a diameter of 8 mm or above		11
Annex B (informative) Comparative studies for determination of the pellet length		13
Annex C (informative) Example of a construction plan for a measuring block		15
Bibliography		18