Material	Steel SAE1022 case hardened
Coating	Enduroguard 15 multiple organic
Corrosion Resistance	Kesternich DIN 50018 2-litre 15/15 Salt Spray > 2000 hours
Head Type	Hexagon 8mm (use Fixfast YellowDrive)
Drilling Capacity	1.2mm – 3.6mm S275 steel
Installation Tool	Variable speed electric screwdriver with depth-setting nosepiece
Installation Speed	1500rpm
Penetration	**In steel** of the thicknesses rated, the drillpoint plus three threads should be clear of the far side of the substrate. **In plywood**, the drillpoint plus three threads should be clear of the far side of the substrate. **In softwood**, at least 50mm of the fastener should be embedded in the substrate.
Correct Installation	Fasteners should be driven within three degrees of perpendicular to the surface of the fastened material. Use a depth-setting nosepiece to avoid over-driving, and do not over-tighten. Variants with bonded washers should not have the rubber compressed to less than two-thirds of its uncompressed height. Care should be taken when engaging and disengaging from the fastener head to avoid damage to the protective coating.
Handling	Fasteners may have sharp edges, and the use of power tools can be dangerous. Use personal protective equipment. Do not allow uninstalled fasteners to become wet or store in damp conditions. Do not use damaged fasteners.

Ultimate Strength Values

Tensile Strength	14390N
Shear Strength	10480N

Ultimate Pull-out Values

From standard S275 steel sheet	
1.25mm	3020N
1.6mm	3750N
2.0mm	4180N
3.0mm	7720N
From standard timber options	
18mm plywood	1700N
50mm softwood	5600N
From popular purlins	
Albion Z14613 1.3mm	3600N
Albion Z14620 2.0mm	6180N
Hadley 17612 1.2mm	2900N
Hadley 17613 1.3mm	3170N
Hadley 17614 1.4mm	4120N
Hadley 17618 1.8mm	5980N
Kingspan M205200 2.0mm	6130N

N = Force in Newtons. All values are averaged ultimate failure values. Other figures are available on request. For more information please contact OSC.

Dimensions

Fastener	**Nominal Length**	**Thread Length**	**Build-up**	**Length Tolerance**
DS-HEX-5.5 x 25	25mm	Full length	0 – 6mm	0.75mm
DS-HEX-5.5 x 35	35mm	Full length	0 – 14mm	1mm
DS-HEX-5.5 x 45	45mm	Full length	0 – 28mm	1mm
DS-HEX-5.5 x 55	55mm	Full length	0 – 38mm	1mm
DS-HEX-5.5 x 75	75mm	50mm	18 – 58mm	1mm
DS-HEX-5.5 x 100	100mm	50mm	42 – 83mm	1mm