SHORE PROP 100

A VERSATILE PROPPING SOLUTION THAT CAN BE USED IN CONJUNCTION WITH SHORE PROP 200, SHORE PROP 400 AND SHORE PROP 1000.

Shore Prop 100 can be used for temporary propping works, formwork raking shores, facade retention, and wall support. They can easily be assembled into beams of varying lengths, making them an ideal solution for high loads in both vertical and horizontal applications.

Adjustment is at the end unit, meaning the prop always remains in the strongest orientation and allows ease of cross-bracing in multiple prop applications.

SHORE PROP 100

End Detail

Section Detail

SHORE PROP 100 SECTION SIZES

SHORE PROP 100 SECTION SPECIFICATIONS

Description	Weight
90mm Section	7.3kg
180mm Section	8.8kg
360mm Section	12kg
540mm Section	16kg
900mm Section	22kg
1800mm Section	40kg
2700mm Section	58kg
3600mm Section	73kg

Note: Specifications are approximate.

SHORE PROP 100 – VERTICAL

THE VERTICAL WORKING LOAD LIMIT CAPACITY CHART IS BASED ON THE FOLLOWING PRINCIPLES OF DESIGN:

- A Shore Prop 100 jack is positioned at the base, and both ends are laterally restrained
- The Working Load Limit (WLL) values are the limit state design capacity values divided by a load factor of 1.5
- An eccentricity of axial load of L/200 has been applied around the minor axis
- All assembly bolts are fully tensioned
- Intermediate capacities for various effective lengths can be interpolated from the chart

Note: For design parameters outside the above scope, consultation should be made with Shore Hire Engineering Services.

SHORE PROP 100 JACKS

Jacks (left and right hand) have been developed for shoring applications. These heavy-duty jacks convert the Shore Prop 100 to a vertical or raking shore. Rotating the vertical soldier in either direction extends or contracts the overall length of the shore. When used in a raking application, one silver and one gold jack is required per assembly.

SHORE PROP 100

SHORE PROP 100 SPECIFICATIONS

Shore Prop 100s with Single Jack and Foot Jack Adaptor (mm)	kg	Number of Intermediate Beams Required								kg	Shore Prop 100s with Top and Bottom Jack and Two Tilt Bases (Raking Prop) (mm)
		90mm	180mm	360mm	540mm	900mm	1800mm	2700mm	3600mm		
450–655	18.0									38	900–1310
540–745	25.3	1								45	990–1400
630–835	26.8		1							46	1080–1490
810–1015	30.4			1						50	1260–1670
990–1195	34.0				1					54	1440–1850
1170–1375	42.8			2						62	1620–2030
1350–1555	40.1					1				60	1800–2210
1530–1735	50.0				2					70	1980–2390
1710–1915	52.5			1		1				72	2160–2570
1890–2095	56.1				1	1				76	2340–2750
2010–2275	64.9			2		1				85	2460–2930
2250–2455	58.0						1			78	2700–3110
2430–2635	78.4			1	3					98	2880–3290
2610–2815	70.4			1			1			90	3060–3470
2790–2995	74.0				1		1			94	3240–3650
2970–3175	82.8			2			1			102	3420–3830
3150–3355	73.0							1		93	3600–4010
3330–3535	90.0				2		1			110	3780–4190
3510–3715	98.8			2	1		1			118	3960–4370
3690–3895	107.6			4			1			127	4140–4550
3870–4075	106.0				3		1			126	4320–4730
4050–4255	91.0								1	111	4500–4910
4230–4435	123.6			4	1		1			143	4680–5090
4410–4615	103.4			1					1	123	4860–5270
4590–4795	107.0				1				1	127	5040–5450
4770–4975	115.8			2					1	135	5220–5630
4950–5155	113.1					1			1	133	5400–5810
5130–5335	128.2			3					1	148	5580–5990
5310–5515	125.5			1		1			1	145	5760–6170
5440–5695	129.1				1	1			1	149	5890–6350
5670–5875	144.2			3	1				1	164	6120–6530
5850–6055	131.0						1		1	151	6300–6710
6030–6235	151.4			1	3				1	171	6480–6890
6210–6415	143.4			1			1		1	163	6660–7070
6390–6595	147.0				1		1		1	167	6840–7250
6570–6775	155.8			2			1		1	175	6570–6775
6750–6955	146.0							1	1	166	7200–7610
6950–7135	163.0				2		1		1	183	7400–7790
7110–7315	165.5			1				1	1	185	7560–7970

Note: Specifications are approximate.

SHORE PROP 100 – RAKING

SHORE PROP 100 WORKING LOAD LIMIT (WLL) FOR RAKING APPLICATIONS

Effective Length (mm)	Angle of Raking Shore to the Horizontal (Ø)								
	Horizontal	10	20	30	40	45	50	60	Vertical
	Working Load Limit in kN								
2000	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0
2900	104.7	104.7	104.7	104.7	104.7	104.7	104.7	104.7	104.7
3800	95.2	95.3	95.4	95.5	95.8	95.9	96.1	96.4	97.6
4700	79.0	79.0	79.5	80.3	81.5	82.2	83.0	84.7	91.2
5600	59.0	59.1	59.5	60.3	61.5	62.2	62.9	64.7	70.9
6500	43.2	43.3	43.9	44.8	46.3	47.1	48.1	50.2	57.9
7400	32.8	32.9	33.5	34.6	36.2	37.2	38.2	40.6	49.2
8300	22.2	22.4	23.1	24.5	26.5	27.7	28.9	33.5	42.6
9200	15.7	15.9	16.7	18.2	20.3	21.6	23.1	25.5	37.8

THE WORKING LOAD LIMIT CAPACITY TABLE FOR RAKING APPLICATIONS OF VARIOUS ANGLES IS BASED ON THE FOLLOWING PRINCIPLES OF DESIGN:

- A universal tilt base and jack are positioned at both ends and are laterally restrained
- The working load limit values are the limit state design capacity values divided by a load factor of 1.5
- An eccentricity of axial load of L/200 has been applied around the minor axis
- All assembly bolts are fully tensioned
- The effective length of the raking prop is to be taken as the linear measurement between the universal tilt base pins at both ends
- Raking prop is aligned as such that bending due to gravity is about the major axis. Refer to picture A for guidance
- For effective lengths greater than 8600mm, it is recommended that the props should be used for wind loading applications only

Intermediate capacities for other effective lengths can be interpolated from the table. For design parameters outside the above scope, consultation should be made with Shore Hire Engineering Services.

A - Angle of raking shore

SHORE PROP 100 – ACCESSORIES

SHORE PROP 100 ACCESSORIES

#	Description	Weight
1	Sixway Connector	25.0kg
2	Shore 1000 Strut Adaptor	4.5kg
3	Tilt Base	6.0kg
4	Shore 100 Strut Adaptor	4.2kg
5	Connecting Angle	2.2kg
6	Scaffold Bracket	2.0kg
7	End Plate Adaptor	1.6kg
8	Rocking Head	9.5kg
9	Foot Jack Adaptor	5.2kg
10	Jack Spanner	1.0kg
11	Shore Prop 400 – 100 Flange Connector	11.0kg
12	Shore Prop 100 Jack	
	• Left Hand=Gold, Right Hand=Silver	12.8kg
	• Jack Only (390–600mm)	18.0kg
	• Jack with Foot Jack Adaptor (450–655mm)	

SHORE PROP 100 PROPERTIES

Cross Sectional Area	2460mm^2
Moment of Inertia in x-direction (Ixx)	17.9 x 10^6mm^3
Moment of Inertia in y-direction (Iyy)	5.6 x 10^6mm^4
Radius of Gyration in x-direction (rxx)	85.3mm
Radius of Gyration in y-direction (ryy)	47.8mm
Elastic Section Modulus in x-direction (Zxx)	159 x 10^{3}mm^3
Elastic Section Modulus in y-direction (Zyy)	62.6 x 10^{3}mm^3
Plastic Section Modulus in x–direction (Sxx)	101.6 x 10^{3}mm^3
Plastic Section Modulus in y-direction (Syy)	101.6 x 10^{3}mm^3
Young's Modulus of Elasticity, E	200 x 10^{3}Mpa
Minimum Yield Stress of Prop Material (fy)	345Mpa

Note: Specifications are approximate.

SHORE PROP 200

SHORE HIRE OFFERS ANOTHER VERSATILE PROPPING SOLUTION CALLED THE SHORE PROP 200, WHICH IS AN INTEGRAL PART OF OUR MODULAR PROPPING RANGE.

This propping system provides great adaptability and can be combined with various other products from Shore Hire.

The Shore Prop 200 system is a remarkably flexible and robust solution for propping in both horizontal and vertical applications, meeting the rigorous demands of Australian Job sites. With its modular components and adjustable foot jacks, Shore Hire can customise an arrangement to match the specific dimensions of your project.

By using the Shore Prop 200 temporary propping system, customers can benefit from a perfect balance of load-bearing capacity and flexibility. It seamlessly integrates with the Shore Prop 100, Shore Prop 400, and Shore Prop 1000 modular propping systems, along with several other products available from Shore Hire.

For your peace of mind, Shore Hire's team of skilled engineers and on-site riggers are fully equipped to handle the design and installation of temporary works involving this equipment. Rest assured that your next project will be in capable hands.

SHORE PROP 200

1. 2m Section 2. 1m Section 3. 0.5m Section 4. 0.25m Section 5. 0.125m Section

SHORE PROP 200 SECTION SPECIFICATIONS

Description	Weight
0.125m Section	5.7kg
0.25m Section	8.4kg
0.5m Section	13.1kg
1m Section	22.2kg
2m Section	40.1kg
Jack	15.8kg
Rocking Head	5.9kg

Note: Specifications are approximate.

SHORE PROP 400

SHORE PROP 400

THE SHORE PROP 400 SYSTEM HAS BEEN DEVELOPED BY SHORE HIRE ENGINEERS SPECIFICALLY FOR BUILDING REFURBISHMENT AND THE HEAVY PROPPING MARKET.

The system has been designed to give maximum flexibility with standard components allowing a wide variety of tower and truss designs. The Shore Prop 400 is a heavy-duty support for vertical, horizontal, and raking applications suitable for supporting both large and small projects.

Shore Prop 400 is compatible with our Shore Prop 100, Shore Prop 200, and Shore Prop 1000 propping systems.

SHORE PROP 400 SECTION SPECIFICATIONS

Description	Weight
125mm Section	8kg
250mm Section	11kg
500mm Section	18kg
1000mm Section	30kg
2000mm Section	56kg
Shore Prop 400 Screw Jack 400-610mm	21kg

Note: Specifications are approximate.

USES:

- Falsework
- Back Propping
- Facade Retention
- Support Towers
- Needling and Propping
- Raking Props

2000mm 1000mm 500mm 250mm 125mm

SHORE PROP 400

• Concept and design • Installation • Certification/Signoff

DETAIL A - (DWG. NO. 100)

SCALE 1:20

SHORE PROP 400 FRAME TYPE 1 (1 OFF)

SCALE 1:50

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Client	Drawing
MG RIGGING	SHORE PROP 400 FRAME DETAILS
Project: 88 ARCHER ST. CHATSWOOD	

Job No.	Drawing Number	Revision	Sht. Size	Scale	Date	Drawn	Checked
15086	102	3	A3	A/S	SEPT '15	BC	BC

SHORE PROP 400

End Detail

Flange Detail

Web Detail

SHORE PROP 400 WITH SINGLE JACK SPECIFICATIONS

Shore Prop 400s (mm)	kg	Shore Prop 400 Jack (410–620mm)	Number of Intermediate Sections Required				
			125mm	250mm	500mm	1000mm	2000mm
400–610	21	1					
525–735	29	1	1				
650–860	32	1		1			
775–985	40	1	1	1			
900–1110	39	1			1		
1025–1235	47	1	1		1		
1150–1360	63	1		1	1		
1275–1485	58	1	1	1	1		
1400–1610	51	1				1	
1525–1735	59	1	1			1	
1650–1860	62	1		1		1	
1775–1985	70	1	1	1		1	
1900–2100	69	1			1	1	
2025–2235	77	1	1		1	1	
2150–2360	80	1		1	1	1	
2275–2485	88	1	1	1	1	1	
2400–2610	76	1					1
2525–2735	84	1	1				1
2650–2860	87	1		1			1
2775–2985	95	1	1	1			1
2900–3110	94	1			1		1
3025–3235	102	1	1		1		1
3150–3360	105	1		1	1		1
3275–3485	113	1	1	1	1		1
3400–3610	106	1				1	1
3525–3735	114	1	1			1	1
3650–3860	117	1		1		1	1
3775–3985	125	1	1	1		1	1
3900–4110	124	1			1	1	1
4025–4235	132	1	1		1	1	1
4150–4360	135	1		1	1	1	1
4275–4485	143	1	1	1	1	1	1
4400–4610	131	1					2
4550–4760	139	1	1				2
4650–4860	142	1		1			2
4775–4985	150	1	1	1			2
4900–5110	149	1			1		2
5025–5235	157	1	1		1		2
5150–5360	160	1		1	1		2
5275–5485	168	1	1	1	1		2
5400–5610	161	1				1	2
5524–5735	169	1	1			1	2
5775–5985	180	1	1	1		1	2
5900–6110	179	1			1	1	2
6025–6235	187	1	1		1	1	2
6150–6350	190	1		1	1	1	2
6275–6485	198	1	1	1	1	1	2
6400–6610	186	1					3
6525–6735	194	1	1				3
6650–6860	197	1		1			3
6775–6985	205	1	1	1			3
6900–7110	204	1			1		3
7025–7235	212	1	1		1		3
7150–7360	215	1		1	1		3
7275–7485	223	1	1	1	1		3
7400–7610	216	1				1	3
7525–7735	224	1	1			1	3
7650–7860	227	1		1		1	3
7775–7985	235	1	1	1		1	3
7900–8110	234	1			1	1	3
8025–8235	242	1	1		1	1	3
8150–8360	245	1		1	1	1	3
8275–8485	253	1	1	1	1	1	3
8525–8735	249	1	1				4
8650–8860	252	1		1			4
8775–8985	260	1	1	1			4
8900–9110	259	1			1		4
9025–9235	267	1	1		1		4

Note: Specifications are approximate.

SHORE PROP 400 – VERTICAL

THE VERTICAL WORKING LOAD LIMIT CAPACITY CHART IS BASED ON THE FOLLOWING PRINCIPLES OF DESIGN:

- A Shore Prop 400 jack is positioned at the base, and both ends are laterally restrained
- The working load capacity values divided by a load factor of 1.5
- An eccentricity of axial load of L/200 has been applied around the minor axis
- All assembly bolts are fully tensioned
- Intermediate capacities for various effective lengths can be interpolated from the chart

Note: For design parameters outside the above scope, consultation should be made with Shore Hire Engineering Service.

SHORE PROP 400

SHORE PROP 400 – RAKING

SHORE PROP 400 RAKING SPECIFICATIONS

	Horizontal				Angle of Raking				Vertical
Length	0°	10°	20°	30°	40°	45°	50°	60°	90°
1000mm	510.0kN	510.0kN	510.0kN	510.0kN	510.0kN	510.0kN	510.0kN	510.0kN	510.0kN
2000mm	435.8kN	436.0kN	436.3kN	436.9kN	437.6kN	438.0kN	438.5kN	439.4kN	442.8kN
2500mm	377.9kN	378.2kN	378.8kN	379.5kN	380.6kN	381.0kN	381.7kN	383.0kN	387.6kN
3000mm	325.4kN	325.6kN	326.2kN	327.2kN	328.5kN	329.2kN	330.0kN	331.6kN	337.3kN
3500mm	285.5kN	285.8kN	286.5kN	287.7kN	289.3kN	290.1kN	291.0kN	293.0kN	299.9kN
4000mm	255.1kN	255.5kN	256.4kN	257.7kN	259.5kN	260.5kN	261.6kN	264.1kN	272.2kN
4500mm	229.7kN	230.2kN	231.3kN	232.9kN	234.9kN	236.1kN	237.3kN	240.2kN	249.7kN
5000mm	207.1kN	207.6kN	208.8kN	210.7kN	212.9kN	214.3kN	215.7kN	218.9kN	229.6kN
5500mm	185.8kN	186.5kN	187.6kN	189.7kN	192.2kN	193.7kN	195.3kN	198.7kN	210.6kN
6000mm	165.0kN	165.7kN	167.0kN	169.1kN	172.0kN	173.4kN	175.2kN	179.0kN	191.9kN
6500mm	144.3kN	145.0kN	146.5kN	148.7kN	151.6kN	153.1kN	154.9kN	159.0kN	172.5kN
7000mm	123.5kN	124.2kN	125.7kN	128.0kN	130.8kN	132.5kN	134.3kN	138.5kN	152.2kN

Note: Specifications are approximate.

SHORE PROP 400

SHORE PROP 400 – ACCESSORIES

1. Pivot End Connector

2. Side-Web Connector

3. Beam Clamp

4. Sole Fixing Plate

5. Single Bolt Coupler

6. Screw Jack

7. Shore Prop 400-100 Flange Connector

8. Shore Prop 400-1000 End Connector

9. Shore Prop 400 To Tilt Prop Connector

10. Shore Prop 400 Hydraulic Jacking Bracket

AIMED AT THE BUILDING REFURBISHMENT MARKET, SHORE PROP 400 HAS QUICKLY DEVELOPED INTO A MULTI-PURPOSE PROPPING SYSTEM, USED EXTENSIVELY IN BOTH THE CIVIL AND BUILDING INDUSTRIES.

All components have been sized to allow manual handling where necessary, whilst providing high load capacities and low frame deflection demanded by today's construction industry.

SHORE PROP 400 ACCESSORIES

#	Description	Weight
1	Pivot End Connector	10kg
2	Side-web Connector	12kg
3	Beam Clamp	17kg
4	Sole Fixing Plate	25kg
5	Single Bolt Coupler	1kg
6	Screw Jack (400-610mm)	21kg
7	Shore Prop 400 – 100 Flange Connector	11kg
8	Shore Prop 400 – 1000 End Connector	11kg
9	Shore Prop 400 To Tilt Prop Connector	3kg
10	Shore 400 Hydraulic Jacking Bracket	4kg

SHORE PROP 400 PROPERTIES

Cross Sectional Area	3348mm^2
Moment of Inertia in x-direction (Ixx)	17.37 x 10^{6}mm^4
Moment of Inertia in y-direction (Iyy)	9.97 x 10^{6}mm^4
Radius of Gyration in x-direction (rxx)	72.03mm
Radius of Gyration in y-direction (ryy)	54.58mm
Elastic Section Modulus in x-direction (Zxx)	183 x 10^{3}mm^3
Elastic Section Modulus in y-direction (Zyy)	105 x 10^{3}mm^3
Plastic Section Modulus in x-direction (Sxx)	220 x 10^{3}mm^3
Plastic Section Modulus in y-direction (Syy)	166 x 10^{3}mm^3
Young's Modulus of Elasticity, E	200 x 10^{3}MPa
Minimum Yield Stress of Prop Material (fy)	340MPa

Note: Specifications are approximate.

SHORE PROP 400

SHORE PROP 1000

A HEAVY-DUTY PROPPING SYSTEM DESIGNED FOR HIGH LOADS.

The main strength of this system is its rigid and robust construction and versatility, which make it ideally suited for heavy-duty back propping, temporary bridge propping, heavy-duty towers, and falsework.

Shore Prop 1000 can be configured for a huge variety of applications and used in conjunction with Shore Prop 200, Shore Prop 400 and Shore Prop 100. This allows for a wide arrangement of towers and structures, minimising the need for fabricated steel structures.

USES

- Back propping
- Facade retention
- Heavy-duty falsework
- Bridge propping
- Access platforms
- Heavy slab propping

FEATURES

- Galvanised
- Compatible with Shore Prop 200, Shore Prop 400 and Shore Prop 100

SHORE PROP 1000

ROBUST CONSTRUCTION AND GALVANISED, THE SHORE PROP 1000 IS BUILT TOUGH.

SHORE PROP 1000 SECTION SPECIFICATIONS

Description	Weight
90mm Section	26kg
270mm Section	36kg
450mm Section	46kg
900mm Section	66kg
1800mm Section	114kg
2700mm Section	162kg

Note: Specifications are approximate.

SHORE PROP 1000

• Concept and design • Installation • Certification/Signoff

SHORE PROP 1000

Flange Detail

Web Detail

Section Detail

End Detail

SHORE PROP 1000 COMPONENTS WITH BASE JACK

Min–Max Height (mm)	kg	Shore Prop 1000 Jack (410–620mm)	Number of Intermediate Beams Required					
			90mm	270mm	450mm	900mm	1800mm	2700mm
410–620	54kg	1						
500–710	79kg	1	1					
680–890	89kg	1		1				
860–1070	99kg	1			1			
950–1160	124kg	1	1		1			
1130–1340	134kg	1		1	1			
1220–1430	159kg	1	1	1	1			
1310–1520	119kg	1				1		
1400–1610	144kg	1	1			1		
1580–1790	154kg	1		1		1		
1670–1880	179kg	1	1	1		1		
1760–1970	164kg	1			1	1		
1940–2150	214kg	1	1	2		1		
2120–2330	224kg	1	1	1	1	1		
2300–2510	191kg	1	1				1	
2480–2690	201kg	1		1			1	
2660–2870	211kg	1			1		1	
2840–3050	261kg	1	1	2			1	
3020–3230	271kg	1	1	1	1		1	
3200–3410	239kg	1	1					1
3380–3590	249kg	1		1				1
3560–3770	259kg	1			1			1
3740–3950	309kg	1	2		1			1
3920–4130	319kg	1	1	1	1			1
4100–4310	304kg	1	1			1		1
4280–4490	294kg	1		1				1
4460–4670	324kg	1			1	1		1
4640–4850	374kg	1	1	2		1		1
4820–5030	384kg	1		3		1		1
5000–5210	351kg	1	1				1	1
5180–5390	361kg	1		1			1	1
5360–5570	371kg	1			1		1	1
5540–5750	396kg	1	2		1		1	1
5720–5930	431kg	1	1	1	1		1	1
5900–6110	399kg	1	1					2
6080–6290	409kg	1		1				2
6260–6470	419kg	1			1			2
6440–6650	469kg	1	2		1			2
6620–6830	479kg	1		3				2
6800–7010	464kg	1	1			1		2
6980–7190	474kg	1		1		1		2
7160–7370	484kg	1			1	1		2
7340–7550	534kg	1	1	2		1		2
7520–7730	544kg	1	1	1	1	1		2
7700–7910	511kg	1	1				1	2
7880–8090	521kg	1		1			1	2
8060–8270	531kg	1			1		1	2
8240–8450	581kg	1	2		1		1	2
8420–8630	591kg	1	1	1	1		1	2
8600–8810	559kg	1	1					3
8780–8990	569kg	1		1				3
8960–9170	579kg	1			1			3
9140–9350	629kg	1	2		1			3
9320–9530	639kg	1	1	1	1			3
9500–9710	649kg	1		2	1			3
9680–9890	634kg	1		1		1		3
9860–10070	644kg	1			1	1		3
10040–10250	694kg	1	2		1	1		3
10220–10430	704kg	1	1	1	1	1		3
10400–10610	671kg	1	1				1	3
10580–10790	681kg	1		1			1	3
10760–10970	691kg	1			1		1	3
10940–11150	741kg	1	2		1		1	3
11120–11330	751kg	1	1	1	1		1	3
11300–11510	736kg	1	1			1	1	3

SHORE PROP 1000 – ACCESSORIES

THE SHORE PROP 1000 IS THE BEST FIT FOR A VARIETY OF PROJECTS.

An extensive range of ancillary equipment is available, including rocking heads used for raking shores up to 45 degrees, needle beams, and sleepers used as base pads.

Shore Prop 1000 is a versatile heavy-duty support system that can be used in single or multiple leg support configurations.

SHORE PROP 1000 ACCESSORIES SPECIFICATION

Description	Weight
Screw Jack (410–620mm)	60kg
Rocking Head	50kg
Needle Beam Fixing Clamp	18.3kg
Transfer Fixing Plate	48.5kg
Shore Prop 400 – 1000 End Connector	11kg
Shore 1000 Strut Adaptor	4.5kg
Shore 100 Strut Adaptor	4.2kg
Shore 1000 22.5 Degree Angle Adaptor	16kg
Shore 1000 – 400 Plate Connector	19kg
Shore 1000 Hydraulic Jacking Unit	95kg

Note: Specifications are approximate.

Screw Jack

Shore 1000 Strut Adaptor

Rocking Head

Shore 100 Strut Adaptor

Needle Beam Fixing Clamp

Shore 1000 22.5 Degree Angle Adaptor

Transfer Fixing Plate

Shore 1000-400 Plate Connector

Shore 400-1000 End Connector

Shore 1000 - Hydraulic Jacking Unit

SHORE PROP 1000

THE VERTICAL WORKING LOAD LIMIT CAPACITY CHART IS BASED ON THE FOLLOWING PRINCIPLES OF DESIGN:

- The Shore Prop 1000 jack is positioned at the base, and both ends are laterally restrained
- The working load limit values are the limit state design capacity values divided by a load factor of 1.5
- An eccentricity of axial load of L/200 has been applied around the minor axis
- All assembly bolts are fully tensioned
- Intermediate capacities for various effective lengths can be interpolated from the chart

Note: Consultation should be made with Shore Hire Engineering Services for design parameters outside the above scope.

SHORE PROP 1000 PROPERTIES

Cross Sectional Area	5821mm^2	Elastic Section Modulus in y-direction (Zyy)	303.1 x 10^{3}mm^3
Moment of Inertia in x-direction (Ixx)	59.6 x 10^{6}mm^4	Plastic Section Modulus in x–direction (Sxx)	538 x 10^{3}mm^3
Moment of Inertia in y-direction (Iyy)	42.4 x 10^{6}mm^4	Plastic Section Modulus in y-direction (Syy)	457 x 10^{3}mm^3
Radius of Gyration in x-direction (rxx)	101.2mm	Young's Modulus of Elasticity, E	200 x 10^{3}MPa
Radius of Gyration in y-direction (ryy)	85.4mm	Minimum Yield Stress of Prop Material (fy)	345MPa
Elastic Section Modulus in x-direction (Zxx)	441.5 x 10^{3}mm^3		

Note: Specifications are approximate.