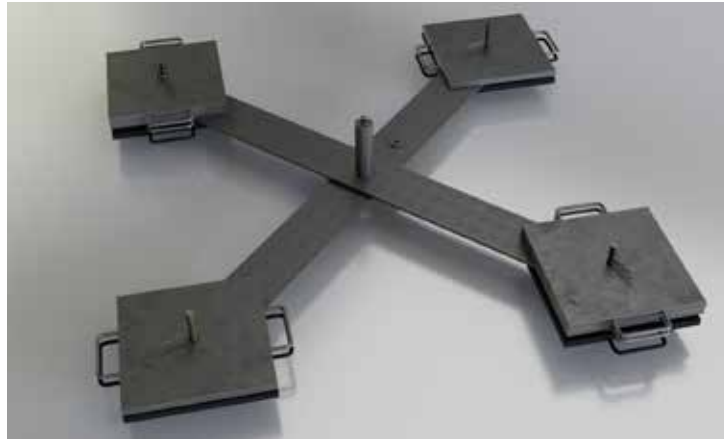




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STEEL INDUSTRIES

KEE ANCHOR SYSTEM

Mobile Deadweight Anchor | Fall Arrest & Fall Restraint



1. OVERVIEW

The Kee Anchor is a mobile deadweight anchor system for use on flat or low-pitch roofs as part of a personal fall (harness and lanyard). Two standard assemblies are available: WTA (250 kg) and WTA08 (300kg). differing only in the number of 25 kg standard weights supplied.

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2. ASSEMBLY COMPARISON

Property	WTA – 250 kg	WTA08 – 300 kg
Part No.	WTAB00010	WTAB00020
Short No.	WTA	WTA08
Rated Deadweight	250 kg	300 kg
Total System Mass	303 kg	303 kg
25 kg Standard Weights	6 off	8 off
15 kg Rubber Base Weights	4 off	4 off
Cross Arm Length	1600 mm	1600 mm
Anchor Standard	EN795 Class A1	EN795 Class A1
Use Case	Fall Arrest / Restraint	Fall Arrest / Restraint

3. COMPONENT PART LIST

* Qty column: 6 off = WTA (DS 0001); 8 off = WTA08 (DS 0002). All other quantities apply to both.

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DS Ref.	Part No.	Short No.	Description	Qty	Material	Finish
0001/0002	DW1016010	DWA101/6	Locating Pin	4	Mild Steel 230M07	Galvanised – BS EN ISO 1461
0001	DW1012010	DWA101/2	25 kg Galvanised Weight	6	Mild Steel 230M07	Galvanised – BS EN ISO 1461
0002	DW1012010	DWA101/2	25 kg Galvanised Weight	8	Mild Steel 230M07	Galvanised – BS EN ISO 1461
0001/0002	DW1013010	DWA101/3	15 kg Rubber Coated Base Weight	4	Mild Steel Q235 / Rubber	Self Colour / Natural
0001/0002	EN0075G10	5845-75G	75 mm EN795-A1 Anchor	1	Carbon Steel 080M40/080A42	Sheradized – BS EN 13811 Cl.30
0001/0002	PP00FA040	PPEDISC-FA	PPE Warning Disc – Fall Arrest	2	Rigid PVC	White, red print
0001/0002	PP00FR040	PPEDISC-FR	PPE Warning Disc – Fall Restraint	2 (alt)	Rigid PVC	White, red print
0001/0002	PWH003840	POLYWASH	38 mm Sealing Washer	2	Nylon 101	Natural
0001/0002	DWACL010	DWA-CLIP	R-Clip for Locating Pin	4	Stainless Steel AISI 316L	Electropolished
0001/0002	DW1015T10	DWA101/5T	Top Cross Arm (1600 mm)	1	Mild Steel Q235	Galvanised – BS EN ISO 1461
0001/0002	DWM207570	DWA-BOLT20	M20 × 75 mm Socket Screw	1	Mild Steel 070M20	Zinc Plated
0001/0002	DW1018010	DWA101/8	Pedestal	1	Mild Steel 230M07	Galvanised – BS EN ISO 1461
0001/0002	DW1015D10	DWA101/5B	Bottom Cross Arm & Nut (1600 mm)	1	Mild Steel 230M07 / S275	Galvanised – BS EN ISO 1461

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DS Ref.	Part No.	Short No.	Description	Qty	Material	Finish
0001/0002	DW1014010	DWA101/4	Stabiliser Arm (1100 mm)	1	Mild Steel 230M07	Galvanised – BS EN ISO 1461
0001/0002	DWATBAR10	DWA-TOMMY	Tommy Bar (400 mm)	1	Mild Steel 070M20	Galvanised

4. KEY DIMENSIONS

Component	Dimensions	Notes	Mass
Base Weight (rubber)	356 × 356 mm, 28 mm thick	Suction cups face down; M16 central tapped hole	15.0 kg
Standard Weight (galv.)	356 × 356 mm, 21 mm thick	Ø22 mm un-threaded centre hole	25.0 kg
Locating Pin	Ø20 mm, L = 144 mm	M16 thread (14 mm); four Ø6 mm securing holes	0.32 kg
Bottom Cross Arm	1600 × 150 mm	M20 & M12 threaded spreader plates	15.77 kg
Top Cross Arm	1600 × 150 mm	Three Ø22 mm holes; no threaded spreader	14.60 kg
Stabiliser Arm	1110 × 80 mm, c/c 1060 mm	Two Ø22 mm end holes	5.50 kg
Pedestal	Ø50 mm OD × 175 mm high	Lower M20; upper M12 tapped holes	2.52 kg
Socket Screw	M20 × 75 mm	Countersunk hex socket head	0.19 kg
Tommy Bar	Ø12 mm × 400 mm	For eyebolt tightening only	0.35 kg
EN795 Anchor	Ø19 mm ring, 76 mm OAL	M12 × 1.75 thread, Type A1 – EN795	0.19 kg
Sealing Washer	Ø38 OD / Ø17 ID, 5 mm thick	Beneath eyebolt; waterproof seal	0.05 kg
R-Clip	85 mm wire, Ø5 mm	Fits lowest visible hole on locating pin	0.04 kg

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5. MATERIALS & FINISH

Component	Material	Finish	Standard
Cross Arms (top & bottom)	Mild Steel 230M07 / S275	Hot-Dip Galvanised	BS EN ISO 1461
Standard Weights	Mild Steel 230M07	Hot-Dip Galvanised	BS EN ISO 1461
Base Weights	Mild Steel Q235 / Rubber	Self Colour / Natural Rubber	—
Stabiliser Arm	Mild Steel 230M07	Hot-Dip Galvanised	BS EN ISO 1461
Pedestal	Mild Steel 230M07	Hot-Dip Galvanised	BS EN ISO 1461
Locating Pin	Mild Steel 230M07	Hot-Dip Galvanised	BS EN ISO 1461
Socket Screw	Mild Steel 070M20	Zinc Plated (BZP)	—
Tommy Bar	Mild Steel 070M20	Galvanised	—
EN795 Anchor	Carbon Steel 080M40 / 080A42	Sheradized	BS EN 13811 Cl.30
R-Clip	Stainless Steel AISI 316L	Electropolished	—
Sealing Washer	Nylon 101	Natural	—
PPE Warning Discs	Rigid PVC	White / Red print	—

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6. WEIGHT SELECTION BY ROOF SURFACE

* Number of 25 kg galvanised weights required in addition to the four rubber base weights always fitted.

Roof Surface	Standard Weights Required*	Assembly
Single Ply Membrane – smooth flat	8	WTA08
Single Ply Membrane – embossed	12	Specify
Steel Cladding – flat / downhill (max 5°)	8	WTA08
Stone Chipping – bitumen base	6	WTA
Stone Chipping – mastic base (stones brushed)	8	WTA08
Mineral Felt	6	WTA
Asphalt	6	WTA
Concrete	6	WTA

7. INSTALLATION NOTES

1. Position the bottom cross arm centrally on the roof surface.
2. Place rubber base weights with suction cups facing down, in direct contact with the roof.
3. Screw locating pins into the base weights; fit R-clips into the lowest visible hole.
4. Stack galvanised standard weights over the locating pins.
5. Place stabiliser arms on adjacent base weights, then fit the top cross arm strip.
6. Insert the pedestal and secure with the M20 socket screw through the spreader plate.
7. Tighten the EN795 anchor into the pedestal using the tommy bar (one hand each end, eyebolt centred).
8. Fit sealing washers and PPE warning discs. Complete and attach the system tag.

Note: Never use the anchor if the system tag shows an overdue or failed inspection.

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