

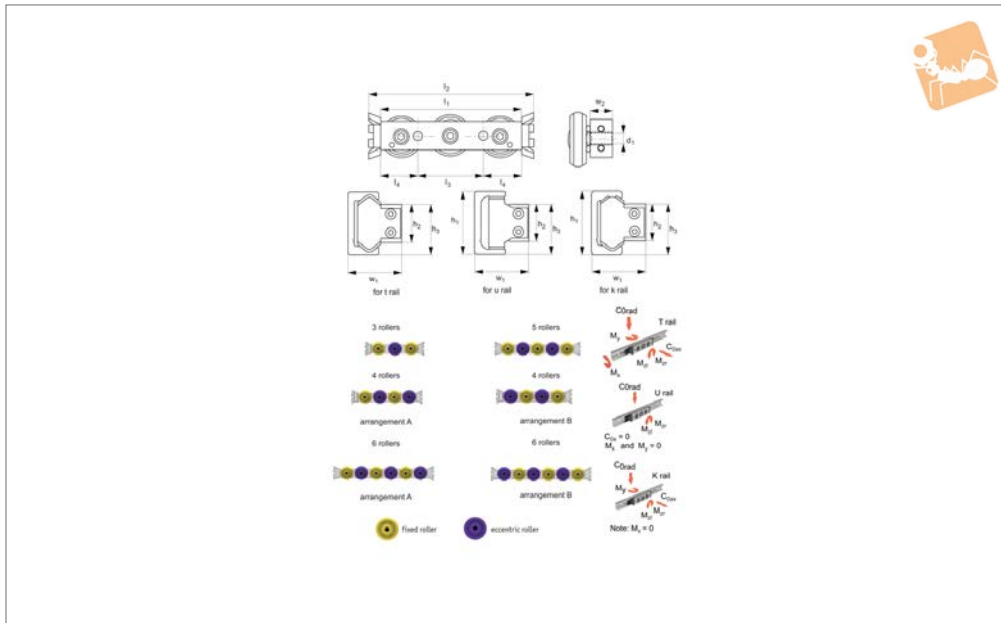


# Very Heavy Sliders - Size 63

no side seal - front fixing - with wiper



Long Linear  
Rails



L1963.CSW

LONG LINEAR RAILS

### Material

Zinc plated steel body.  
Steel rollers (100Cr6) with a special combined metal and rubber seal (2ZR).

### Technical Notes

To be used with compact rail size 63.

Select the relevant carriage for the rail and the required number of carriages to carry the load (taking into account any moment loads).

Unlike the N series sliders these CSW sliders do not have protective side seals.

### Tips

Easy to install (one or more rollers are eccentric allowing for adjustable preload).  
Coefficient of friction (without seals) 0.006.  
Quiet and fast (up to 9 m/s).

Order No.	For rail type	No. of rollers	Seal type	d <sub>1</sub>	h <sub>1</sub> +0.35 -0.10	h <sub>2</sub> +0.5 -0	h <sub>3</sub> +0.10 -0.30	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	Weight kg
L1963.CSW63-180-2ZT	T	3	Metal	M 8	63	39.5	51.6	180	200	54	1.66
L1963.CSW63-180-2ZU	U	3	Metal	M 8	63	39.5	51.6	180	200	54	1.66
L1963.CSW63-180-2ZK	K	3	Metal	M 8	63	39.5	51.6	180	200	54	1.66
L1963.CSW63-235-2ZTA	T	4	Metal	M 8	63	39.5	51.6	235	255	54	2.17
L1963.CSW63-235-2ZUA	U	4	Metal	M 8	63	39.5	51.6	235	255	54	2.17
L1963.CSW63-235-2ZKA	K	4	Metal	M 8	63	39.5	51.6	235	255	54	2.17
L1963.CSW63-235-2ZTB	T	4	Metal	M 8	63	39.5	51.6	235	255	54	2.17
L1963.CSW63-235-2ZUBA	U	4	Metal	M 8	63	39.5	51.6	235	255	54	2.17
L1963.CSW63-235-2ZKB	K	4	Metal	M 8	63	39.5	51.6	235	255	54	2.17
L1963.CSW63-290-2ZT	T	5	Metal	M 8	63	39.5	51.6	290	310	54	2.67
L1963.CSW63-290-2ZU	U	5	Metal	M 8	63	39.5	51.6	290	310	54	2.67
L1963.CSW63-290-2ZK	K	5	Metal	M 8	63	39.5	51.6	290	310	54	2.67
L1963.CSW63-345-2ZTA	T	6	Metal	M 8	63	39.5	51.6	345	365	54	3.17
L1963.CSW63-345-2ZUA	U	6	Metal	M 8	63	39.5	51.6	345	365	54	3.17
L1963.CSW63-345-2ZKA	K	6	Metal	M 8	63	39.5	51.6	345	365	54	3.17
L1963.CSW63-345-2ZTB	T	6	Metal	M 8	63	39.5	51.6	345	365	54	3.17
L1963.CSW63-345-2ZUB	U	6	Metal	M 8	63	39.5	51.6	345	365	54	3.17
L1963.CSW63-345-2ZKB	K	6	Metal	M 8	63	39.5	51.6	345	365	54	3.17

Order No.	l <sub>4</sub>	M <sub>x</sub> Nm	M <sub>y</sub> Nm	M <sub>zr</sub> Nm	M <sub>zl</sub> Nm	w <sub>1</sub> ±0.15	w <sub>2</sub>	Dyn. load C N max.	Static load C <sub>0 ax</sub> N max.	Arrangement type	Static load C <sub>0 rad</sub> N max.
L1963.CSW63-180-2ZT	9	125	271	367	367	49.8	19.5	30750	6000	-	12500
L1963.CSW63-180-2ZU	9	0	0	367	367	49.8	19.5	30750	0	-	12500
L1963.CSW63-180-2ZK	9	0	235	335	335	49.8	19.5	30750	5045	-	11550
L1963.CSW63-235-2ZTA	9.5	250	413	367	1100	49.8	19.5	30750	7200	A	12500



Order No.	$l_4$	$M_x$ Nm	$M_y$ Nm	$M_{zr}$ Nm	$M_{zl}$ Nm	$w_1$ $\pm 0.15$	$w_2$	Dyn. load C N max.	Static load $C_{0\text{ ax.}}$ N max.	Arrangement type	Static load $C_{0\text{ rad.}}$ N max.
L1963.CSW63-235-2ZUA	9.5	0	0	367	1100	49.8	19.5	30750	0	A	12500
L1963.CSW63-235-2ZKA	9.5	0	294	335	935	49.8	19.5	30750	5045	A	11550
L1963.CSW63-235-2ZTB	9.5	250	413	1100	367	49.8	19.5	30750	7200	B	12500
L1963.CSW63-235-2ZUBA	9.5	0	0	1100	367	49.8	19.5	30750	0	A	12500
L1963.CSW63-235-2ZKB	9.5	0	294	935	335	49.8	19.5	30750	5045	B	11550
L1963.CSW63-290-2ZT	10	250	511	1100	1100	49.8	19.5	36600	8500	-	15000
L1963.CSW63-290-2ZU	10	0	0	1100	1100	49.8	19.5	36600	0	-	15000
L1963.CSW63-290-2ZK	10	0	589	935	935	49.8	19.5	36600	6000	-	13745
L1963.CSW63-345-2ZTA	10.5	350	689	1100	1830	49.8	19.5	36600	10000	A	15000
L1963.CSW63-345-2ZUA	10.5	0	0	1100	1830	49.8	19.5	36600	0	A	15000
L1963.CSW63-345-2ZKA	10.5	0	589	935	1560	49.8	19.5	36600	6000	A	13745
L1963.CSW63-345-2ZTB	10.5	350	689	1830	1100	49.8	19.5	36600	10000	B	15000
L1963.CSW63-345-2ZUB	10.5	0	0	1830	1100	49.8	19.5	36600	0	B	15000
L1963.CSW63-345-2ZKB	10.5	0	589	1560	935	49.8	19.5	36600	6000	B	13745