acrow.
ENGINEERING & CONSTRUCTION

TECHNICAL GUIDE
ACROW POWERSHORE 60

FALSEWORK AND SHORING

Any safety provisions as directed by the appropriate governing agencies must be observed when using our products. Illustrations in this document represent partial assembly stages and should not be considered complete configurations. For the purpose of safety, they shall not be considered definitive.

The loads featured in this document, related to the parts of the product, are approximate.

The company reserves the right to introduce any modifications deemed necessary for the technical development of the product.

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Technical Manual Release Notes

This page is intended to record all changes to the **POWERSHORE 60** technical manual pages. Changes or additions to this manual will be itemised with a brief description and date when the amendments were made.

ISSUE	DATE	Amendment Description
F	06/2026	Weights Updated
G	10/2026	Location Updated

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1. Technical Specifications

System Description

The **Acrow POWERSHORE 60** is a high-capacity modular shoring system. Engineered to support up to 60 tonnes (600 kN) per vertical leg. Built from fully galvanised components, it provides a durable and efficient solution for heavy load-bearing applications in the mining, construction, and commercial sectors.

The system's modular design allows it to be configured as multi-leg towers, raking struts, or stand-alone support frames, offering exceptional versatility for a wide range of temporary works. Its integrated connections enable the safe transfer of both vertical and lateral loads. The built-in strength of each individual **POWERSHORE 60** galvanised component contributes to construction of a support tower capable of supporting loads up to 2400kN.

Each component of the **POWERSHORE 60** contributes to its overall structural performance; forming a robust, adaptable, and high-strength shoring solution that delivers proven reliability and safety on every project.

Purpose of the Document

The purpose of this document is to provide guidelines for design, safe handling, transport and installation of the **POWERSHORE 60** system.

The document also outlines the various components of the system and it features illustrations, working load limits, typical assembly arrangements and safe transport and handling measures.

The information contained in this document is provided as a general guide only and does not replace the need for the design to be reviewed and checked by a qualified person in the field of temporary works design and installation, concrete, steel, building construction and services.

This material has been prepared in the context of relevant Australian Standards and the National Construction Code (NCC). Users should make themselves aware of any recent changes to these documents referred to therein and to local variations or requirements.

This document is NOT a substitute for site-specific Safe Operation Procedures. It is the Installation Contractor's responsibility to prepare safe work method statements and observe and comply with site specific health and safety regulations, standards, and policies.

Acrow Engineering and Construction has dedicated engineering services available for project assistance. We can provide design support for clients to determine the best way to specify and document the **POWERSHORE 60**. Our technical experts can identify the most efficient temporary work design meeting project requirements, specifications and installation process.

Should the users require any further information or guidance, they are encouraged to contact their local Acrow branch.

Safety Information

This safety information draws the user's attention to potential musculoskeletal risks associated with manual handling. It is recommended that appropriate procedures and control measures be implemented during assembly and dismantling of the **POWERSHORE 60** system. Refer to the Code of Practice on manual handling published by local Workcover Authority or other approved and recognised guidelines for correct and appropriate manual handling procedures.

1. Technical Specifications

Important Information

The erection and application instructions contained in this manual are the recommended methods to be used for **POWERSHORE 60** products.

The technical function related instructions must be accurately followed to obtain the correct performance of the product. Any deviation from the recommended use shall require separate design verification by Acrow Engineering.

The safe use and application of the system must be in accordance with Australian Standards listed in the Applicable Codes and Standards in this guide, Occupational Health & Safety regulations, approved industry codes of practice and relevant regulatory authority requirements.

The illustrations in these assembly configurations are minimum guidelines only.

Use of **POWERSHORE 60** components in conjunction with third-party equipment may compromise system performance and requires verification of Acrow Engineering or a qualified experienced engineer.

Hazard Identification/Risk Assessments for the erection and dismantling of the system are available from Acrow branches. Site specific Hazard and Risk assessments may need to be prepared for specific projects.

Disclaimer

1. The photographs/illustrations shown within this manual are intended as expressing the diversity and possible applications of the product and as such must not be used as assembly instructions.
2. In line with Acrow's commitment to continuous product development and improvement, the information contained in this manual is subject to change without notice. Please confirm with Acrow Engineering for latest update.
3. While all reasonable effort has been taken to ensure the accuracy and adequacy of the information contained herein, Acrow accepts no responsibility or liability for any loss or damage suffered by any person acting or refraining from action as a result of this information.

Should users require any expert assistance, they are encouraged to contact Acrow Engineering department.

Applicable Codes and Standards

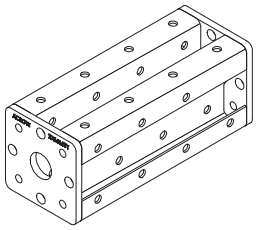
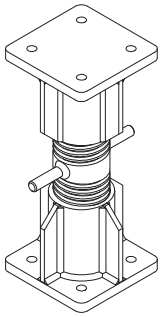
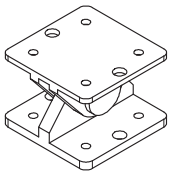
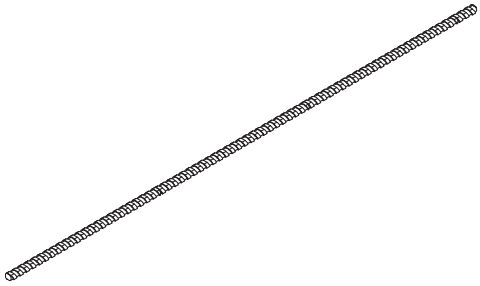
The structural design information and guide provided in this document are limited to the relevant codes listed below. It does not include certification of any structures or works associated with a project.

ELEMENT	DESCRIPTION	CODE
LOADING	Structural Design Actions – General Principles	AS/NZS 1170.0-2002
	Structural Design Actions – Permanent, Imposed And Other Actions	AS/NZS 1170.1-2002
STEEL	Cold-Formed Steel Structures	AS 4600-2020
	Steel Structures	AS 4100-2020
FORMWORK	Formwork for Concrete	AS 3610-1995
	Formwork for Concrete Part 1- Specifications	AS 3610.1-2018

2. GENERAL PRODUCT INFORMATION

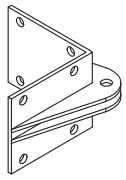
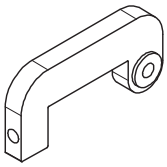
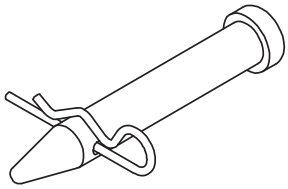
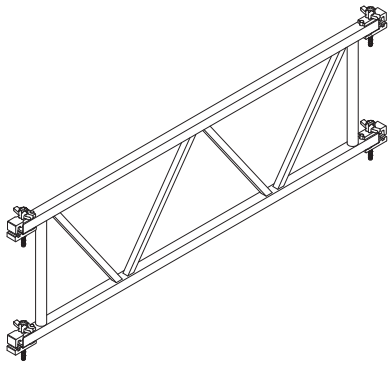
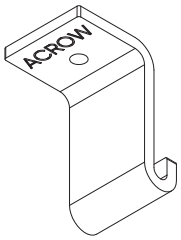
2. General Product Information

Powershore 60 Components

PRODUCT	DESCRIPTION	PRODUCT CODE	MASS (kg)
	**Powershore 60 Props** A wide range of heavy-duty load bearing props designed to be bolted together. The Powershore 60 props are capable of withstanding 600 kN shoring loads.		
	25mm Prop	PS60P25	6.8
	125mm Prop	PS60P125	11.6
	250mm Prop	PS60P250	15.5
	500mm Prop	PS60P500	23.4
	1000mm Prop	PS60P1000	39.8
	2000mm Prop	PS60P2000	72.2
	**Powershore 60 Screw Jack** A jack designed to interface with the Powershore 60 Prop section and is suitable for a 600kN WLL at full 200mm extension.		
	Screw Jack: 380-580mm	PS60SJ	37.1
	**Powershore 60 Raking Bracket** Up to 60° rotation capacity, the Raking Bracket is designed to be bolted to the Powershore 60 props end-plates.		
	Raking Bracket	PS60S	17.6
	**Tie Bar** A length of threaded rod used to cross-brace the Powershore 60 props.		
	Tie Bar	QTTR015	1.44kg/m

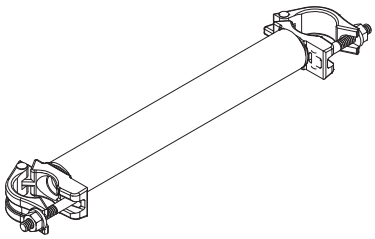
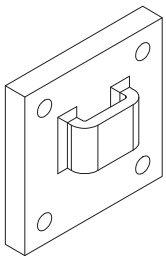
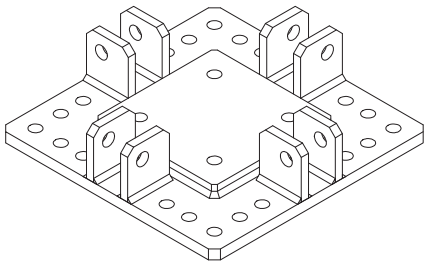
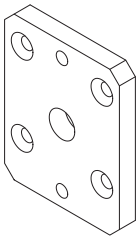
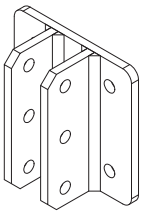
2. General Product Information

Powershore 60 Components

PRODUCT	DESCRIPTION	PRODUCT CODE	MASS (kg)
	**Powershore 60 Brace Adaptor** Bolted to the Powershore 60 props wall, designed for plan brace of the Powershore 60 structure.		
	Brace Adaptor	PS60BA	3.5
	**Tie Bar Adaptor** Designed for cross bracing the Powershore 60 structure. The Tie Bar Adaptor is fixed into members using D19 podger pin. A 15mm diameter HT Thru Tie Rod with HT Thru Tie Hex Nut are used as bracing members.		
	Tie Bar Adaptor Type 1	APS150TBA	5.1
	Tie Bar Adapter Type 2	APS150TBAT2	4.8
	Tie Bar Adaptor Fixed With 15mm diameter x 50mm HT Hex nut fully welded. Designed for cross bracing the Powershore 60 structure. The tie Bar Adaptor is fixed into members using D19 podger pin.		
	Tie Bar Adaptor Fixed	APSTBAF	1.0
	**Podger Pin** Used for locating and retaining Tie Bar Adaptors to Braces and props.		
	Podger Pin 16mm Dia X 253mm LG	PP16-253	0.4
	Podger Pin 19mm Dia X 118mm LG	PP19-118	0.3
	**Acrow Powershore Horizontal Bracing Frames**		
	900 Hoz. Bracing Frame	APSF09	24.0
	1200 Hoz. Bracing Frame	APSF12	31.0
	1800 Hoz. Bracing Frame	APSF18	41.0
	2400 Hoz. Bracing Frame	APSF24	51.0
	3000 Hoz. Bracing Frame	APSF30	61.0
	**Timber Clamps** Connects decking panels to horizontal prop bodies. Installed about the prop lip and screwed into the underside of decks.		
	Timber Clamp	PS60TC	0.2

2. General Product Information

Powershore 30 Components

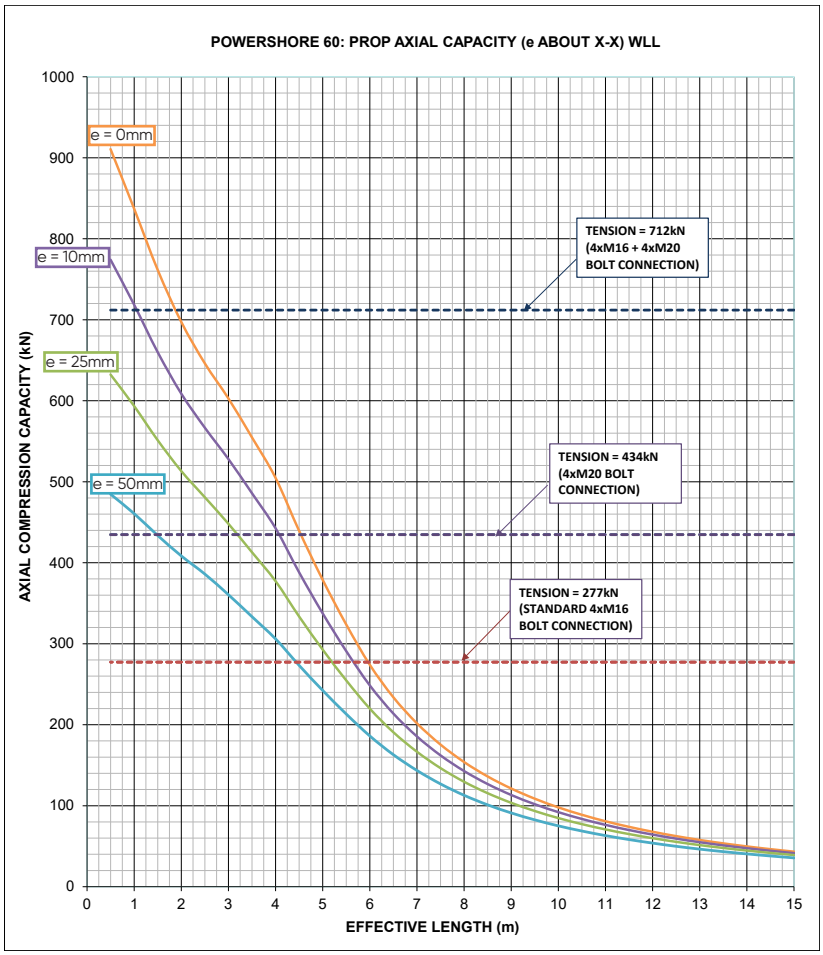
PRODUCT	DESCRIPTION	PRODUCT CODE	MASS (kg)
	**PS30 Corner Brace** Used for cross bracing PS30 gate corners.		
	443mm Corner Coupler	PS30CB360	2.5
	**PS60 Horizontal Brace Adaptor** Connects PS30 Horizontal Braces to PS60 vertical props.		
	Gate Adaptor	PS60GA	5.2
	**Jack Base Adaptor** Secures the PS60SJ to substrates and grillages.		
	Jack Base Plate Adaptor	PS60JBA	23.3
	**Slim Max Soldier Adaptor** Allows for Slim Max Soldiers to be installed to PS60 Prop verticals.		
	Slim Max Adaptor	PS60SMA	7.24
	**Turnbuckle Adaptor** Allows for connections to turnbuckles. Secured with D16 podger pin.		
	Turnbuckle Adaptor	PS60TBA	6.8

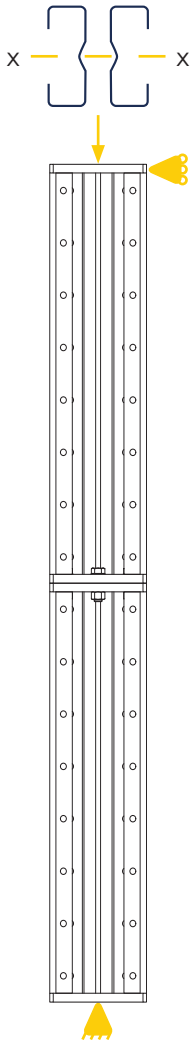
3. WORKING LOAD LIMITS (WLL)

3. Working Load Limits (WLL)

Prop Axial

Eccentricity in XX Axis:





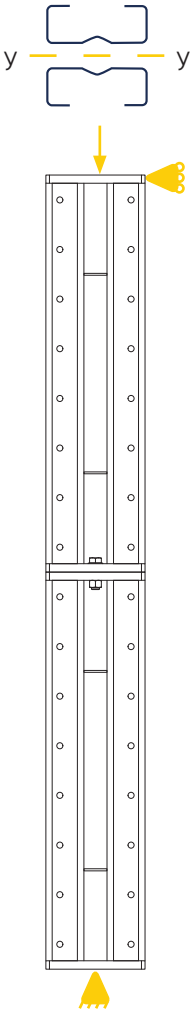
Notes for X-X Axis:

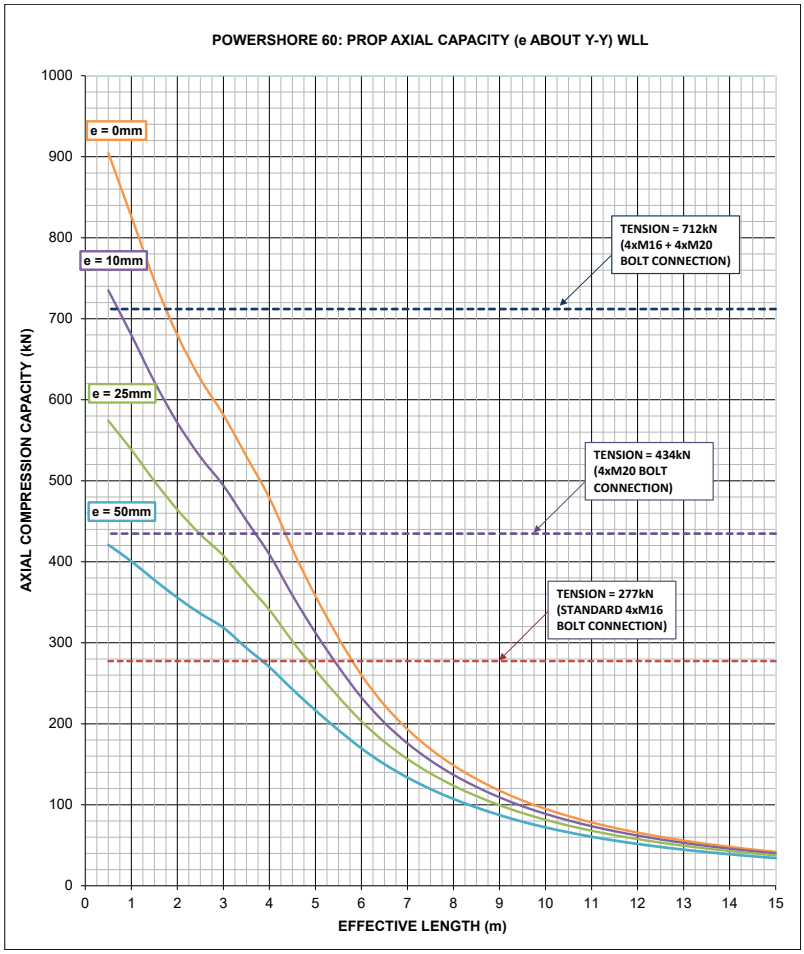
1. Maximum capacity is with component configured as shown. Other components may limit capacity. All system components must be checked to ensure sufficient capacities.
2. Fixing at the base and top plates to be suitably capable to transfer loads. Loads are based on a prop pinned at each end.
3. Maximum capacity is with components in working condition.
4. Initial eccentricity due to the possibility of the strut being set L/400 out of plumb (about the XX axis) has been considered for all eccentricities of load.
5. Limit State Conversion Factor (LSCF) of 1.5.
6. Tension capacity is based on standard 8 bolt pattern applied to the connection.
7. Capacities are based on effective length of individual prop legs. The designer shall ensure all towers are adequately braced to prevent global tower buckling.
8. Bolted joint capacities shown are based on Grade 10.9 bolts. Grade 8.8 bolts may be used, however the specifier is to apply an appropriate reduction factor for relevant capacities to account for the use of the lower grade bolt.

3. Working Load Limits (WLL)

Prop Axial

Eccentricity in YY Axis:





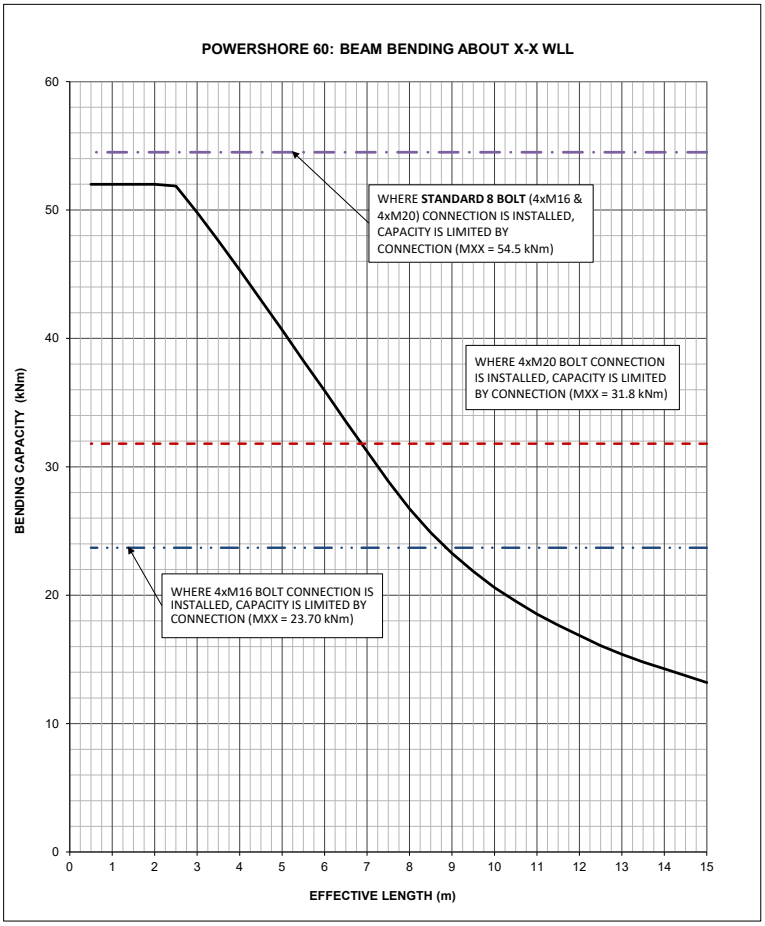
Notes for Y-Y Axis:

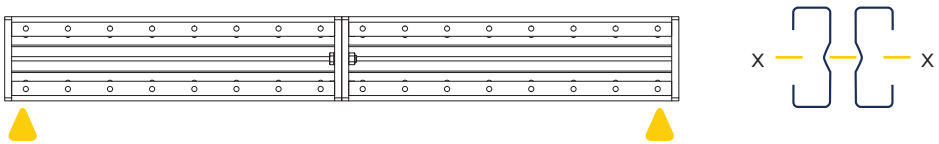
1. Maximum capacity is with component configured as shown. Other components may limit capacity. All system components must be checked to ensure sufficient capacities.
2. Fixing at the base and top plates to be suitably capable to transfer loads. Loads are based on a prop pinned at each end.
3. Maximum capacity is with components in working condition.
4. Initial eccentricity due to the possibility of the strut being set L/400 out of plumb (about the XX axis) has been considered for all eccentricities of load.
5. Limit State Conversion Factor (LSCF) of 1.5.
6. Tension capacity is based on standard 8 bolt pattern applied to the connection.
7. Capacities are based on effective length of individual prop legs. The designer shall ensure all towers are adequately braced to prevent global tower buckling.
8. Bolted joint capacities shown are based on Grade 10.9 bolts. Grade 8.8 bolts may be used, however the specifier is to apply an appropriate reduction factor for relevant capacities to account for the use of the lower grade bolt.

3. Working Load Limits (WLL)

Prop Bending

Eccentricity in XX Axis:





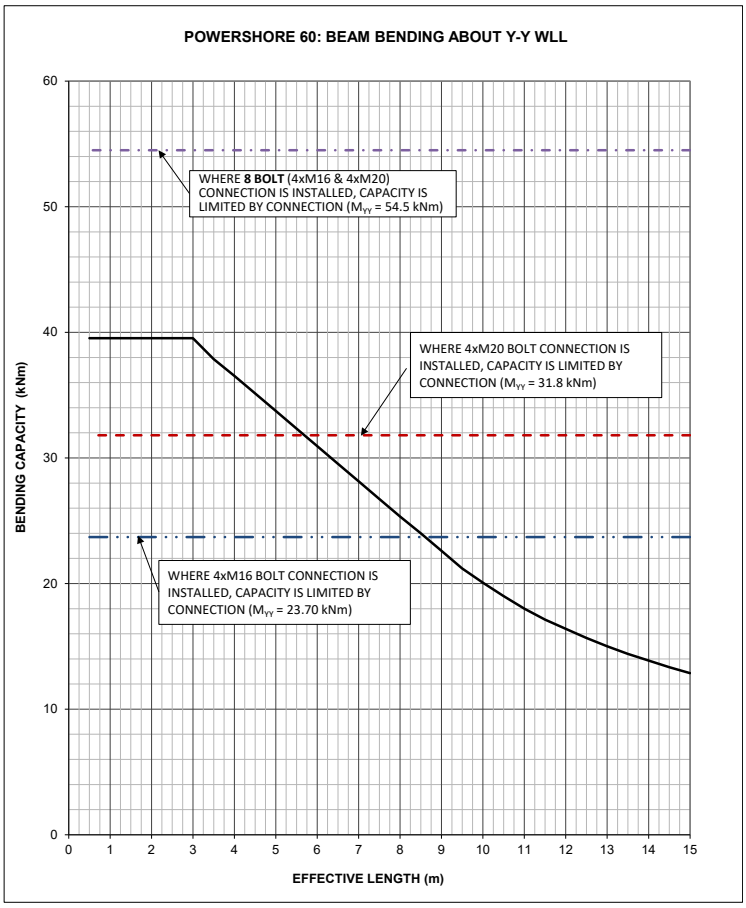
Notes for X-X Axis:

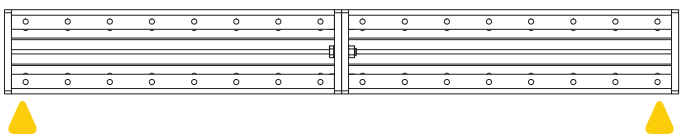
1. Maximum capacity is with component configured as shown, capacity may be limited by other components. Users shall check and ensure all components in the system have sufficient capacities.
2. Maximum capacity in X-X is governed by the bolt group when a standard 8 bolt connection is installed.
3. Maximum capacity is with components in working condition. Contact Acrow Engineering if components are damaged during site use.
4. Limit State Conversion Factor (LSCF) of 1.5
5. Bolted joint capacities shown are based on Grade 10.9 bolts. Grade 8.8 bolts may be used, however the specifier is to apply an appropriate reduction factor for relevant capacities to account for the use of the lower grade bolt.

3. Working Load Limits (WLL)

Prop Bending

Eccentricity in YY Axis:



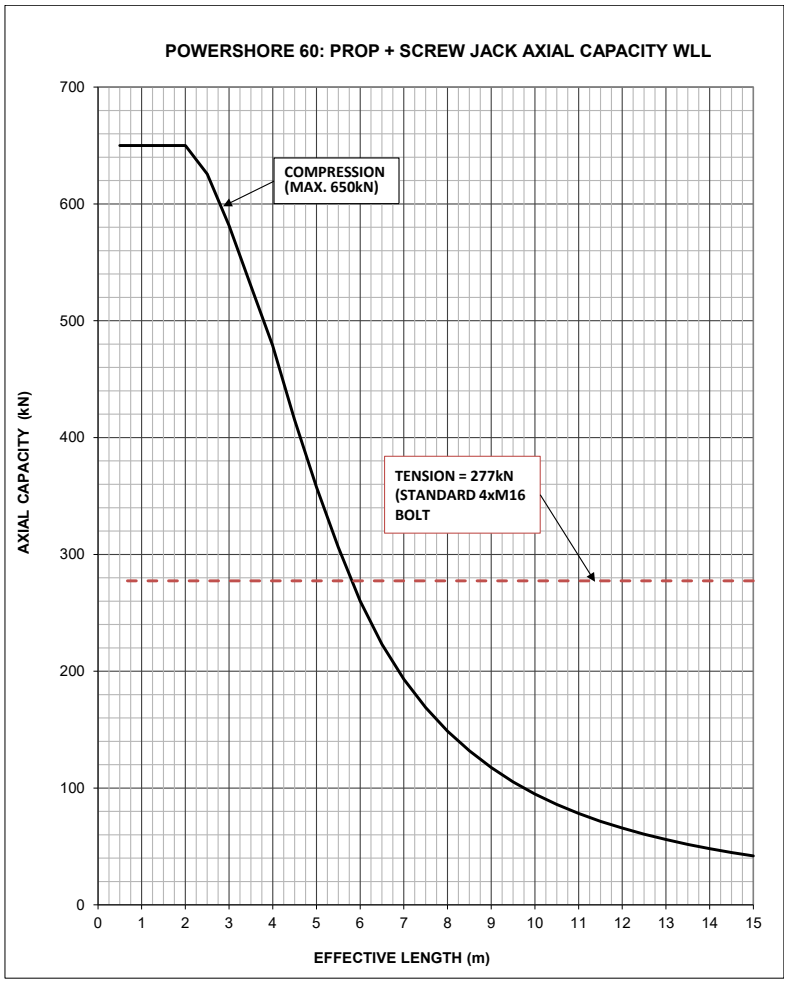


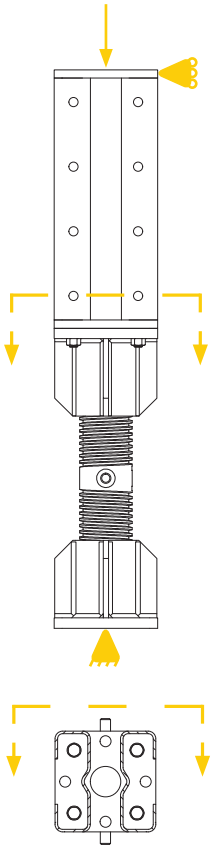
Notes for Y-Y Axis:

1. Maximum capacity is with component configured as shown, capacity may be limited by other components. Users shall check and ensure all components in the system have sufficient capacities.
2. Maximum capacity in Y-Y is governed by the beam section when a standard 8 bolt connection is installed.
3. Maximum capacity is with components in working condition. Contact Acrow Engineering if components are damaged during site use.
4. Limit State Conversion Factor (LSCF) of 1.5
5. Bolted joint capacities shown are based on Grade 10.9 bolts. Grade 8.8 bolts may be used, however the specifier is to apply an appropriate reduction factor for relevant capacities to account for the use of the lower grade bolt.

3. Working Load Limits (WLL)

Axial - Prop Combined With Screw Jack





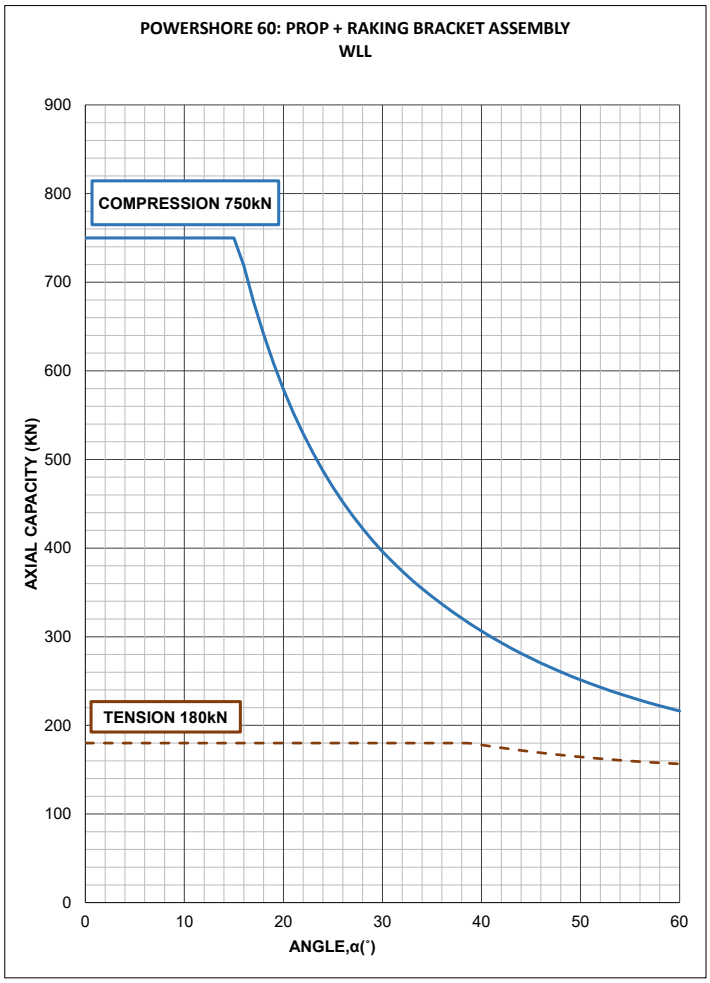
Prop to Screw Jack

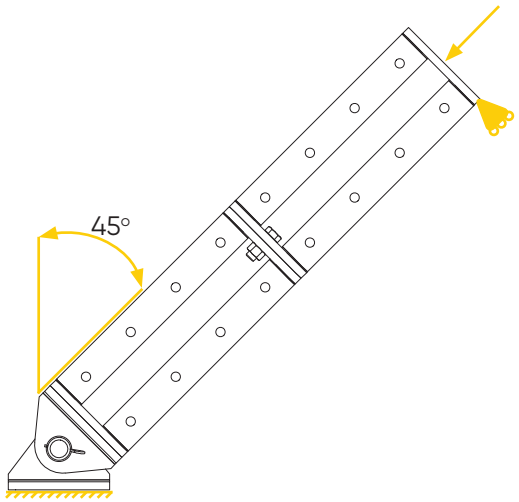
Notes:

1. Maximum capacity is with component configured as shown, capacity may be limited by other components. Users shall check and ensure all components in the system have sufficient capacities.
2. Fixing at the base of screw jack and top plate of beam to be suitably capable of transferring loads. Beam to screw jack connection via standard 4 bolt connection. Loads are based on a prop pinned at each end.
3. Maximum capacity is with components in working condition. Contact Acrow Engineering if components are damaged during site use.
4. Initial eccentricity due to the possibility of the strut being set L/400 out of plumb (about the YY axis) has been considered for all eccentricities of load.
5. Limit State Conversion Factor (LSCF) of 1.5
6. Capacities are based on effective length of individual prop legs. The designer shall ensure all towers are adequately braced to prevent global tower buckling.
7. Tension capacity is based on standard 4 bolt pattern applied to the connection.
8. Bolted joint capacities shown are based on Grade 10.9 bolts. Grade 8.8 bolts may be used, however the specifier is to apply an appropriate reduction factor for relevant capacities to account for the use of the lower grade bolt.

3. Working Load Limits (WLL)

Axial - Prop Combined With Raker Bracket



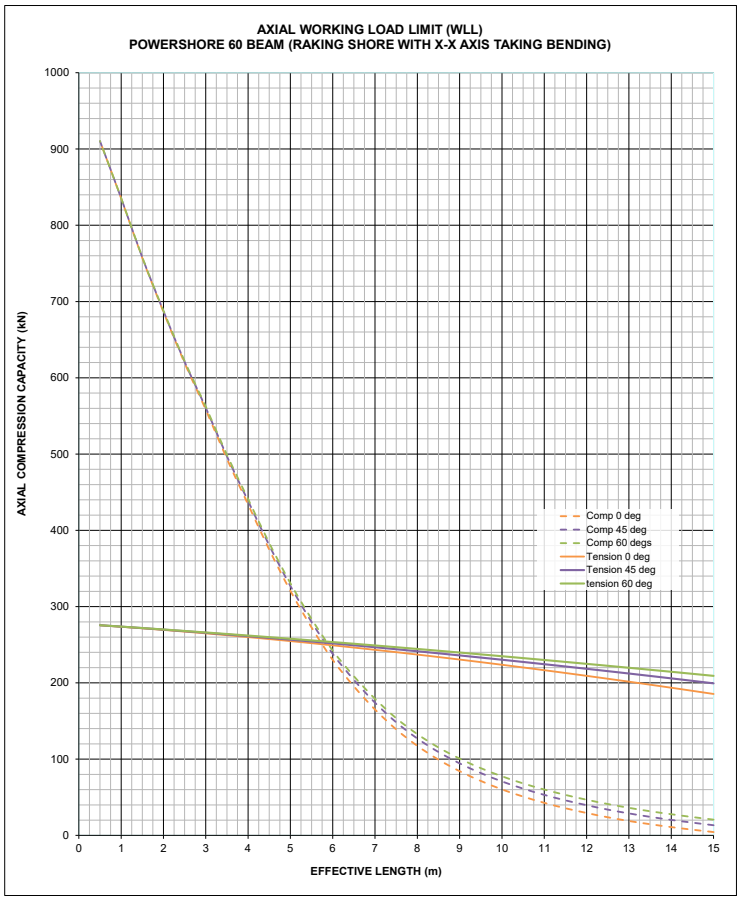


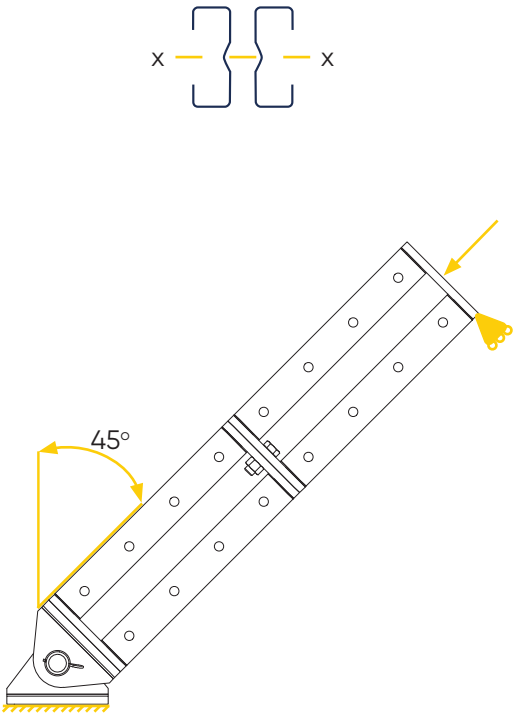
Notes:

1. Maximum capacity is with component configured as shown, capacity may be limited by other components. Users shall check and ensure all components in the system have sufficient capacities.
2. Angle 'a' (degrees) measured from vertical.
3. Fixing at the base of raking bracket and substrate to be suitably capable to transfer loads. Beam to swivel connection via 6 bolt connection (2 No. M20 Grade 10. 9 bolts, 4 No. M16 Grade 10.9 bolts, nuts and washers).
4. Maximum capacity is with components in working condition. Contact Acrow Engineering if components are damaged during site use.
5. Limit State Conversion Factor (LSCF) of 1.5
6. Tension capacity is based on standard 6 bolt pattern applied to the connection.
7. Bolted joint capacities shown are based on Grade 10.9 bolts. Grade 8.8 bolts may be used, however the specifier is to apply an appropriate reduction factor for relevant capacities to account for the use of the lower grade bolt.

3. Working Load Limits (WLL)

Axial - Prop Swivel With XX-Axis Taking Bending



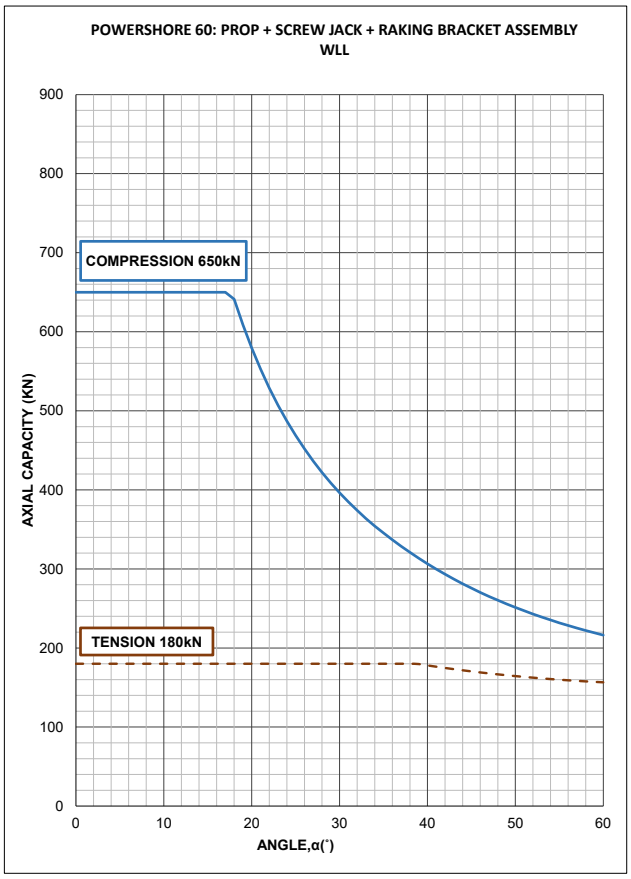


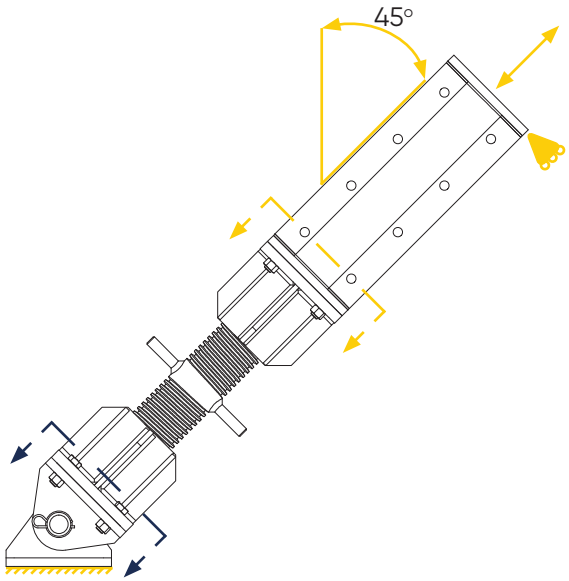
Notes:

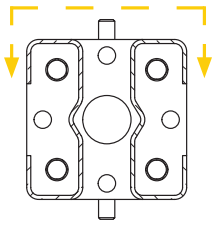
1. Maximum capacity is with component configured as shown, capacity may be limited by other components. Designers shall check and ensure all components in the system have sufficient capacity.
2. Fixing at the base and top plates to be suitably capable of transferring loads. Theoretical model is pinned at each end with 0 eccentricity.
3. Maximum capacity is with components in working condition. Contact Acrow Engineering if components are damaged during site use.
4. Maximum initial straightness tolerance of the strut = L/400 (about the XX axis) has been considered.
5. Second order effects have been considered.
6. Limit State Conversion Factor (LSCF) of 1.5
7. Tension capacity is limited by typical:
    - 8 bolts pattern Powershore 60 prop to prop connection
    - 6 bolts pattern Raking Bracket to Powershore 60 prop connection
8. Swivel Prop webs shall be in the vertical planes when loaded (X-X axis in bending to counter self-weight gravity).
9. Effective length from 0.5m to 15m with 0.5m increment. Length excludes Swivel.
10. Bolted joint capacities shown are based on Grade 10.9 bolts. Grade 8.8 bolts may be used, however the specifier is to apply an appropriate reduction factor for relevant capacities to account for the use of the lower grade bolt.

3. Working Load Limits (WLL)

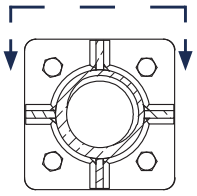
Axial - Prop Combined With Screw Jack And Raker Bracket







Prop to Screw Jack



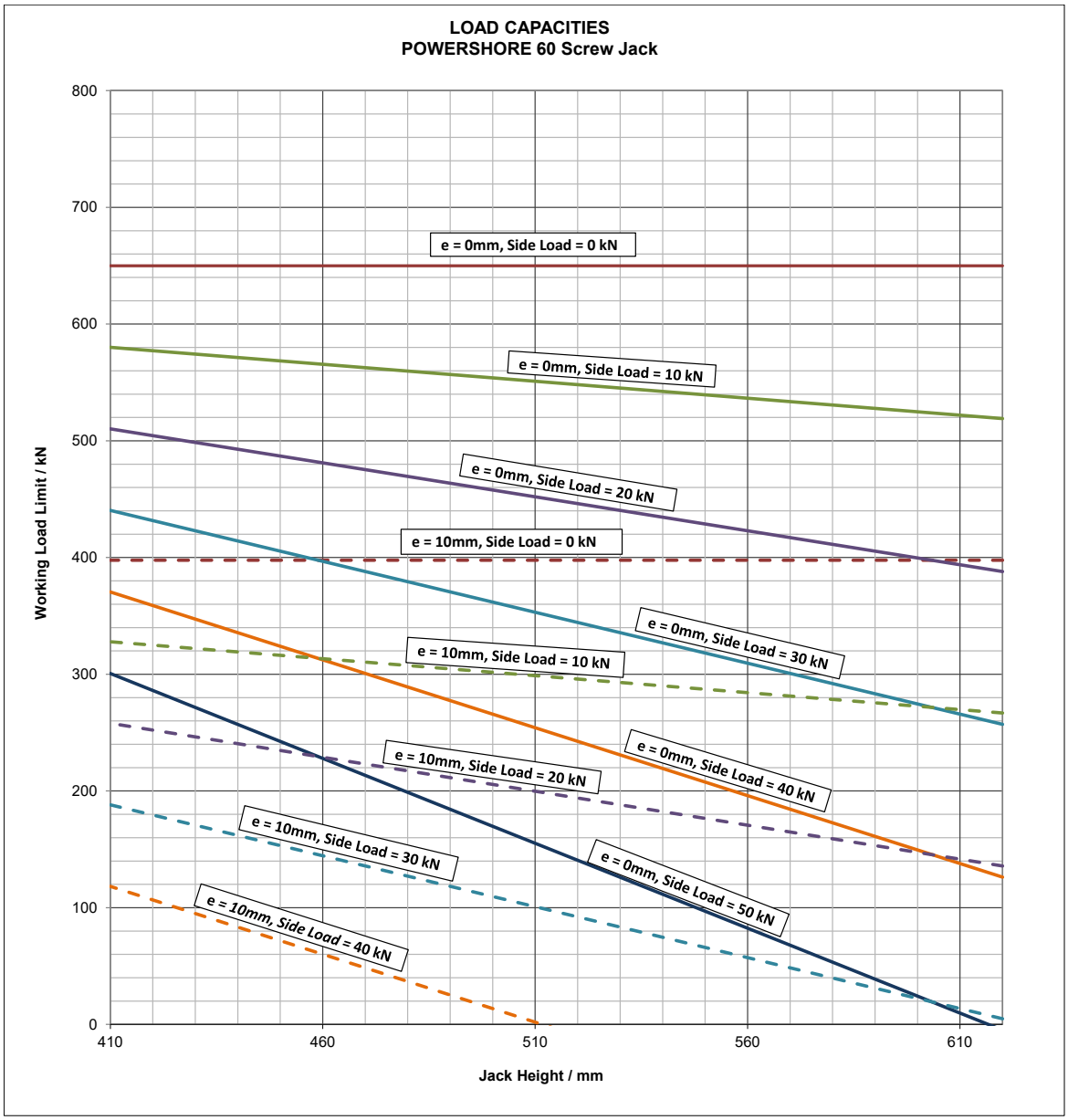
Screw Jack to Swivel

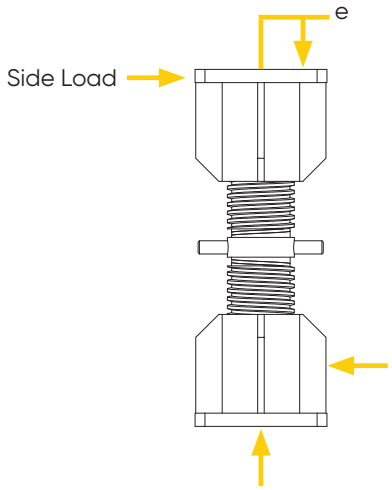
Notes:

1. Maximum capacity is with component configured as shown, capacity may be limited by other components. Users shall check and ensure all components in the system have sufficient capacities.
2. Angle 'a' (degrees) measured from vertical.
3. Fixing at the base of raking bracket and substrate to be suitably capable to transfer loads. Beam to screw jack connection via standard 4 bolt connection and screw jack to swivel connection via 4 bolt connection (4 No. M16 Grade 10.9 bolts, nuts and washers).
4. Maximum capacity is with components in working condition. Contact Acrow Engineering if components are damaged during site use.
5. Limit State Conversion Factor (LSCF) of 1.5
6. Bolted joint capacities shown are based on Grade 10.9 bolts. Grade 8.8 bolts may be used, however the specifier is to apply an appropriate reduction factor for relevant capacities to account for the use of the lower grade bolt.

3. Working Load Limits (WLL)

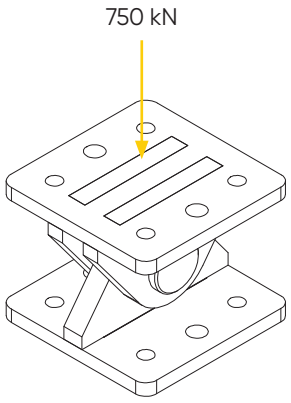
Screw Jack WLL



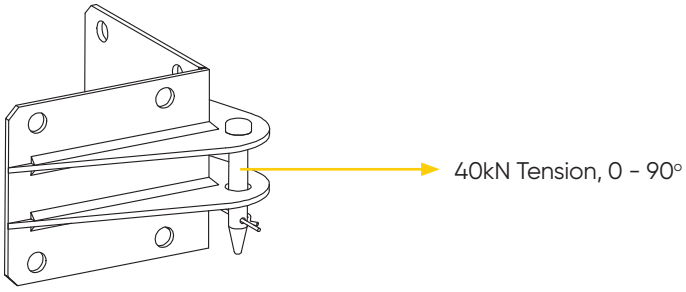


3. Working Load Limits (WLL)

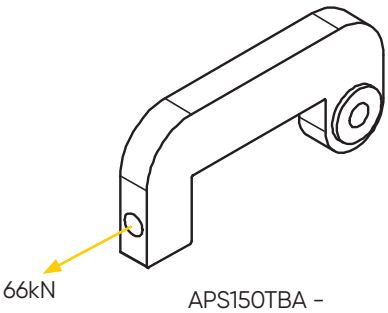
Raking Bracket WLL



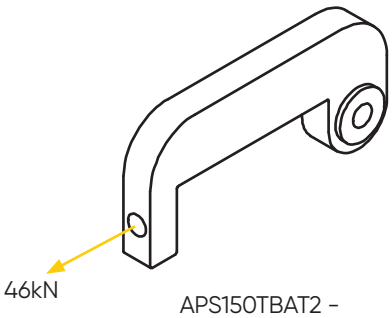
Plan Brace Adaptor WLL



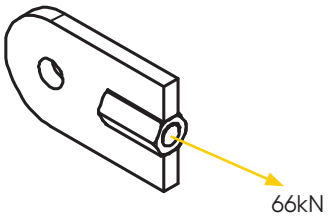
Tie Bar Adaptors WLL



APS150TBA -
Powershore 150 Tie Bar
Adapter Type 1



APS150TBAT2 -
Powershore 150 Tie Bar
Adapter Type 2



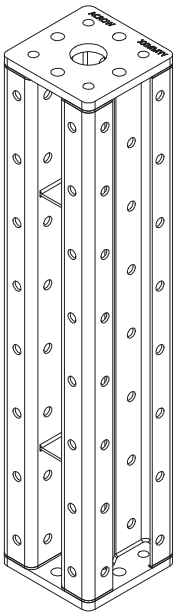
APSTBAF -
Tie Bar Adaptor Fixed

4. SYSTEM DETAILS

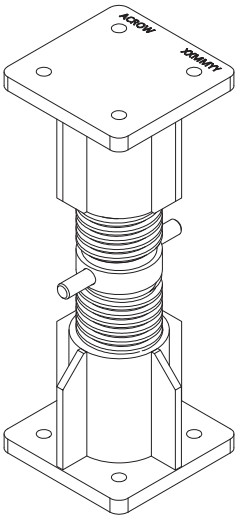
4. System Details

System Overview

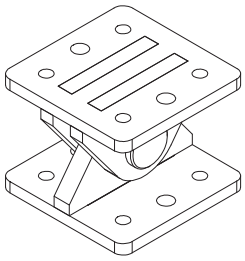
The Powershore 60 system consists of props designed to be joined using M20 and M16 GR10.9 bolts. Other key components include the screw jack, Raking Bracket, brace and tie rod adaptors. The range of adaptors are designed to enable the bracing of the Powershore 60 props, bolting of vertical and horizontal props and to enable the connection of the Powershore 60 components to Acrow's range of shoring systems.



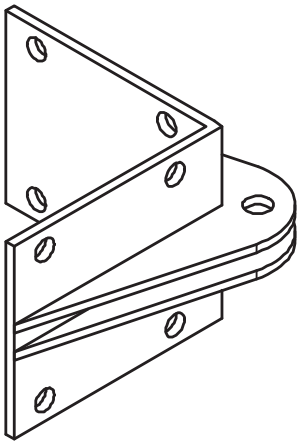
25mm to 2000mm Props / Beams



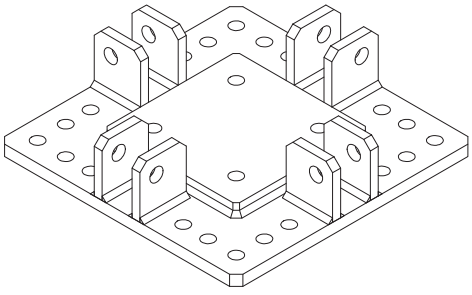
Screw Jack



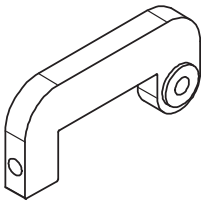
Raking Bracket



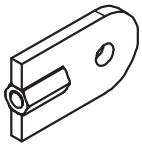
Brace Adaptor



Jack Brace Adaptor



Tie Bar Adaptor - Type 1



Tie Rod Adaptor - Type 2

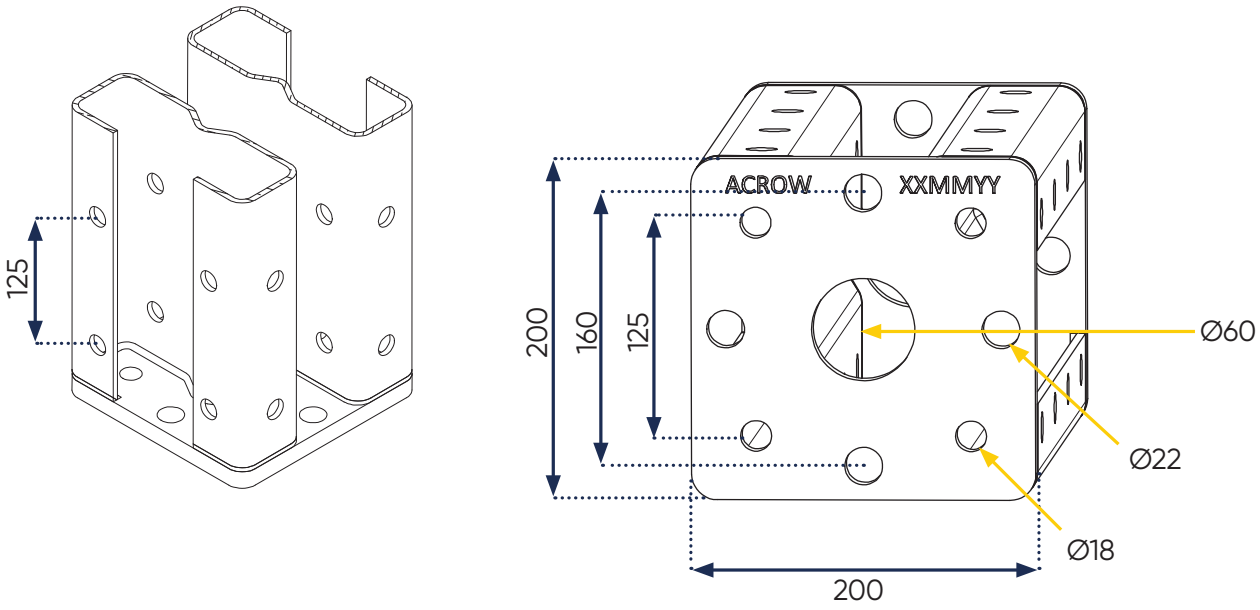
4. System Details

Props

"The Powershore 60 system offers a range of props from 25mm to 2000mm high. The prop's section consists of two lipped channels galvanised steel sections spaced apart by battens and welded to 16mm thick steel end plates.

The hole patterns in the end plates allow the direct bolting of props to achieve a desired height and length, alongside allowing for connection to auxiliary parts such as screw jacks and raking brackets. Hole patterns in the flanges of the prop sections enable the direct connection of brace members and other Powershore 60 components. M16 and M20 bolts are used to locate and secure corresponding parts.

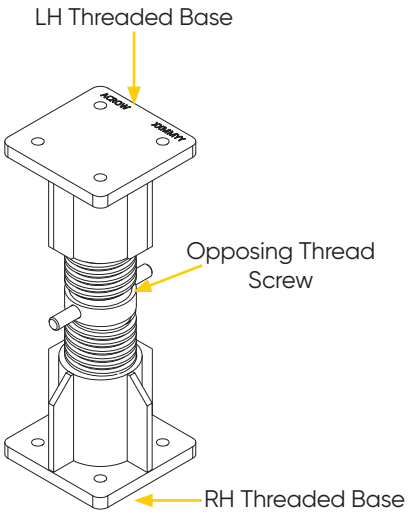
The Powershore 60 props have been designed to resist loads in bending, tension, and compression. Connection strength can be increased with the full 8 bolt connection between props.

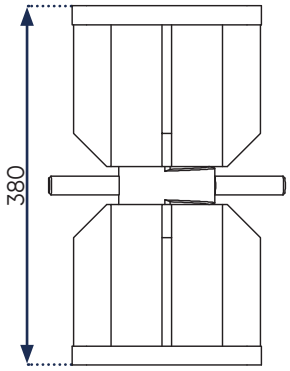


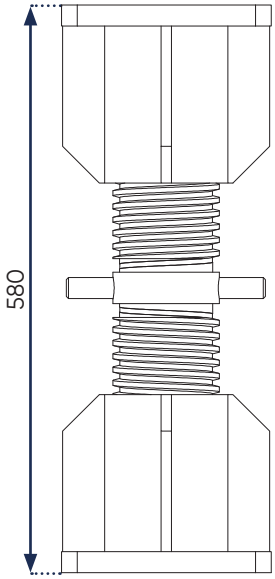
4. System Details

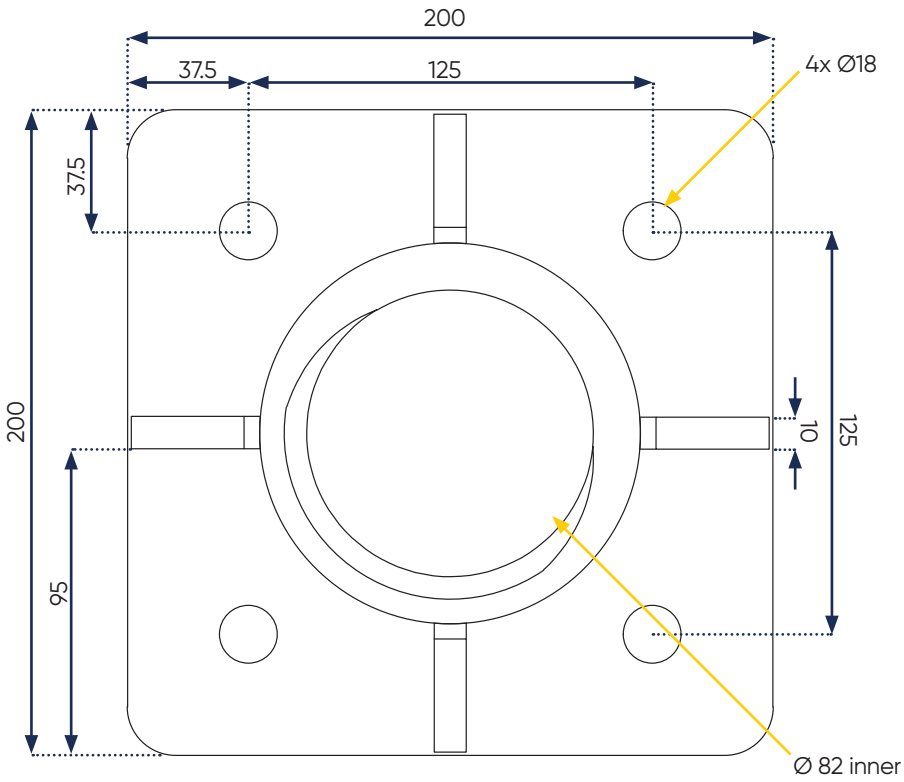
Screw Jack

The Screw Jack is designed to connect with the Powershore 60 Props and provides a Working Load Limit (WLL) of 600 kN at full extension. The Screw Jack connects to the Powershore 60 Prop or Beam Section using 4 x M16 x 60 mm GR10.9 bolts, complete with nuts and washers.





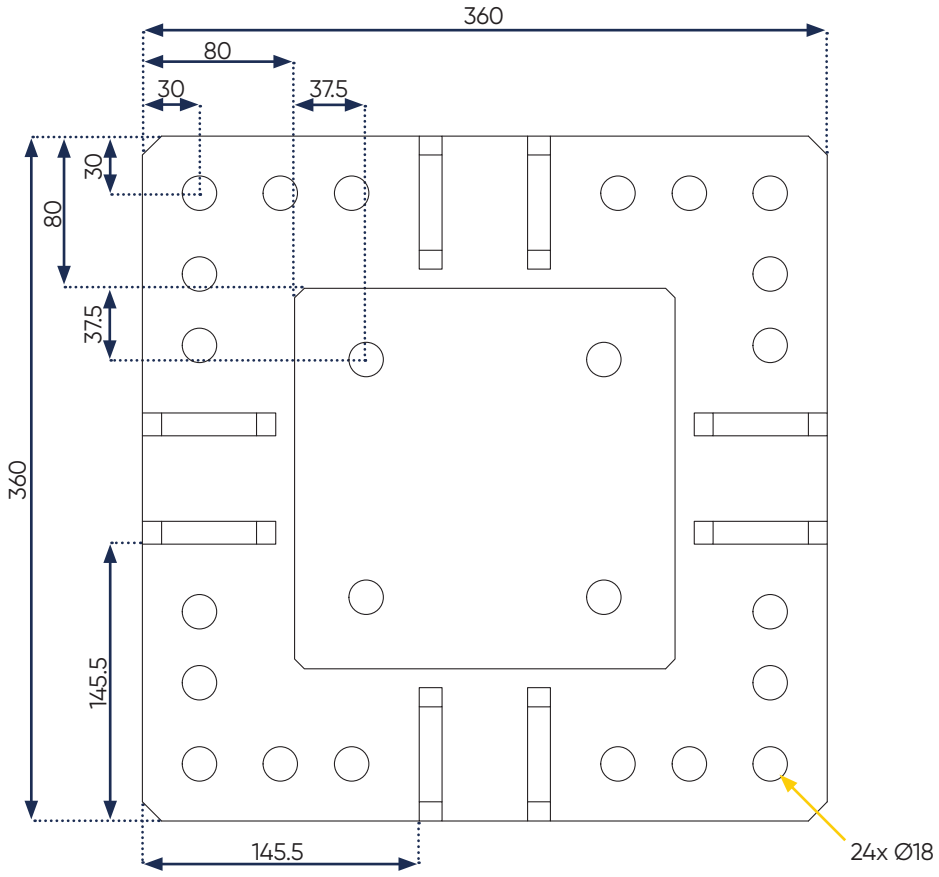


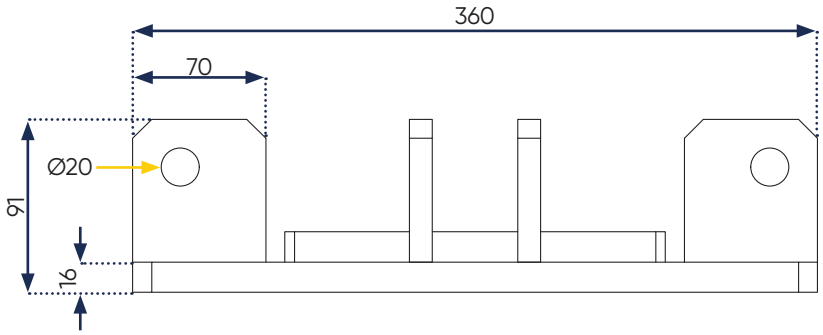


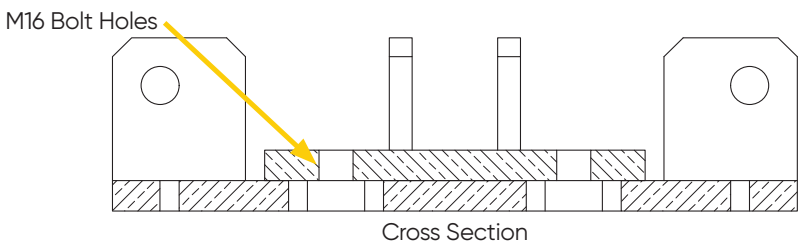
4. System Details

Jack Brace Adaptor

The Jack Brace Adaptor is an intermediary connection between the Screw Jack and foundations or grillages. The Jack Brace Adaptor accepts both forms of tie rod Adaptors between the vertical 12mm plates allowing the structure to be cross braced to the foundation. 4 x M16x60mm GR10.9 bolts are used to secure Screw Jack.





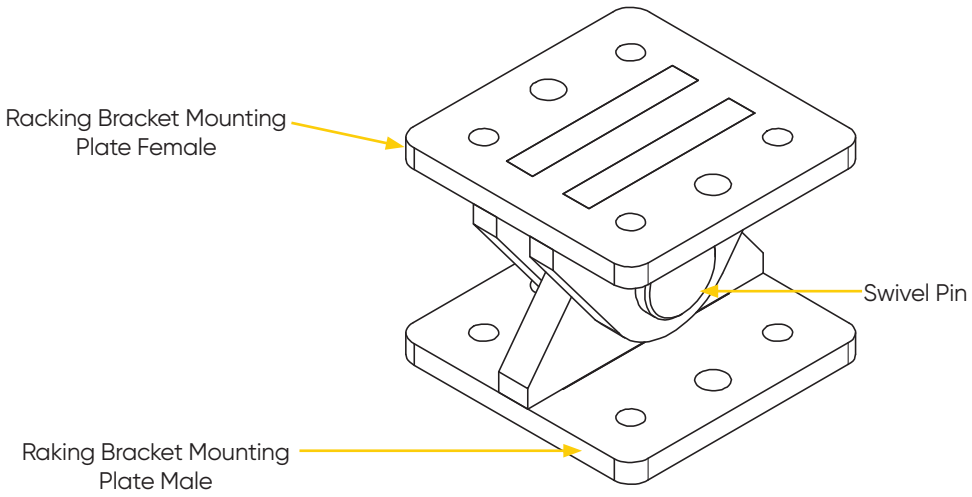


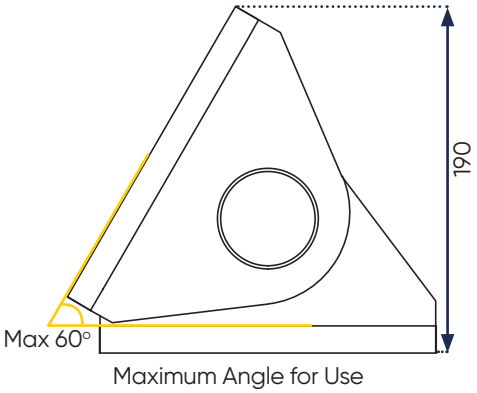
Cross Section

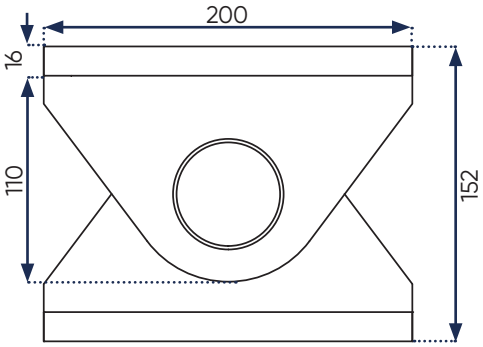
4. System Details

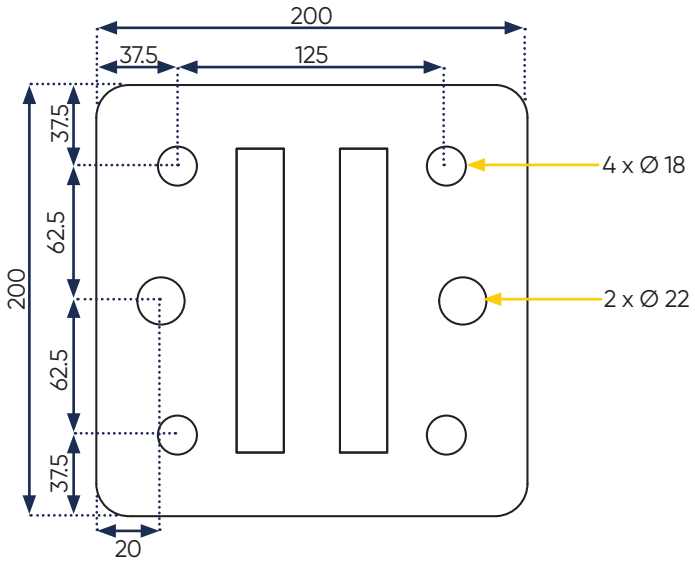
Raking Bracket

The Raking Bracket is designed for an angled connection between Powershore 60 Props / Beam Section secured via 2 x M20x60mm GR10.9 bolts, 4 x M16x60mm GR 10.9 bolts, nuts, and washers.







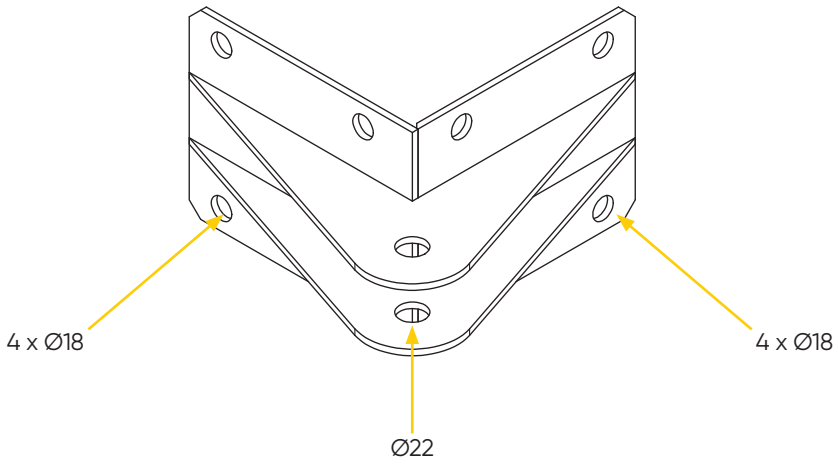


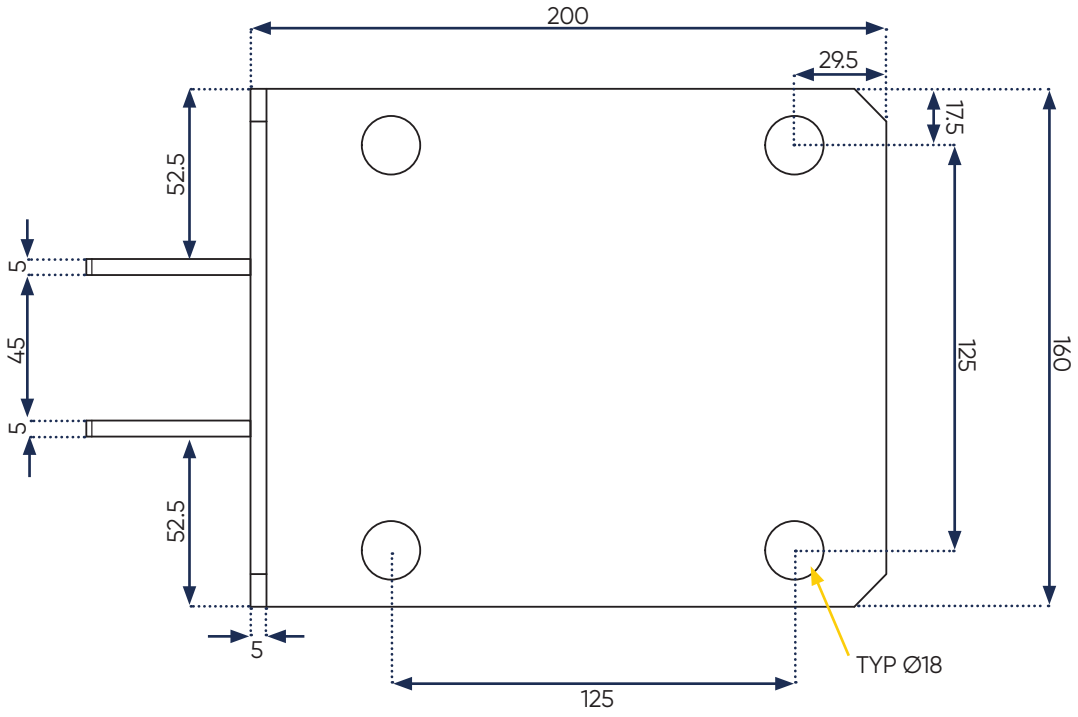
4. System Details

Brace Adaptor

The Brace Adaptor is designed to plan brace the Powershore 60 Props structure using a tie bar assembly.

- The Brace Adaptor shall be connected to prop wall with 8 x M16x45mm GR10.9 bolts.
- Tension force directions shall be within the same plane of the parallel lugs.
- Prop torsional rotation along its axis shall be restraint if adaptor applies any torque to the prop.

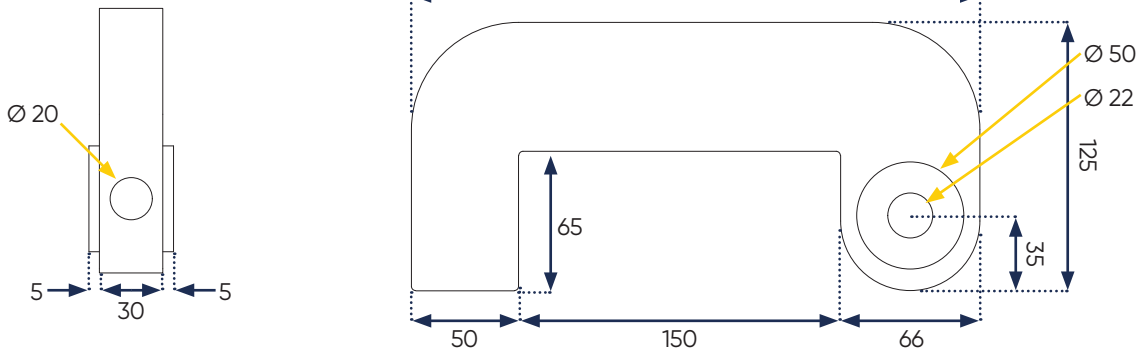




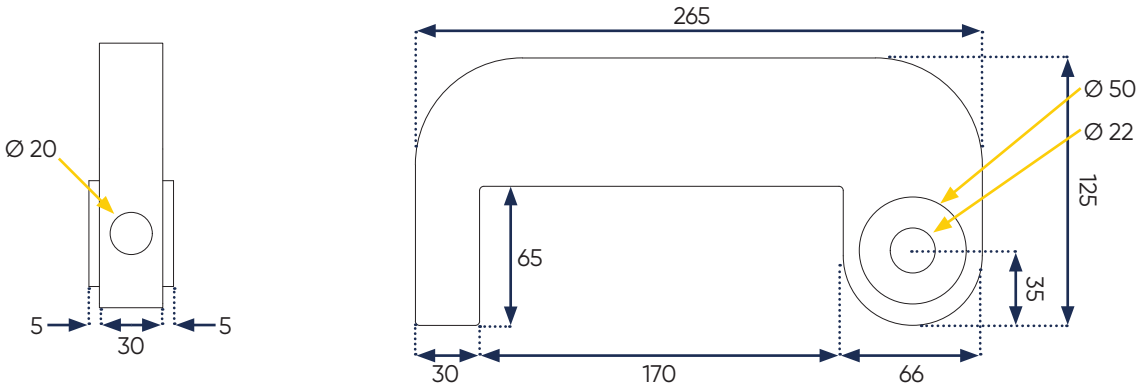
4. System Details

Tie Bar Adaptor Type 1

The Tie Bar Adaptor Type 1, also known as Z-Bar adaptor, is designed for bracing the Powershore 60 structure. The Tie Bar Adaptor Type 1 is fixed into members using D16 podger pin. A Ø15mm HT Thru Tie Rod with HT Thru Tie Hex Nut are used as bracing members.

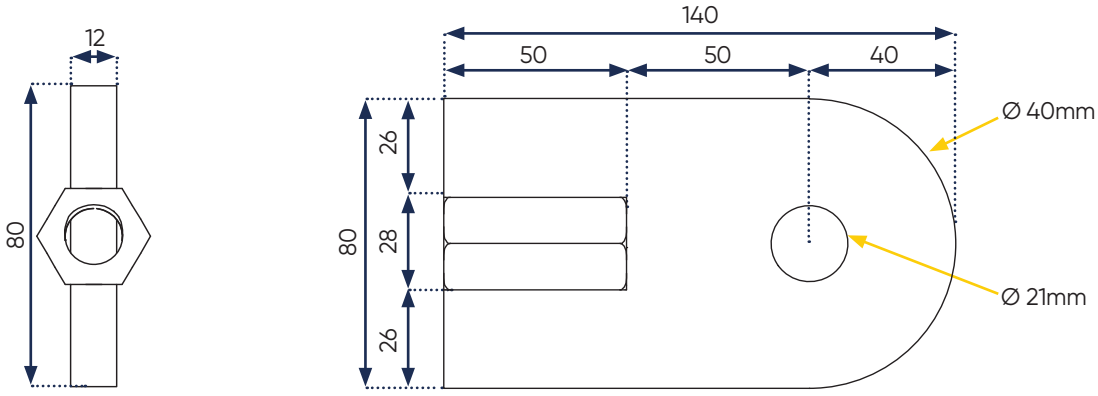


Tie Bar Adaptor Type 2



Tie Bar Adaptor Fixed

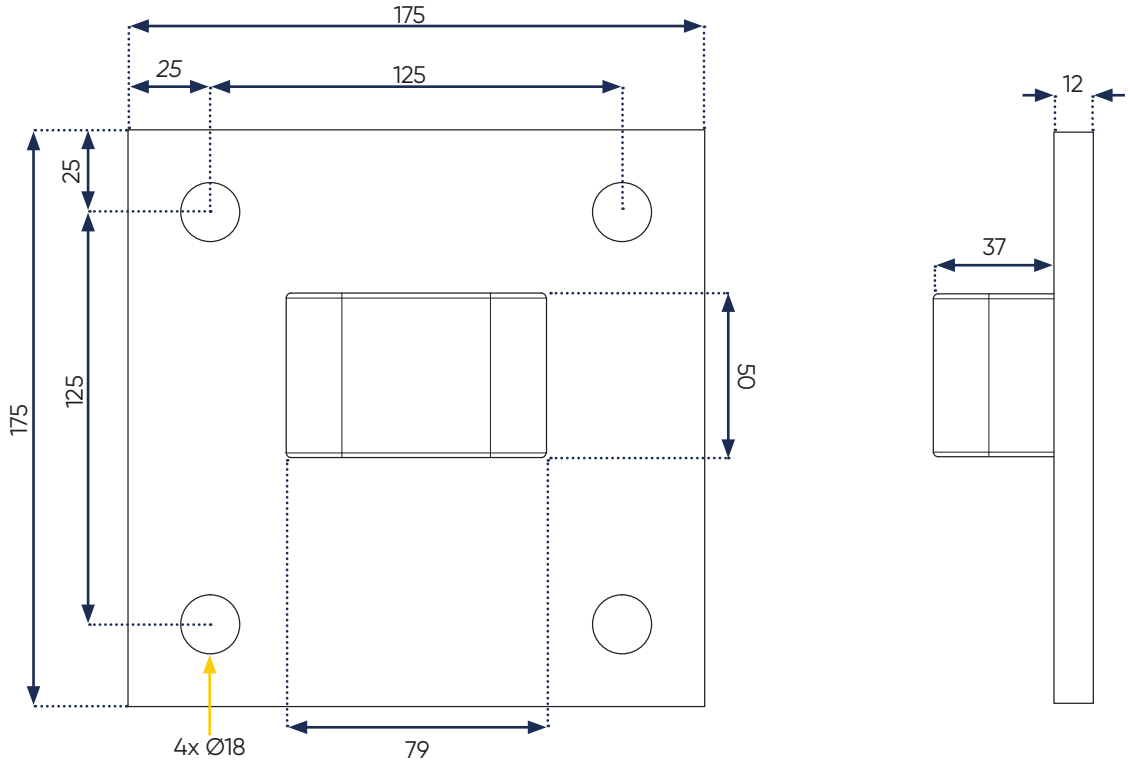
The Ø15 x 50mm HT Thru Hex nut is fully welded and part of the adaptor and is designed for bracing the Powershore 60 structure. The Tie Bar Adaptor Type 2 is fixed into members using D19 podger pin.



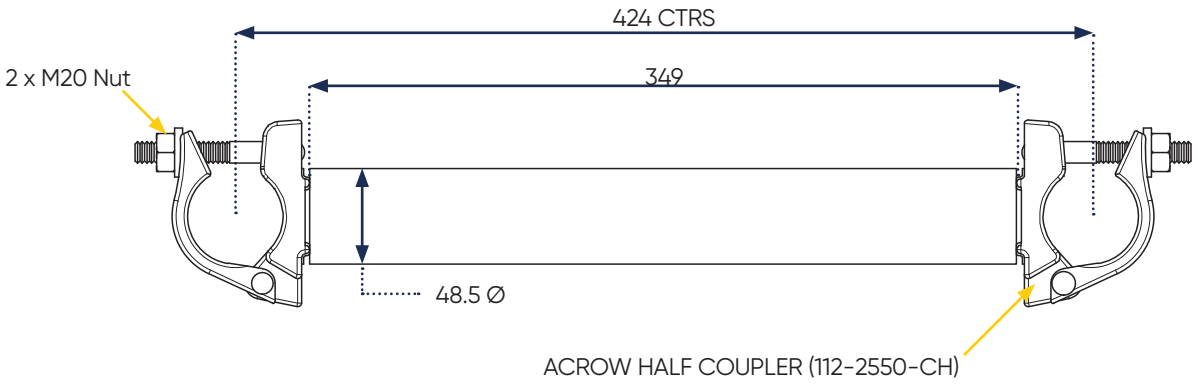
4. System Details

Gate Adaptor

Secured with 4 x M16x45mm GR10.9 bolts.



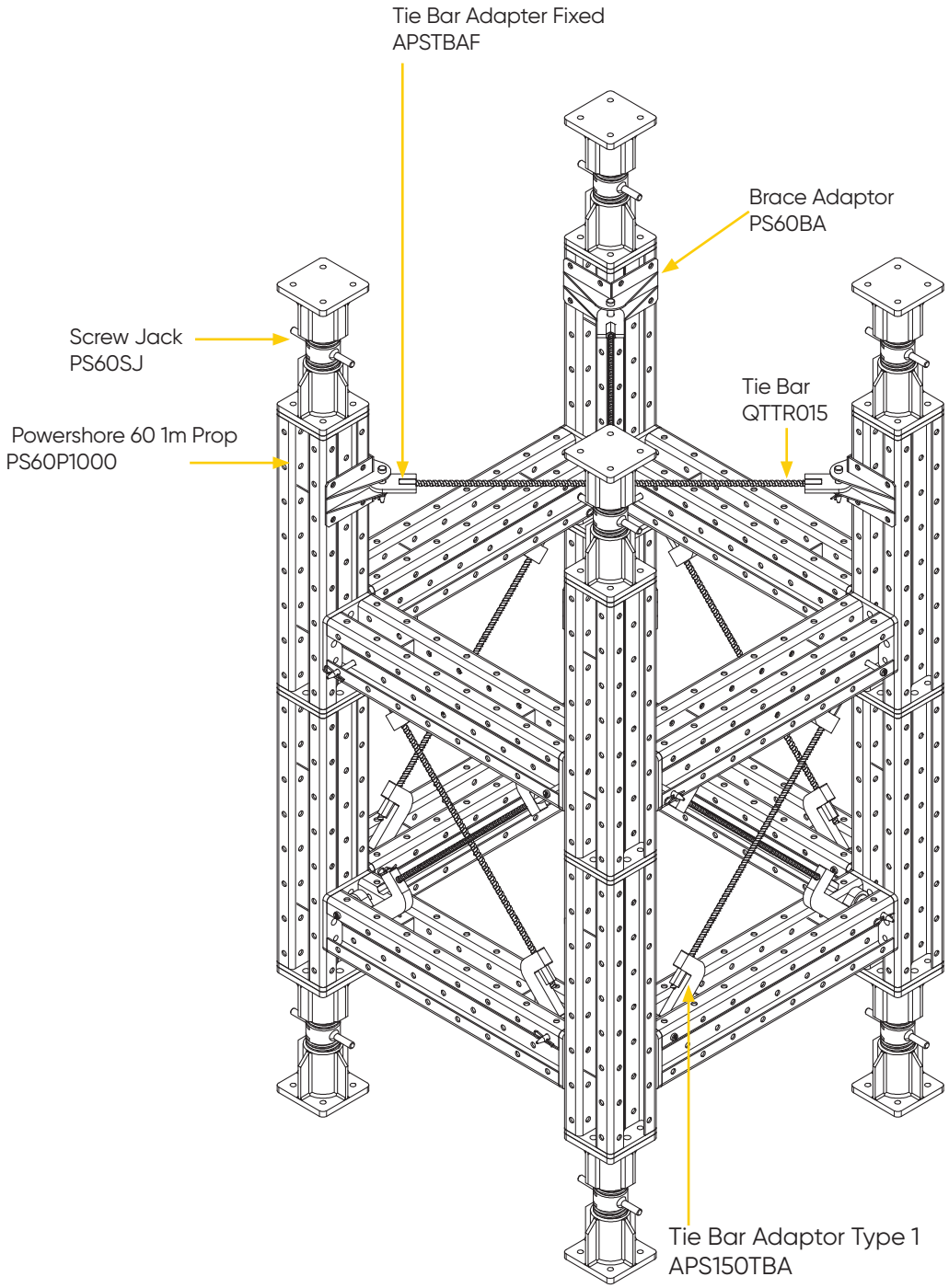
Corner Brace



5. ASSEMBLY DETAILS

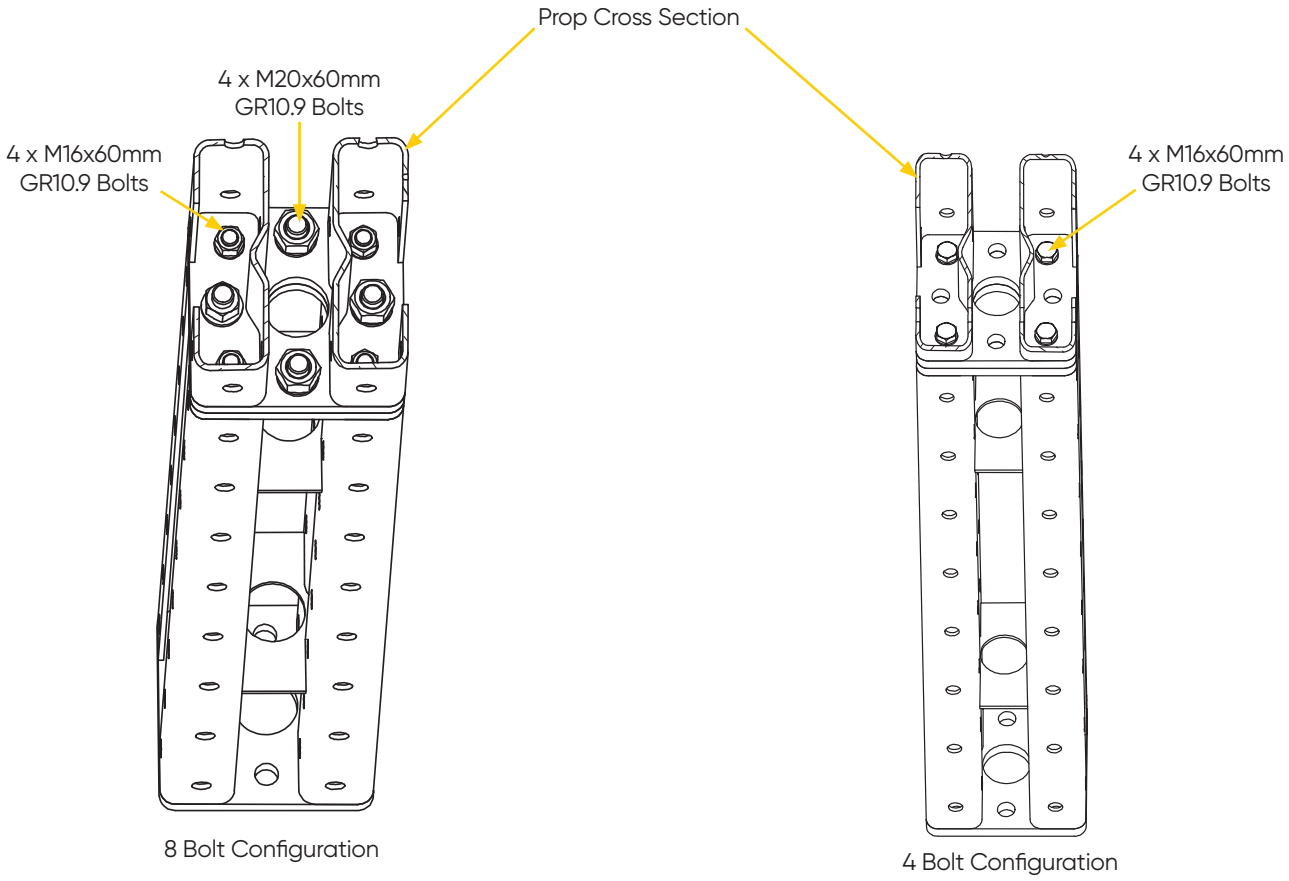
5. Assembly Details

Powershore 60 System Overview



5. Assembly Details

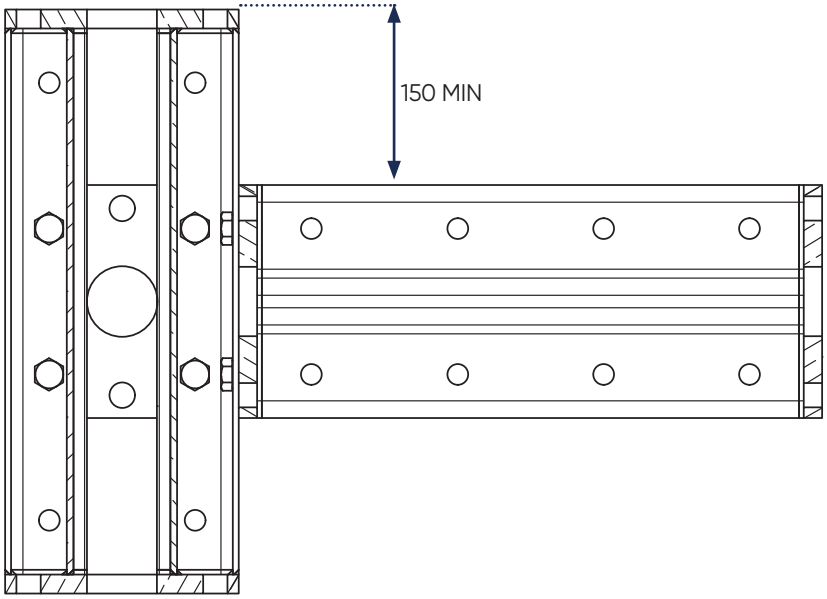
Vertical Prop to Prop Connection

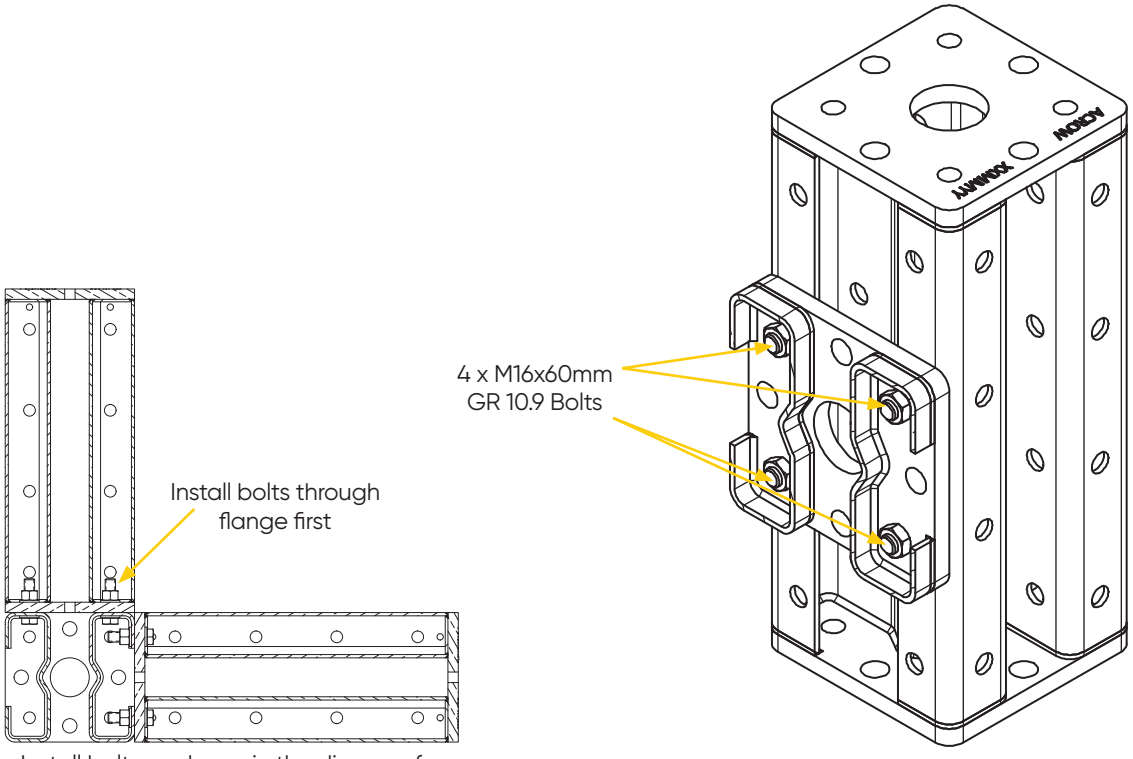


5. Assembly Details

Horizontal Prop to Vertical Prop Connection

Powershore 60 props can be bolted directly to one another to form horizontal bracing for the system. 4 x M16x45mm GR10.9 bolts are used to secure these props at each end. The M16 bolts are installed through the 4 x Ø18 holes located at the prop end's corners. The bolts can be installed through either the lips or flanges of the vertical prop. These are secured using four opposing nuts located on the inner side wall. Maintain a minimum clearance of one bolt hole from the prop end plate when forming connections to side walls.

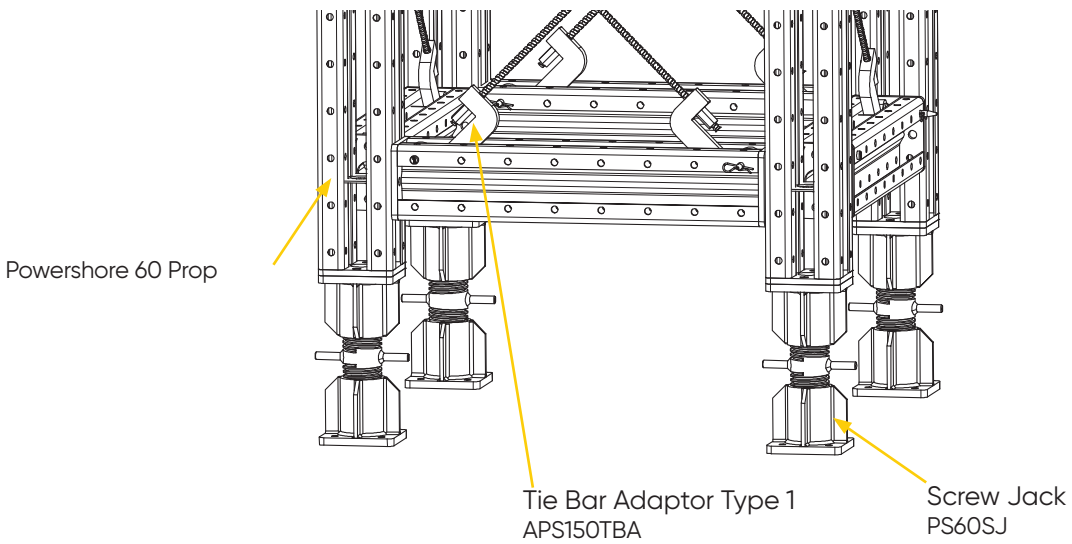


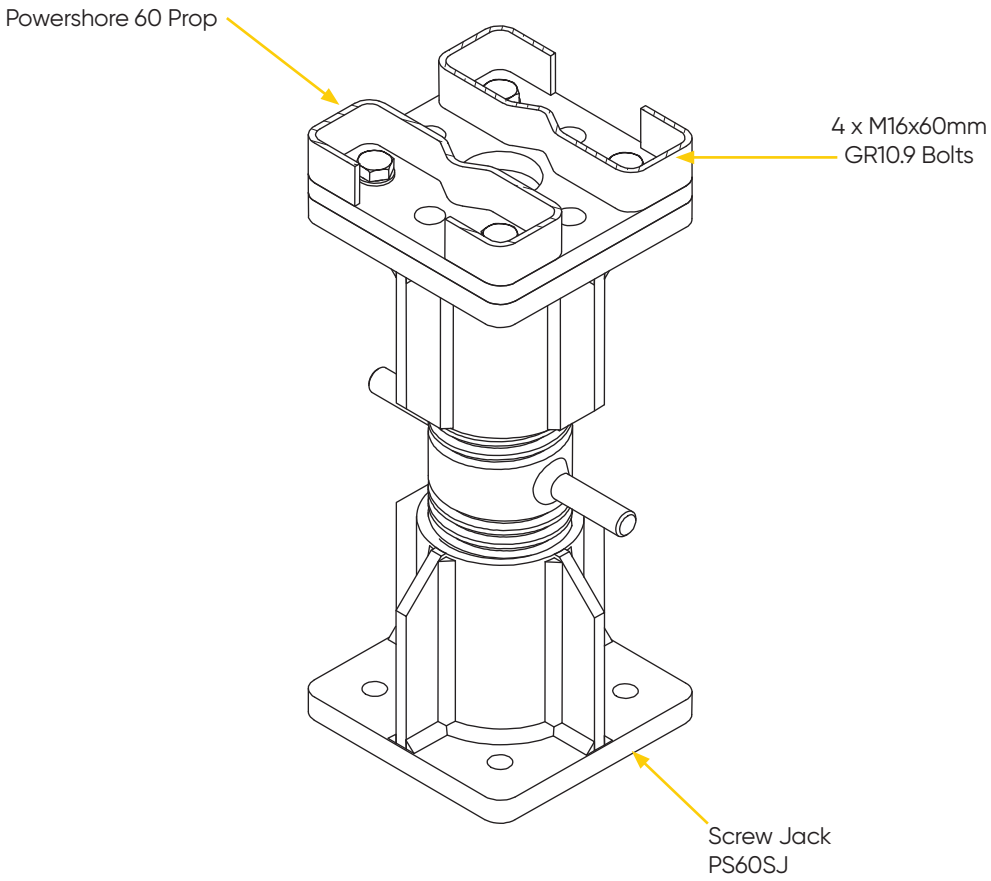


Install bolts as shown in the diagram for 90° connections

5. Assembly Details

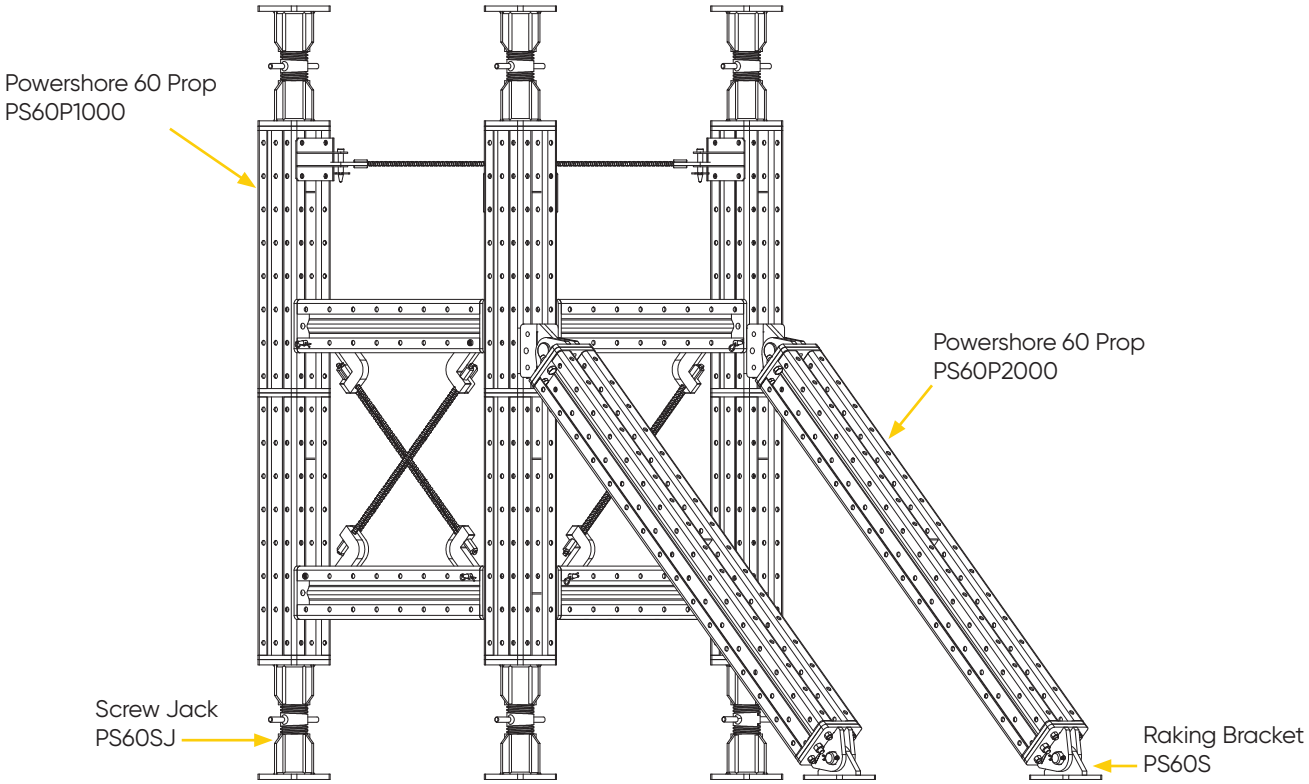
Screw Jack Assembly

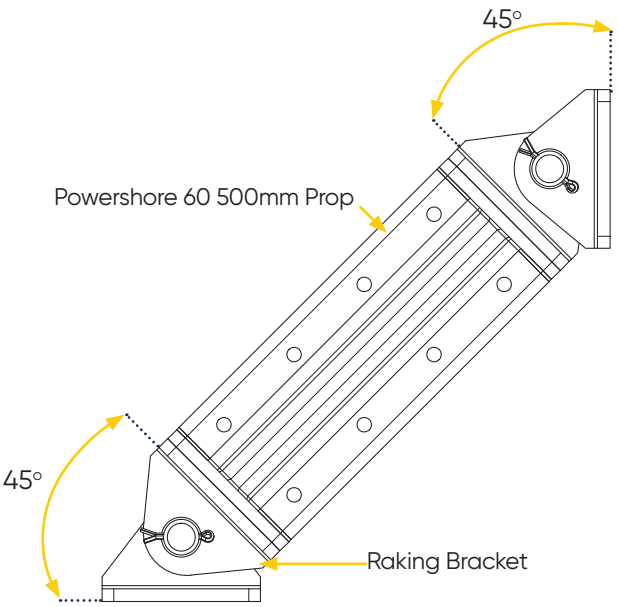


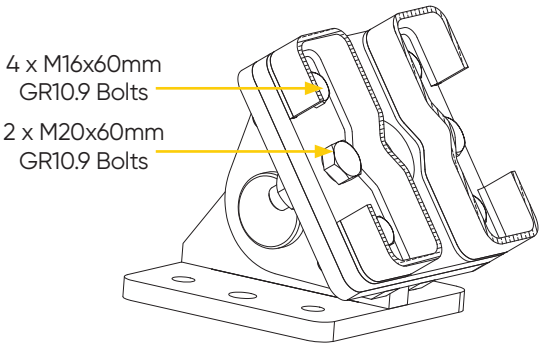


5. Assembly Details

Raking Bracket

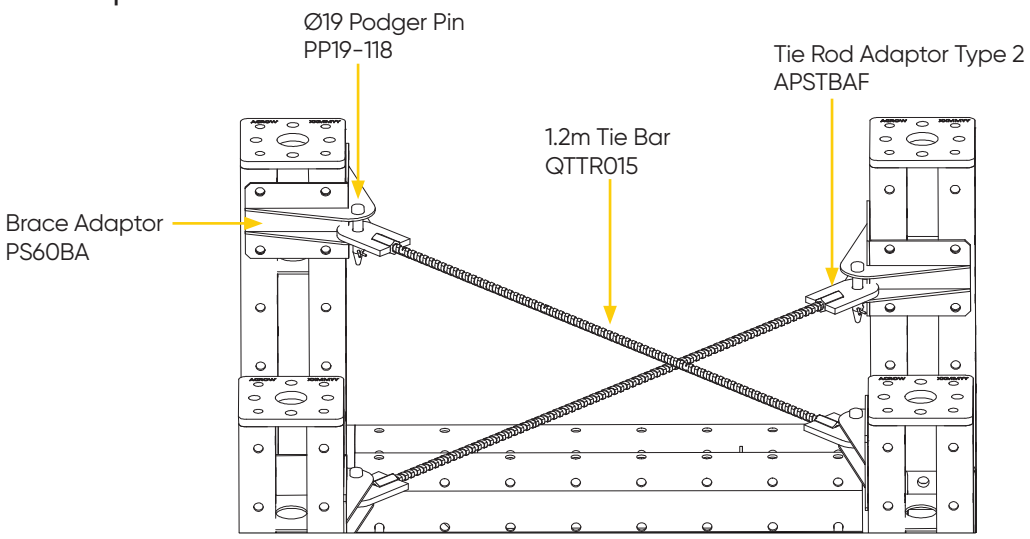


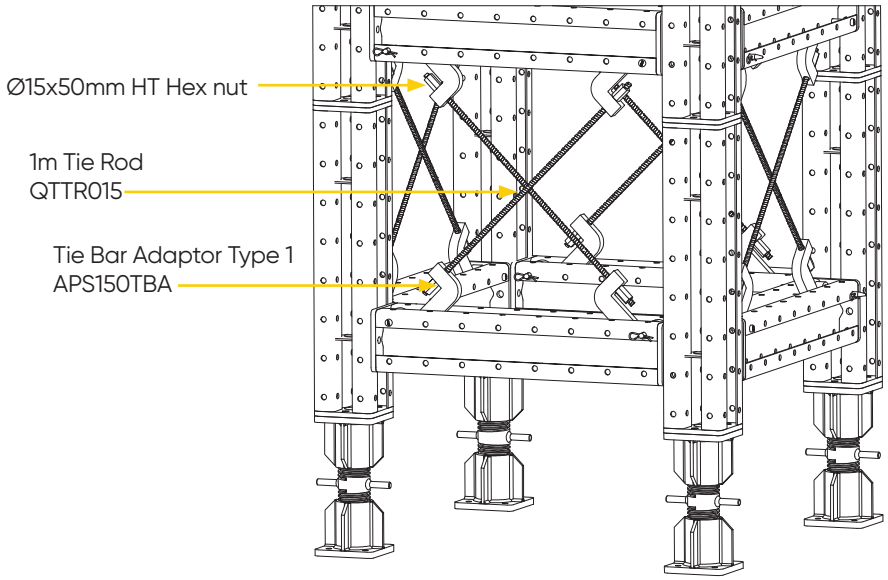


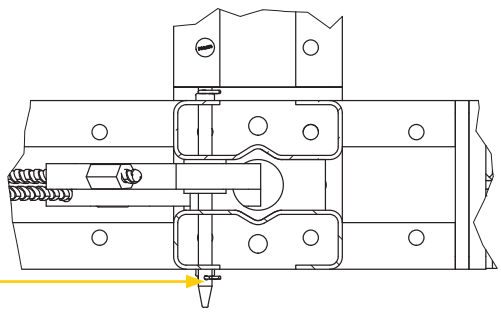


5. Assembly Details

Brace Adaptors



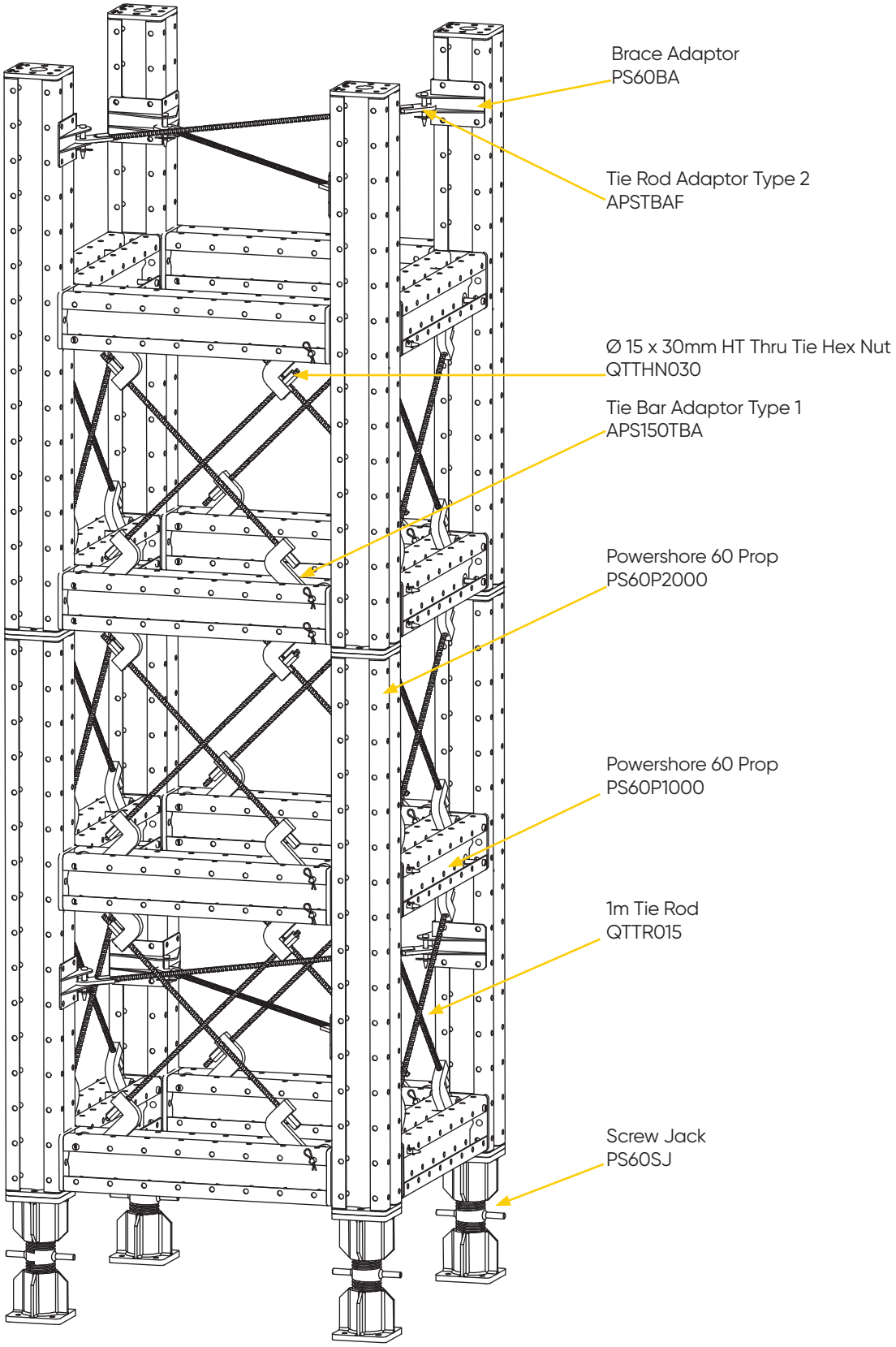




Podger Pin Ø16x253mm LG is slotted through prop lip and tie bar Adaptor type 1 and retained using 'R' clips

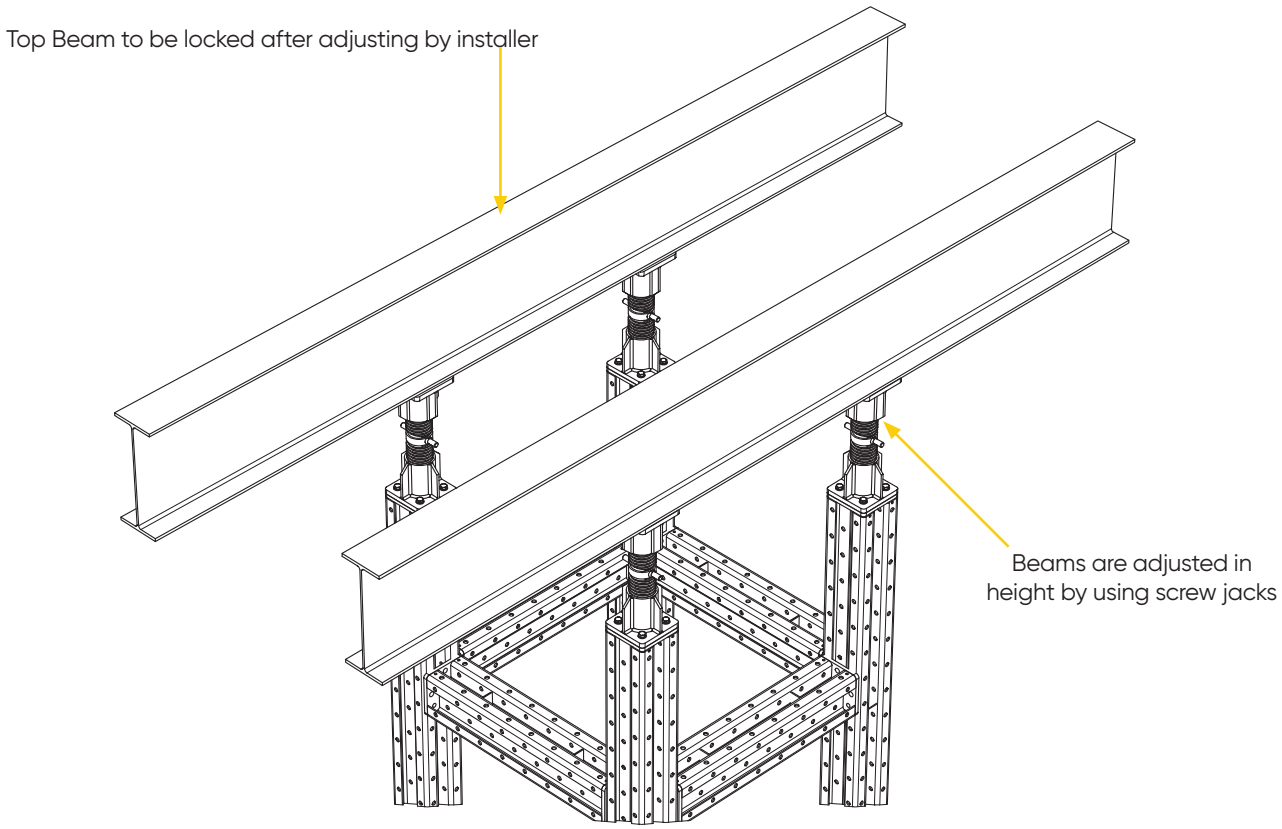
5. Assembly Details

4 Metre Tower Setup



5. Assembly Details

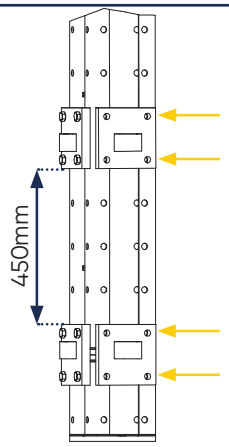
Bracing Setup Example



5. Assembly Details

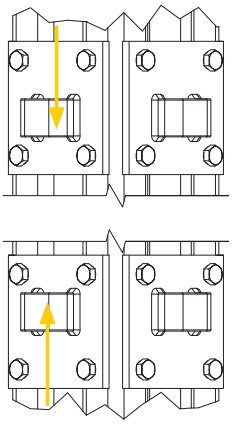
PS60-30 Tower Construction

1.



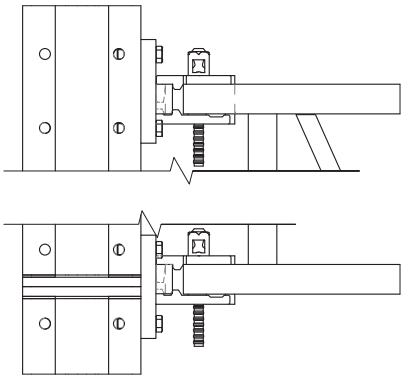
4x M16x45mm GR10.9 bolts are installed at each Gate Adaptor corner, plates are spaced apart by 450mm. Ensure Adaptors are installed as shown.

2.



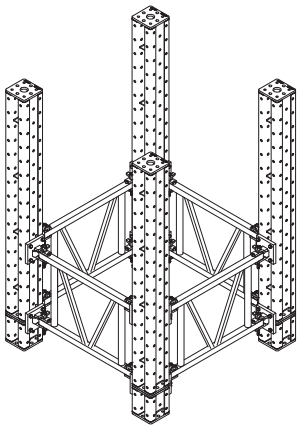
Orient Gate Adaptors with the shorter sides facing each other.

3.



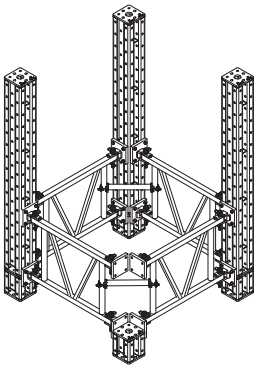
Secure PS30 Horizontal Brace jaws to the adaptor mounting plate.

4.



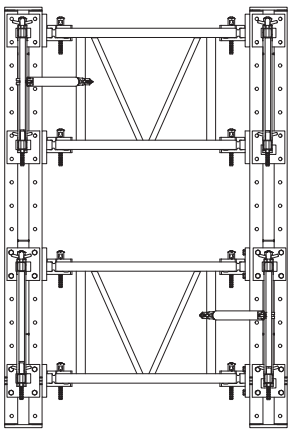
Install gates between each vertical prop.

5.



Corner braces are installed on opposing corners to the Horizontal Brace's circular hollow section.

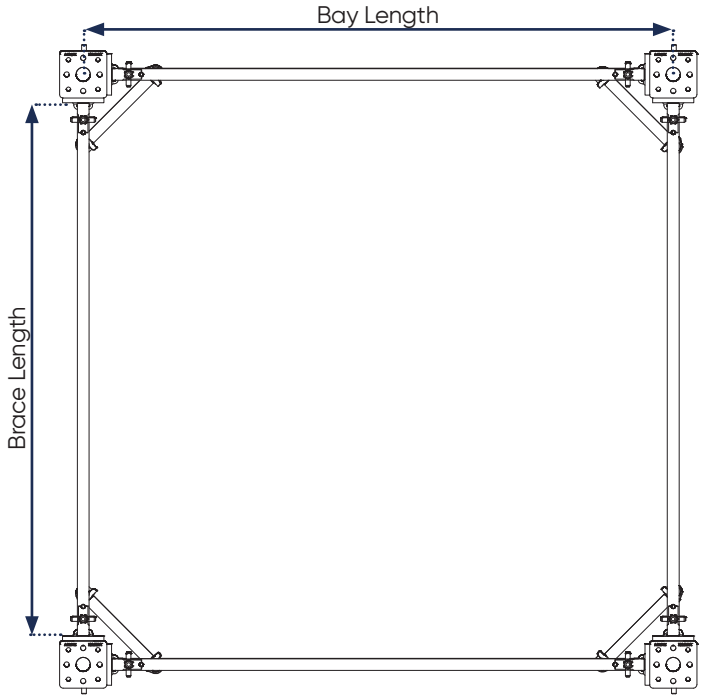
6.



Corner braces should alternate corners for each level of bracing.

5. Assembly Details

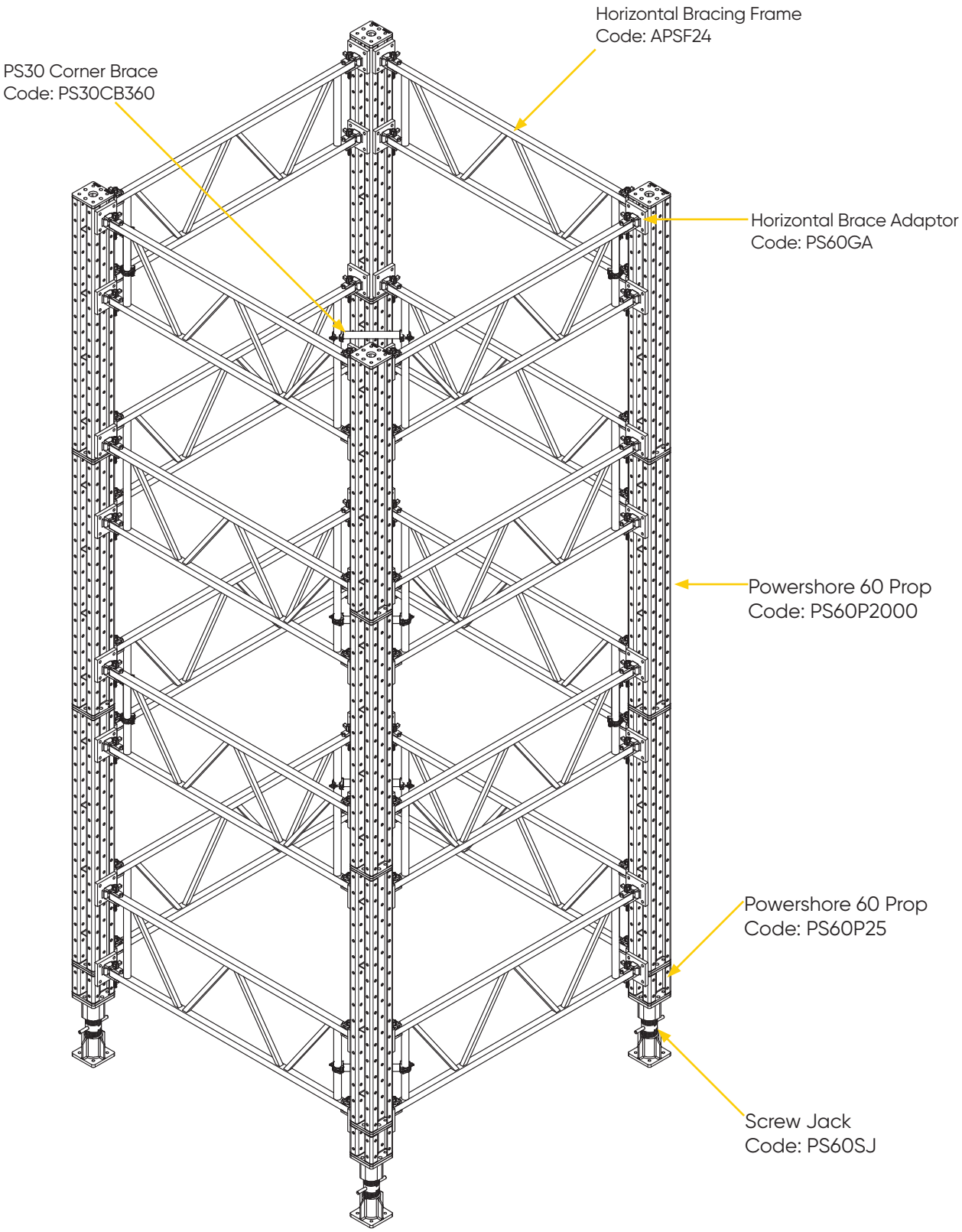
PS60-30 Tower Dimensions



Brace Length (mm)	Bay Length (mm)
900	1000
1200	1300
1800	1900
2400	2500
3000	3100

5. Assembly Details

PS60-30 6m Tower Setup

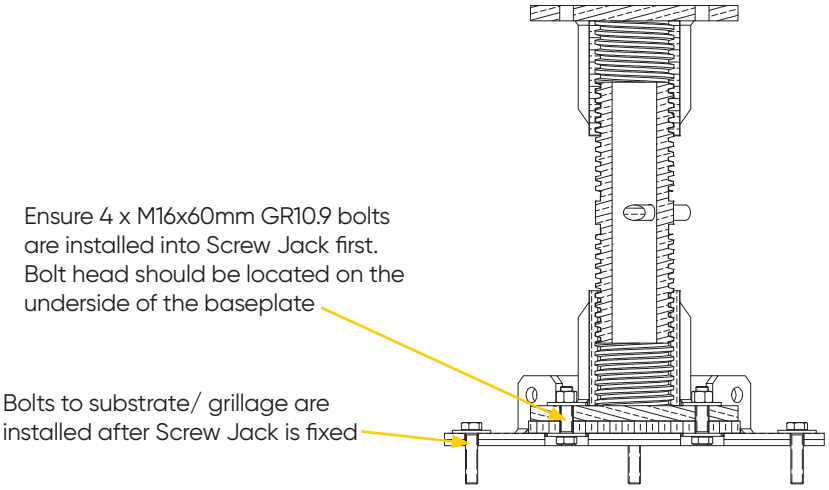


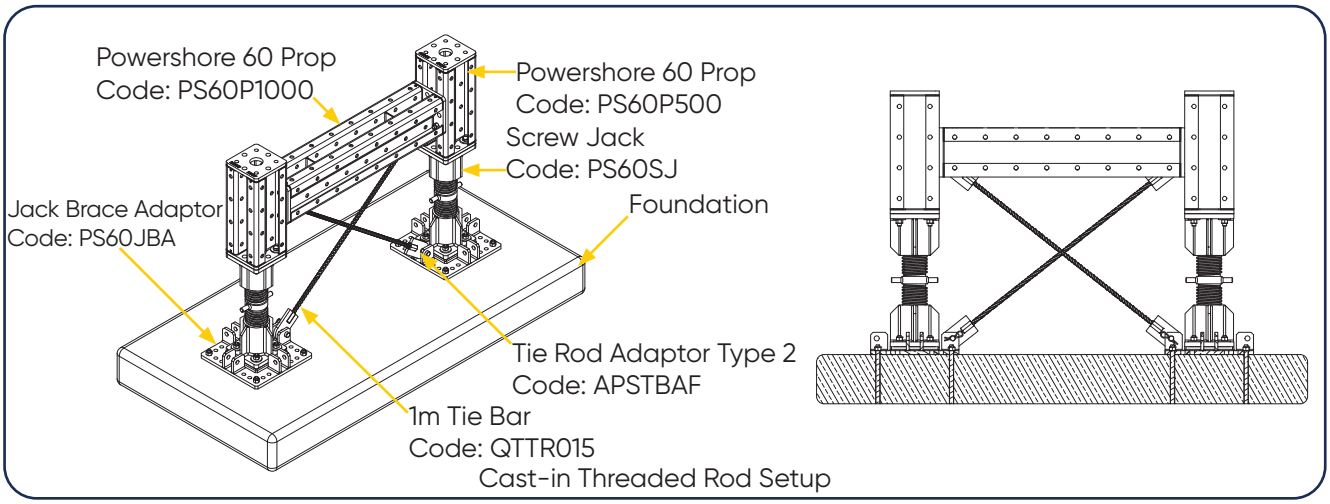
acrow. ENGINEERING & CONSTRUCTION

5. Assembly Details

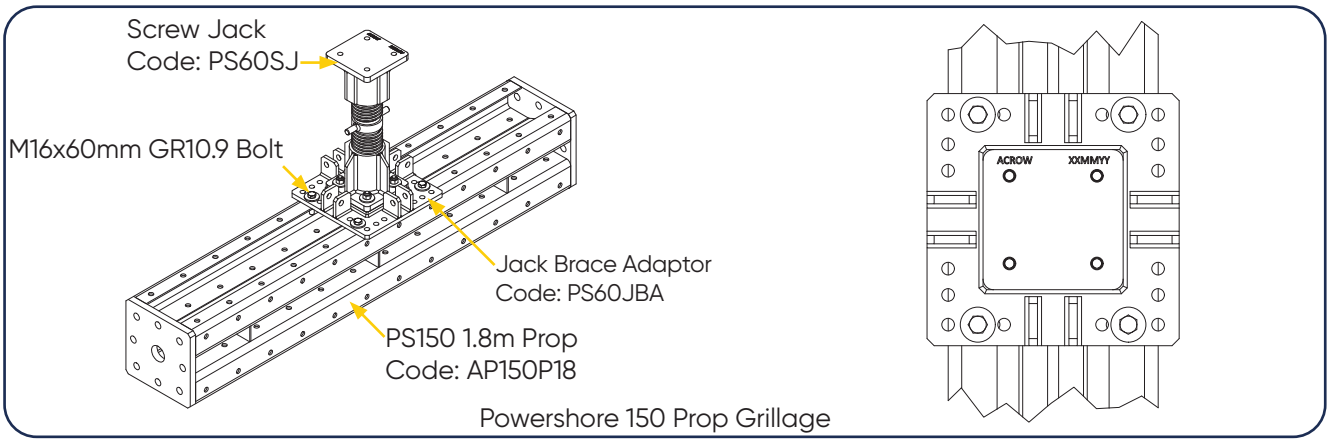
Jack Brace Adaptor Setup

The Jack Brace Adaptor allows Screw Jacks to be installed directly to a substrate. The Screw Jack must be installed first to maintain access to the 4 x bolt holes on the underside of the base plate, 4 x GR 8.8 M24 x 100mm bolts must be used to couple these components. The Jack Brace Adaptor can then be connected to the grillage or substrate and Tie Bar Adaptors (Type 1 or 2 can be installed as determined by the required angle) and can be secured using Ø19 Podger Pins.





Cast-in Threaded Rod Setup



Powershore 150 Prop Grillage

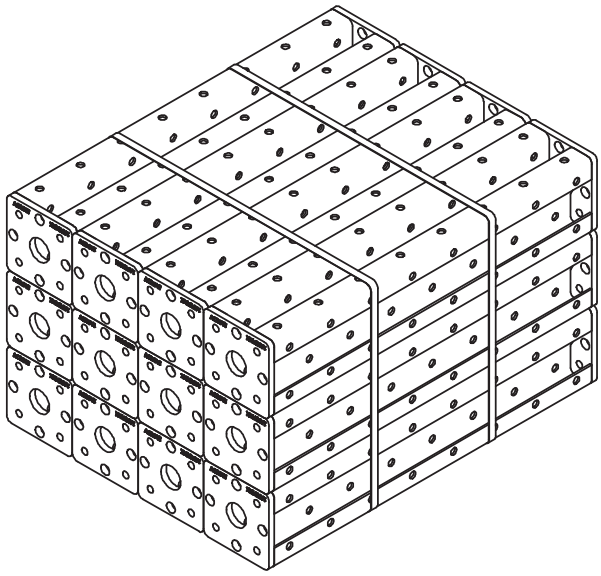
6. TRANSPORT & HANDLING

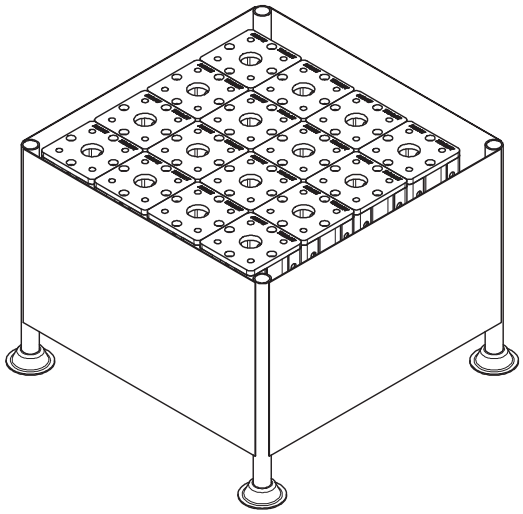
6. Transport & Handling

Powershore 60 Props

The Acrow stillage is used to store a set number of items per stillage. Items should be stored in a particular way to prevent them from falling off the stillage.
The recommended method and process is:

- Stack items next to and on top of each other.
- Only pack and stack similar matching lengths per stillage. Do not mix different sizes or types in one stillage.
- Ensure every stillage load does not exceed the advised table below.
- Secure assembled items onto stillage by using at least two straps or plastic wrapped for enclosed stillages (two straps for enclosed stillage not applicable).
- Refer to Acrow Scaffold Stillage Transport and Manual Handling Document for further stacking and transport recommendations.





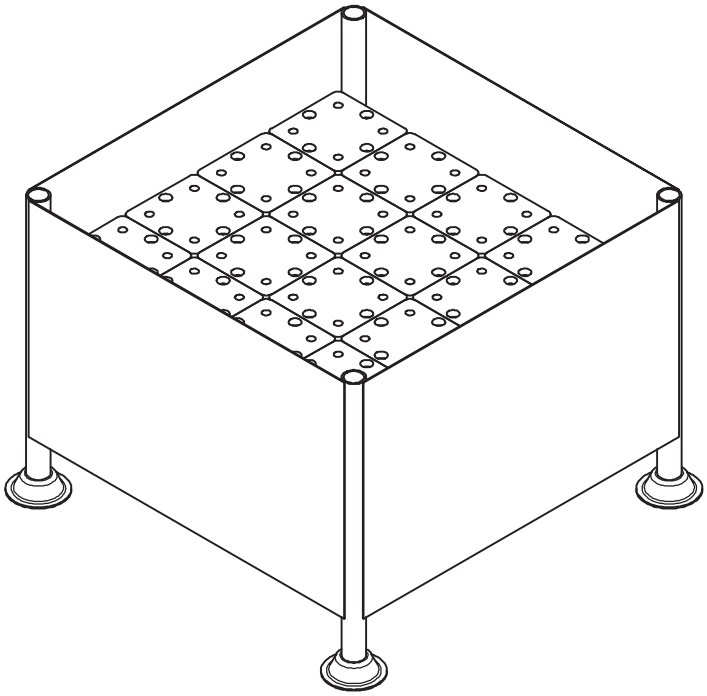
DESCRIPTION	UNIT MASS (KG)	QTY PER STILLAGE	TOTAL MASS PER STILLAGE (KG)	Acrow STILLAGE TYPE
25mm	6.8	128	870.4	Enclosed Spegal
125mm	11.6	64	742.4	Enclosed Spegal
250mm	15.5	32	496	Enclosed Spegal
500mm	23.4	16	374.4	Enclosed Spegal
1000mm	39.8	12	477.6	Bundle
2000mm	72.2	12	866.4	Bundle

6. Transport & Handling

Powershore 60 Jacks

The Acrow stillage is used to store a set number of items per stillage. Items should be stored in a particular way to prevent them from falling off the stillage.
The recommended method and process is:

- Stack items next to and on top of each other.
- Only pack and stack similar matching lengths per stillage. Do not mix different sizes or types in one stillage.
- Ensure every stillage load does not exceed the advised table below.
- Secure assembled items onto stillage by using at least two straps or plastic wrapped for enclosed stillages (two straps for enclosed stillage not applicable).
- Refer to Acrow Scaffold Stillage Transport and Manual Handling Document for further stacking and transport recommendations.



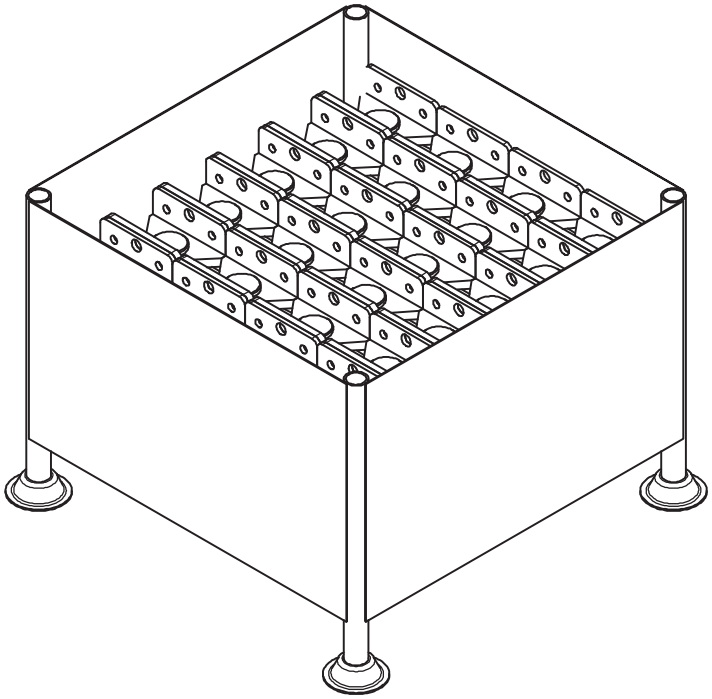
DESCRIPTION	UNIT MASS (KG)	QTY PER STILLAGE	TOTAL MASS PER STILLAGE (KG)	Acrow STILLAGE TYPE
Screw Jack	37.1	16	593.6	Enclosed Spegal

6. Transport & Handling

Powershore 60 Raking Bracket

The Acrow stillage is used to store a set number of items per stillage. Items should be stored in a particular way to prevent them from falling off the stillage.
The recommended method and process is:

- Stack items next to and on top of each other.
- Only pack and stack similar matching lengths per stillage. Do not mix different sizes or types in one stillage.
- Ensure every stillage load does not exceed the advised table below.
- Secure assembled items onto stillage by using at least two straps or plastic wrapped for enclosed stillages (two straps for enclosed stillage not applicable).
- Refer to Acrow Scaffold Stillage Transport and Manual Handling Document for further stacking and transport recommendations.



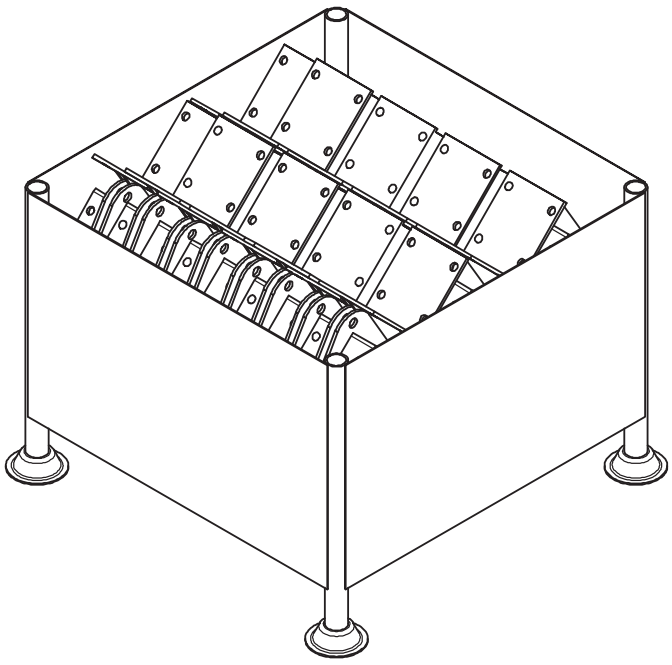
DESCRIPTION	UNIT MASS (KG)	QTY PER STILLAGE	TOTAL MASS PER STILLAGE (KG)	Acrow STILLAGE TYPE
Raking Bracket	17.6	48	844.8	Enclosed Spegal

6. Transport & Handling

Powershore 60 Adaptors

The Acrow stillage is used to store a set number of items per stillage. Items should be stored in a particular way to prevent them from falling off the stillage.
The recommended method and process is:

- Stack items next to and on top of each other.
- Only pack and stack similar matching lengths per stillage. Do not mix different sizes or types in one stillage.
- Ensure every stillage load does not exceed the advised table below.
- Secure assembled items onto stillage by using at least two straps or plastic wrapped for enclosed stillages (two straps for enclosed stillage not applicable).
- Refer to Acrow Scaffold Stillage Transport and Manual Handling Document for further stacking and transport recommendations.



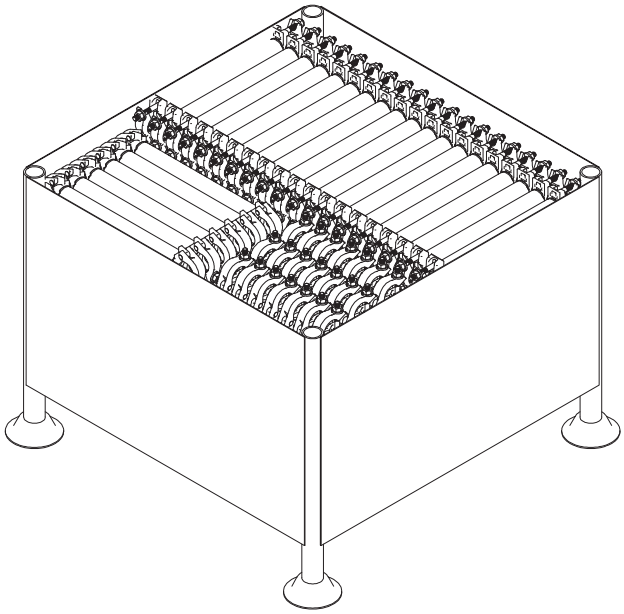
DESCRIPTION	UNIT MASS (KG)	QTY PER STILLAGE	TOTAL MASS PER STILLAGE (KG)	Acrow STILLAGE TYPE
Brace Adaptor	3.5	160	560	Enclosed Spegal
Tie Bar Adaptor Type 1	5.1	100	510	MEP
Tie Bar Adaptor Type 2	4.8	100	480	MEP
Tie Bar Adaptor Fixed	1.0	300	300	MEP

6. Transport & Handling

Powershore 30 Adaptors

The Acrow stillage is used to store a set number of items per stillage. Items should be stored in a particular way to prevent them from falling off the stillage.
The recommended method and process is:

- Stack items next to and on top of each other.
- Only pack and stack similar matching lengths per stillage. Do not mix different sizes or types in one stillage.
- Ensure every stillage load does not exceed the advised table below.
- Secure assembled items onto stillage by using at least two straps or plastic wrapped for enclosed stillages (two straps for enclosed stillage not applicable).
- Refer to Acrow Scaffold Stillage Transport and Manual Handling Document for further stacking and transport recommendations.



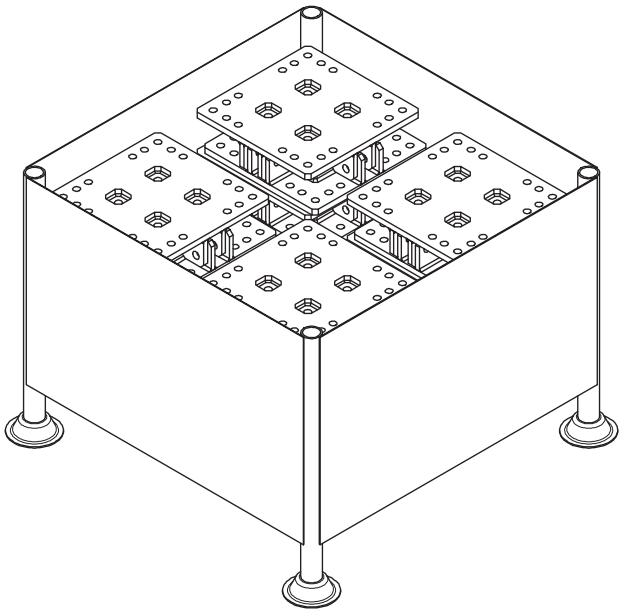
DESCRIPTION	UNIT MASS (KG)	QTY PER STILLAGE	TOTAL MASS PER STILLAGE (KG)	Acrow STILLAGE TYPE
Corner Brace	2.5	221	562.4	Enclosed Spegal
Gate Adaptor	5.2	192	998.4	Enclosed Spegal

6. Transport & Handling

Jack Brace Adaptor

The Acrow stillage is used to store a set number of items per stillage. Items should be stored in a particular way to prevent them from falling off the stillage.
The recommended method and process is:

- Stack items next to and on top of each other.
- Only pack and stack similar matching lengths per stillage. Do not mix different sizes or types in one stillage.
- Ensure every stillage load does not exceed the advised table below.
- Secure assembled items onto stillage by using at least two straps or plastic wrapped for enclosed stillages (two straps for enclosed stillage not applicable).
- Refer to Acrow Scaffold Stillage Transport and Manual Handling Document for further stacking and transport recommendations.

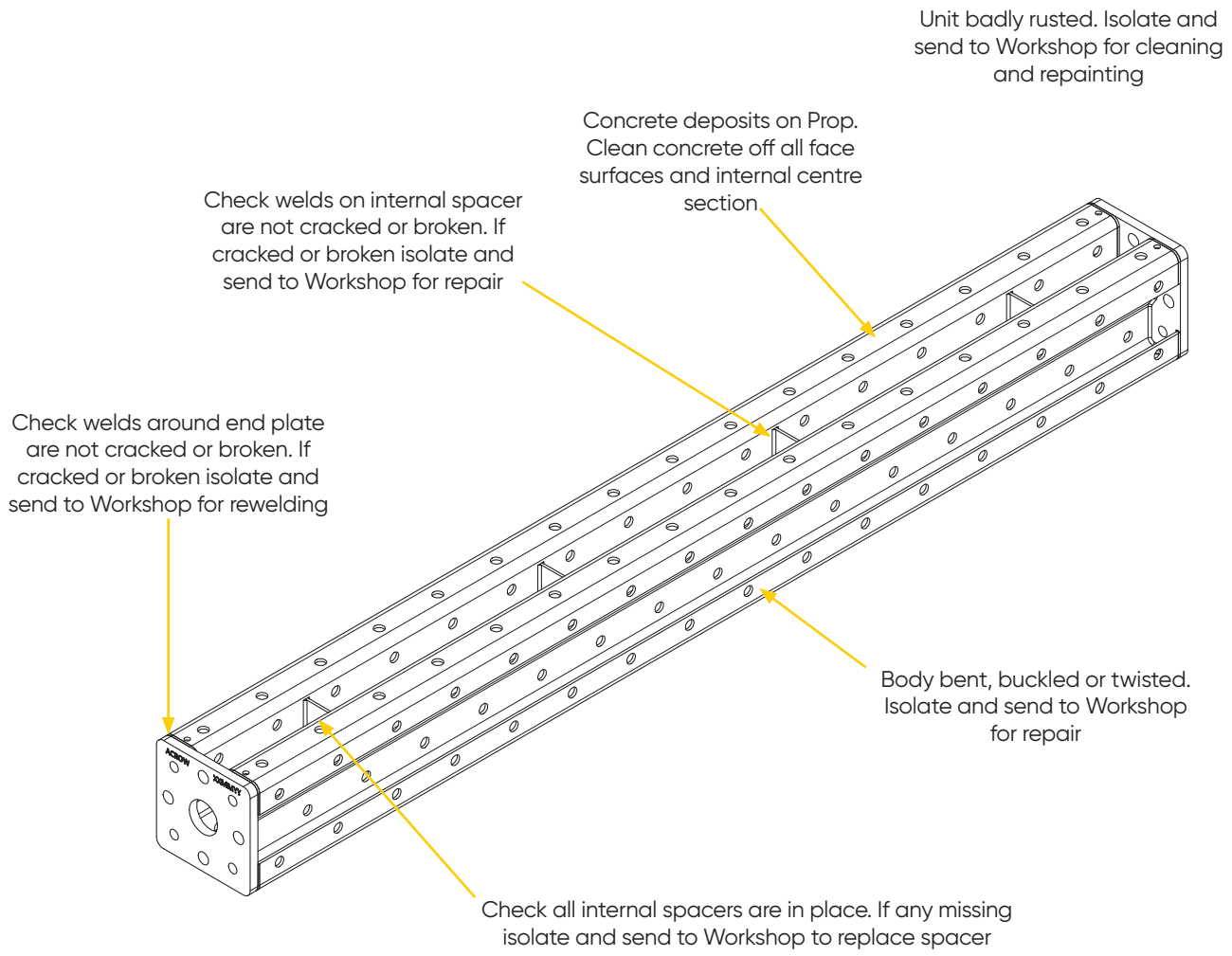


DESCRIPTION	UNIT MASS (KG)	QTY PER STILLAGE	TOTAL MASS PER STILLAGE (KG)	Acrow STILLAGE TYPE
Jack Brace Adaptor	23.3	32	745.8	Enclosed Spegal

7. MAINTENANCE & INSPECTION

7. Maintenance & Inspection

Props



7. Maintenance & Inspection

Prop Inspection

NAME: ..... CHECKED DATE: .....

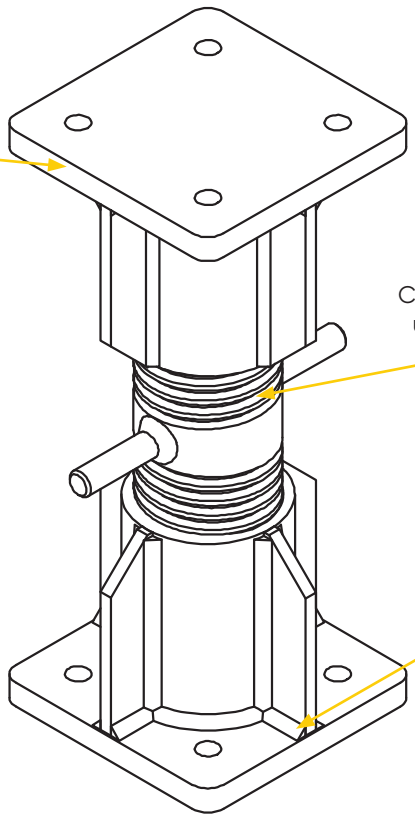
Generally, visual inspection checking for the possible faults listed below. Please tick or cross the checked box.

POSSIBLE FAULTS	DAMAGE LIMITS FOR REPAIR	RECOMMENDED ACTION	CHECKED
Body bent, buckled or twisted	Prop must be straight with no twists or buckles	Straighten on flypress and/or panel beat to remove buckle. If twisted unit must be scrapped. Units with a damaged end may be cut back to smaller size. See Work Instruction "Converting to smaller size"	
Internal spacer missing	All spacers must be in place	Replace by welding on new spacer	
Cracked or broken weld on spacer	No broken or cracked welds permitted	Grind back and reweld* (* See WI –GE-103)	
Cracked or broken weld around end plate	No broken or cracked welds permitted	Grind back and reweld* (* See WI –GE-103)	
Unit badly rusted	Severe rust may impact unit's strength, surface flatness, and appearance.	Clean and cold galvanise effected area	
Concrete deposits	Edges of Prop must be free of concrete deposits. End plates must also be free of concrete	Remove any deposits from edges and end plates and any deposits which will cause other problems	
Note: When re-welding cracked welds Work Instruction WI-GE-100 details must be followed			

Issues / Notes:

7. Maintenance & Inspection

Screw Jack



Screw Jack Inspection

NAME: ..... CHECKED DATE: .....

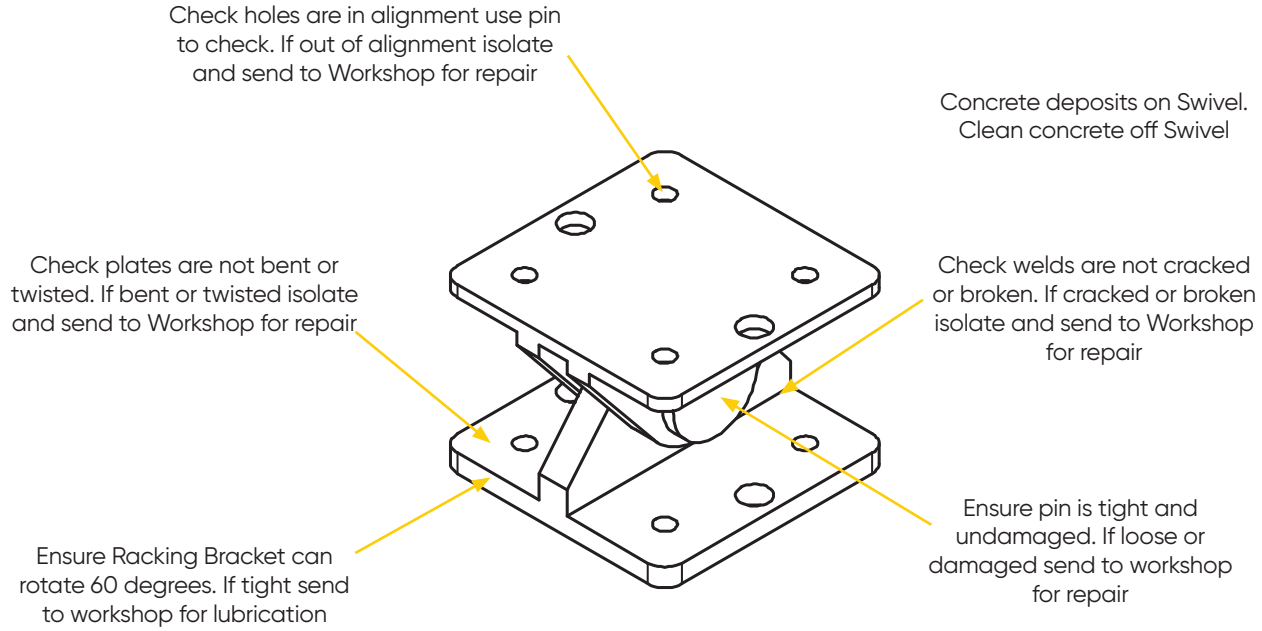
Generally, visual inspection checking for the possible faults listed below. Please tick or cross the checked box.

POSSIBLE FAULTS	DAMAGE LIMITS FOR REPAIR	RECOMMENDED ACTION	CHECKED
Base plate bent or twisted	Base plate must be straight and free of twist	Straighten if possible otherwise scrap* (*See WI-GE-103)	
Welds broken or cracked	All welds must be intact	Grind back & re-weld* (* See WI-GE-100)	
Shaft does not run freely	Shaft must run freely in both units	Find problem and rectify oil thread	
Concrete deposits on jack	Jack must be free of all concrete	Clean off all concrete with scraper or wire brush	
Note: When re-welding cracked welds Work Instruction WI-GE-100 details must be followed			

Issues / Notes:

7. Maintenance & Inspection

Raking Bracket



Raking Bracket Inspection

NAME: ..... CHECKED DATE: .....

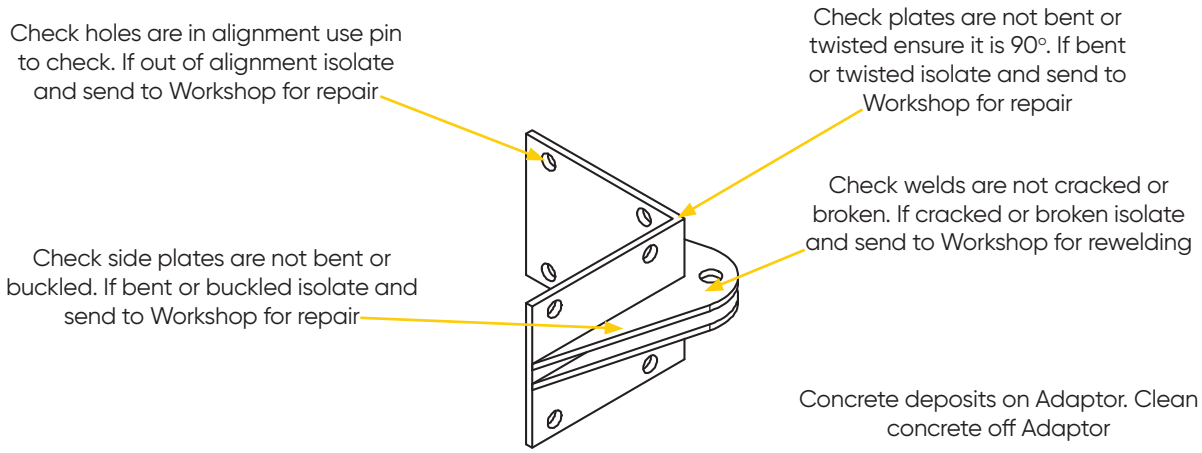
Generally, visual inspection checking for the possible faults listed below. Please tick or cross the checked box.

POSSIBLE FAULTS	DAMAGE LIMITS FOR REPAIR	RECOMMENDED ACTION	CHECKED
Holes are out of alignment	Holes must be in alignment	Find source of problem and rectify or re drill	
Concrete deposits on Bracket	Bracket must be free of all concrete	Clean off all concrete with scraper or wire brush	
Plates bent or twisted	Plates must be straight and free of twist	Straighten if possible otherwise scrap* (*See WI-GE-103)	
Welds broken or cracked	All welds must be intact	Grind back & re-weld* (* See WI-GE-100)	
Bracket pin is missing or damaged	Pin must be in place	Replace or fix pin	
Bracket cannot rotate 60 Degrees	Bracket must be able to move	Find issue and lubricate Axel	
Note: When re-welding cracked welds Work Instruction WI-GE-100 details must be followed			

Issues / Notes:

7. Maintenance & Inspection

Brace Adaptor



Brace Adaptor Inspection

NAME: ..... CHECKED DATE: .....

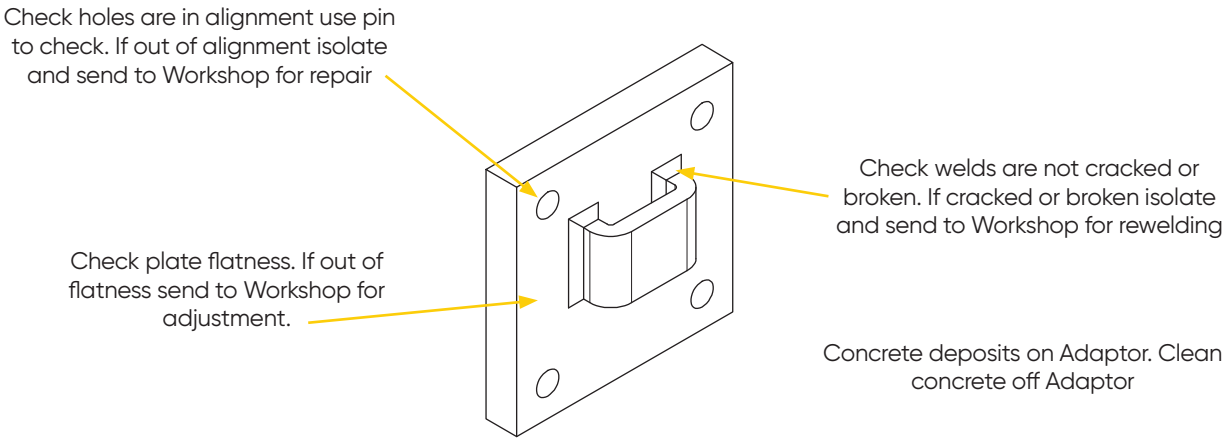
Generally, visual inspection checking for the possible faults listed below. Please tick or cross the checked box.

POSSIBLE FAULTS	DAMAGE LIMITS FOR REPAIR	RECOMMENDED ACTION	CHECKED
Side plates bent or buckled	Side plate must be straight and parallel	Straighten, if not possible then scrap	
Welds broken or cracked	All welds must be intact	Grind back & reweld	
Plate bent or buckled	Plate must be 90 Degrees	Straighten, if not possible then scrap	
Concrete deposits on Adaptor	Adaptor must be free of all concrete	Clean off all concrete with scraper, chisel or wire brush	
Holes are out of alignment	Holes must be in alignment	Find source of problem and rectify or re drill	
Note: When re-welding cracked welds Work Instruction WI-GE-100 details must be followed			

Issues / Notes:

7. Maintenance & Inspection

Gate Adaptor



Gate Adaptor Inspection

NAME: ..... CHECKED DATE: .....

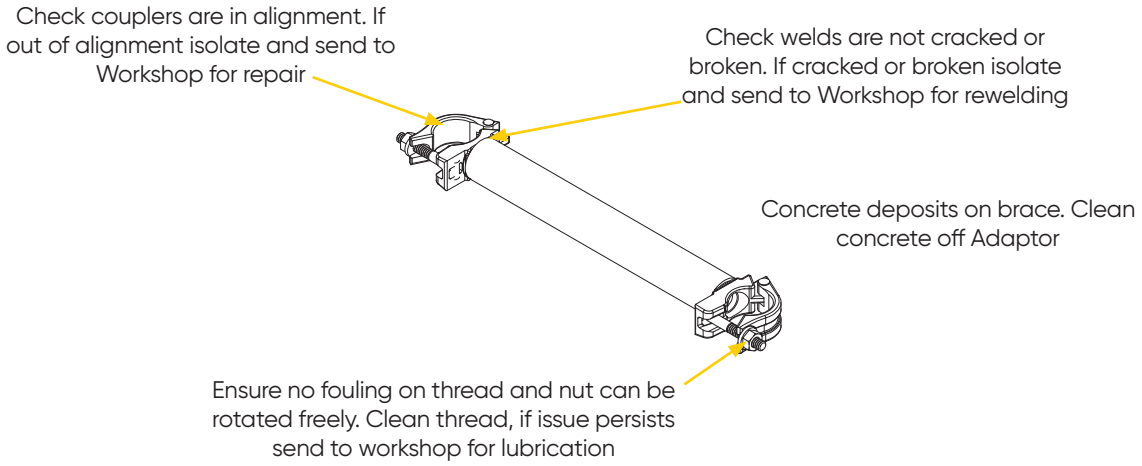
Generally, visual inspection checking for the possible faults listed below. Please tick or cross the checked box.

POSSIBLE FAULTS	DAMAGE LIMITS FOR REPAIR	RECOMMENDED ACTION	CHECKED
Welds broken or cracked	All welds must be intact	Grind back & reweld	
Plate bent or buckled	Plate must be flat	Straighten, if not possible then scrap	
Concrete deposits on Adaptor	Adaptor must be free of all concrete	Clean off all concrete with scraper, chisel or wire brush	
Holes are out of alignment	Holes must be in alignment	Find source of problem and rectify or re drill	
Note: When re-welding cracked welds Work Instruction WI-GE-100 details must be followed			

Issues / Notes:

7. Maintenance & Inspection

Corner Brace



Corner Brace Inspection

NAME: ..... CHECKED DATE: .....

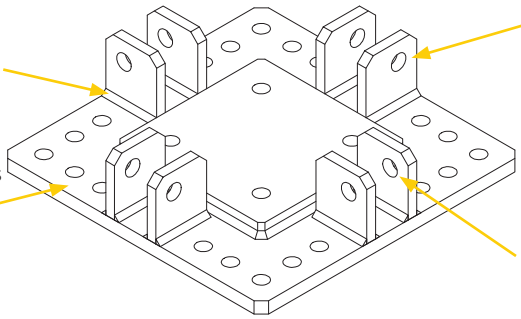
Generally, visual inspection checking for the possible faults listed below. Please tick or cross the checked box.

POSSIBLE FAULTS	DAMAGE LIMITS FOR REPAIR	RECOMMENDED ACTION	CHECKED
CHS bent or buckled	Tube must be straight and parallel	Straighten, if not possible then scrap	
Welds broken or cracked	All welds must be intact	Grind back & reweld	
Concrete deposits on Brace	Brace must be free of all concrete	Clean off all concrete with scraper, chisel or wire brush	
Couplers are out of alignment	Couplers must be in alignment	Find source of problem and rectify	
Note: When re-welding cracked welds Work Instruction WI-GE-100 details must be followed			

Issues / Notes:

7. Maintenance & Inspection

Jack Brace Adaptor



Jack Brace Adaptor Inspection

NAME: ..... CHECKED DATE: .....

Generally, visual inspection checking for the possible faults listed below. Please tick or cross the checked box.

POSSIBLE FAULTS	DAMAGE LIMITS FOR REPAIR	RECOMMENDED ACTION	CHECKED
Welds broken or cracked	All welds must be intact	Grind back & reweld	
Concrete deposits on Brace	Brace must be free of all concrete	Clean off all concrete with scraper, chisel or wire brush	
Plate bent or buckled	Plate must be flat	Straighten, if not possible then scrap	
Side plates bent or buckled	Side plate must be straight and parallel	Straighten, if not possible then scrap	
Holes are out of alignment	Holes must be in alignment	Find source of problem and rectify or re drill	
Note: When re-welding cracked welds Work Instruction WI-GE-100 details must be followed			

Issues / Notes:

LOCATIONS

NEW SOUTH WALES

National Head Office
Formwork & Scaffold
2a Mavis Street
Revesby NSW 2212
P: 02 9780 6500
F: 02 9780 6499
E: info@acrow.com.au

Sydney
Screens Head Office
13-15 Vallance Street
St Marys NSW 2760
P: 02 9219 1566

Sydney
Above Scaffolding NSW
Unit 8, 303 Pacific Highway
Lindfield NSW 2070
P: 1300 30 15 20

Regional NSW
Industrial Access
34-35 Enterprise Crescent
Muswellbrook NSW 2333
P: 02 6540 9300

VICTORIA

Melbourne
Formwork, Scaffold & Screens
1651-1657 Centre Road
Springvale VIC 3171
P: 03 9582 2777
F: 03 9582 2790

QUEENSLAND

Brisbane
Formwork & Scaffold
280 Bilsen Road
Geebung QLD 4034
P: 07 3265 2266
F: 07 3865 0277

Stapylton
Screens & Formwork
14 Proximity Place
Stapylton, QLD 4207
P: 07 3865 0208

Stapylton
Industrial Scaffold
7 Proximity Place
Stapylton, QLD 4207
P: 07 3442 4000

Beenleigh
Industrial Scaffold
22a Spanns Road
Beenleigh QLD 4207
P: 07 3442 4000

Gladstone
Industrial Scaffold
86A Callemondah Drive
Gladstone QLD 4680
P: 07 4899 2900

Mackay
MI Scaffold Access & Rigging +
ATEC Training Centre
25-29 Production Drive
Paget QLD 4740
P: 07 4952 1966

Townsville
Industrial Scaffold
148-152 Webb Drive
Mount St John QLD 4818
P: 1300 11 22 47

SOUTH AUSTRALIA

Adelaide
Formwork & Scaffold
U1/Lot 403 Hanson Road
Dry Creek SA 5094
P: 08 8359 9700
F: 08 8359 1366

WESTERN AUSTRALIA

Perth
Formwork & Scaffold
11 Jackson Street
Bassendean WA 6054
P: 08 9373 7200
F: 08 9379 3488

TASMANIA

Hobart
Formwork & Scaffold
93 Lampton Avenue
Moonah TAS 7009
P: 03 6277 1212
F: 03 6277 1290

Launceston
Formwork & Scaffold
65 Boland Street
Launceston TAS 7250
P: 03 6324 8282
F: 03 6324 8250

acrow.

ENGINEERING & CONSTRUCTION

Contact

Phone: 1300 138 362

www.acrow.com.au