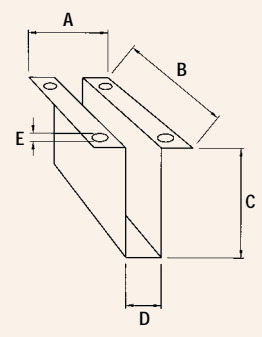




Lines led through decks and bulkheads, or internally in masts and booms, require sheave boxes to minimise friction and prevent chafing. Ronstan manufactures an extensive range of sheave boxes for use with rope and wire. Plain bearing sheaves are ideal for halyards and other applications where high static loads are likely to be encountered. Sheaves for use with rope are in impact resistant Acetal. Nickel-plated Brass or anodised Aluminium sheaves are suitable for use with wire.

PRODUCT No.	A		B		C		D		E	
	mm	(in.)	mm	(in.)	mm	(in.)	mm	(in.)	mm	(in.)
RF454	35	(1 3/8)	44	(1 3/4)	27	(1 1/16)	11.5	(29/64)	5	(3/16)
RF455	35	(1 3/8)	54	(2 1/8)	33	(1 9/32)	11.5	(29/64)	5	(3/16)
RF456AW	40	(1 9/16)	62	(2 7/16)	43	(1 11/16)	16.5	(21/32)	5	(3/16)
RF457	42	(1 21/32)	76	(3)	53	(2 3/32)	17	(43/64)	5	(3/16)
RF458	39	(1 17/32)	44	(1 3/4)	27	(1 1/16)	16	(5/8)	5	(3/16)
RF459	39	(1 17/32)	54	(2 1/8)	33	(1 9/32)	16	(5/8)	5	(3/16)
RF460A	44	(1 3/4)	62	(2 7/16)	44	(1 3/4)	20	(25/32)	5	(3/16)
RF461	47	(1 7/8)	76	(3)	53	(2 3/32)	22	(7/8)	5	(3/16)
RF461AW	47	(1 7/8)	76	(3)	53	(2 3/32)	22	(7/8)	5	(3/16)
RF1194	51	(2 3/8)	44	(1 3/4)	27	(1 1/16)	26.5	(1 3/64)	5	(3/16)



PRODUCT No.	DESCRIPTION	SHEAVE DIAM.		SHEAVE MATERIAL	MAX. ROPE		BL		WEIGHT	
		mm	(in.)		mm	(in.)	kg	(lb)	g	(oz)
Rope Type										
RF458	Single sheave box	28	(1 1/8)	Acetal	8	(5/16)	900	(1980)	40	(1.4)
RF459	Single sheave box	38	(1 1/2)	Acetal	8	(5/16)	900	(1980)	60	(2.1)
RF460A	Single sheave box	45	(1 3/4)	Acetal	10	(3/8)	1000	(2200)	84	(3.0)
RF461	Single sheave box	58	(2 1/4)	Acetal	12	(1/2)	1500	(3310)	165	(5.8)
RF1194	Double sheave box	28	(1 1/8)	Acetal	8	(5/16)	800	(1760)	65	(2.3)
Wire Type										
					MAX. WIRE					
					mm	(in.)				
RF454	Single sheave box	26	(1)	Nickel Pl. Brass	5	(3/16)	1000	(2200)	55	(1.9)
RF455	Single sheave box	38	(1 1/2)	Nickel Pl. Brass	4	(5/32)	1000	(2200)	100	(3.5)
RF456AW	Single sheave box	45	(1 3/4)	Aluminium Alloy	6	(1/4)	1000	(2200)	98	(3.5)
RF457	Single sheave box	58	(2 1/4)	Nickel Pl. Brass	8	(5/16)	2000	(4410)	225	(8.0)
RF461AW	Single sheave box	60	(2 3/8)	Aluminium Alloy	6	(1/4)	1500	(3310)	210	(7.4)



Ball bearing exit blocks provide fast, low friction performance for use with rope. High Load versions of the Series 20 and 30 blocks have a solid bearing and wear resistant sheave Nylatron® for use with wire.

Narrow exit blocks such as RF452, RF453, RF568 and RF569 are typically used in dinghy spars for control lines such as outhauls. The external tabs can be formed to fit the spar

profile before fastening. The sheave of RF453 protrudes beyond the external tabs, allowing it to provide up to a 180° change of direction.

Upright lead blocks have many applications for line deflection and low profile leads above and below deck. RF568 and RF569 exit blocks, when mounted in an inverted position, are frequently used as upright leads.

**Load ratings vary depending on mounting and application.*

MATERIALS

- ▶ UV Stabilised Acetal sheaves for rope
- ▶ Nickel-plated Brass, anodised Aluminium, or Nylatron® sheaves for wire.

PRODUCT No.	DESCRIPTION	SHEAVE DIAM. mm (in.)	MAX. ROPE mm (in.)	FASTENERS mm (in.)	*MWL kg (lb)	*BL kg (lb)	WEIGHT g (oz)
BB Ball Bearing							
RF2379	Single lead block	13 (1/2)	5 (3/16)	4 (3/16)	250 (550)	500 (1100)	20 (0.7)
RF2416	Single upright lead block	28 (1 1/8)	6 (1/4)	6.5 (1/4)	300 (660)	800 (1760)	40 (1.4)
RF20171	Upright lead block	20 (13/16)	6 (1/4)	4 (5/32)	250 (550)	550 (1210)	18 (0.6)
RF20174	Pivoting lead block	20 (13/16)	6 (1/4)	4 (5/32)	250 (550)	550 (1210)	30 (1.0)
RF20711	Exit box, incl. cover plate	20 (13/16)	6 (1/4)	4 (5/32)	250 (550)	1000 (2200)	22 (0.8)
RF20711A	Exit block, side tabs	20 (13/16)	6 (1/4)	4 (5/32)	250 (550)	1000 (2200)	22 (0.8)
RF30171	Upright lead block	30 (1 3/16)	8 (5/16)	5 (3/16)	300 (660)	750 (1650)	30 (1.0)
RF30174	Pivoting lead block	30 (1 3/16)	8 (5/16)	5 (3/16)	300 (660)	750 (1650)	50 (1.7)
RF30711	Single ball bearing exit box	30 (1 3/16)	8 (5/16)	5 (3/16)	300 (660)	750 (1650)	35 (1.2)
RF30721	Double ball bearing exit box	30 (1 3/16)	8 (5/16)	5 (3/16)	300 (660)	750 (1650)	60 (2.1)
RF40171	Upright lead block	40 (1 1/2)	10 (3/8)	5 (3/16)	350 (770)	1000 (2200)	60 (2.1)

AP All Purpose

RF568	Single lead block, removable sheave	19 (3/4)	5 (3/16)	5 (3/16)	250 (550)	500 (1100)	20 (0.7)
RF569	Lead block	19 (3/4)	8 (5/16)	5 (3/16)	250 (550)	500 (1100)	20 (0.7)
RF917	Lead block	19 (3/4)	8 (5/16)	5 (3/16)	250 (550)	500 (1100)	20 (0.7)
RF919	Lead block	29 (1 3/32)	6 (1/4)	5 (3/16)	600 (1320)	1200 (2640)	50 (1.8)

HL High Load

		MAX. WIRE					
		mm	(in.)				
RF452	Exit box, protruding brass sheave	22 (7/8)	3 (1/8)	5 (3/16)	160 (350)	320 (700)	30 (1.1)
RF453	Lead block, flush brass sheave	22 (7/8)	3 (1/8)	5 (3/16)	160 (350)	320 (700)	30 (1.1)
RF20711HL	Exit block, cover plate	20 (3/4)	3 (1/8)	4 (5/32)	275 (600)	1000 (2200)	22 (0.8)
RF30711HL	Single ball bearing exit box	30 (1 3/16)	3 (1/8)	5 (3/16)	375 (820)	750 (1650)	43 (1.5)
RF40171HL	Upright lead block	40 (1 1/2)	4 (5/32)	5 (3/16)	500 (1100)	1000 (2200)	59 (2.1)
RF50171HL	Upright lead block	50 (2)	5 (3/16)	6 (1/4)	800 (1760)	1500 (3310)	115 (4.1)



Deck organisers are an effective means of deflecting halyards and other control lines to winches, stoppers and cleats. Two sizes are available in each configuration: double, triple and quadruple. Sheaves are made from impact resistant Acetal.

All deck organisers have black chromed cheeks, flared at rope entry and exit points to minimise chafing.

Press-fit bushes allow easy removal of sheaves for maintenance.

MATERIALS

- ▶ UV stabilised Acetal sheaves
- ▶ Black chromed Grade 316 Stainless Steel cheeks

PRODUCT No.	DESCRIPTION	SHEAVE DIAM.		MAX. ROPE		WEIGHT	
		mm	(in.)	mm	(in.)	g	(oz)
RF448	Double sheave Organiser	38	(1 1/2)	12	(1/2)	150	(5.3)
RF449	Triple sheave Organiser	38	(1 1/2)	12	(1/2)	215	(7.6)
RF450	Double sheave Organiser	48	(1 7/8)	14	(9/16)	305	(10.8)
RF451	Triple sheave Organiser	48	(1 7/8)	14	(9/16)	425	(15.0)
RF473	Four sheave Organiser	38	(1 1/2)	12	(1/2)	270	(9.5)
RF474	Four sheave Organiser	48	(1 7/8)	14	(9/16)	485	(17.1)



These high load wire blocks are used for halyards, backstays, boom vang and many other wire controls. The RF103, RF104 and RF468 have flared cheeks to minimise chafing and removable sheaves for easy fitting and removal of the wire without cutting the termination.

MATERIALS

Small Wire Blocks

- ▶ Grade 316 Stainless Steel cheeks
- ▶ Nickel-plated Brass sheaves or anodised Aluminium (AW versions)
- ▶ Nylon cheeks (RF668)

Large Wire Blocks

- ▶ Black chromed Grade 316 Stainless Steel cheeks
- ▶ Nickel-plated Brass or Stainless Steel (RF502) sheave
- ▶ Grade 316 Stainless Steel load straps and head fittings
- ▶ Chromated mild Steel hook (RF502)

PRODUCT No.	DESCRIPTION	SHEAVE DIAM.		MAX WIRE		MWL		BL		WEIGHT	
		mm	(in.)	mm	(in.)	kg	(lb)	kg	(lb)	g	(oz)
RF69	Single block, bolt head	74	(3)	5	(3/16)	2000	(4400)	4000	(8800)	440	(15.5)
RF69S	Single block, swivel eye head	74	(3)	5	(3/16)	1200	(2640)	2400	(5280)	480	(17.0)
RF71	Single block, flat eye head	74	(3)	5	(3/16)	1500	(3300)	3000	(6600)	490	(17.3)
RF103AW	Single block, tubular rivet head, removable sheave	45	(1 3/4)	4	(5/32)	850	(1870)	1700	(3740)	108	(3.8)
RF104AW	Single block, ferrule top, removable sheave	45	(1 3/4)	4	(5/32)	850	(1870)	1700	(3740)	102	(3.6)
RF418	Single block, tubular rivet head	25	(1)	3	(1/8)	450	(990)	900	(1980)	40	(1.4)
RF418C	Single block, removable clevis pin head	25	(1)	3	(1/8)	450	(990)	900	(1980)	39	(1.4)
RF468AW	Single block ferrule top, removable sheave	32	(1 1/4)	3	(1/8)	450	(990)	900	(1980)	39	(1.4)
RF502	Single block, colour chromated mild steel hook top	53	(2 1/4)	5	(3/16)	1000	(2200)	2000	(4400)	465	(16.4)
RF560	Single block, ferrule eye	19	(3/4)	3	(1/8)	250	(550)	500	(1100)	20	(0.7)
RF667	Single block, loop top	19	(3/4)	2	(3/32)	200	(440)	400	(880)	20	(0.7)
RF668	Single block, light duty, elongated eye	14	(9/16)	2	(3/32)	40	(90)	150	(330)	10	(0.4)