Engineering Graphics Overview

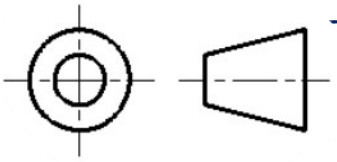
Technical Graphic Standards

Q1 What are technical graphic ‘Standards’?

Q2 What are AS1100 Standards?

Q3 Why are ‘Standards’ relevant?

Q4 Why are symbols extensively used?



Q5 Are the AS1100 standards used when freehand drawing?

Engineering Graphics Overview

Technical Graphics Standards

Q1 What are technical graphic 'Standards'?

Technical graphics are drawn using agreed conventions. From the conventions, specific 'standards' are created. The 'Conventions' are maintained by The International Organisation for Standardisation (ISO) and cover a multitude of topics, not only graphics.

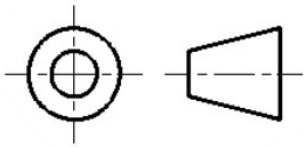
Q2 What are AS1100 Standards?

Many countries develop their own 'Standards' based on the ISO Conventions. Australians use graphics drawn to AS1100 standards. The 'AS' stands for Australian Standards. The 1100 refers to the specific standards related to technical drawing graphics.
AS1100 are the 'rules' that need to be followed when constructing graphics.

Q3 Why are 'Standards' relevant?

Graphics can be described as the universal language. The reason for this is that people from anywhere in the world will be able to interpret technical graphics drawn to ISO convention. This makes graphics the most powerful communication available to engineers.

Q4 Why are symbols extensively used?



As the 'standards' are intended to be easily interpreted regardless of language, symbols are used to replace written notes and words on drawings when feasible.

Q5 Are the AS1100 standards used when freehand drawing?

It may not feasible to apply all AS1100 standards using freehand, but the majority of concepts are always applied. The technical sketch is an early stage in the design process but it needs to convey information clearly. Appling appropriate standards is an import way to communicate with clarity. Accurate CAD graphics are likely to be created further in the design process.