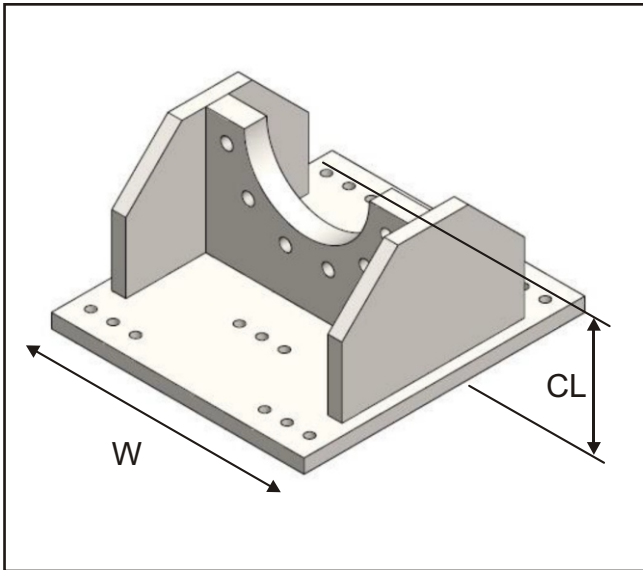


WELDED ANCHOR BRACKETS

WAB for Ferrous and Non-ferrous Pipes



APPLICATIONS

These bespoke anchors comprise a fully welded steel assembly to withstand very large forces imposed by a pipe flange and transfer them to the structure via the steel backplate.

Holes, to match the pipe flange, are located for positive pipe flange location (with viton lined full face to prevent dissimilar metal contact). The thrust plate is radiused to match the outside diameter of the pipe (with viton lining, to prevent dissimilar metal contact). Each assembly is fabricated to match the pipe centre-line distance from the structure.

These models can be used accordingly on ferrous and non-ferrous pipes for many applications.

Pipe DN (mm)	Pipe OD (mm)		Maximum Force (N)	Pipe CL (mm)	Footprint 'L' (mm) 'W' (mm)		Base Fixing	Product Code (MODEL-SIZE-KN-CL-TBL)
65	69.00	73.02	40,000	130	250	255	M16	WAB-DN065-40KN-CL130-PN40 WAB-DN080-40KN-CL135-PN40
80	84.00	88.90	40,000	135	300	270	M16	
100	104.00	114.30	60,000	160	350	315	M16	WAB-DN100-60KN-CL160-PN40 WAB-DN125-60KN-CL180-PN40
125	129.00	141.30	60,000	180	400	350	M16	
150	154.00	168.28	80,000	200	450	390	M16	WAB-DN150-80KN-CL200-PN40 WAB-DN200-80KN-CL240-PN40
200	204.00	219.08	80,000	240	500	465	M16	
250	254.00	273.05	100,000	275	550	550	M16	WAB-DN250-100KN-CL275-PN40 WAB-DN300-100KN-CL310-PN40
300	304.00	323.85	100,000	310	600	615	M16	
350	355.00	355.60	120,000	350	650	690	M20	WAB-DN350-120KN-CL350-PN40 WAB-DN400-120KN-CL380-PN40
400	405.00	406.40	120,000	380	700	770	M20	

The data above represents a basic range.
For each application, the pipe specification, flange table, imposed force and distance from structure to pipe centre-line will be required before a design, stress analysis and fabrication drawing can be produced.

SPECIFICATION

WAB - a fully welded assembly of steel plates, finished in red oxide primer paint finish as standard.

Hot Dip Galvanised (HDG) finish is available on request.

Stainless steel assemblies are available on request.

All pipe specifications can be accommodated, such as Tru-Bore, ISO-Tube, Press-fit, EN10255, scheduled tubes, plastic and composite tubes, etc.

OPERATING PARAMETERS

WAB

Upper Temperature Limit = 100 °C
Lower Temperature Limit = 0 °C

Designs for lower or higher operating temperatures are possible. As a guide, the maximum force is based on stress / temperature reduction factors; up to 200 °C use 80% of the tabulated value and up to 300 °C use 70% of the tabulated value.

NOTE: The base/back plate requires 6 fixings to the structure, one in each group of holes.

The installer MUST provide and weld in place a slip-on flange 'stop' on the pipe to provide the full force capability. This MUST be welded full circumference.