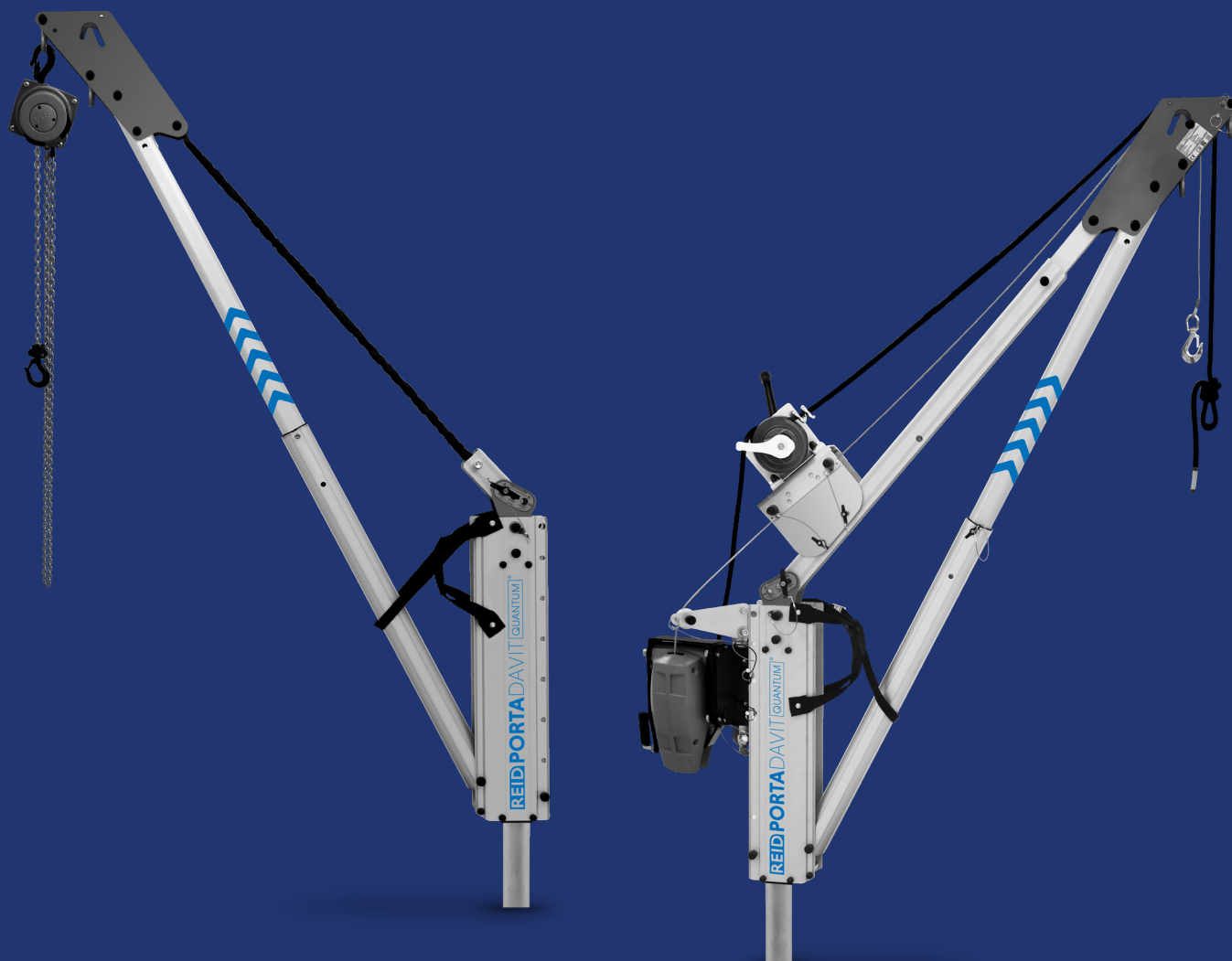
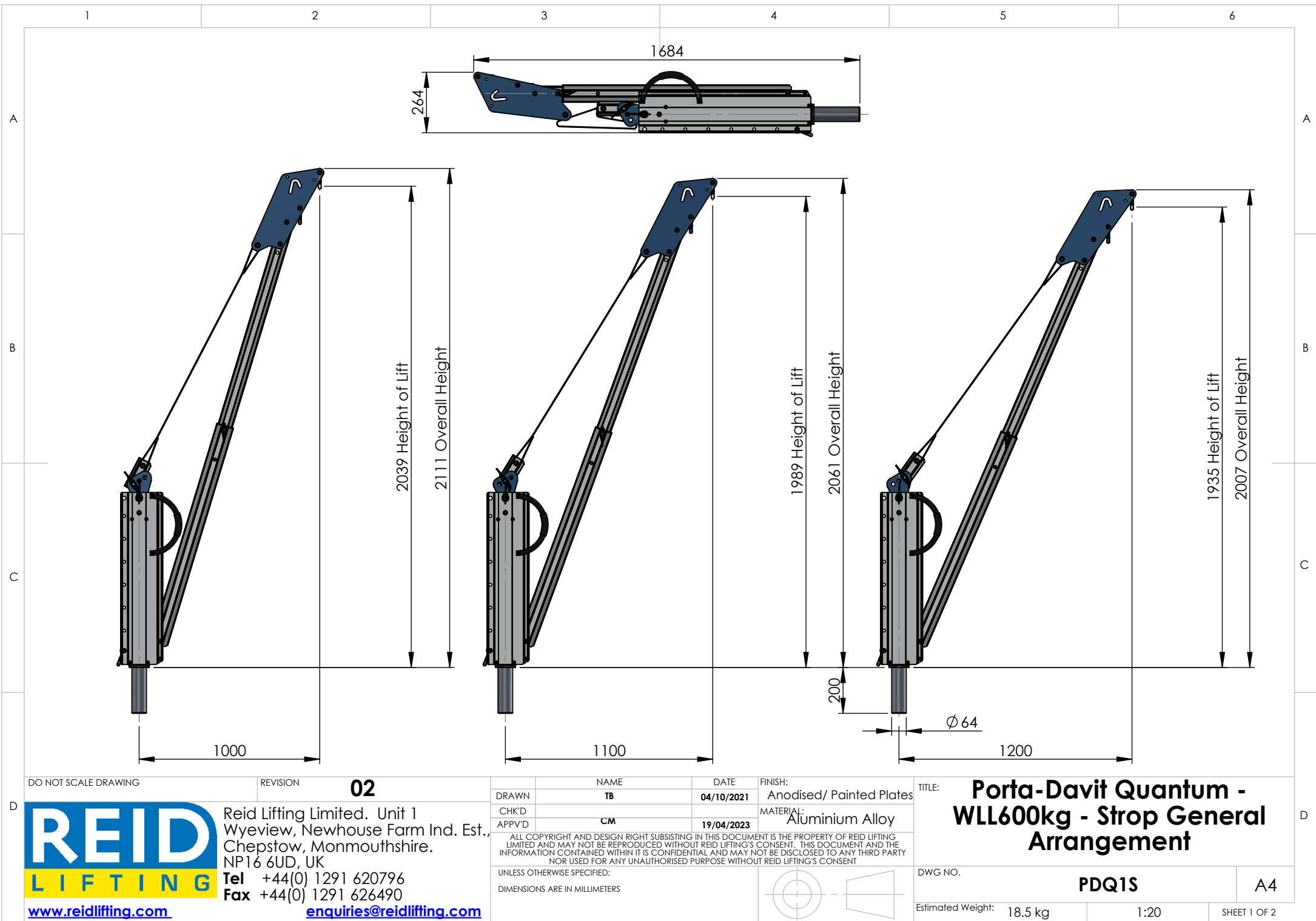




TECHNICAL DATASHEETS

PORTA DAVIT QUANTUM[®]

[REIDLIFTING.COM](https://www.reidlifting.com)



General Specification

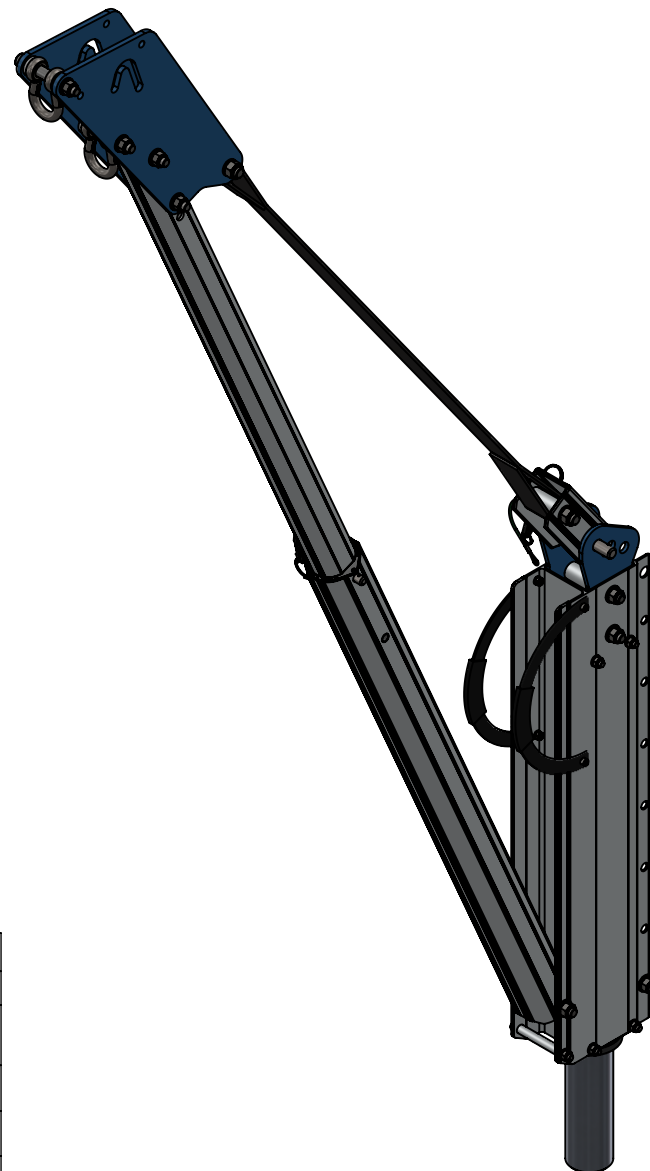
- Maximum rated capacity for goods lifting - 600kg
- Maximum rated capacity for personnel lifting - 300kg
- Beam deflection at maximum rated capacity of 600kg - 120-140 mm
- Assembled PDQ1S weight - 18.5kg
- For further details and assembly information refer to Operations and Maintenance Manual for Porta-Davit Quantum Product.
(available at www.reidlifting.com)

Fall Protection Standards

- Certified to EN795:2012 Type B & supplied under PPE Regulation 2016/425

Materials & Finishes

- Column and Jib - 6082 T6 Aluminium alloy. Anodised.
- Plates - 6082 T6 Aluminium alloy. Powdered Coating
- Load Strop - Polyester
- Shackle - Galvanised Grade 6
- Fixings - Steel. Grade 12:9. Bright Zinc Plated.



ANCHOR FORCE under BS7883:2019

Tensile force per anchor kN

Load Applied to T-Davit	kN	Tensile force per anchor kN		
		STMG0500V2	SSMG0500V2 Front Loading	SSMG0500V2 Rear Loading
Service Load	6	14.33	11.96	8.34
Max Goods Load	5.9 (600kg)	14.09	11.76	8.20
Design Load EN795	12	28.67	23.93	16.69

DO NOT SCALE DRAWING

REVISION

02



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NP16 6UD, UK

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Fax: +44(0)1291 626490

www.reidlifting.com

enquiries@reidlifting.com

	NAME	DATE
DRAWN	TB	04/10/2021
CHK'D		
APPV'D	CM	19/04/2023

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TITLE: **Porta-Davit Quantum - WLL600kg - Strop General Arrangement**

DWG NO.

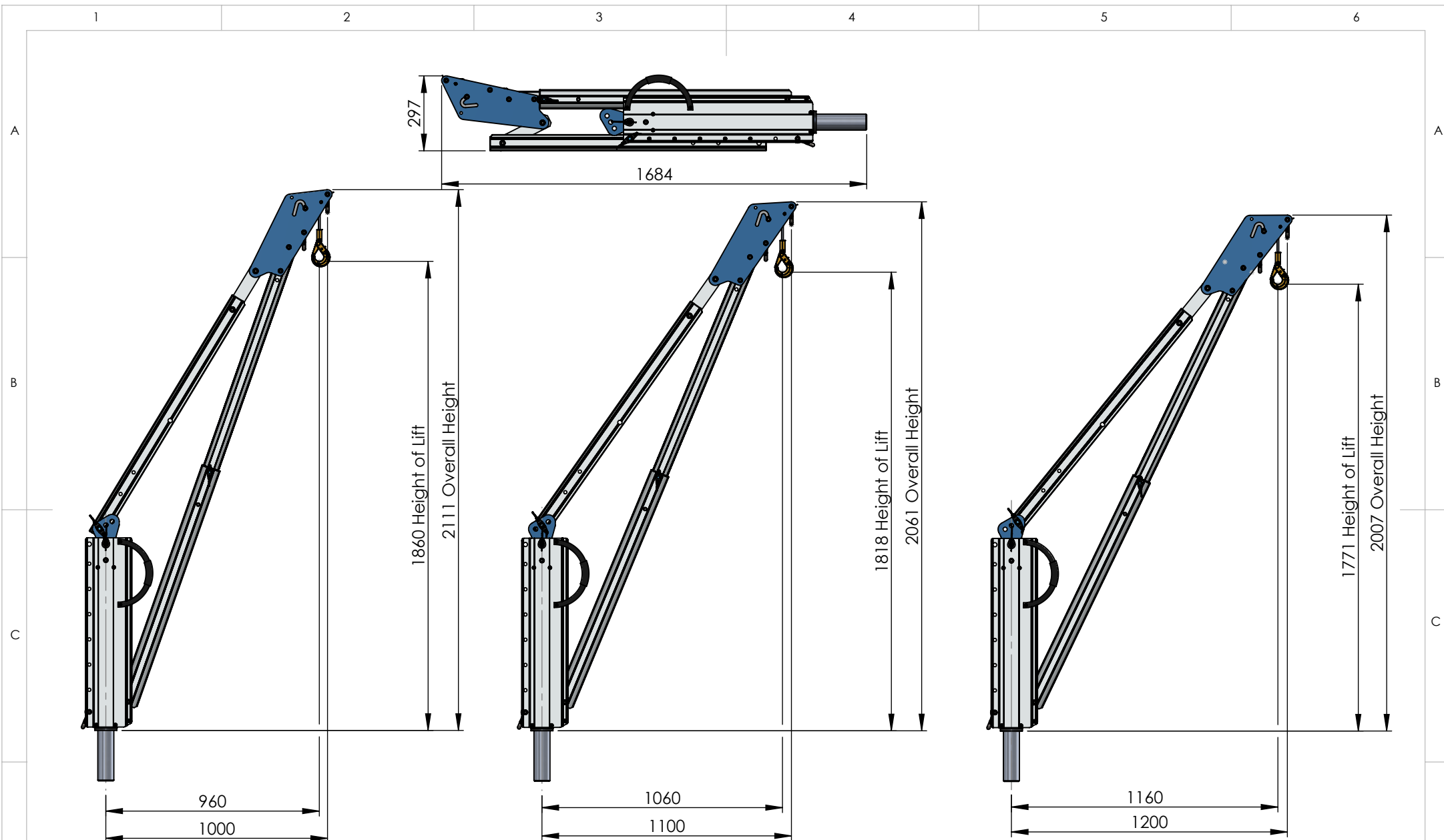
PDQ1S

A4

Estimated Weight: 18.5 kg

1:10

SHEET 2 OF 2



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DRAWN	NAME	DATE	FINISH:
CHK'D	BJ	29/10/2020	Anodised / Painted Plates
APPV'D	CM	19/04/2023	MATERIAL:
			Aluminium Alloy
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TITLE: **General Arrangement of
REID Lifting Porta-Davit
Quantum**

DWG NO.

PDQ1W

A4

Estimated Weight: 22.5 kg

1:20

SHEET 1 OF 2

General Specification

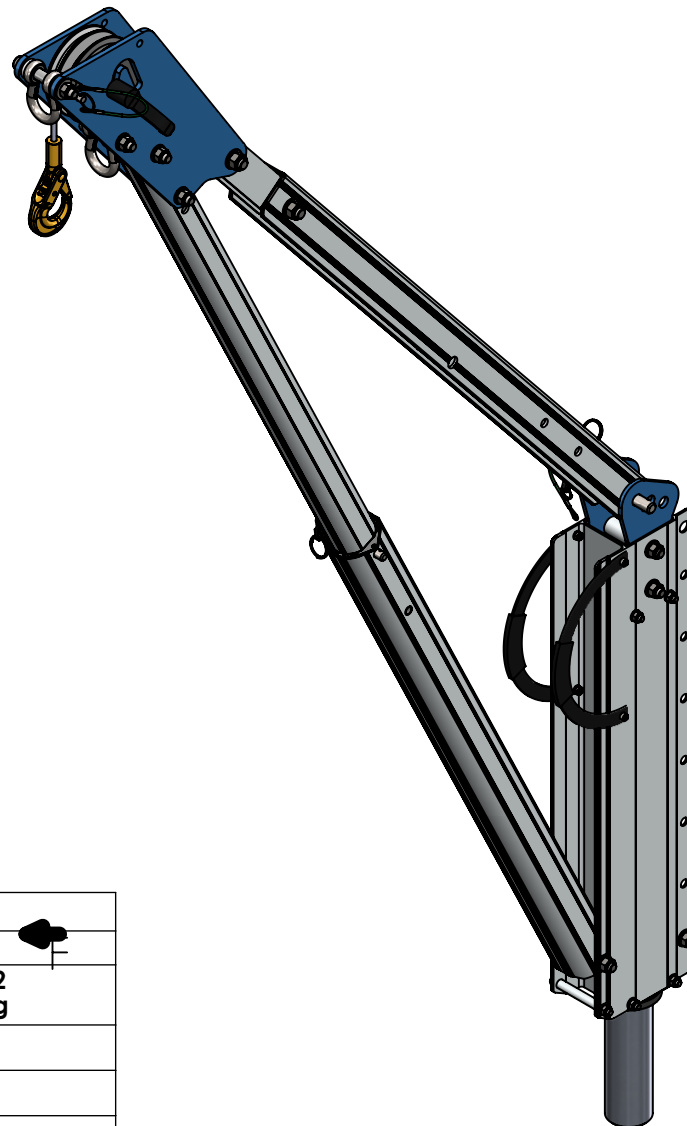
- Maximum rated capacity for goods lifting - 600kg
- Maximum rated capacity for personnel lifting - 300kg
- Beam deflection at maximum rated capacity of 600kg - 60-90 mm
- Assembled PDQ1W - 22.5kg
- For further details and assembly information refer to Operations and Maintenance Manual for Porta-Davit Quantum Product.
(available at www.reidlifting.com)

Fall Protection Standards

- Certified to EN795:2012 Type B & supplied under PPE Regulation 2016/425

Materials & Finishes

- Column, Jib, and backstay - 6082 T6 Aluminium alloy. Anodised.
- Plates - 6082 T6 Aluminium alloy. Powdered Coating
- Sheaves - Acetal Copolymer
- Shackle - Galvanised Grade 6
- Fixings - Steel. Grade 12:9. Bright Zinc Plated.



ANCHOR FORCE under BS7883:2019

Load Applied to T-Davit	kN	Tensile force per anchor kN		
		STMG0500V2	SSMG0500V2 Front Loading	SSMG0500V2 Rear Loading
Service Load	6	14.33	11.96	8.34
Max Goods Load	5.9 (600kg)	14.09	11.76	8.20
Design Load EN795	12	28.67	23.93	16.69

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enquiries@reidlifting.com

	NAME	DATE
DRAWN	BJ	29/10/2020
CHK'D		
APPV'D	CM	19/04/2023

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TITLE: **General Arrangement of
REID Lifting Porta-Davit
Quantum**

DWG NO.

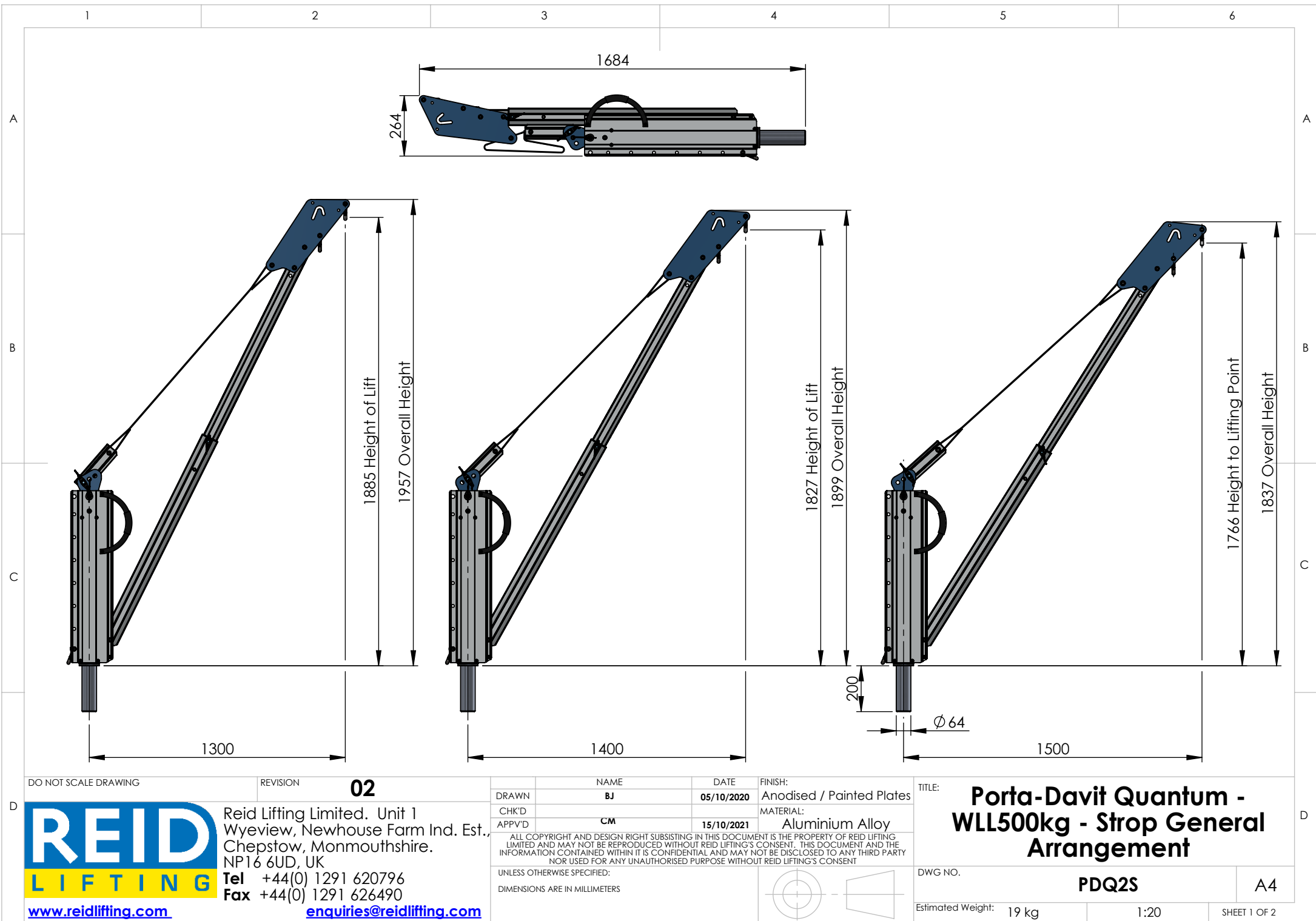
PDQ1W

A4

Estimated Weight: 22.5 kg

1:10

SHEET 2 OF 2



General Specification

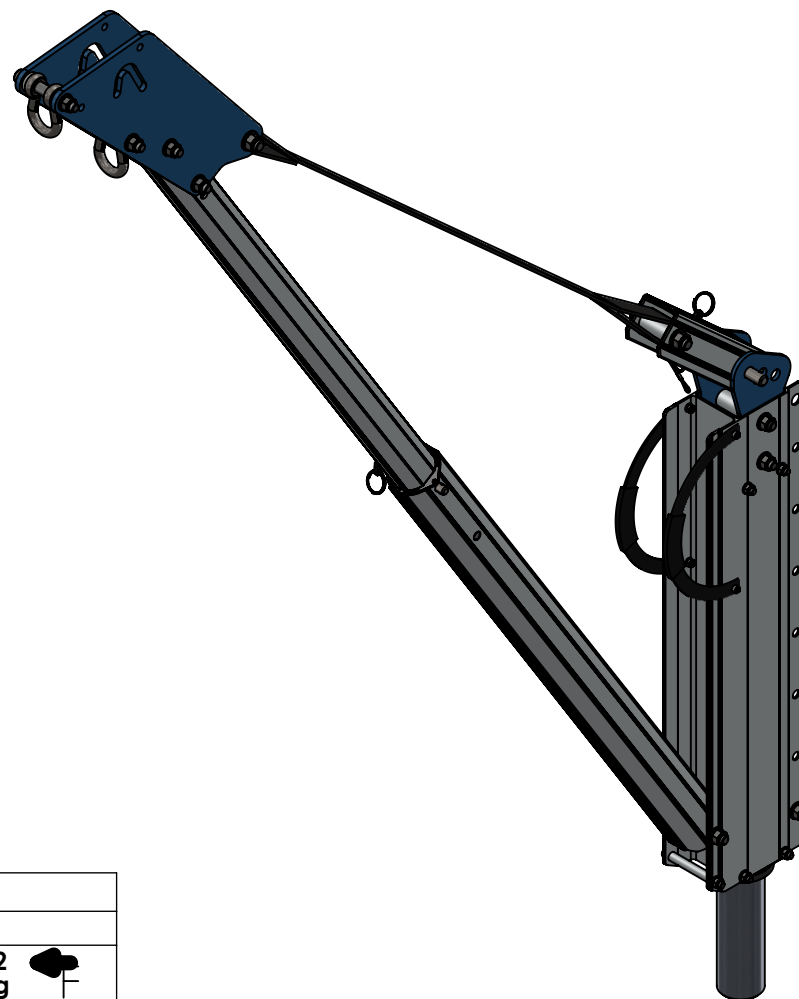
- Maximum rated capacity for goods lifting - 500kg
- Maximum rated capacity for personnel lifting - 250kg
- Beam deflection at maximum rated capacity of 500kg - 120-140 mm
- Assembled PDQ2S weight - 19kg
- For further details and assembly information refer to Operations and Maintenance Manual for Porta-Davit Quantum Product.
(available at www.reidlifting.com)

Fall Protection Standards

- Certified to EN795:2012 Type B & supplied under PPE Regulation 2016/425

Materials & Finishes

- Column and Jib - 6082 T6 Aluminium alloy. Anodised.
- Plates - 6082 T6 Aluminium alloy. Powdered Coating
- Load Strop - Polyester
- Shackle - Galvanised Grade 6
- Fixings - Steel. Grade 12:9. Bright Zinc Plated.



ANCHOR FORCE under BS7883:2019

Load Applied to T-Davit	kN	Max Tensile force per anchor kN		
		STMG0500V2	SSMG0500V2 Front Loading	SSMG0500V2 Rear Loading
Service Load	6	18.33	14.66	10.69
Max Goods Load	4.9 (500kg)	14.97	11.97	8.73
Design Load EN795	12	36.67	29.32	21.38

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	NAME	DATE
DRAWN	BJ	05/10/2020
CHK'D		
APP'VD	CM	15/10/2021

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TITLE: **Porta-Davit Quantum -
WLL500kg - Strop General
Arrangement**

DWG NO.

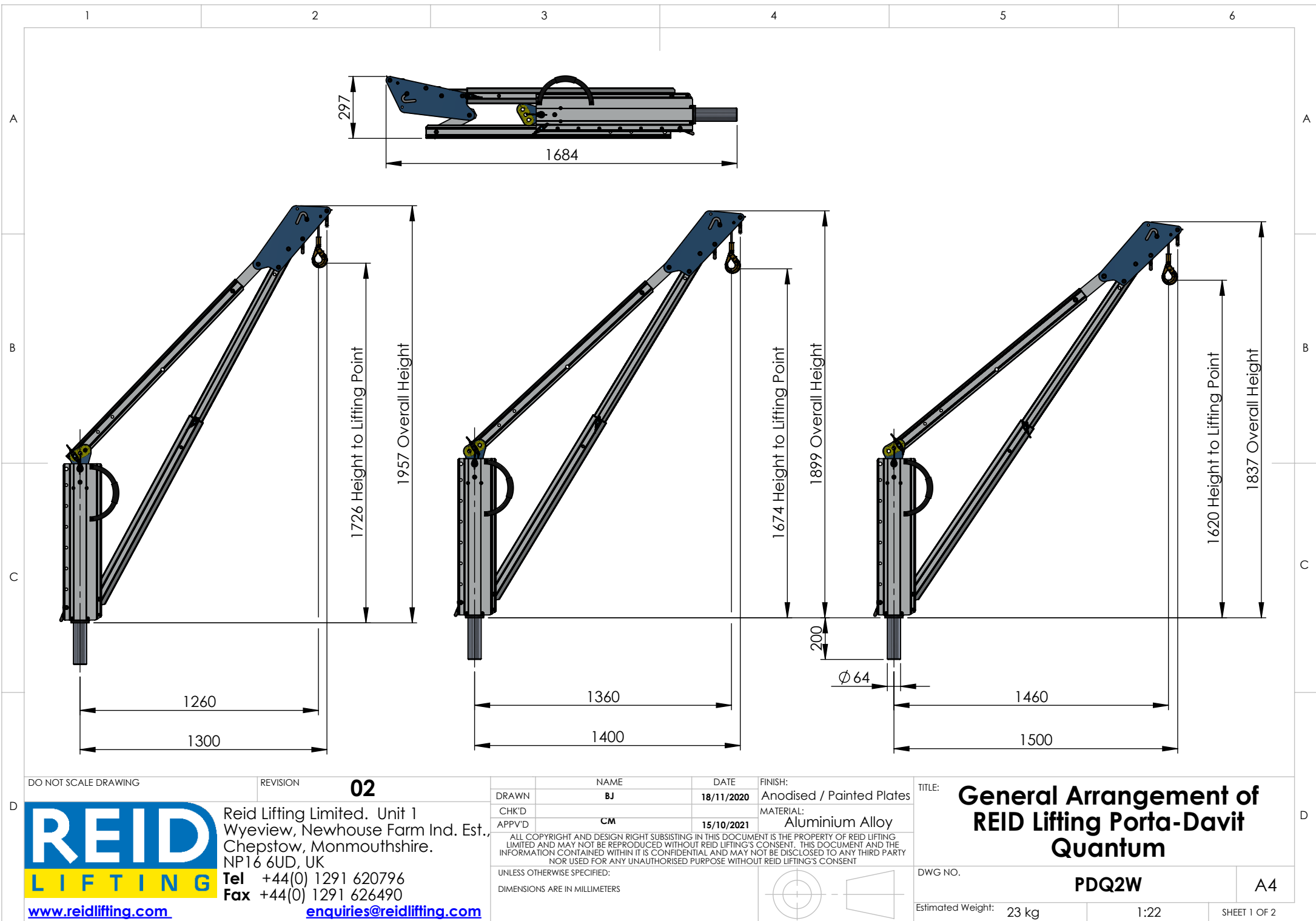
PDQ2S

A4

Estimated Weight: 19 kg

1:10

SHEET 2 OF 2



General Specification

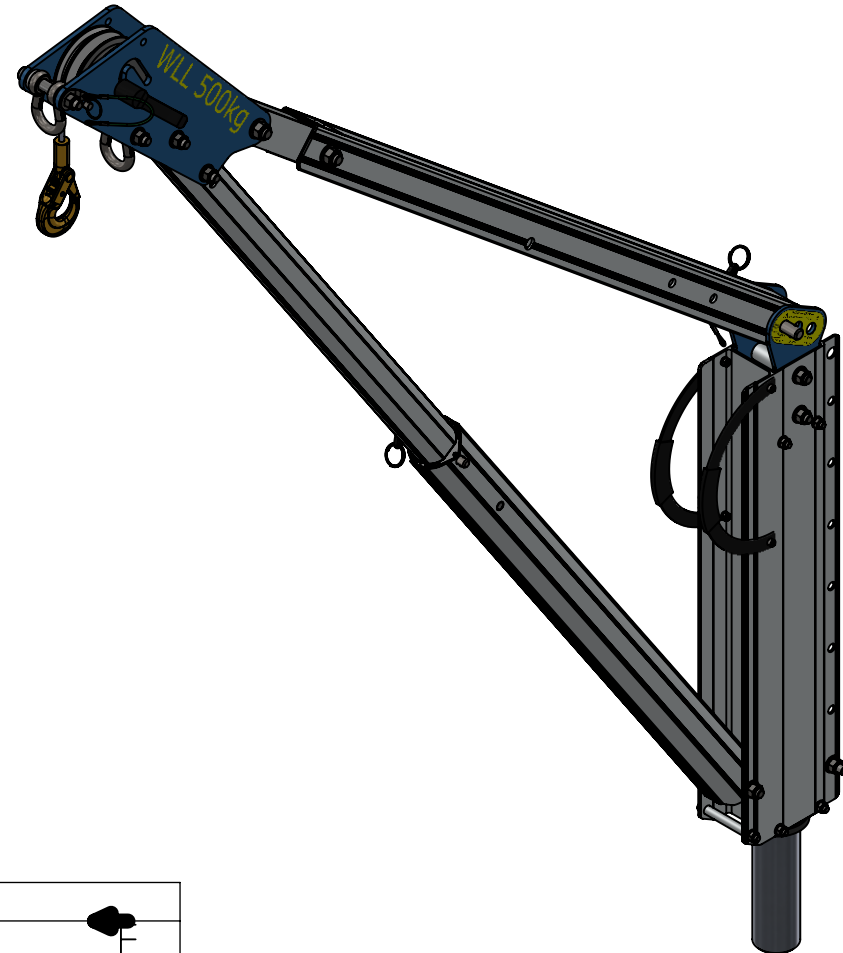
- Maximum rated capacity for goods lifting - 500kg
- Maximum rated capacity for personnel lifting - 250kg
- Beam deflection at maximum rated capacity of 500kg - 60-90 mm
- Assembled PDQ2W weight - 23kg
- For further details and assembly information refer to Operations and Maintenance Manual for Porta-Davit Quantum Product. (available at www.reidlifting.com)

Fall Protection Standards

- Certified to EN795:2012 Type B & supplied under PPE Regulation 2016/425

Materials & Finishes

- Column, Jib, and backstay - 6082 T6 Aluminium alloy. Anodised.
- Plates - 6082 T6 Aluminium alloy. Powdered Coating
- Sheaves (where applicable) - Acetal Copolymer
- Shackle - Galvanised Grade 6
- Fixings - Steel. Grade 12:9. Bright Zinc Plated.



ANCHOR FORCE under BS7883:2019

Tensile force per anchor kN

Load Applied to T-Davit	kN	Tensile force per anchor kN		
		STMG0500V2	SSMG0500V2 Front Loading	SSMG0500V2 Rear Loading
Service Load	6	18.33	14.66	10.69
Max Goods Load	4.9 (500kg)	14.97	11.97	8.73
Design Load EN795	12	36.67	29.32	21.38

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REVISION

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	NAME	DATE
DRAWN	BJ	18/11/2020
CHK'D		
APPV'D	CM	15/10/2021

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TITLE: **General Arrangement of
REID Lifting Porta-Davit
Quantum**

DWG NO.

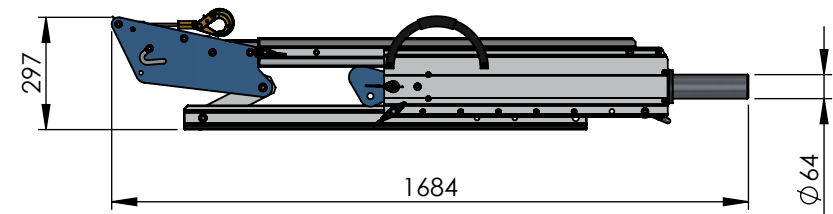
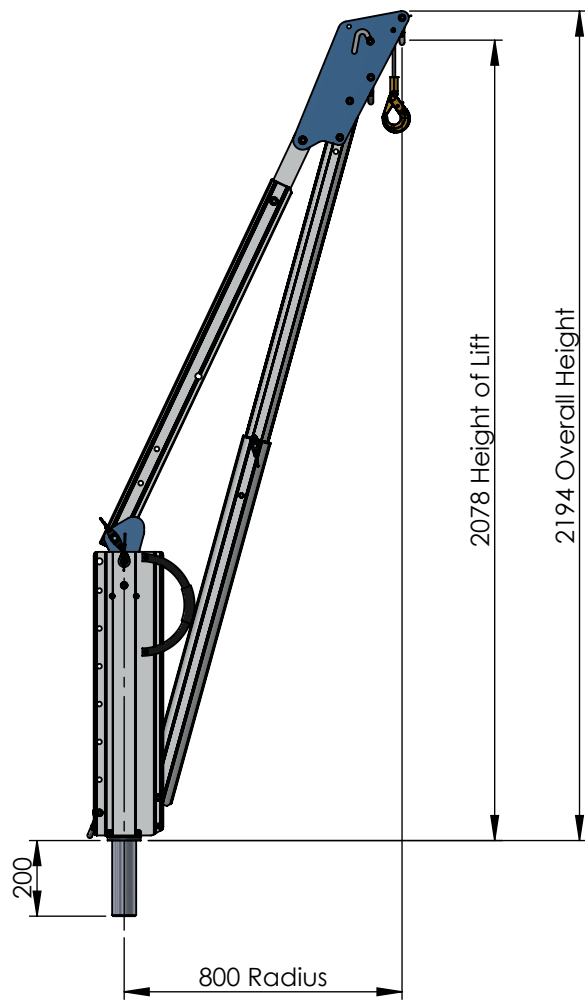
PDQ2W

A4

Estimated Weight: 23 kg

1:10

SHEET 2 OF 2



DO NOT SCALE DRAWING		REVISION 02		NAME		DATE		FINISH:		TITLE: General Arrangement of REID Lifting Porta-Davit Quantum DWG NO. PDQRW A4 Estimated Weight: 22.5 kg 1:20 SHEET 1 OF 2	
 Reid Lifting Limited. Unit 1 Wyeview, Newhouse Farm Ind. Est., Chepstow, Monmouthshire. NP16 6UD, UK Tel +44(0) 1291 620796 Fax +44(0) 1291 626490 www.reidlifting.com enquiries@reidlifting.com		DRAWN		SS		18/10/2021		Anodised / Painted Plates			
		CHK'D						MATERIAL:			
		APPV'D		CM		19/04/2023		Aluminium Alloy			
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General Specification

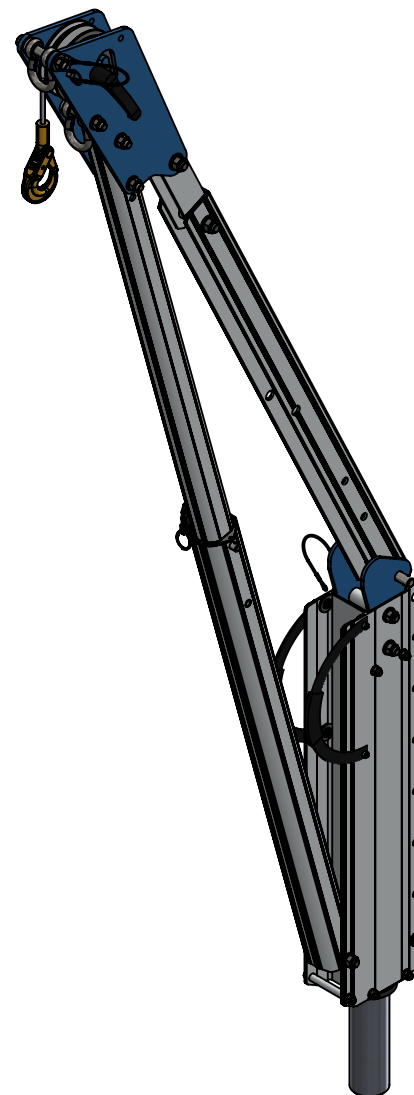
- Maximum rated capacity for goods lifting - 600kg
- Maximum rated capacity for personnel lifting - 300kg
- Beam deflection at maximum rated capacity of 600kg - 60-90 mm
- Assembled PDQRW weight - 22.5kg
- For further details and assembly information refer to Operations and Maintenance Manual for Porta-Davit Quantum Product.
(available at www.reidlifting.com)

Fall Protection Standards

- Certified to EN795:2012 Type B & supplied under PPE Regulation 2016/425

Materials & Finishes

- Column, jib, and backstay - 6082 T6 Aluminium alloy. Anodised.
- Plates - 6082 T6 Aluminium alloy. Powdered Coating
- Sheaves (where applicable) - Acetal Copolymer
- Shackles - Galvanised Grade 6
- Fixings - Steel. Grade 12:9. Bright Zinc Plated.



ANCHOR FORCE under BS7883:2019

Load Applied to T-Davit	kN	Tensile force per anchor kN		
		STMG0500V2	SSMG0500V2 Front Loading	SSMG0500V2 Rear Loading
Service Load	6	9.00	8.37	5.22
Max Goods Load	5.9 (600kg)	8.85	8.23	5.13
Design Load EN795	12	18.00	16.74	10.44

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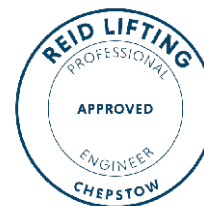
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enquiries@reidlifting.com

	NAME	DATE
DRAWN	SS	18/10/2021
CHK'D		
APPV'D	CM	19/04/2023

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TITLE: **General Arrangement of
REID Lifting Porta-Davit
Quantum**

DWG NO.

PDQRW

A4

Estimated Weight: 22.5 kg

1:12

SHEET 2 OF 2