

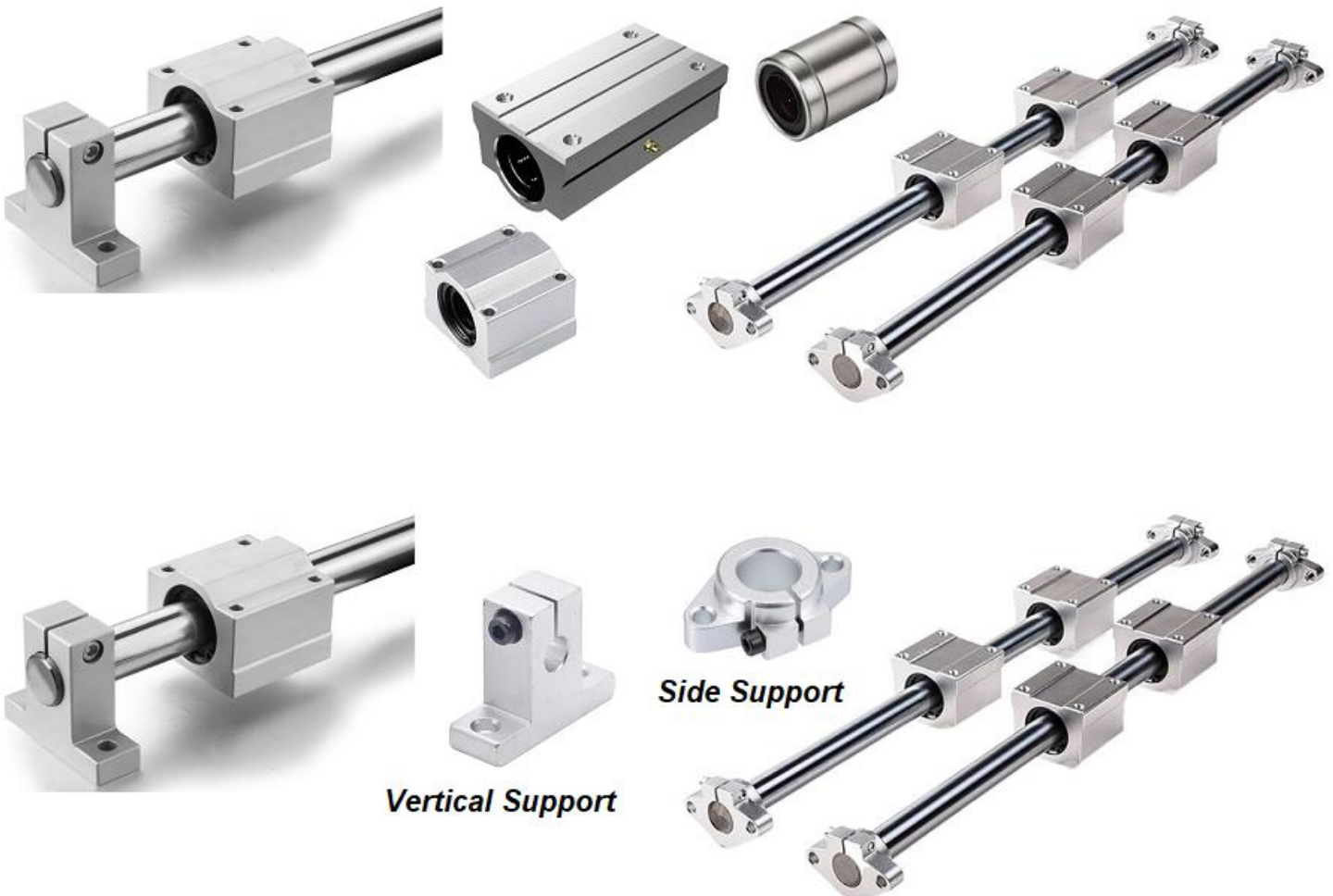
MotionTek Drive Systems

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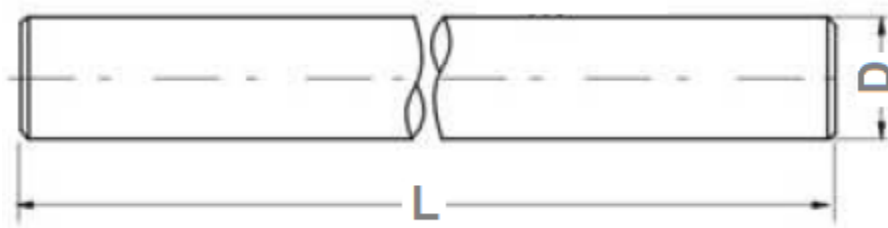
Linear Round Shaft & Bearing Pillow/Block Technical Specifications & Catalogue

- Linear round shaft (LRS) for CNC machines and linear motion systems. Available in diameters 6mm to 150mm. Standard lengths up to 4000mm (157"). In-stock sizes: 16mm, 20mm, 25mm.
- Sit support unit (LRSUA) and side support unit (LRSUB) for round shaft mounting. Available in shaft diameters 3mm to 60mm.
- Block bearing single (LRBC), L-type double bearing block (LRBCL) and close-type bearing (LMC). Complete linear motion system available.

LINEAR ROUND SHAFT (LRS)

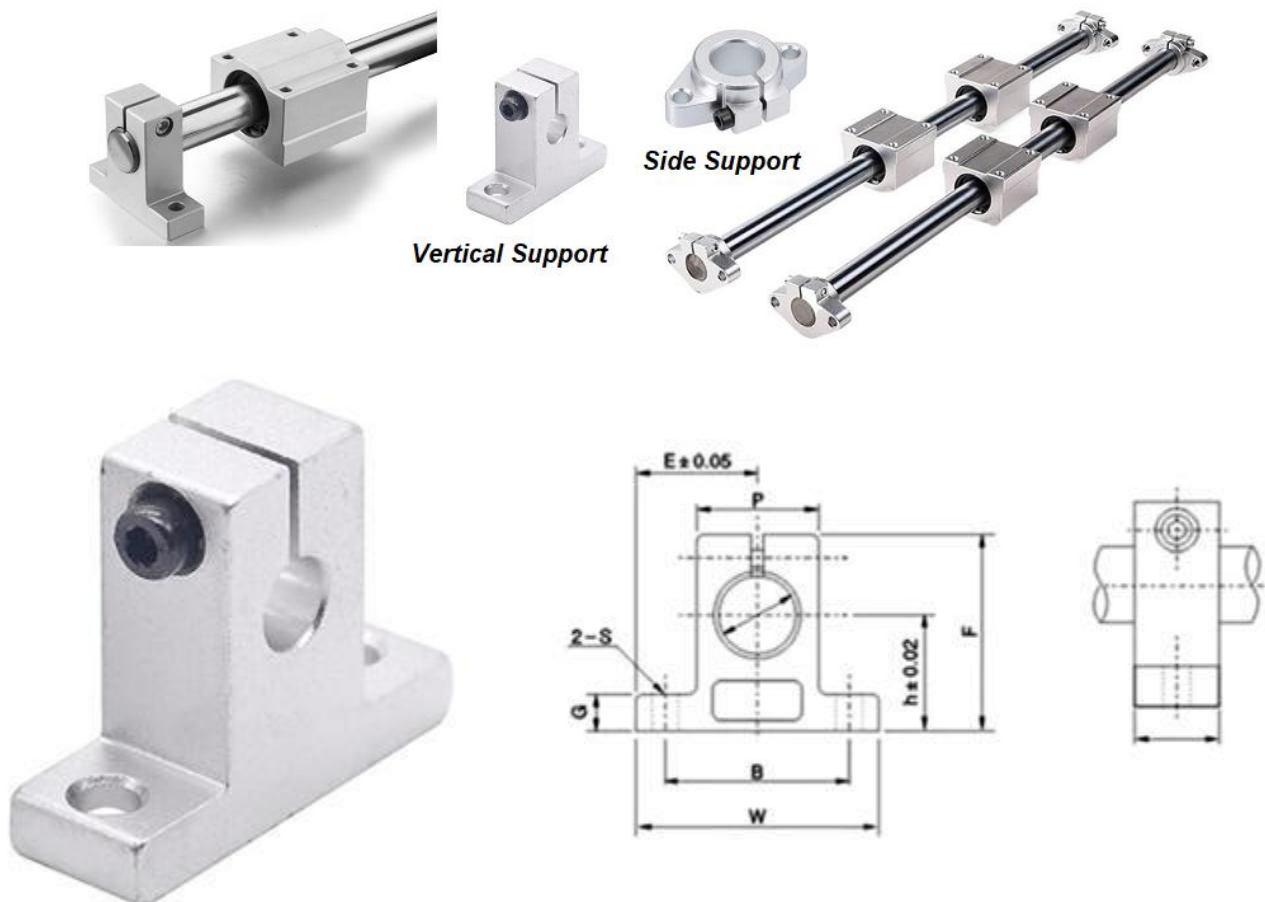


LINEAR ROUND SHAFT (LRSC) — BY ORDER



Item #	Shaft Diameter (D)	Length (L)	Price
LRS16	16mm / 5/8"	4000mm / 157.5"	In stock
LRS20	20mm / 0.78"	4000mm / 157.5"	In stock
LRS25	25mm / 1"	4000mm / 157.5"	In stock
LRS06	6mm / 0.236"	1000mm / 39.37"	By Order
LRS10	10mm / 0.393"	2000mm / 78.74"	By Order
LRS12	12mm / 0.472"	2500mm / 98.42"	By Order
LRS30	30mm / 1.181"	4000mm / 157.5"	By Order
LRS35	35mm / 1.378"	3500mm / 137.79"	By Order
LRS40	40mm / 1.574"	3500mm / 137.79"	By Order
LRS50	50mm / 1.968"	3000mm / 118.11"	By Order
LRS60	60mm / 2.362"	3000mm / 118.11"	By Order
LRS80	80mm / 3.149"	3000mm / 118.11"	By Order
LRS100	100mm / 3.937"	2500mm / 98.42"	By Order
LRS120	120mm / 4.724"	2500mm / 98.42"	By Order
LRS150	150mm / 5.905"	2500mm / 98.42"	By Order

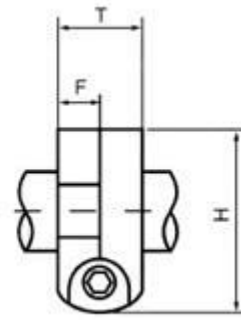
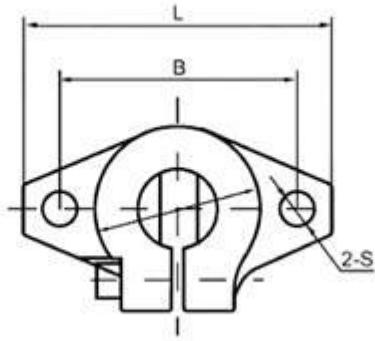
LRSUA DIMENSIONAL SPECIFICATIONS (ALL DIMENSIONS IN mm)



Model No.	Shaft Diam	h	E	W	L	F	G	P	B	S	Clamp Bolt	Mount Bolt
LRSUA03	3	20	21	42	14	37.5	6	18	32	5.5	M4	M5
LRSUA04	4	20	21	42	14	37.5	6	18	32	5.5	M4	M5
LRSUA05	5	20	21	42	14	37.5	6	18	32	5.5	M4	M5
LRSUA06	6	20	21	42	14	37.5	6	18	32	5.5	M4	M5
LRSUA08	8	20	21	42	14	37.5	6	18	32	5.5	M4	M5
LRSUA10	10	20	21	42	14	37.5	6	18	32	5.5	M4	M5
LRSUA12	12	23	21	42	14	37.5	6	20	32	5.5	M4	M5
LRSUA13	13	23	21	42	14	37.5	6	20	32	5.5	M4	M5
LRSUA16	16	27	24	48	16	44	8	25	38	5.5	M5	M6
LRSUA20	20	31	30	60	20	51	10	30	45	6.6	M6	M6
LRSUA25	25	35	35	70	24	60	12	38	56	6.6	M6	M8
LRSUA30	30	42	42	84	28	70	12	44	64	9	M8	M10
LRSUA35	35	50	49	98	32	82	15	50	74	11	M8	M10
LRSUA40	40	60	57	114	36	96	15	60	90	11	M10	M10
LRSUA50	50	70	63	126	40	120	18	74	100	14	M12	M12
LRSUA60	60	80	74	148	45	136	18	90	120	14	M12	M12

h=Housing Height | E=Flange Height | W=Flange Width | L=Body Length | F=Hole Spacing | G=Slot Length | P=Slot Width | B=Bolt Circle | S=Screw Diameter
| Clamp Bolt=Shaft Clamp | Mount Bolt=Base Mount

LRSUB | SIDE SUPPORT UNIT (SHAFT SUPPORT)

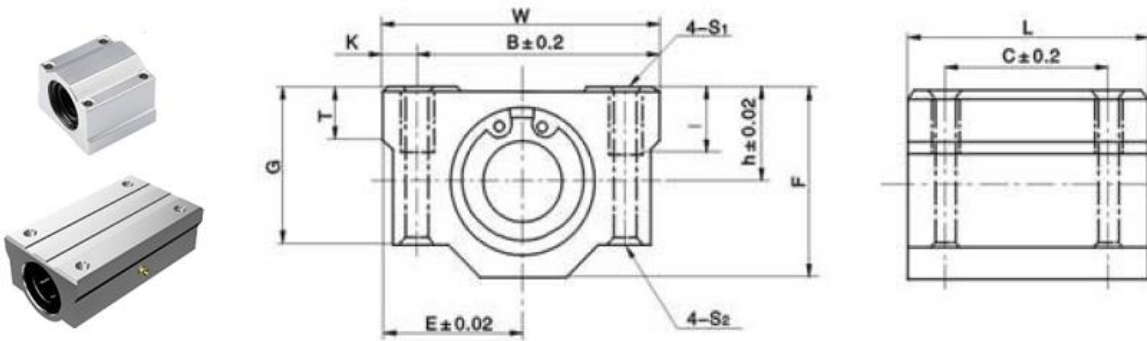


LRSUB DIMENSIONAL SPECIFICATIONS (ALL DIMENSIONS IN mm)

Model No.	Shaft Diam	L	T	F	B	G	H	S	Clamp Bolt	Mount Bolt
LRSUB10	10	43	10	5	32	20	24	5.5	M4	M5
LRSUB12	12	47	13	7	36	25	28	5.5	M4	M5
LRSUB13	13	47	13	7	36	25	28	5.5	M4	M5
LRSUB16	16	50	16	8	40	28	31	5.5	M4	M5
LRSUB20	20	60	20	8	48	34	37	7	M5	M6
LRSUB25	25	70	25	10	56	40	42	7	M5	M6
LRSUB30	30	80	30	12	64	46	50	9	M6	M8
LRSUB35	35	92	35	14	72	50	58	12	M8	M10
LRSUB40	40	102	40	16	80	56	67	12	M10	M10
LRSUB50	50	122	50	19	96	70	83	14	M12	M12
LRSUB60	60	140	60	23	112	82	95	14	M12	M12

L=Body Length | T=Shaft Diameter | F=Hole Spacing | B=Bolt Circle | G=Slot Length | H=Housing Height | S=Screw Diameter | Clamp Bolt=Shaft Clamp | Mount Bolt=Base Mount

SHAFT BLOCK & BEARING (LRBC | LRBC1 | LMC)

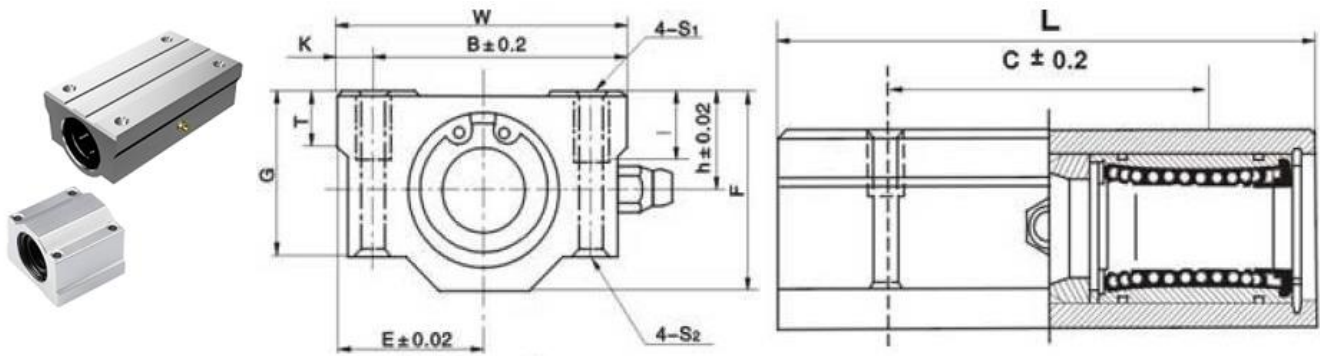


LRBC BLOCK BEARING DIMENSIONAL SPECIFICATIONS — SINGLE BEARING (ALL DIMENSIONS IN mm)

Part#	Dia	h	E	W	L	F	G	T	B	C	K	S1	S2	I	M	c (kgf)	Co (kgf)
LRBC10	10	13	20	40	35	26	21	8	28	21	6	M5	4.3	12	28	42	0.092
LRBC12	12	15	21	42	36	28	24	8	30.5	26	5.75	M5	4.3	12	31	45	0.102
LRBC16	16	19	25	50	44	38.5	32.5	9	36	34	7	M5	4.3	12	44	68	0.20
LRBC20	20	21	27	54	50	41	35	11	40	40	7	M6	5.2	12	66	105	0.255
LRBC25	25	26	38	76	67	51.5	42	12	54	50	11	M6	7	18	75	120	0.60
LRBC30	30	30	39	78	72	59.5	49	15	58	58	10	M8	7	18	120	210	0.735
LRBC35	35	34	45	90	80	68	54	18	70	60	10	M8	7	18	127	240	1.1
LRBC40	40	40	51	102	90	78	62	30	80	60	11	M10	8.7	25	165	307	1.59
LRBC50	50	52	61	122	110	102	80	25	100	100	11	M10	8.7	25	292	607	3.34
LRBC60	60	58	66	132	122	114	94	30	108	108	12	M12	10.7	25	300	670	4.72

h=Housing Height | E=Flange Height | W=Flange Width | L=Body Length | F=Hole Spacing | G=Slot Length | T=Flange Thickness | B=Bolt Circle | C=Counterbore Depth | K=Key Width | S1=Slot1 Width | S2=Slot2 Width | I=Inner Bore | c=Dynamic Load Rating | Co=Static Load Rating

LRBCL BLOCK BEARING DIMENSIONAL SPECIFICATIONS — L-TYPE DOUBLE BEARING (ALL DIMENSIONS IN mm)



Part#	Dia	h	E	W	L	F	G	T	B	C	K	S1	S2	I	M	c (kgf)	Co (kgf)
LRBCL10	10	13	20	40	68	26	21	8	28	46	6	M5	4.3	12	38	56	0.20
LRBCL12	12	15	21	42	70	28	24	8	30.5	50	5.75	M5	4.3	12	42	61	0.22
LRBCL16	16	19	25	50	85	38.5	32.5	9	36	60	7	M5	4.3	12	59	91	0.44
LRBCL20	20	21	27	54	96	41	35	11	40	70	7	M6	5.2	12	88	140	0.56
LRBCL25	25	26	38	76	130	51.5	42	12	54	100	11	M6	7	18	100	160	1.32
LRBCL30	30	30	39	78	140	59.5	49	15	58	110	10	M8	7	18	160	280	1.62
LRBCL35	35	34	45	90	155	68	54	18	70	120	10	M8	7	18	170	320	2.42
LRBCL40	40	40	51	102	175	78	62	30	80	140	11	M10	8.7	25	220	410	3.50
LRBCL50	50	52	61	122	215	102	80	25	100	160	11	M10	8.7	25	390	810	7.35
LRBCL60	60	58	66	132	240	114	94	30	108	180	12	M12	10.7	25	390	810	10.38

h=Housing Height | E=Flange Height | W=Flange Width | L=Body Length (doubled) | F=Hole Spacing | G=Slot Length | T=Flange Thickness | B=Bolt Circle | C=Counterbore Depth | K=Key Width | S1/S2=Slot Width | I=Inner Bore | c=Dynamic Load Rating | Co=Static Load Rating



Item #	Bearing & Block Type	Inner Shaft Diameter	
LMC16	Bearing Only	16mm / 0.629"	
LMC20	Bearing Only	20mm / 0.787"	