

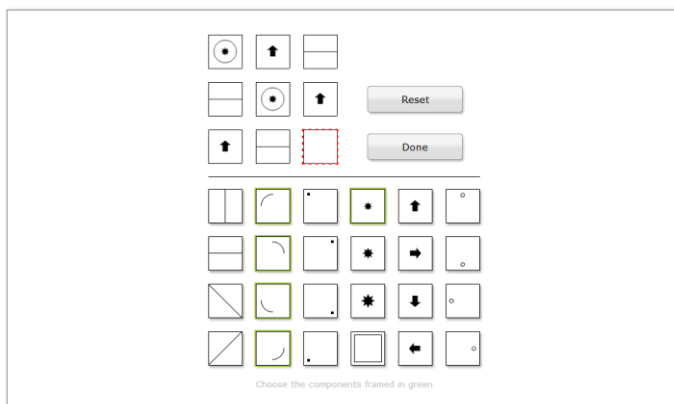
# DESIGMA<sup>®</sup>-A


## Design a Matrix – Advanced

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DESIGMA<sup>®</sup>-A is a figural matrices test which requires test takers to build solutions using separate building blocks. The test measures the ability to recognise and apply patterns or rules in geometric shapes, known as ‘logical reasoning’, ‘geometric reasoning’, or ‘fluid intelligence’. The results from this type of test are used to identify high potential individuals and intellectual giftedness, irrespective of language or culture. It comes with an innovative answer format compared to traditional matrices tests which significantly reduces guessing probability and exclusion strategies.

### Example item



Target group	<ul style="list-style-type: none"> <li>• Students and pupils</li> <li>• Apprentices and graduates</li> <li>• Professionals</li> </ul>
Items	38 items, solutions are built using separate building blocks
Duration	ca. 30 minutes
Psychometric properties	<ul style="list-style-type: none"> <li>• Validity: All correlations are high and significant, indicating that the rank order of factor loadings is highly comparable between the countries (<math>\alpha = .84 - .89</math>). Correlation with IST-Screening test: <math>r = .46 - .64</math></li> <li>• Reliability: high reliability in all samples (Cronbach's alpha .96 or higher)</li> </ul>
Norm groups	<ul style="list-style-type: none"> <li>• N = 903 (European sample, four age groups: &lt; 30, 30–34, 35–39, &gt; 39 years).</li> <li>• N = 439 UK sample</li> </ul>
	English, German, French, Italian and other languages