

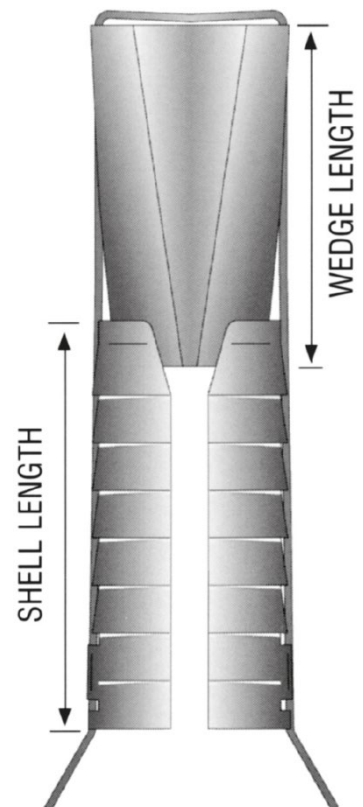
Product Code	Designator	Size	Type
	ASES	20	STD

Physical Properties

Bolt Diameter	Thread Size	Nominal Hole Diameter	Shell Length	Wedge Length	Nett Weight
mm		mm	mm	mm	kg
16	M16	26	54	41	0.12
16	M16	30	54	50	0.15
20	M20	35	83	54	0.24
24	M24	45	83	57	0.60
22.7	U227	45	83	57	0.60

Key Features

- DSI Underground expansion shells hold in any rock strata which is sufficiently competent to provide an adequate anchorage. They are designed to anchor in soft ground or hard rock. In good strata the anchorage exceeds the ultimate strength of the steel bolt. All expansion shells require a competent strata in the anchor zone. The suitability of the anchorage and the specific expansion shell to be used is best determined by physical load testing.
- DSI Underground expansion shells feature parallel contact with the hole wall with sharp serrations on the outside leaves ensure positive holding power.
- The expansion shell assembly is securely held by a strong protective sleeve, to save installation time and prevent loss of parts while handling. The sleeve must be removed prior to installation.
- Corrosion protection may be provided by hot dip galvanizing (AS/NZ4680) or zinc plated to AS1789



Product Accessories Examples

DSI Underground manufactures a comprehensive range of plates specifically designed for this range of Bolts.

	Products			
Product Group	Starplates	Double Ended Bolt	Butteflies	W-Strap
Product Imagery				
Product Code Prefix	STP	DS2	BUTT	MW

Packaging

- All 16mm expansion shells are contained in cardboard boxes then packed on pallets.

Notes

- Only DSI Underground rock bolt components should be used to enable the optimum performance of the bolt system to be obtained
- DSI Underground is Quality Assured to ISO 9001:2015, ISO 14001:2015 and AS-NZS 4801:2001

Phone APP

- Want to know more; our full product range, knowledge centre, and other details are available via the App; available on iOS and Android devices by searching “DSI Underground”.



iOS



Android