



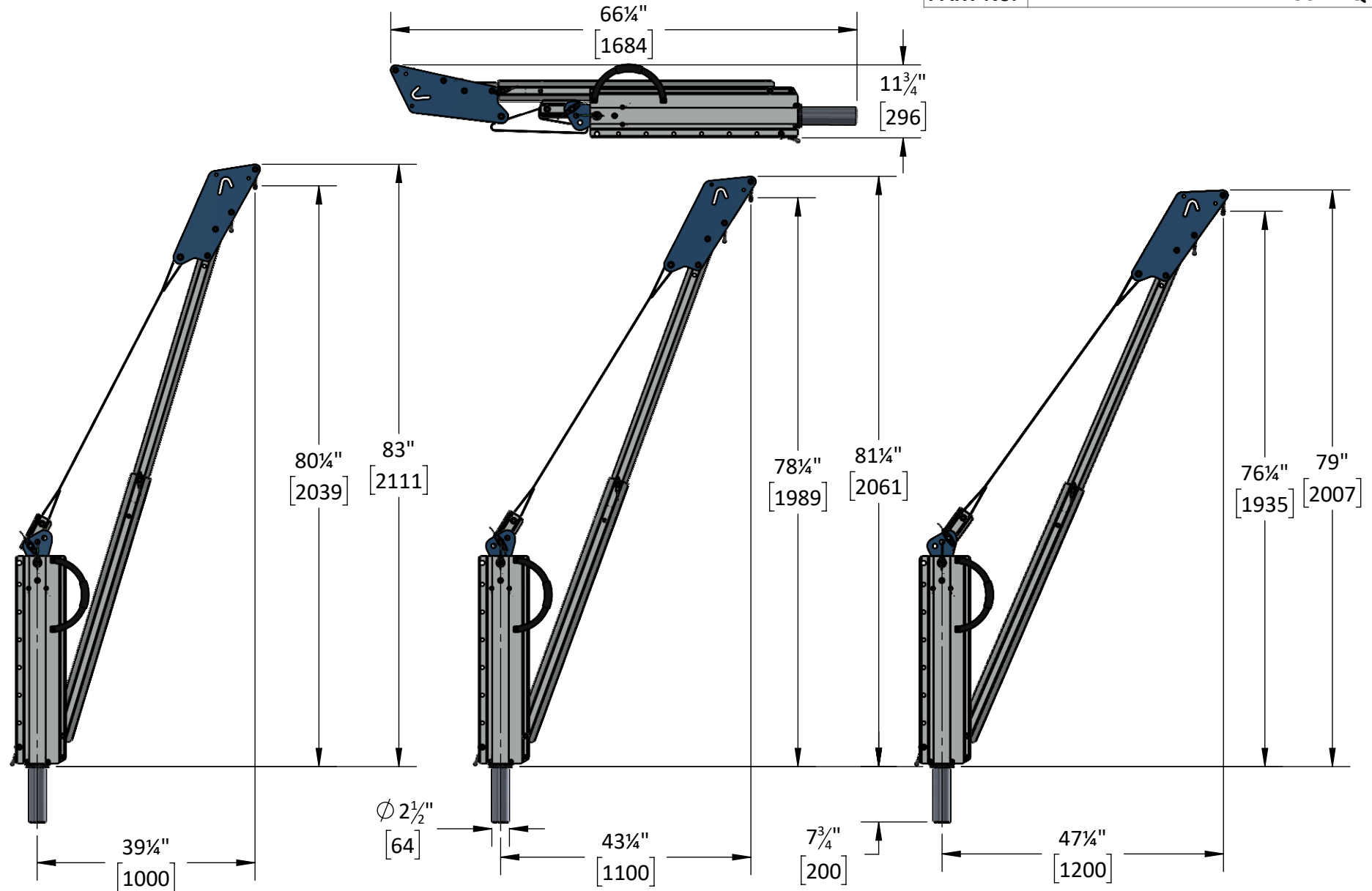
TECHNICAL DATASHEETS

PORTA DAVIT QUANTUM[®]

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

PART No.

US-PDQ1S



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Bloomington. MN55425. USA
Tel: +1-888-721-6411

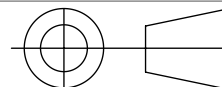
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NP16 6UD Tel: +44 1291 620796



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info@reidlifting.com

	NAME	DATE
DRAWN	TB	09/11/2021
APPV'D	CM	19/04/2023

Approved



TITLE: **Porta-Davit Quantum -
WLL1320lb - Strop General
Assembly**

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REVISION **03** DO NOT SCALE DRAWING 1:20 SHEET 1 OF 2 A

General Specification

- Maximum rated capacity for goods lifting - 1320lb
- Maximum rated capacity for personnel lifting - 650lb
- Deflection at maximum rated capacity of 1320lb - 4¾-5½"
- Assembled Davit weight - 41lb
- For further details and assembly information refer to Operations and Maintenance Manual for PDQ Product. (available at us.reidlifting.com)

Fall Protection Standards

- Complies with the requirements of OSHA 1910 sub part I (.140) & 1926 sub part M
- Ultimate load for OSHA calculations - 12kN(2700lb). (Safety factor must be applied)

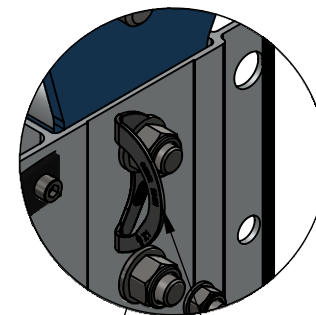
Materials & Finishes

- Column and beam - 6082 T6 marine grade alloy. Anodized.
- Plates - 6082T6 Aluminium alloy Powdered Coated
- Sheaves (where applicable) - Acetal Copolymer
- Fixings - Steel. Grade 12:9. Bright Zinc Plated.

PART No.

US-PDQ1S

DETAIL A
SCALE 1 : 3



Anchor Point

ANCHOR FORCE				
Load Applied to T-Davit	kN	Max Tensile force per anchor kN		
		STMG0500V2	SSMG0500V2 Front Loading	SSMG0500V2 Rear Loading
Service Load	6 (1350 lb)	14.33 (3230 lb)	11.96 (2690 lb)	8.34 (1880 lb)
Max Goods Load	5.9 (1320 lb)	14.09 (3170 lb)	11.76 (2650 lb)	8.2 (1850 lb)
Design Load	12 (2700 lb)	28.67 (6450 lb)	23.93 (5380 lb)	16.69 (3760 lb)

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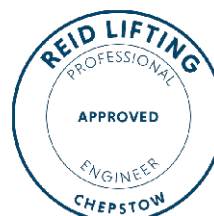
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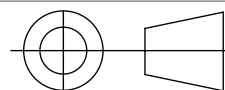
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Tel: +44 1291 620796



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DRAWN TB	09/11/2021
APPV'D CM	19/04/2023

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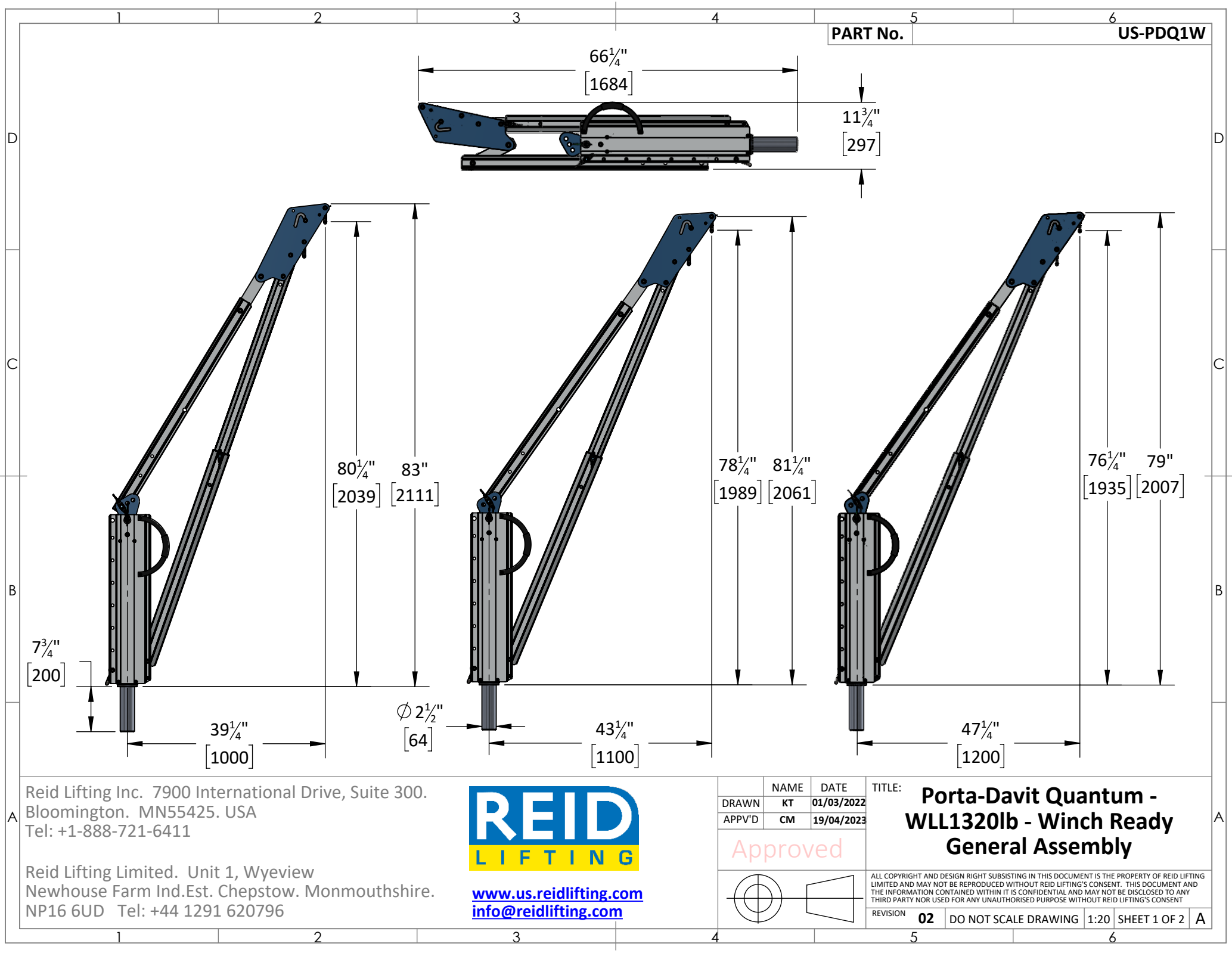


TITLE:

**Porta-Davit Quantum -
WLL1320lb - Strop General
Assembly**

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REVISION **03** DO NOT SCALE DRAWING 1:10 SHEET 2 OF 2 A



PART No.

US-PDQ1W

66¹/₄"

[1684]

11³/₄"

[297]

80¹/₄"

[2039]

83"

[2111]

78¹/₄"

[1989]

81¹/₄"

[2061]

76¹/₄"

[1935]

79"

[2007]

7³/₄"

[200]

39¹/₄"

[1000]

Ø 2¹/₂"

[64]

43¹/₄"

[1100]

47¹/₄"

[1200]

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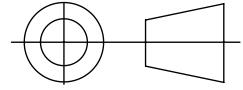
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NP16 6UD Tel: +44 1291 620796



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	NAME	DATE
DRAWN	KT	01/03/2022
APPV'D	CM	19/04/2023

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TITLE: **Porta-Davit Quantum -
WLL1320lb - Winch Ready
General Assembly**

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REVISION **02** DO NOT SCALE DRAWING 1:20 SHEET 1 OF 2 A

General Specification

- Maximum rated capacity for goods lifting - 1320lb
- Maximum rated capacity for personnel lifting - 660lb
- Deflection at maximum rated capacity of 1320lb - $2\frac{1}{4}$ - $3\frac{1}{2}$ "
- Assembled Davit weight - 50lb
- For further details and assembly information refer to Operations and Maintenance Manual for PDQ Product. (available at us.reidlifting.com)

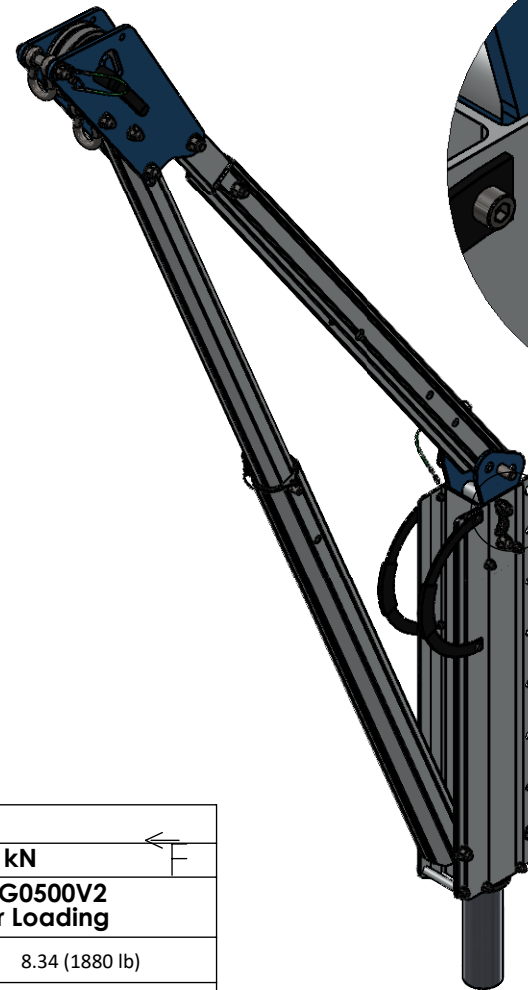
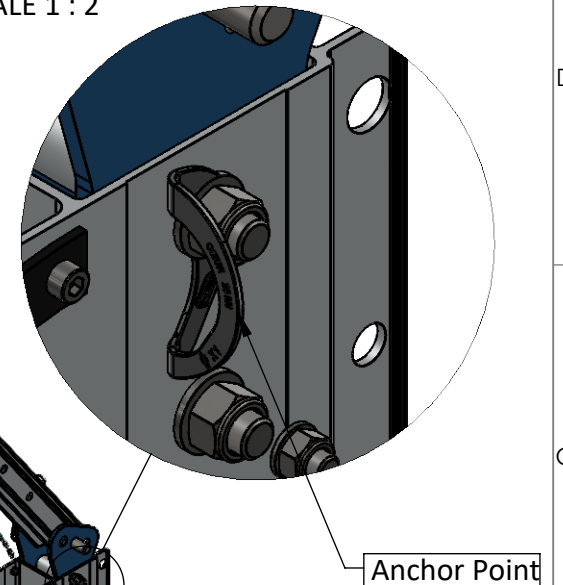
Fall Protection Standards

- Complies with the requirements of OSHA 1910 sub part I (.140) & 1926 sub part M
- Ultimate load for OSHA calculations - 12kN (2700lb). (Safety factor must be applied)

Materials & Finishes

- Column and beam - 6082 T6 marine grade alloy. Anodized.
- Plates - 6082T6 Aluminium alloy Powdered Coated
- Sheaves (where applicable) - Acetal Copolymer
- Fixings - Steel. Grade 12:9. Bright Zinc Plated.

DETAIL A
SCALE 1 : 2



ANCHOR FORCE				
Load Applied to T-Davit	kN	Max Tensile force per anchor kN		
		STMG0500V2	SSMG0500V2 Front Loading	SSMG0500V2 Rear Loading
Service Load	6 (1350 lb)	14.33 (3230 lb)	11.96 (2690 lb)	8.34 (1880 lb)
Max Goods Load	5.9 (1320 lb)	14.09 (3170 lb)	11.76 (2650 lb)	8.2 (1850 lb)
Design Load	12 (2700 lb)	28.67 (6450 lb)	23.93 (5380 lb)	16.69 (3760 lb)

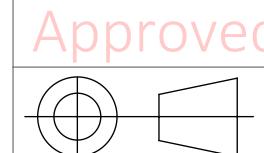
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Tel: +1-888-721-6411

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info@reidlifting.com

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Monmouthshire. NP16 6UD
Tel: +44 1291 620796



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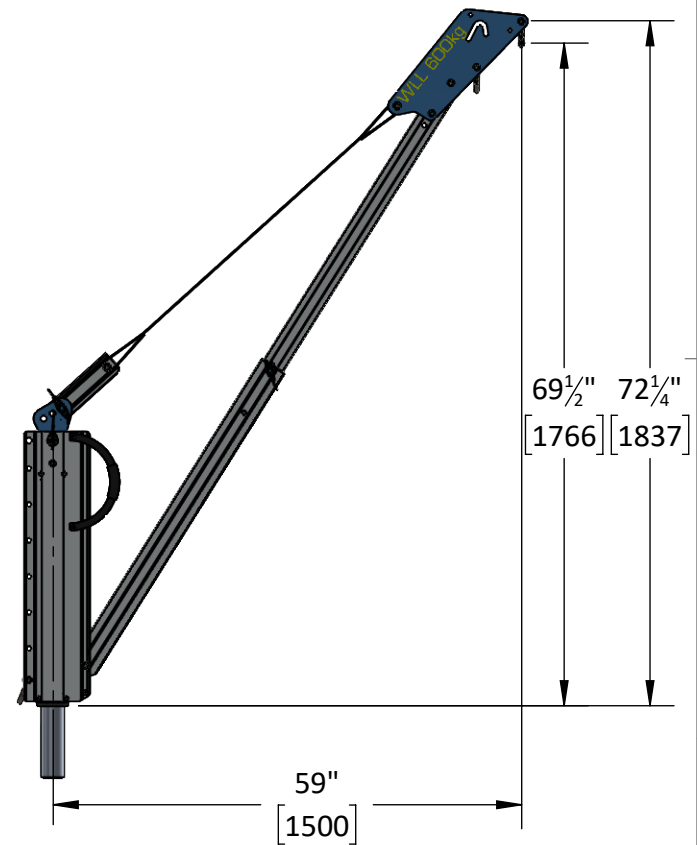
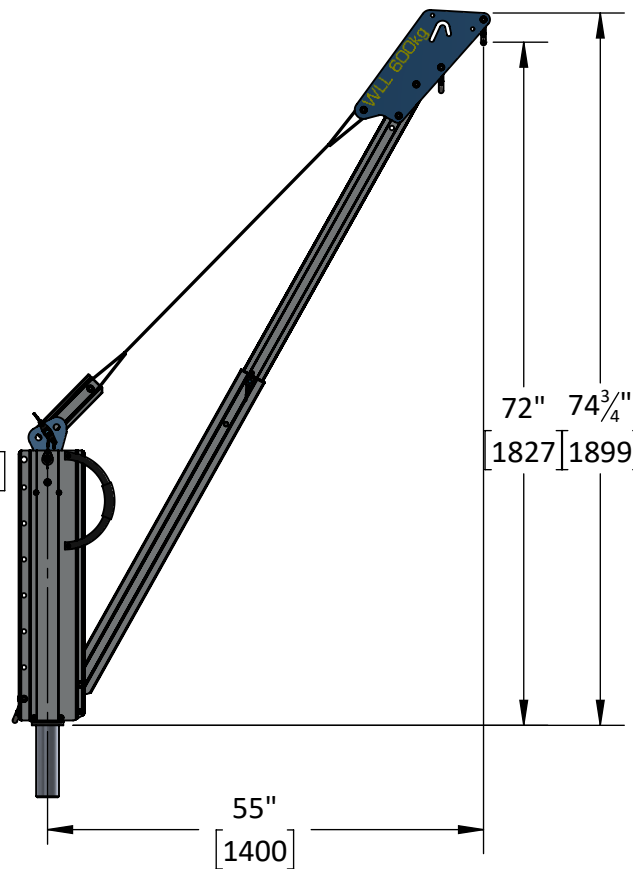
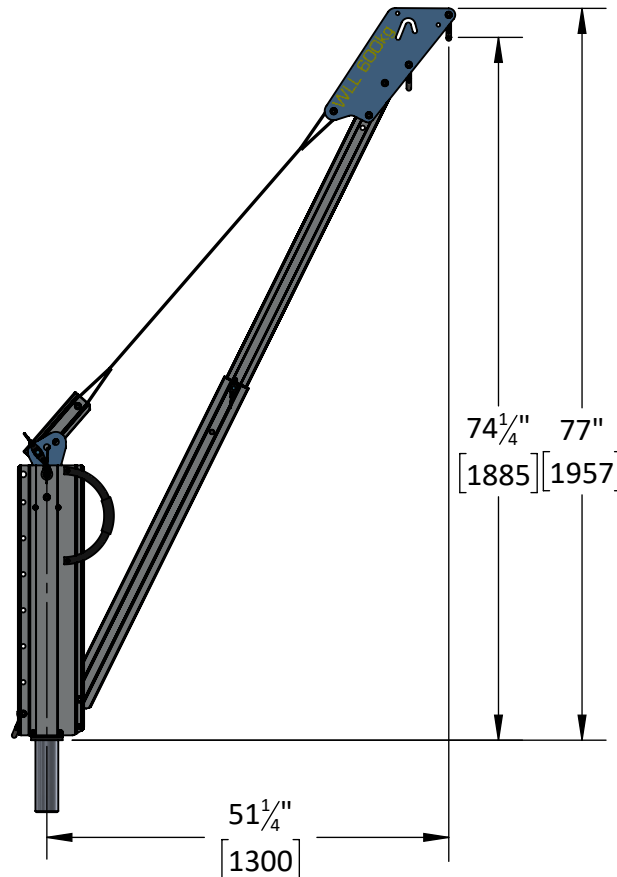
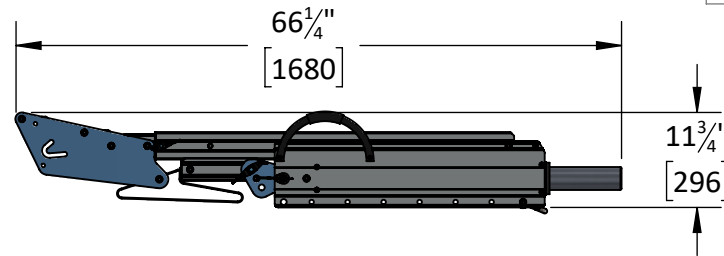
TITLE: **Porta-Davit Quantum -
WLL1320lb - Winch Ready
General Assembly**

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PART No.

US-PDQ2S



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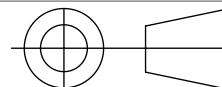
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NP16 6UD Tel: +44 1291 620796



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info@reidlifting.com

	NAME	DATE
DRAWN	KT	11/04/2022
APPV'D	CM	29/04/2022

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TITLE: **Porta- Davit Quantum WLL
1100lb - Strop General
Assembly**

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REVISION **01** DO NOT SCALE DRAWING 1:20 SHEET 1 OF 2 A

General Specification

- Maximum rated capacity for goods lifting - 1100lb
- Maximum rated capacity for personnel lifting - 550lb
- Deflection at maximum rated capacity of 1100lb - $4\frac{3}{4}"$ - $5\frac{1}{2}"$
- Assembled Davit weight - 42lb
- For further details and assembly information refer to Operations and Maintenance Manual for PDQ Product. (available at us.reidlifting.com)




Fall Protection Standards

- Complies with the requirements of OSHA 1910 sub part I (.140) & 1926 sub part M
- Ultimate load for OSHA calculations - 12kN (2700lb)lb.(Safety factor must be applied)

Materials & Finishes

- Column and beam - 6082 T6 marine grade alloy. Anodized.
- Plates - 6082T6 Aluminiumalloy Powdered Coated
- Sheaves (where applicable) - Acetal Copolymer
- 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 (1350 lb)	18.33 (4130 lb)	14.66 (3300 lb)	10.69 (2410 lb)
Max Goods Load	4.9 (1110 lb)	14.97 (3370 lb)	11.97 (2700 lb)	8.73 (1970 lb)
Design Load EN795	12 (2700 lb)	36.67 (8250 lb)	29.32 (6600 lb)	21.38 (4810 lb)
Design Load BS7985	15 (3380 lb)	45.83 (10310 lb)	36.65 (8240 lb)	26.72 (6010 lb)

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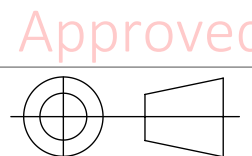
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Monmouthshire. NP16 6UD
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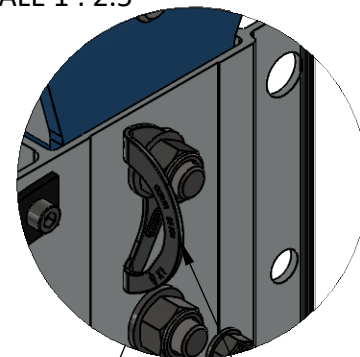
NAME	DATE
DRAWN KT	11/04/2022
APPV'D CM	29/04/2022



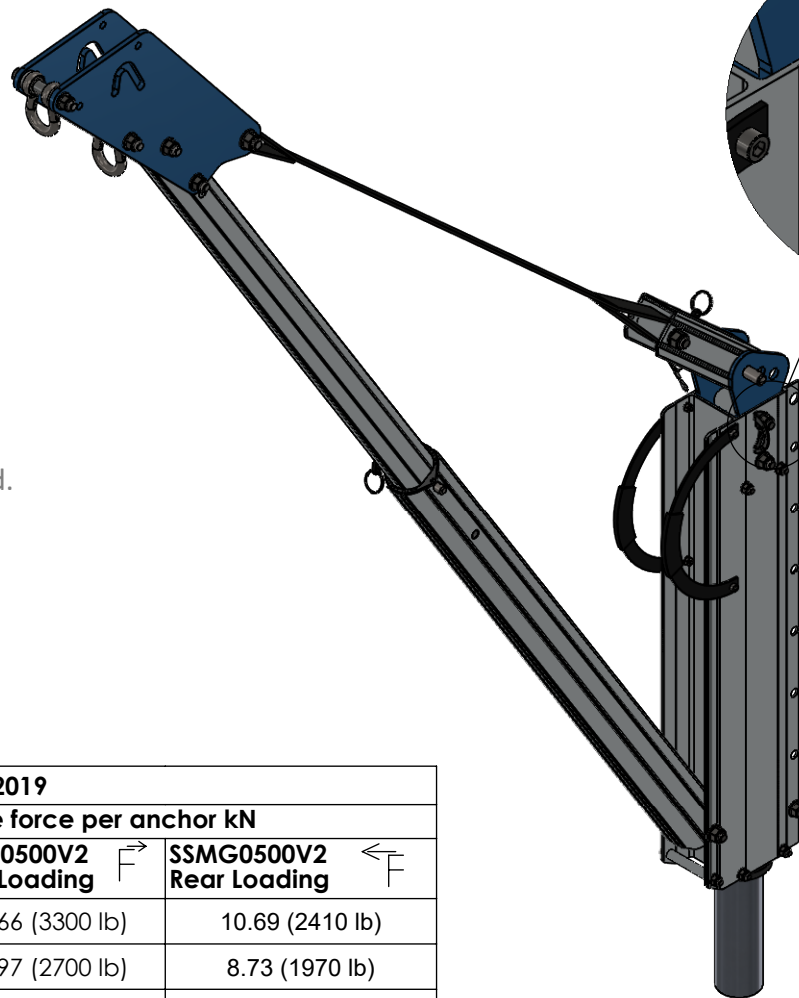
PART No.

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DETAIL A
SCALE 1 : 2.5



Anchor Point



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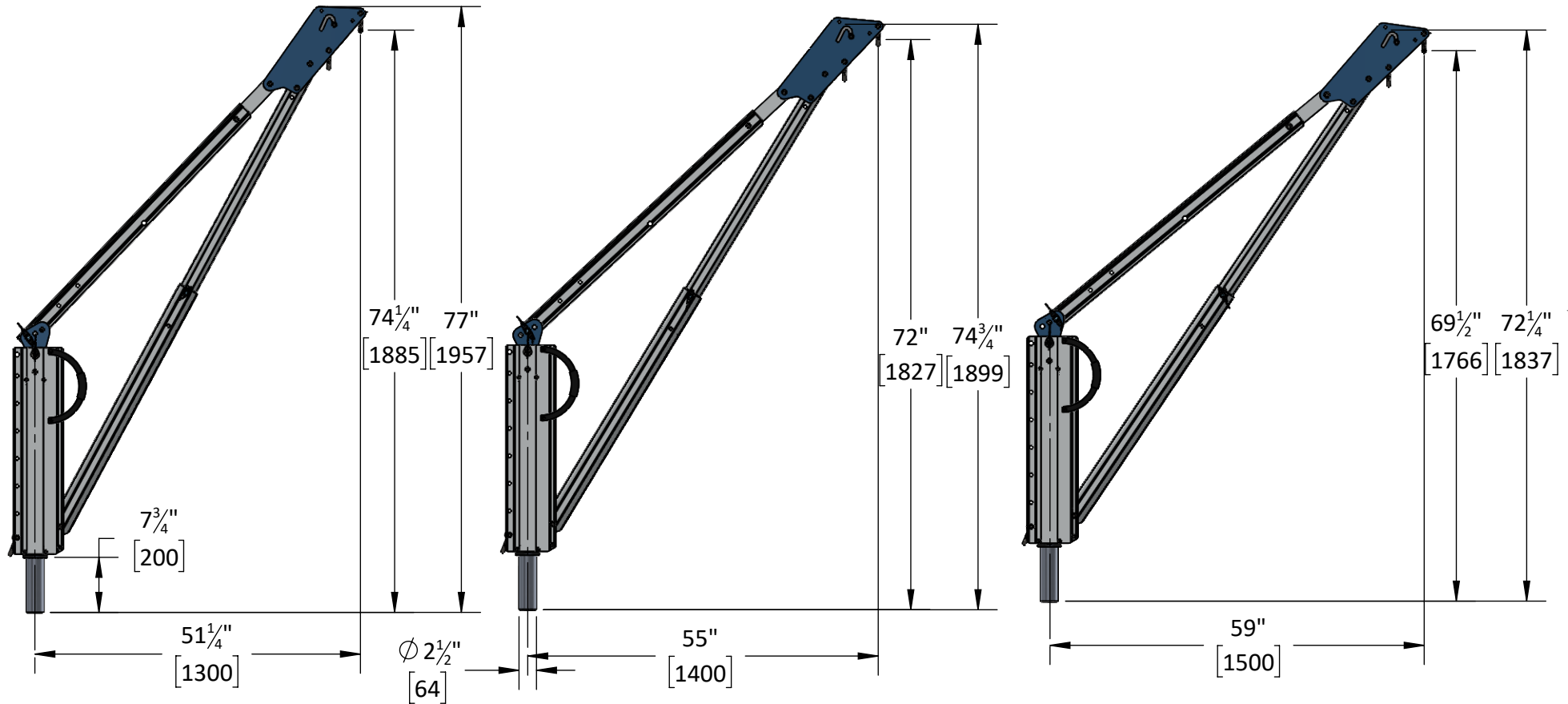
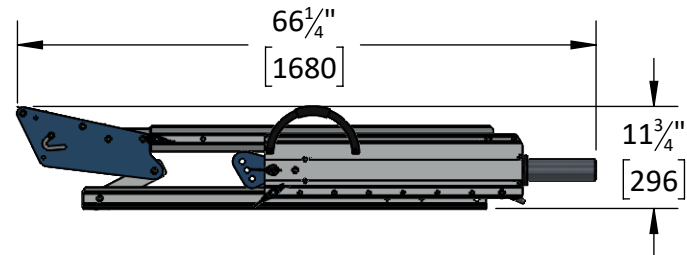
TITLE:
**Porta- Davit Quantum WLL
1100lb - Strop General
Assembly**

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US-PDQ2W



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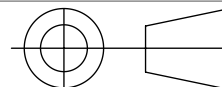
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Newhouse Farm Ind.Est. Chepstow. Monmouthshire.
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APPV'D	CM	29/04/2022

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TITLE: **Porta-Davit Quantum WLL**
1100lb - winched ready General
Assembly

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REVISION **01** DO NOT SCALE DRAWING 1:22 SHEET 1 OF 2 A

General Specification

- Maximum rated capacity for goods lifting - 1100lb
- Maximum rated capacity for personnel lifting - 550lb
- Deflection at maximum rated capacity of 1100lb - $2\frac{1}{2}"$ - $3\frac{1}{2}"$
- Assembled Davit weight - 51lb
- For further details and assembly information refer to Operations and Maintenance Manual for PDQ Product. (available at us.reidlifting.com)

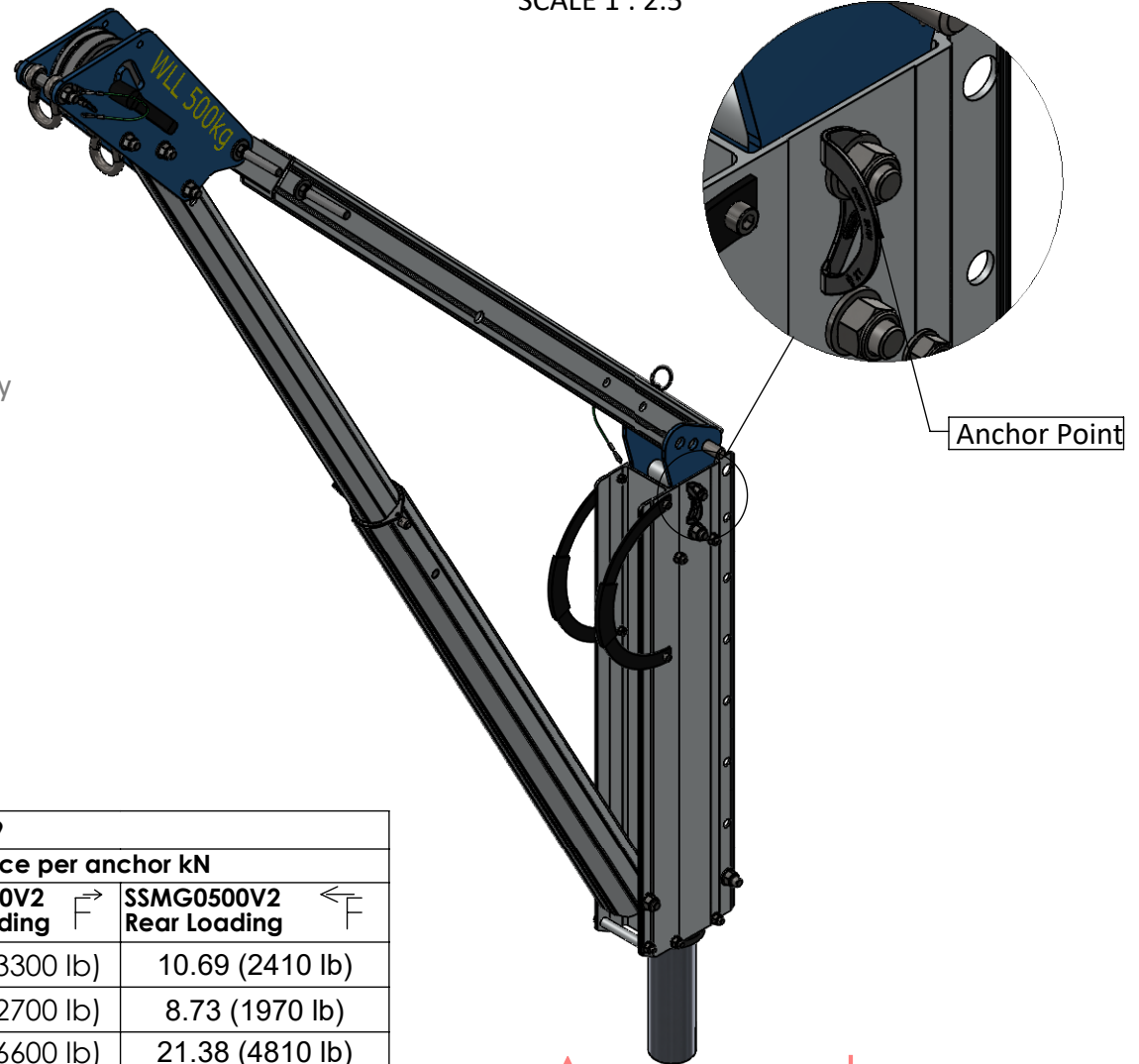
Fall Protection Standards

- Complies with the requirements of OSHA 1910 sub part I (.140) & 1926 sub part M
- Ultimate load for OSHA calculations - 12kN (2700lb). (Safety factor must be applied)

Materials & Finishes

- Column and beam - 6082 T6 marine grade alloy. Anodized.
- Plates - 6082T6 Aluminium alloy Powdered Coated
- Sheaves (where applicable) - Acetal Copolymer
- Fixings - Steel. Grade 12:9. Bright Zinc Plated.

DETAIL A
SCALE 1 : 2.5



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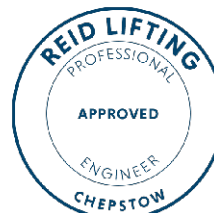
ANCHOR FORCE under BS7883:2019

Load Applied to T-Davit	kN	Max Tensile force per anchor kN		
		STMG0500V2	SSMG0500V2 Front Loading	SSMG0500V2 Rear Loading
Service Load	6 (1350 lb)	18.33 (4130 lb)	14.66 (3300 lb)	10.69 (2410 lb)
Max Goods Load	4.9 (1110 lb)	14.97 (3370 lb)	11.97 (2700 lb)	8.73 (1970 lb)
Design Load EN795	12 (2700 lb)	36.67 (8250 lb)	29.32 (6600 lb)	21.38 (4810 lb)
Design Load BS7985	15 (3380 lb)	45.83 (10310 lb)	36.65 (8240 lb)	26.72 (6010 lb)

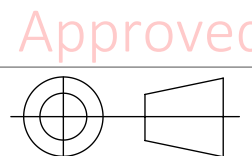
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info@reidlifting.com

Reid Lifting Limited. Unit 1, Wyeview
Newhouse Farm Ind.Est. Chepstow.
Monmouthshire. NP16 6UD
Tel: +44 1291 620796



NAME	DATE
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APPV'D CM	29/04/2022



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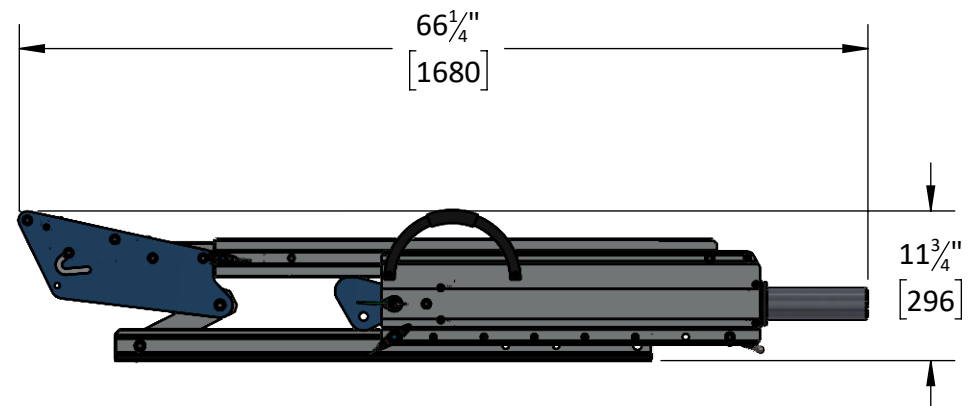
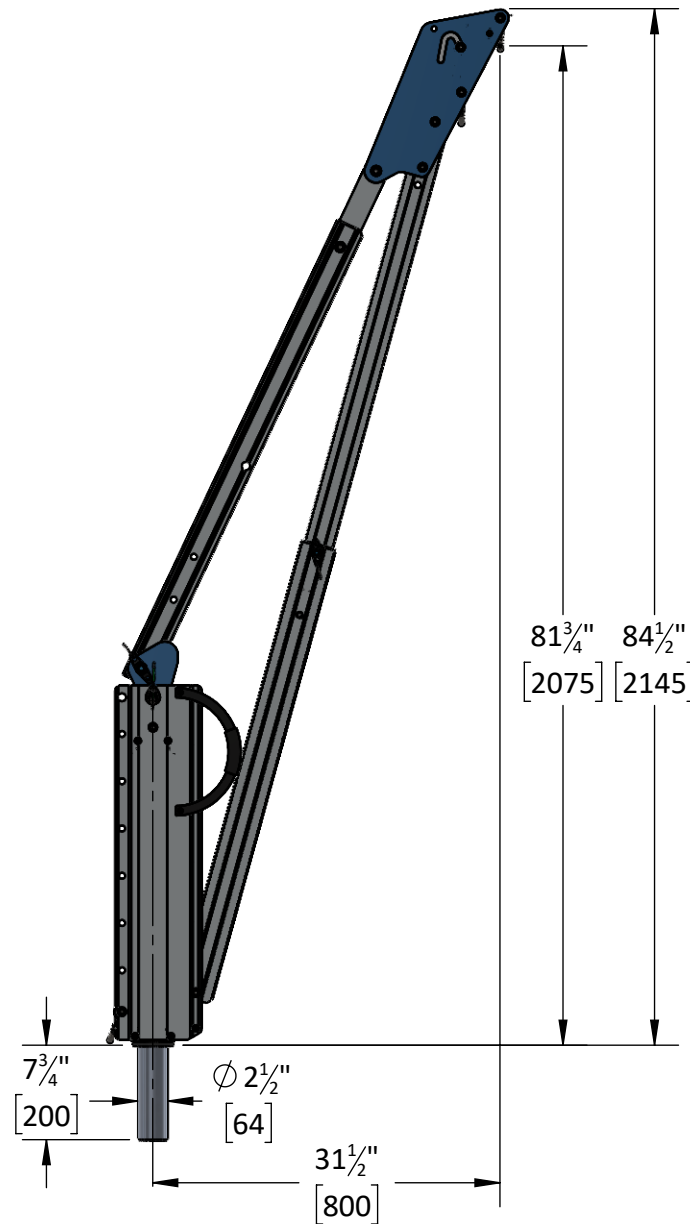
TITLE:
**Porta-Davit Quantum WLL
1100lb - winched ready
General Assembly**

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PART No.

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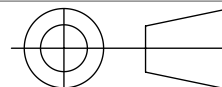
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	NAME	DATE
DRAWN	KT	12/04/2022
APPV'D	CM	19/04/2023

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TITLE:
**Porta-Davit Quantum Restricted
Radius - WLL1320lb - Winch Ready
General Assembly**

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REVISION **02** DO NOT SCALE DRAWING 1:15 SHEET 1 OF 2 A

General Specification

- Maximum rated capacity for goods lifting - 1320lb
- Maximum rated capacity for personnel lifting - 660lb
- Deflection at maximum rated capacity of 1320lb - $2\frac{1}{4}" - 3"$
- Assembled T-Davit weight - 50lb
- For further details and assembly information refer to Operations and Maintenance Manual for PDQ Product. (available at us.reidlifting.com)

Fall Protection Standards

- Complies with the requirements of OSHA 1910 sub part I (.140) & 1926 sub part M
- Ultimate load for OSHA calculations -12kN (2700lb). (Safety factor must be applied)

Materials & Finishes

- Column and beam - 6082 T6 marine grade alloy. Anodized.
- Plates - 6082T6 Aluminiumalloy Powdered Coated
- Sheaves (where applicable) - Acetal Copolymer
- 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 (1350 lb)	9 (2030 lb)	8.37 (1890 lb)	5.22 (1180 lb)
Max Goods Load	5.9 (1330 lb)	8.85 (1990 lb)	8.23 (1860 lb)	5.13 (1160 lb)
Design Load EN795	12 (2700 lb)	18 (4050 lb)	16.74 (3770 lb)	10.44 (2350 lb)

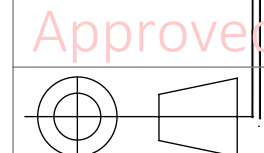
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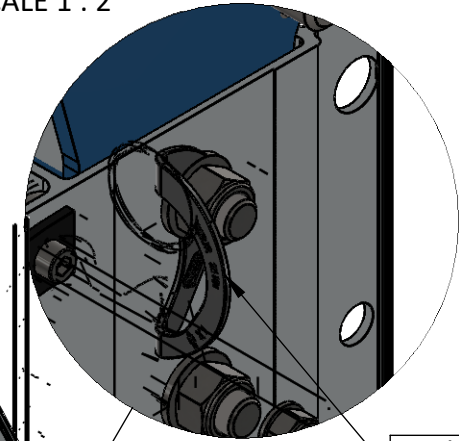
NAME	DATE
DRAWN KT	12/04/2022
APPV'D CM	19/04/2023



PART NO.

US-PDQRW

DETAIL A
SCALE 1 : 2



Anchor Point

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**Porta-Davit Quantum Restricted
Radius - WLL1320lb - Winch Ready
General Assembly**

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REVISION	02	DO NOT SCALE DRAWING	1:10	SHEET 2 OF 2	A
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