VEVOR SBR16 Linear Guide Rail Set Instruction Manual

VEVOR SBR16 Linear Guide Rail Set

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Have product questions? Need technical support? Please feel free to contact us:

CustomerService@vevor.com

This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won’t inform you again if there are any technology or software updates on our product.

Contents

IMPORTANT SAFETY INFORMATION

WARNING:
Read this material before using this product. Failure to do so can result in serious injury.
SAVE THIS MANUAL

Precautions

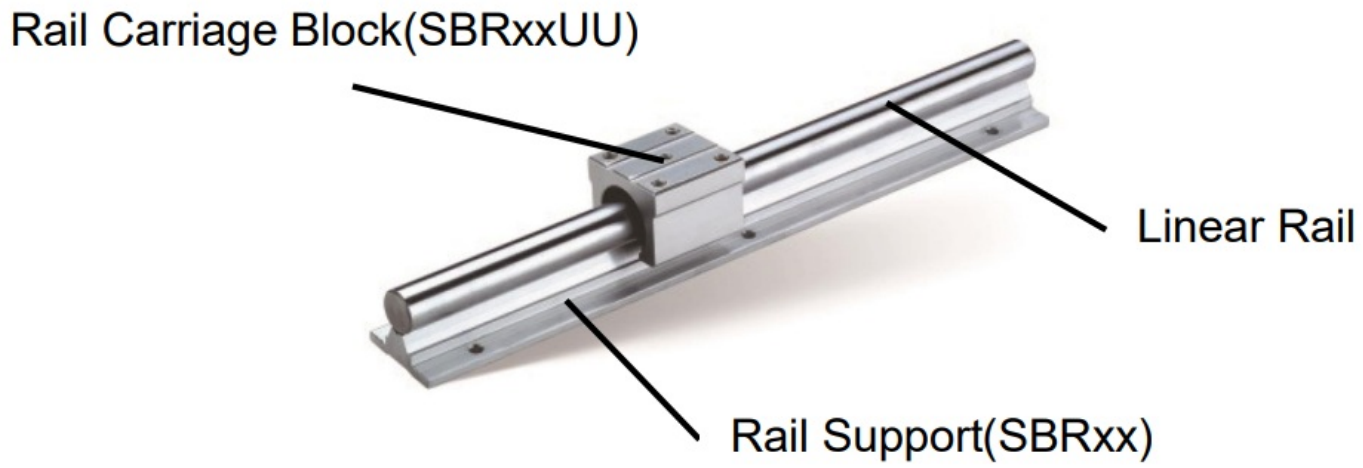
1. Proper installation: Linear guide rails must be installed properly to ensure accurate and smooth motion. Improper installation can cause misalignment, binding, or excessive wear.
2. Load capacity: Be sure to use a linear guide rail with a load capacity that is sufficient for the weight of the moving part. Overloading the guide rail can cause excessive wear or permanent damage.
3. Maintenance: Regular cleaning and lubrication of the guide rail and sliding block are important to maintain proper performance and extend the service life of the guide rail.
4. Alignment: Make sure that the linear guide rail is properly aligned and perpendicular to the direction of travel to reduce friction and wear.
5. Environmental conditions: Linear guide rails should be protected from extreme temperatures, moisture, dust, and other environmental conditions that can affect performance.
6. Protection from impact: Linear guide rails should be protected from impact and other sources of shock, as these can cause damage to the rail or sliding block.
7. Inspection: Regular inspection of the guide rail and sliding block is important to identify and address any problems or wear before they become serious.

Troubleshooting

1. Binding or sticking: This can be caused by misalignment, improper lubrication, or excessive wear. To resolve this issue, the guide rail and sliding block should be inspected and realigned if necessary, and lubricated with the appropriate grease.
2. Excessive wear: This can be caused by overloading, improper lubrication, or misalignment. To resolve this issue, the load on the guide rail should be reduced, and the guide rail and sliding block should be inspected, realigned if necessary, and lubricated with the appropriate grease.
3. Misalignment: This can be caused by improper installation or by wear overtime. To resolve this issue, the guide rail and sliding block should be inspected and realigned if necessary.
4. Noisy operation: This can be caused by a lack of lubrication, misalignment, or excessive wear. To resolve this issue, the guide rail and sliding block should be lubricated with the appropriate grease, inspected and realigned if necessary.
5. Reduced accuracy: This can be caused by misalignment, binding, or excessive wear. To resolve this issue, the guide rail and sliding block should be inspected, realigned if necessary, lubricated with the appropriate grease, and checked for proper alignment.

PRODUCT SPECIFICATIONS

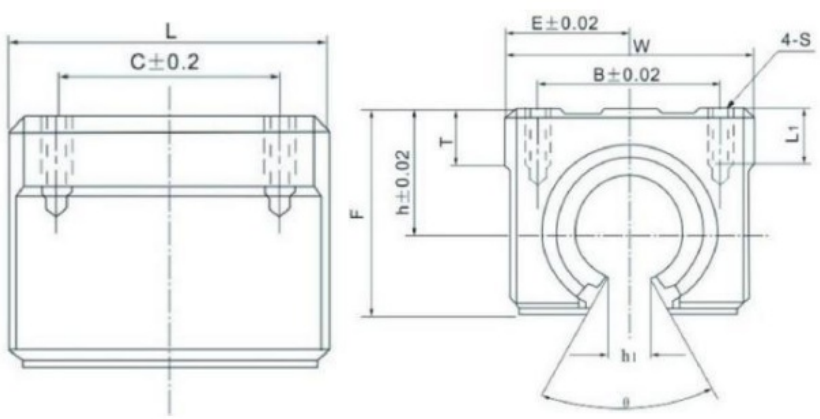
SBR LINEAR GUIDE RAIL



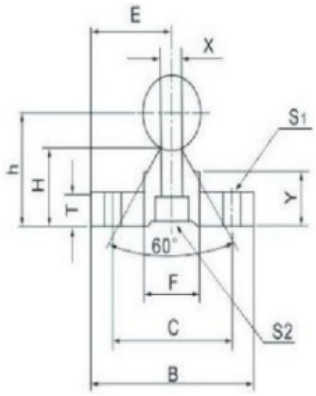
Linear Rail

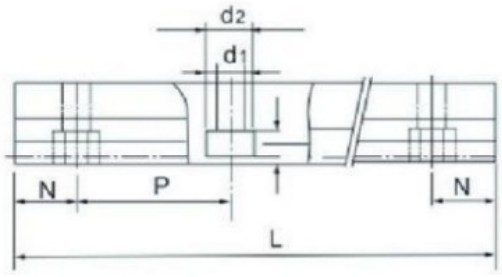
- Material: GCR15 …… 45″
- Hardness: HRC62+2(45*:HRC58)
- Surface Hard-thickness: 0.8~2.5mm
- Surface roughness: 0.8S~1.6S
- Straightness: 80μm/1000mm
- Roundness: ≤3.0μm(Rmax)

Rail Carriage Block(SBRxxUU)



Rail Support(SBRxx)





SBR12-C 1000L

Part name	Dimensions(mm)											
	h	E	W	L	F	h1	θ	B	C	S	L1	T
SBR12UU	17	20	40	39	27.6	6	80°	28	26	M5	10	7

Part name	Dimensions(mm)										
	Shaft Dimensions	E	h	B	H	T	F	X	Y	C	S1
SBR12	Φ12×1000L	15	22.5	32	16.5	4	12	6	12	22	Φ5

SBR16-C 800L

Part name	Dimensions(mm)											
	h	E	W	L	F	h1	θ	B	C	S	L1	T
SBR16UU	20	22.5	45	45	33	10	80°	32	30	M5	12	9

Part name	Dimensions(mm)											
	Shaft Dimensions	E	h	B	H	T	F	X	Y	C	S1	
SBR16	Φ16×800L	20	25	40	17.8	5	18.5	8	11.7	30	Φ6	

SBR16-C 1000L

Part name	Dimensions(mm)											
	h	E	W	L	F	h1	θ	B	C	S	L1	T
SBR16UU	20	22.5	45	45	33	10	80°	32	30	M5	12	9

Part name	Dimensions(mm)										
	Shaft Dimensions	E	h	B	H	T	F	X	Y	C	S1
SBR16	Φ16×1000L	20	25	40	17.8	5	18.5	8	11.7	30	Φ6

SBR16-C 1500L

Part name	Dimensions(mm)											
	h	E	W	L	F	h1	θ	B	C	S	L1	T
SBR16UU	20	22.5	45	45	33	10	80°	32	30	M5	12	9

Part name	Dimensions(mm)										
	Shaft Dimensions	E	h	B	H	T	F	X	Y	C	S1
SBR16	Φ16×1500L	20	25	40	17.8	5	18.5	8	11.7	30	Φ6

SBR16-C 2000L

Part name	Dimensions(mm)											
	h	E	W	L	F	h1	θ	B	C	S	L1	T
SBR16UU	20	22.5	45	45	33	10	80°	32	30	M5	12	9

Part name	Dimensions(mm)									
	Shaft Dimensions	E	h	B	H	T	F	X	Y	C	S1
SBR16	Φ16×2000L	20	25	40	17.8	5	18.5	8	11.7	30	Φ6

SBR20-C 800L

Part name	Dimensions(mm)											
	h	E	W	L	F	h1	θ	B	C	S	L1	T
SBR20UU	23	24	48	50	39	10	60°	35	35	M6	12	11

Part name	Dimensions(mm)										
	Shaft Dimensions	E	h	B	H	T	F	X	Y	C	S1
SBR20	Φ20×800L	22.5	27	45	17.7	5	19	8	10	35	Φ6

SBR20-C 1000L

Part name	Dimensions(mm)											
	h	E	W	L	F	h1	θ	B	C	S	L1	T
SBR20UU	23	24	48	50	39	10	60°	35	35	M6	12	11

Part name	Dimensions(mm)										
	Shaft Dimensions	E	h	B	H	T	F	X	Y	C	S1
SBR20	Φ20×1000L	22.5	27	45	17.7	5	19	8	10	35	Φ6

SBR20-C 1200L

Part name	Dimensions(mm)											
	h	E	W	L	F	h1	θ	B	C	S	L1	T
SBR20UU	23	24	48	50	39	10	60°	35	35	M6	12	11

Part name	Dimensions(mm)										
	Shaft Dimensions	E	h	B	H	T	F	X	Y	C	S1
SBR20	Φ201200L	22.5	27	45	17.7	5	19	8	10	35	Φ6

SBR20-C 1500L

Part name	Dimensions(mm)											
	h	E	W	L	F	h1	θ	B	C	S	L1	T
SBR20UU	23	24	48	50	39	10	60°	35	35	M6	12	11

Part name	Dimensions(mm)										
	Shaft Dimensions	E	h	B	H	T	F	X	Y	C	S1
SBR20	Φ20×1500L	22.5	27	45	17.7	5	19	8	10	35	Φ6

SBR20-C 1800L

Part name	Dimensions(mm)											
	h	E	W	L	F	h1	θ	B	C	S	L1	T
SBR20UU	23	24	48	50	39	10	60°	35	35	M6	12	11

Part name	Dimensions(mm)									
	Shaft Dimensions	E	h	B	H	T	F	X	Y	C	S1
SBR20	Φ20×1800L	22.5	27	45	17.7	5	19	8	10	35	Φ6

SBR20-C 2200L

Part name	Dimensions(mm)											
	h	E	W	L	F	h1	θ	B	C	S	L1	T
SBR20UU	23	24	48	50	39	10	60°	35	35	M6	12	11

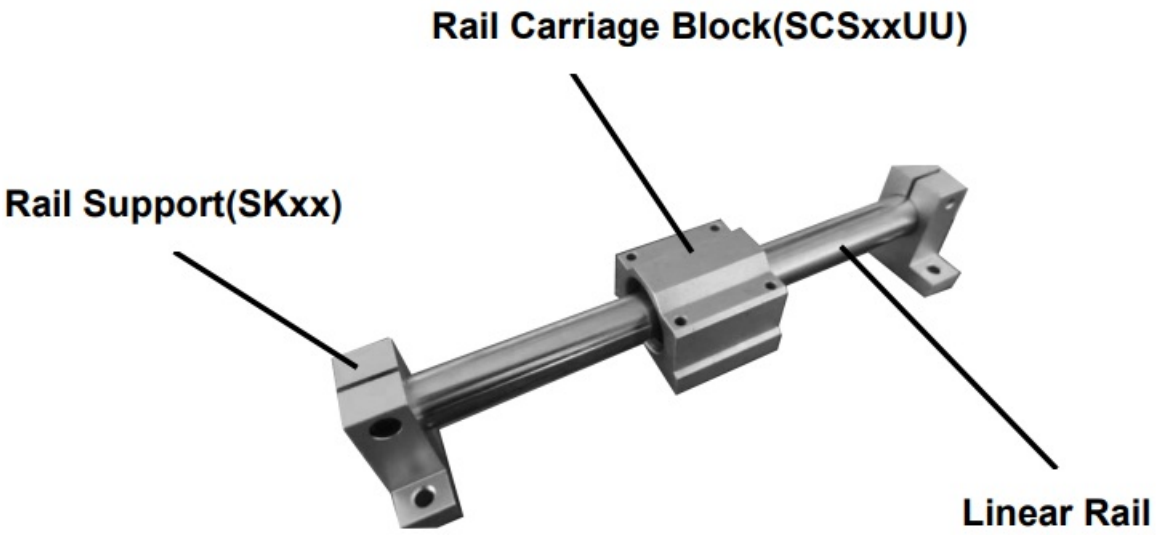
Part name	Dimensions(mm)										
	Shaft Dimensions	E	h	B	H	T	F	X	Y	C	S1
SBR20	Φ2×2200L	22.5	27	45	17.7	5	19	8	10	35	Φ6

SBR25-C 1200L

Part name	Dimensions(mm)											
	h	E	W	L	F	h1	θ	B	C	S	L1	T
SBR25UU	27	30	60	65	47	11.5	50°	40	40	M6	12	14

Part name	Dimensions(mm)										
	Shaft Dimensions	E	h	B	H	T	F	X	Y	C	S1
SBR25	Φ25×1200L	27.5	33	55	21	6	21.5	8	12	40	Φ6.5

LINEAR SLIDE RAIL



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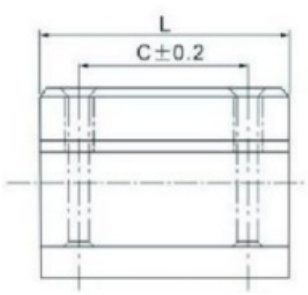
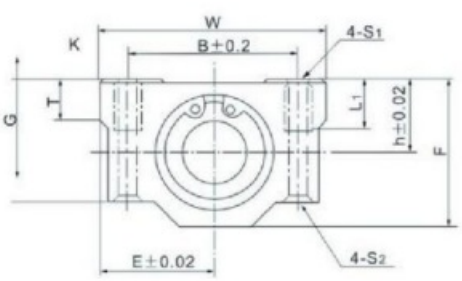
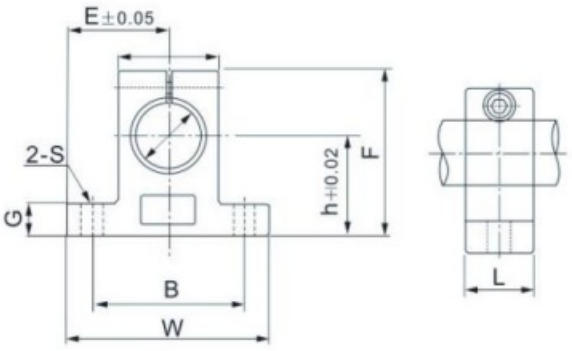




Rail Support (SKxx)



SFC16-1000L

Part name	Dimensions(mm)												
	T	h	E	W	L	F	G	B	C	K	S1	S2	L1
SCS16UU	9	19	25	50	44	38.5	32.5	36	34	7	M5	4.3	12

Part name	Dimensions(mm)								
	Shaf Dimensions	h	E	W	L	F	G	P	B	S
SK16	Φ16×1000L	27	24	48	16	44	8	25	38	5.5

SFC20-1000L

Part name	Dimensions(mm)												
	T	h	E	W	L	F	G	B	C	K	S1	S2	L1
SCS20UU	11	21	27	54	50	41	35	40	40	7	M6	5.2	12

Part name	Dimensions(mm)										
	Shaf Dimensions	h	E	W	L	F	G	P	B	S	
SK20	Φ20×1000L	31	30	60	20	51	10	30	45	6.6	

SFC20-1200L

Part name	Dimensions(mm)											
	T	h	E	W	L	F	G	B	C	K	S1	S2	L1
SCS20UU	11	21	27	54	50	41	35	40	40	7	M6	5.2	12

Part name	Dimensions(mm)									
	Shaf Dimensions	h	E	W	L	F	G	P	B	S
SK20	Φ20×1200L	31	30	60	20	51	10	30	45	6.6

Address Baoshanqu Shuangchenglu 803long 11hao 1602A-1609shi Shanghai

Imported to AUS: SIHAO PTY LTD, 1 ROKEVA STREETEASTWOODNSW 2122 Australia

Imported to USA: VEVOR STORE INC, 9448 RINCHMONDPL#ERANCHO CUCAMONGA, California, 91730 United States of America

UK REP **Pooledas Group Ltd Unit 5 Albert Edward House, The Pavilions Preston, United Kingdom**

EC REP **SHUNSHUN GmbH Römeräcker 9 Z2021, 76351 Linkenheim-Hochstetten, Germany**

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Documents / Resources

	**VEVOR SBR16 Linear Guide Rail Set** [pdf] Instruction Manual SBR16 Linear Guide Rail Set, SBR16, Linear Guide Rail Set, Guide Rail Set, Rail Set, Set

References

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