


# SHOCK or BLOCK

OPTIONS FOR EVERY APPLICATION

## ATTACHMENT OPTIONS

		RF8080 SHOCK: the Sheaveless BLOCK	RF13101 Series 13 AP Kite Block	RF666 Series 19 AP Utility Block	RF20101 Series 20 BB Block	RF25109 Series 20 BB Orbit Block
<b>Weight</b>	<b>g</b> <b>oz</b>	2.50 <sup>*1</sup> 0.01 <sup>*1</sup>	5.00 0.18	7.50 0.27	15.00 0.53	8.60 0.30
<b>Load Capacity</b>						
MWL	kg lb	175 385	150 330	150 330	250 550	250 <sup>*2</sup> 550 <sup>*2</sup>
BL	kg lb	350 770	300 660	400 880	550 1210	550 <sup>*2</sup> 1210 <sup>*2</sup>
<b>Dimensions</b>						
Length	mm	22.9	30.9	31.6	37.9	32.3
	in.	7/8	1 1/4	1 1/4	1 1/2	1 1/4
Width	mm	14.9	16.5	19.2	20.5	20.3
	in.	9/16	5/8	3/4	13/16	13/16
Depth	mm	8.5	12.8	9.9	15.2	16.4
	in.	5/16	1/2	3/8	5/8	5/8
Lead Height <sup>*3</sup>	mm	17.9	16.1	15.0	19.0	14.2
	in.	11/16	5/8	5/8	3/4	9/16
<b>Rope/Line Capacity</b>						
Line Capacity	mm	1.4 - 5.0	1.4 - 4.0	1.4 - 5.0	2.0 - 6.0	1.4 - 6.0
	in.	1/16 - 3/16	1/16 - 5/32	1/16 - 3/16	1/8 - 1/4	1/16 - 3/16
Optimum Line Capacity	mm	1.4 - 3.0	1.4 - 3.0	1.4 - 4.0	2.0 - 5.0	1.4 - 5.0
	in.	1/16 - 1/8	1/16 - 1/8	1/16 - 5/32	1/8 - 3/16	1/16 - 3/16
<b>Friction at 45° change of angle with 90kg Block Load</b>						
1.4mm Dyneema® (kite line) (% line load)		3.6 <sup>*4</sup>	3.0	3.2	3.0	3.0
3.0mm Covered Dyneema® (% line load)		7.3 <sup>*4</sup>	5.2	4.8	3.0	3.0
<b>Friction at 180° change of angle</b>						
1.4mm Dyneema® (kite line) (% line load)		6.8 <sup>*4</sup>	4.1	11.0	5.1	5.1
3.0mm Covered Dyneema® (% line load)		16.2 <sup>*4</sup>	5.6	9.4	5.2	5.2
5.0mm Covered Dyneema® (% line load)		19.1 <sup>*4</sup>	NA <sup>*5</sup>	5.6	5.7	5.7
<b>Attachment Compatibility</b>						
Webbing (maximum)	mm	8.0	8.0	X	X	X
	in.	5/16	5/16			
Pigtail		✓	✓	X	X	X
Lashing		✓	✓	X	X	✓
Saddle (RF498)		By Lashing	✓	✓	✓	By Lashing
Shackle (RF1850S)		✓	✓	✓	2 directions	X
Shackle (RF614)		✓	X	✓	✓	X
Becket Hub capability (for 2:1, 3:1)		X	Through head	✓	X	✓
<b>PERFORMANCE CHART</b>						
Weight		Ultra Light	Very Light	-	Light	Light
Size		Ultra Compact	Compact	Compact	-	-
Lead Height		Low Lead	Low Lead	Lowest Lead	Low Lead	Low Lead
Kite Line - Deflection		Good Friction	Very Good Friction	Good Friction	Lowest Friction	Lowest Friction
Yacht Control Line - Deflection		Very Good Friction	Very Good Friction	Very Good Friction	Lowest Friction	Lowest Friction
Yacht Control Line - Purchase System		-	Good Friction	Good Friction	Lowest Friction	Lowest Friction
Impact Resistance		Best	-	-	-	-
Salt Build-up resistance		Best	-	-	-	-
Grit Resistance		Best	-	-	-	-
Durability		Extreme	-	Good	-	-
Load Capacity		High	-	High	High	High
Poor Line Lead (Alignment) Tolerance		Best	-	-	-	-
Ultra-thin Line (Kite Line) Compatibility		Best	-	-	-	-
Soft Attachment Compatibility		Best	Good	-	-	Good
Metal Attachment Compatibility		-	-	Very Good	Best	-
Colour Coding		Yes	Limited	-	-	-
Coolness		Extreme	-	-	-	-

\*1 Less than one third the weight of typical stainless steel thimbles. \*2 Block must be lashed through hub. \*3 Outer edge of block head to bearing point on sheave. \*4 Approximately 33% less than stainless steel thimbles or alloy thimble/rings. \*5 Rope capacity to 4mm (5/32") maximum. Dyneema is a registered trademark of Royal DSM.



SHOCK on  
8mm webbing



SHOCK on  
'Pigtail'



SHOCK on  
Dyneema® Link



SHOCK on  
Lashing



KITE BLOCK  
on Saddle



KITE BLOCK  
on Lashing



KITE BLOCK  
on 'Pigtail'



RF666  
on Saddle



RF20101  
on Saddle



RF20101 with  
Shackle - 2 ways



RF25109  
on Lashing