WSA1 Shield Anchors

Product overview

The WSA1 shield anchors are torque-controlled pre-installed fixings for medium to heavy loads.

Material
Steel, zinc plated

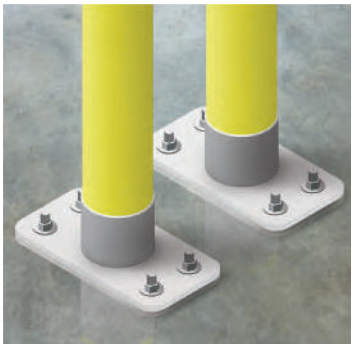


Features and benefits

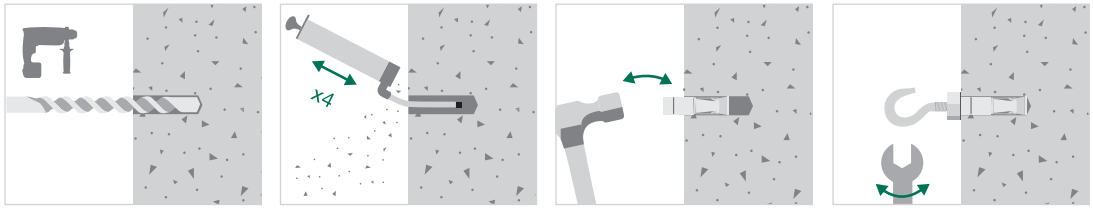
- Three-part expanding sleeve provides optimal load and safety of use in many substrates
- Suitable for use in multiple base materials
- For use with metric threaded rods or bolts

Substrate type

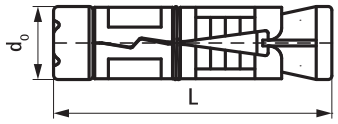
- Concrete
- Natural stone
- Hollow masonry



Installation guide

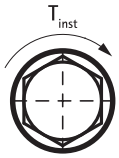


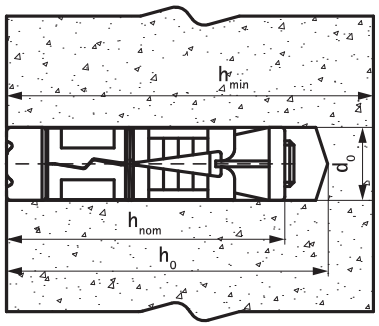
Product information



Part No.	Description	Anchor Size	d_{nom} (mm)	L (mm)	Box qty (pcs)
610 3 608	WSA1 8x50	M8	14	50	100
610 3 610	WSA1 10x60	M10	16	60	100
610 3 612	WSA1 12x75	M12	20	75	50
610 3 616	WSA1 16x115	M16	25	115	25

Installation data





Part No.	Description	d_0 (mm)	$\geq h_0$ (mm)	h_{min} (mm)	h_{nom} (mm)	h_{ef} (mm)	C_{min} (mm)	S_{min} (mm)	$T_{inst,max}$ (Nm)
610 3 608	WSA1 8x50	14	55	100	50	40	60	40	15
610 3 610	WSA1 10x60	16	65	100	60	50	75	50	27
610 3 612	WSA1 12x75	20	85	100	80	60	90	60	50
610 3 616	WSA1 16x115	25	125	142.5	120	95	142.5	95	120