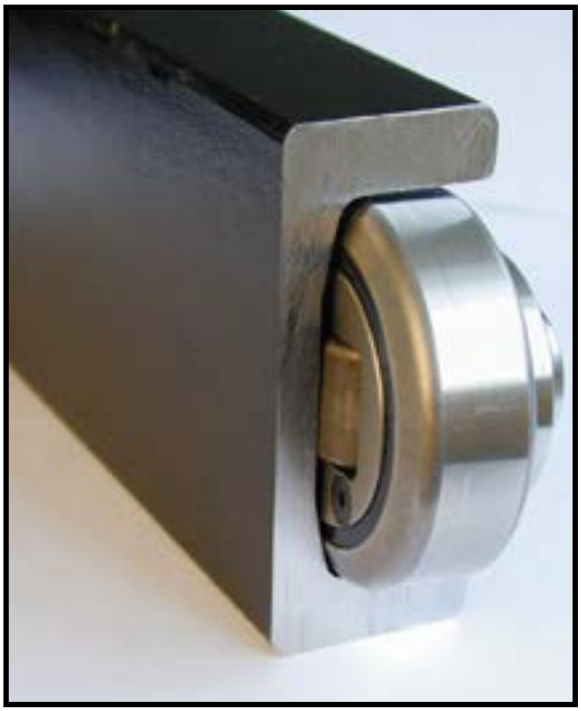
EURO-BEARINGS LTD

LINEAR MOTION PRODUCTS



www.euro-bearings.com

Tel. 01908 511733

email: sales@euro-bearings.com

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KEY
All dimensions in mm
(unless otherwise stated)
C = dynamic load
C_0 = static load
1 kgf = 10 Newtons
UU = 2 seals

PLEASE NOTE: This catalogue is intended to be a quick guide to Euro-Bearings' Linear Motion products. Full technical details can be found online at:

www.euro-bearings.com

G2K LINEAR

EUROPEAN METRIC

LME

LMEF

LMEK

LMEFL

LMEKL

JAPANESE METRIC

LM

LM..OP

LMF

LMK

LMFL

LMKL

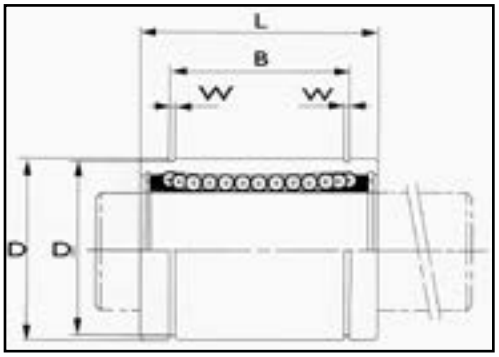
COMPACT (KH) & INCH (LMB)

KH

LMB

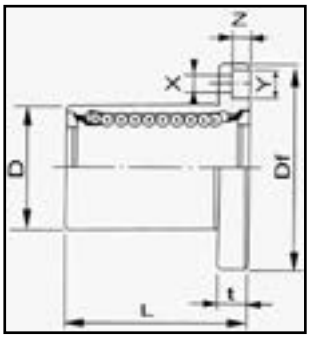
** Further products can be found in the Linear - Ball Bushings section from p10-20 **

LME



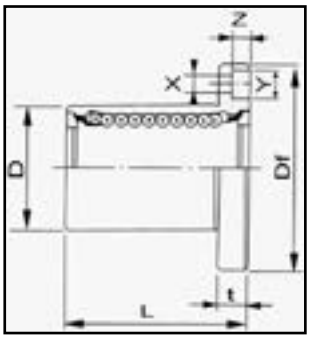
PART	d	D	L	B	W	Circuits	C(kgf)	C_0(kgf)	Weight (g)
LME 8 UU	8	16	25	16.5	1.1	4	27	41	20
LME 12 UU	12	22	32	22.9	1.3	4	52	79	41
LME 16 UU	16	26	36	24.9	1.3	5	59	91	65
LME 20 UU	20	32	45	31.5	1.6	5	88	140	91
LME 25 UU	25	40	58	44.1	1.8	6	100	160	215
LME 30 UU	30	47	68	52.1	1.8	6	160	280	325
LME 40 UU	40	62	80	60.6	2.1	6	220	410	705
LME 50 UU	50	75	100	77.6	2.6	6	390	810	1130
LME 60 UU	60	90	125	101.7	3.1	6	480	1020	2220

LMEF



PART	d	D	L	Df	Dp	Circuits	C (N)	C_0 (N)	Weight (g)
LMEF 8 UU	8	16	25	32	24	4	265	402	41
LMEF 12 UU	12	22	32	42	32	4	510	784	80
LMEF 16 UU	16	26	36	46	36	5	578	892	105
LMEF 20 UU	20	32	45	54	43	5	862	1370	182
LMEF 25 UU	25	40	58	62	51	6	980	1570	335
LMEF 30 UU	30	47	68	76	62	6	1570	2740	560
LMEF 40 UU	40	62	80	98	80	6	2160	4020	1175
LMEF 50 UU	50	75	100	112	94	6	3820	7940	1745
LMEF 60 UU	60	90	125	134	112	6	4700	9800	3220

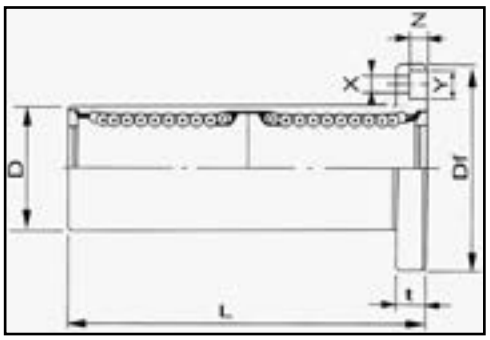
LMEK



PART	d	D	L	Df	Dp	Circuits	C (N)	C_0 (N)	Weight (g)
LMEK 8 UU	8	16	25	32	24	4	265	402	41
LMEK 12 UU	12	22	32	42	32	4	510	784	80
LMEK 16 UU	16	26	36	46	36	5	578	892	103
LMEK 20 UU	20	32	45	54	43	5	862	1370	182
LMEK 25 UU	25	40	58	62	51	6	980	1570	335
LMEK 30 UU	30	47	68	76	62	6	1570	2740	560
LMEK 40 UU	40	62	80	98	80	6	2160	4020	1175
LMEK 50 UU	50	75	100	112	94	6	3820	7940	1745
LMEK 60 UU	60	90	125	134	112	6	4700	9800	3220

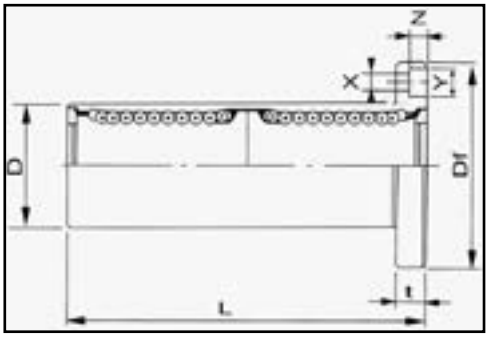
G2K LINEAR

LMEFL



PART	d	D	L	Df	Dp	Circuits	C (N)	C_0 (N)	Weight (g)
LMEFL 8 UU	8	16	46	32	24	4	421	804	59
LMEFL 12 UU	12	22	61	42	32	4	813	1570	110
LMEFL 16 UU	16	26	68	46	36	5	921	1780	160
LMEFL 20 UU	20	32	80	54	43	5	1370	2740	260
LMEFL 25 UU	25	40	112	62	51	6	1570	3140	540
LMEFL 30 UU	30	47	123	76	62	6	2500	5490	815
LMEFL 40 UU	40	62	151	98	80	6	3430	8040	1805
LMEFL 50 UU	50	75	192	112	94	6	6080	15900	2820
LMEFL 60 UU	60	90	209	134	112	6	7550	20000	4920

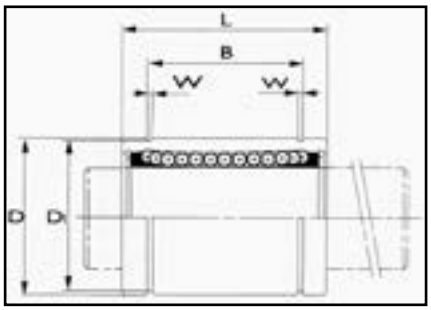
LMEKL



PART	d	D	L	Df	Dp	Circuits	C (N)	C_0 (N)	Weight (g)
LMEKL 8 UU	8	16	46	32	24	4	421	804	51
LMEKL 12 UU	12	22	61	42	32	4	813	1570	90
LMEKL 16 UU	16	26	68	46	36	5	921	1780	135
LMEKL 20 UU	20	32	80	54	43	5	1370	2740	225
LMEKL 25 UU	25	40	112	62	51	6	1570	3140	500
LMEKL 30 UU	30	47	123	76	62	6	2500	5490	720
LMEKL 40 UU	40	62	151	98	80	6	3430	8040	1600
LMEKL 50 UU	50	75	192	112	94	6	6080	15900	2620
LMEKL 60 UU	60	90	209	134	112	6	7550	20000	4480

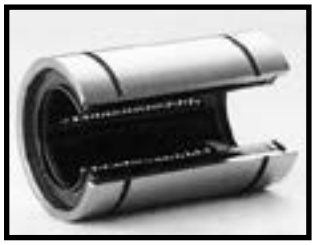
G2K LINEAR

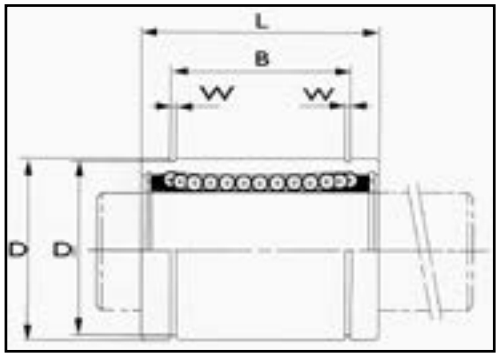
LM



PART	d	D	L	B	W	Circuits	C (kgf)	C_0 (kgf)	Weight (g)
LM 8 UU	8	15	24	17.5	1.1	4	27	41	16
LM 10 UU	10	19	29	22	1.3	4	38	56	30
LM 12 UU	12	21	30	23	1.3	4	42	61	32
LM 16 UU	16	28	37	26.5	1.6	5	79	120	69
LM 20 UU	20	32	42	30.5	1.6	5	88	140	87
LM 25 UU	25	40	59	41	1.85	6	100	160	220
LM 30 UU	30	45	64	44.5	1.85	6	160	280	250
LM 40 UU	40	60	80	60.5	2.1	6	220	410	585
LM 50 UU	50	80	100	74	2.6	6	390	810	1580
LM 60 UU	60	90	110	85	3.15	6	480	1020	2000

LM..OP

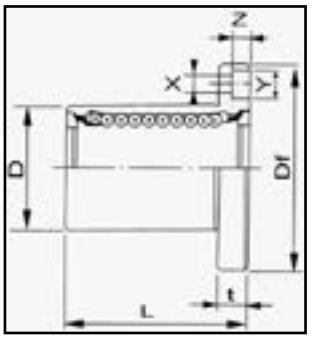




PART	d	D	L	B	W	Circuits	C (kgf)	C_0 (kgf)	Weight (g)	Angle
LM 12 UU OP	12	21	30	23	1.3	4	42	61	32	80
LM 16 UU OP	16	28	37	26.5	1.6	5	79	120	69	60
LM 20 UU OP	20	32	42	30.5	1.6	5	88	140	87	60
LM 25 UU OP	25	40	59	41	1.85	6	100	160	220	50
LM 30 UU OP	30	45	64	44.5	1.85	6	160	280	250	50
LM 40 UU OP	40	60	80	60.5	2.1	6	220	410	585	50
LM 50 UU OP	50	80	100	74	2.6	6	390	810	1580	50
LM 60 UU OP	60	90	110	85	3.15	6	480	1020	2000	50

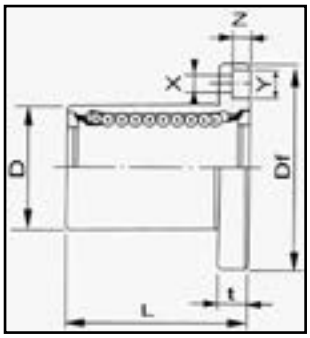
G2K LINEAR

LMF



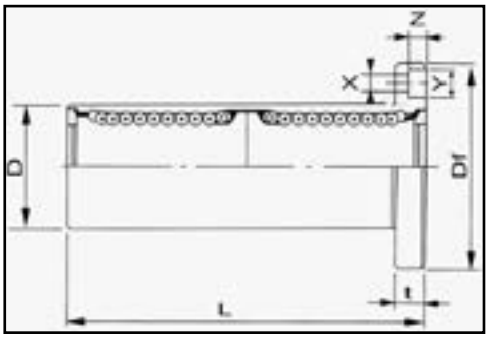
PART	d	D	L	Df	Dp	Circuits	C (N)	C_0 (N)	Weight (g)
LMF 8 UU	8	15	24	32	24	4	274	392	37
LMF 10 UU	10	19	29	40	29	4	372	549	72
LMF 12 UU	12	21	30	42	32	4	510	784	76
LMF 16 UU	16	28	37	48	38	5	774	1180	120
LMF 20 UU	20	32	42	54	43	5	882	1370	180
LMF 25 UU	25	40	59	62	51	6	980	1570	340
LMF 30 UU	30	45	64	74	60	6	1570	2740	470
LMF 40 UU	40	60	80	96	78	6	2160	4020	1060
LMF 50 UU	50	80	100	116	98	6	3820	7940	2200
LMF 60 UU	60	90	110	134	112	6	4700	10000	3000

LMK



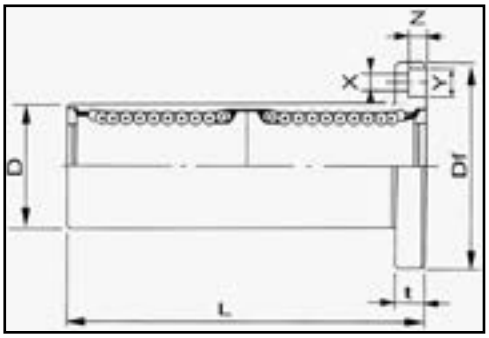
PART	d	D	L	Df	Dp	Circuits	C (N)	C_0 (N)	Weight (g)
LMK 8 UU	8	15	24	32	24	4	274	392	37
LMK 10 UU	10	19	29	40	29	4	372	549	72
LMK 12 UU	12	21	30	42	32	4	510	784	76
LMK 16 UU	16	28	37	48	38	5	774	1180	120
LMK 20 UU	20	32	42	54	43	5	882	1370	180
LMK 25 UU	25	40	59	62	51	6	980	1570	340
LMK 30 UU	30	45	64	74	60	6	1570	2740	470
LMK 40 UU	40	60	80	96	78	6	2160	4020	1060
LMK 50 UU	50	80	100	116	98	6	3820	7940	2200
LMK 60 UU	60	90	110	134	112	6	4700	10000	3000

LMFL



PART	d	D	L	Df	Dp	Circuits	C (N)	C_0 (N)	Weight (g)
LMFL 8 UU	8	15	45	32	24	4	431	784	51
LMFL 10 UU	10	19	55	40	29	4	588	1100	98
LMFL 12 UU	12	21	57	42	32	4	813	1570	110
LMFL 16 UU	16	28	70	48	38	5	1230	2350	190
LMFL 20 UU	20	32	80	54	43	5	1400	2740	260
LMFL 25 UU	25	40	112	62	51	6	1560	3140	540
LMFL 30 UU	30	45	123	74	60	6	2490	5490	680
LMFL 40 UU	40	60	151	96	78	6	3430	8040	1570
LMFL 50 UU	50	80	192	116	98	6	6080	15900	3600
LMFL 60 UU	60	90	209	134	112	6	7550	20000	4500

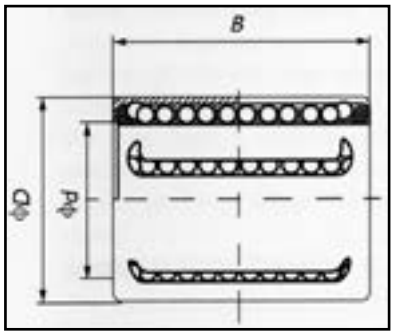
LMKL



PART	d	D	L	Df	Dp	Circuits	C (N)	C_0 (N)	Weight (g)
LMKL 8 UU	8	15	45	32	24	4	431	784	43
LMKL 10 UU	10	19	55	40	29	4	588	1100	78
LMKL 12 UU	12	21	57	42	32	4	813	1570	90
LMKL 16 UU	16	28	70	48	38	5	1230	2350	165
LMKL 20 UU	20	32	80	54	43	5	1400	2740	225
LMKL 25 UU	25	40	112	62	51	6	1560	3140	500
LMKL 30 UU	30	45	123	74	60	6	2490	5490	590
LMKL 40 UU	40	60	151	96	78	6	3430	8040	1380
LMKL 50 UU	50	80	192	116	98	6	6080	15900	3400
LMKL 60 UU	60	90	209	134	112	6	7550	20000	4060

G2K LINEAR

KH - Compact

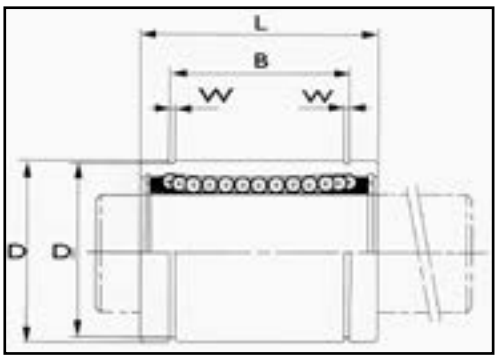


PART	d	D	B	C (N)	C_0 (N)	Weight (g)
KH0622PP	6	12	22	400	239	7
KH0824PP	8	15	24	435	280	12
KH1026PP	10	17	26	500	370	15
KH1228PP	12	19	28	620	510	19
KH1428PP	14	21	28	620	520	21
KH1630PP	16	24	30	800	620	28
KH2030PP	20	28	30	950	790	33
KH2540PP	25	35	40	1990	1670	66
KH3050PP	30	40	50	2800	2700	95
KH4060PP	40	52	60	4400	4450	182
KH5070PP	50	62	70	5500	6300	252

Stainless Steel version on page 14

LMB

Dimensions in Inches



PART	d	D	L	B	W	Circuits	C (N)	C_0 (N)	Weight (g)
LMB 4 UU	0.25	0.50	0.75	0.511	0.039	4	206	265	8
LMB 6 UU	0.375	0.625	0.875	0.635	0.039	4	225	314	14
LMB 8 UU	0.50	0.875	1.25	0.962	0.045	4	510	784	37
LMB 10 UU	0.625	1.125	1.50	1.103	0.055	4	774	1180	76
LMB 12 UU	0.75	1.25	1.625	1.165	0.055	5	862	1370	95
LMB 16 UU	1.00	1.56	2.25	1.754	0.067	6	980	1570	200
LMB 20 UU	1.25	2.00	2.625	2.004	0.067	6	1570	2740	440
LMB 24 UU	1.50	2.375	3.00	2.411	0.085	6	2180	4020	670
LMB 32 UU	2.00	3.00	4.00	3.191	0.102	6	3820	7940	1140

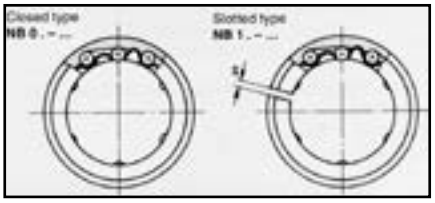
Dimensions in Inches

LINEAR

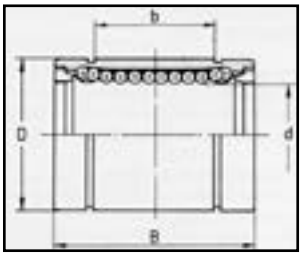
STANDARD BALL BUSHINGS

ALSO SEE LME & LMEA

NB0**0-0**.. for no seals with steel cage or NB0**2-3.**. for two seals with plastic cage

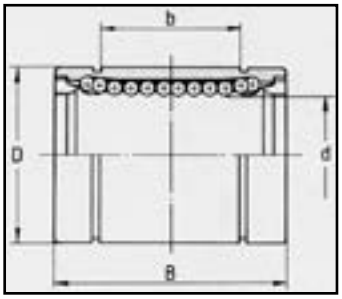


NB10- and NB12 for slotted type. Please see website.



PART (No seals)	PART (2 seals)	d	D	B	b	S	Ball Circuits	Load C (N)	Load C_0 (N)	Weight (kg)
NB00-005	-	5	12	22	12	1	4	210	270	0.01
NB00-008	**NB02-308**	8	16	25	14	1	4	280	420	0.02
NB00-010	-	10	19	29	19	1	4	380	560	0.03
NB00-012	**NB02-312**	12	22	32	20	1.5	4	570	800	0.04
NB00-016	**NB02-316**	16	26	36	22	1.5	4	800	940	0.06
NB00-020	**NB02-320**	20	32	45	28	2	5	900	1450	0.10
NB00-025	**NB02-325**	25	40	58	40	2	6	1100	1700	0.24
NB00-030	**NB02-330**	30	47	68	48	2	6	1700	3000	0.36
NB00-040	**NB02-340**	40	62	80	56	3	6	2300	4700	0.77
NB00-050	**NB02-350**	50	75	100	72	3	6	4100	8300	1.20
NB00-060	**NB02-360**	60	90	125	95	3	6	4800	10200	2.30
NB00-080	-	80	120	165	125	3	6	7500	16300	5.20

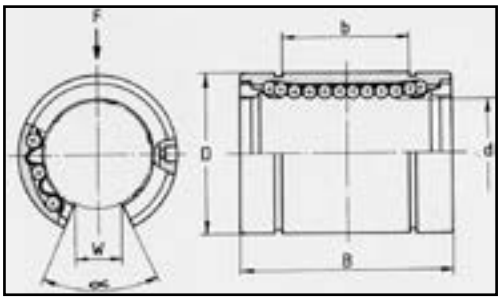
SPECIAL BALL BUSHINGS



PART (no seals)	PART (2 seals)	d	D	B	b	Ball Circuits	Load C (N)	Load C_0 (N)	Weight (kg)
NB00-003	**NB02-303**	3	7	10	-	4	70	100	0.002
NB00-004	**NB02-304**	4	8	12	-	4	90	130	0.002
SB00-005	**SB02-305**	5	10	15	8	4	170	210	0.010
NB00-006	**NB02-306**	6	12	19	11	4	210	270	0.010
SB00-008	**SB02-308**	8	15	24	15	4	280	400	0.020
SB00-035	**SB02-335**	35	52	70	45	6	1700	3200	0.400
NB00-100	**NB02-100**	100	150	175	117	6	14400	35500	8.500
SB00-120	**SB02-120**	120	180	200	150	8	16700	40800	15.00
SB00-150	**SB02-150**	150	210	240	160	8	21500	55400	20.20

LINEAR

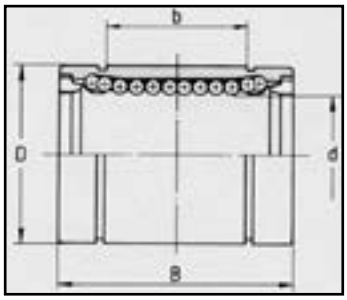
OPEN BALL BUSHINGS



Also see LMEO on page 12

PART (no seals)	PART (2 seals)	d	D	B	b	W	α	Ball Circuits	Load C (N)	Load C_0 (N)	Weight (kg)
NB30-012	**NB32-012**	12	22	32	20	7.5	78	3	570	800	0.03
NB30-016	**NB32-016**	16	26	36	22	10	78	3	800	940	0.05
NB30-020	**NB32-020**	20	32	45	28	10	60	4	900	1450	0.08
NB30-025	**NB32-025**	25	40	58	40	12.5	60	5	1100	1700	0.19
NB30-030	**NB32-030**	30	47	68	48	12.5	50	5	1700	3000	0.30
NB30-040	**NB32-040**	40	62	80	56	16.8	50	5	2300	4700	0.60
NB30-050	**NB32-050**	50	75	100	72	21	50	5	4100	8300	0.97
NB30-060	**NB32-060**	60	90	125	95	27.2	54	5	4800	10200	1.90
NB30-080	**NB32-080**	80	120	165	125	36.3	54	5	7500	16300	4.38

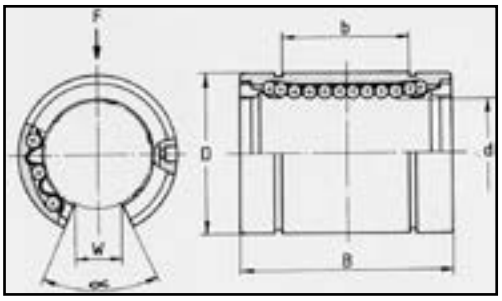
STAINLESS STEEL (CLOSED)



PART	d	D	B	b	Ball Circuits	Load C (N)	Load C_0 (N)	Weight (kg)	Circlip Required
KB50-008	8	16	25	14	4	270	410	0.02	16 x 1
KB50-012	12	22	32	20	4	520	790	0.05	22x1.2
KB50-016	16	26	36	22	4	590	910	0.06	27x1.2
KB50-020	20	32	45	28	5	880	1400	0.10	33x1.5
KB50-025	25	40	58	40	6	1000	1600	0.24	42x1.75
KB50-030	30	47	68	48	6	1600	2800	0.36	48x1.75
KB50-040	40	62	80	56	6	2200	4100	0.77	62x2
KB50-050	50	75	100	72	6	3900	8100	1.25	75x2.5

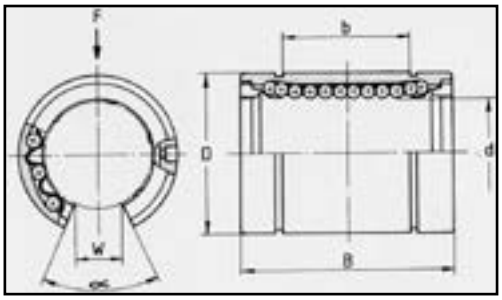
LINEAR

STAINLESS STEEL (OPEN)



PART	d	D	B	b	α	W	Ball Circuits	Load C (N)	Load C_0 (N)	Weight (kg)
KB53-012	12	22	32	20	78	7.5	3	520	790	0.04
KB53-016	16	26	36	22	78	10	3	590	910	0.05
KB53-020	20	32	45	28	60	10	4	880	1400	0.08
KB53-025	25	40	58	40	60	12.5	5	1000	1600	0.20
KB53-030	30	47	68	48	50	12.5	5	1600	2800	0.31
KB53-040	40	62	80	56	50	16.8	5	2200	4100	0.67
KB53-050	50	75	100	72	50	21	5	3900	8100	1.08

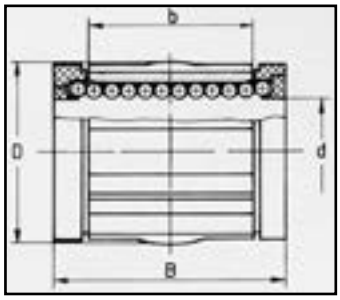
ECO BALL BUSHINGS (OPEN)



PART	d	D	B	b	W	α	Ball Circuits	Load C (N)	Load C_0 (N)	Weight (kg)
LMEO-12UU	12	22	32	20	7.5	78	3	570	800	0.03
LMEO-16UU	16	26	36	22	10	78	4	580	870	0.05
LMEO-20UU	20	32	45	28	10	60	4	860	1400	0.08
LMEO-25UU	25	40	58	40	12.5	60	5	980	1600	0.19
LMEO-30UU	30	47	68	48	12.5	50	5	1600	2700	0.30
LMEO-40UU	40	62	80	56	16.8	50	5	2200	4000	0.60
LMEO-50UU	50	75	100	72	21	50	5	3800	7900	0.97
LMEO-60UU	60	90	125	95	27.2	54	5	4700	10000	1.90

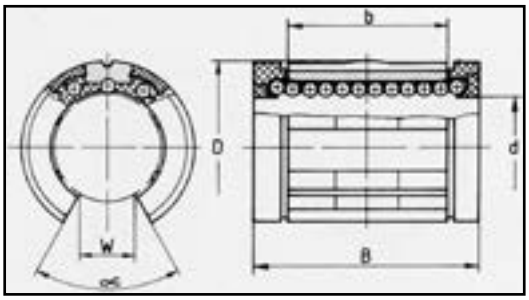
LINEAR

SUPER BALL BUSHINGS



PART (2 seals)	d	D	B	b	Ball Circuits	Load C (N)	Load C_0 (N)	Weight (kg)	Circlip required
SK70-208	8	16	25	14.2	4	423	524	0.007	15x1
SK70-212	12	22	32	20	5	1020	1290	0.021	18x1.2
SK70-216	16	26	36	22	5	1250	1550	0.043	22x1.2
SK70-220	20	32	45	28	6	2090	2630	0.058	27x1.2
SK70-225	25	40	58	40	6	3780	4720	0.123	33x1.5
SK70-230	30	47	68	48	6	5470	6810	0.216	48x1.75
SK70-240	40	62	80	56	6	6590	8230	0.333	62x2
SK70-250	50	75	100	72	6	10800	13500	0.618	75x2.5

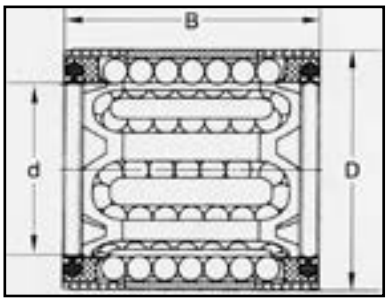
OPEN SUPER BALL BUSHINGS



PART (2 seals)	d	D	B	b	w	α	Ball Circuits	Load C (N)	Load C_0 (N)	Weight (kg)
SK71-212	12	22	32	20	6.5	66	4	1250	1620	0.017
SK71-216	16	26	36	22	9	68	4	1560	1930	0.035
SK71-220	20	32	45	28	9	55	5	2090	2630	0.048
SK71-225	25	40	58	40	11.5	57	5	3070	4720	0.103
SK71-230	30	47	68	48	14	57	5	5470	6810	0.177
SK71-240	40	62	80	56	19.5	56	5	6590	8230	0.275
SK71-250	50	75	100	72	22.5	54	5	10800	13500	0.520

LINEAR

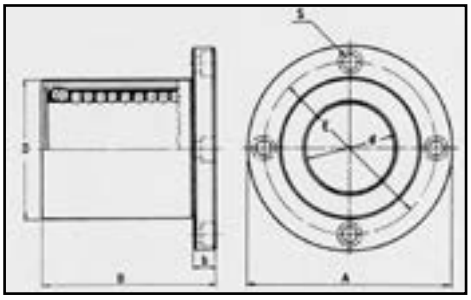
STAINLESS STEEL COMPACT



Also see KH series on page 9

PART (Stainless Steel)	d	D	B	Ball Circuits	Load C (N)	Load C_0 (N)	Weight (kg)
LBBRn208	8	15	24	4	440	280	0.012
LBBRn210	10	17	26	4	500	370	0.015
LBBRn212	12	19	28	5	620	510	0.019
LBBRn214	14	21	28	5	710	530	0.021
LBBRn216	16	24	30	5	800	630	0.028
LBBRn220	20	28	30	6	950	800	0.033
LBBRn225	25	35	40	6	1990	1560	0.066
LBBRn230	30	40	50	7	2900	2700	0.095
LBBRn240	40	52	60	8	5100	4500	0.182
LBBRn250	50	62	70	9	6950	6300	0.252

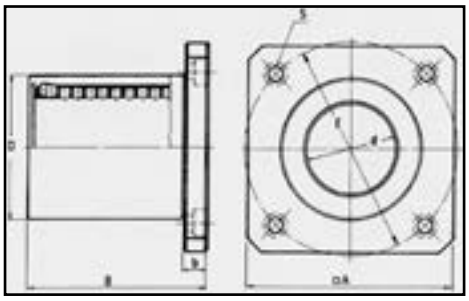
ROUND FLANGED BALL BUSHINGS



PART (no seals)	PART (2 seals)	d	D	B	b	A	E	S	Load C (N)	Load C_0 (N)	Weight (kg)
-	**FK12-305**	5	12	22	5	28	20	M3	205	265	0.02
FK10-008	**FK12-308**	8	16	25	5	32	24	M3	280	410	0.04
FK10-012	**FK12-312**	12	22	32	6	42	34	M4	520	790	0.08
FK10-016	**FK12-316**	16	26	36	6	46	36	M4	790	1200	0.11
FK10-020	**FK12-320**	20	32	45	8	54	43	M5	900	1400	0.18
FK10-025	**FK12-325**	25	40	58	8	62	51	M5	1000	1600	0.34
FK10-030	**FK12-330**	30	47	68	10	76	62	M6	1600	2800	0.56
FK10-040	**FK12-340**	40	62	80	13	98	80	M8	2200	4100	1.18
FK10-050	**FK12-350**	50	75	100	13	112	94	M8	3900	8100	1.70
FK10-060	**FK12-360**	60	90	125	18	134	112	M10	4700	9800	3.22
FK10-080	**FK12-380**	80	120	165	18	164	142	M10	7400	16000	6.42

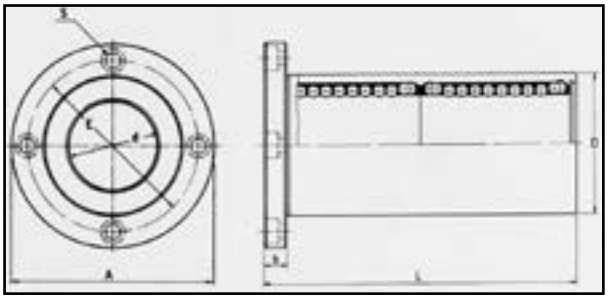
LINEAR

SQUARE FLANGED BALL BUSHINGS



PART (2 seals)	d	D	B	b	A	E	S	Load C (N)	Load C_0 (N)	Weight (kg)
LMEK08UU	8	16	25	5	25	24	M3	270	410	0.03
LMEK12UU	12	22	32	6	32	32	M4	520	790	0.07
LMEK16UU	16	26	36	6	35	36	M4	590	910	0.09
LMEK20UU	20	32	45	8	42	43	M5	880	1400	0.15
LMEK25UU	25	40	58	8	50	51	M5	1000	1600	0.30
LMEK30UU	30	47	68	10	60	62	M6	1600	2800	0.46
LMEK40UU	40	62	80	13	75	80	M8	2200	4100	0.99

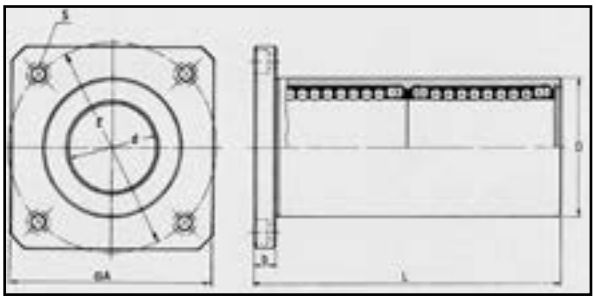
TANDEM ROUND FLANGED BALL BUSHINGS



PART (2 SEALS)	d	D	L	b	A	E	S	Load C (N)	Load C_0 (N)	Weight (kg)
FK92-308	8	16	46	5	32	24	M3	440	820	0.06
FK92-312	12	22	61	6	42	32	M4	830	1580	0.10
FK92-316	16	26	68	6	46	36	M4	1250	2400	0.17
FK92-320	20	32	80	8	54	43	M5	1430	2800	0.26
FK92-325	25	40	112	8	62	51	M5	1600	3200	0.52
FK92-330	30	47	123	10	76	62	M6	2550	5600	0.82
FK92-340	40	62	151	13	98	80	M8	3500	8200	1.80
FK92-350	50	75	192	13	112	94	M8	6200	16200	2.80
FK92-360	60	90	209	18	134	112	M10	7600	20000	2.82

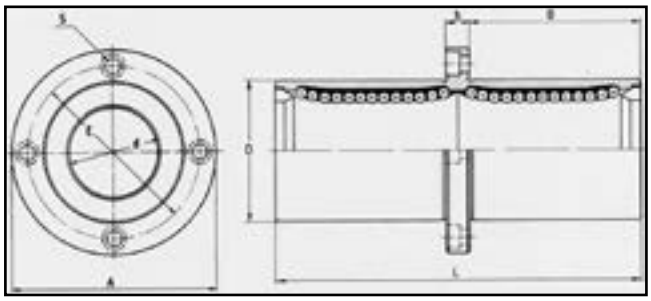
LINEAR

TANDEM SQUARE FLANGED BEARINGS



PART (2 seals)	d	D	L	b	A	E	S	Load C (N)	Load C_0 (N)	Weight (kg)
LMTK08UU	8	16	46	5	25	24	M3	430	780	0.05
LMTK12UU	12	22	61	6	32	32	M4	655	1200	0.08
LMTK16UU	16	26	68	6	35	36	M4	1230	2350	0.16
LMTK20UU	20	32	80	8	42	43	M5	1400	2750	0.23
LMTK25UU	25	40	112	8	50	51	M5	1560	3140	0.47
LMTK30UU	30	47	123	10	60	62	M6	2490	5490	0.57
LMTK40UU	40	62	151	13	75	80	M8	3430	8040	1.38

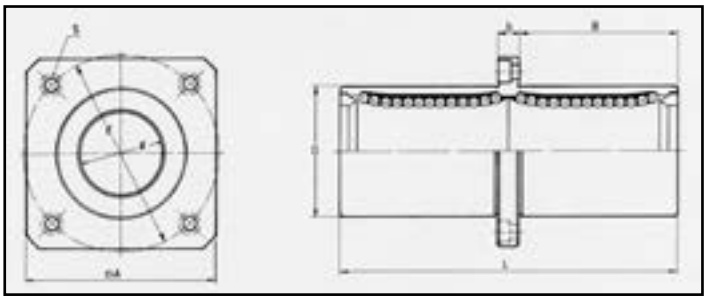
TANDEM ROUND MID-FLANGED BEARINGS



PART (No Seals)	PART (2 Seals)	d	D	L	b	B	A	E	S	Load C (N)	Load C_0 (N)	Weight (kg)
TF00-008	**TF02-308**	8	16	46	5	20.5	32	24	M3	430	820	0.06
TF00-012	**TF02-312**	12	22	61	6	27.5	42	32	M4	830	1580	0.08
TF00-016	**TF02-316**	16	26	68	6	31.0	46	36	M4	940	1820	0.10
TF00-020	**TF02-320**	20	32	80	8	36.0	54	43	M5	1400	2800	0.26
TF00-025	**TF02-325**	25	40	112	8	52.0	62	51	M5	1600	3200	0.34
TF00-030	**TF02-330**	30	47	123	10	56.5	76	62	M6	2550	5600	0.82
TF00-040	**TF02-340**	40	62	151	13	69	98	80	M8	3500	8200	1.80
TF00-050	**TF02-350**	50	75	192	13	89.5	112	94	M8	6200	16200	2.80
TF00-060	**TF02-360**	60	90	209	18	95.5	134	112	M10	7600	20000	4.92

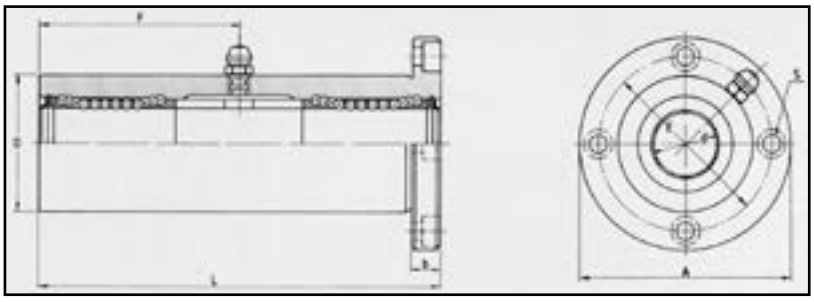
LINEAR

TANDEM SQUARE MID-FLANGED BEARINGS



PART (2 seals)	d	D	L	b	B	A	E	S	Load C (N)	Load C_0 (N)	Weight (kg)
LMEM08UU	8	16	45	5	20.5	25	24	M3	430	780	0.05
LMEM12UU	12	22	61	6	27.5	32	32	M4	655	1200	0.08
LMEM16UU	16	26	68	6	31.0	35	36	M4	1230	2350	0.16
LMEM20UU	20	32	80	8	36.0	42	43	M5	1400	2750	0.23
LMEM25UU	25	40	112	8	52.0	50	51	M5	1560	3140	0.47
LMEM30UU	30	47	123	10	56.5	60	62	M6	2490	5490	0.57
LMEM40UU	40	62	151	13	69.0	75	80	M8	3430	8040	1.38

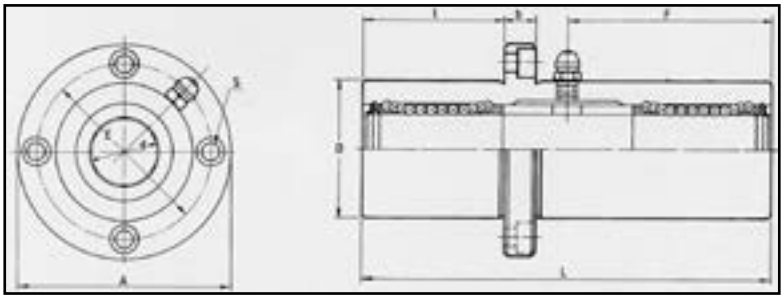
TRIPLE ROUND FLANGED BEARINGS



PART (2 seals)	d	D	L	b	A	E	F	S	Load C (N)	Load C_0 (N)	Weight (kg)
FS92-308	8	19	66	6	40	29	29	M4	440	800	0.135
FS92-312	12	26	84	6	46	36	41	M4	830	1600	0.248
FS92-316	16	32	103	8	54	43	51	M5	1250	2400	0.412
FS92-320	20	40	118	8	62	51	59	M5	1430	2800	0.752
FS92-325	25	45	165	10	74	60	82.5	M6	1590	3200	1.244
FS92-330	30	52	182	10	82	67	91	M6	2540	5600	1.636
FS92-340	40	65	230	13	101	83	115	M8	3500	8200	2.950
FS92-350	50	85	290	18	129	107	145	M10	6200	16200	6.860

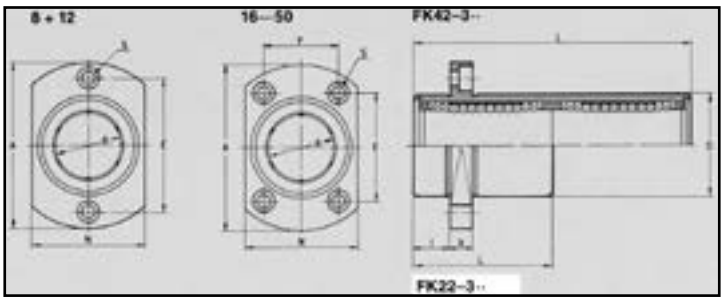
LINEAR

TRIPLE ROUND MID-FLANGED BEARINGS



PART (2 seals)	d	D	L	b	l	A	E	F	S	Load C (N)	Load C_0 (N)	Weight (kg)
TS02-308	8	19	66	6	22	40	29	29	M4	440	800	0.135
TS02-312	12	26	84	6	28	46	36	41	M4	830	1600	0.248
TS02-316	16	32	103	8	35	54	43	51	M5	1250	2400	0.412
TS02-320	20	40	118	8	40	62	51	59	M5	1430	2800	0.752
TS02-325	25	45	165	10	55	74	60	82.5	M6	1590	3200	1.244
TS02-330	30	52	182	10	61	82	67	91	M6	2540	5600	1.636
TS02-340	40	65	230	13	77	101	83	115	M8	3500	8200	2.950
TS02-350	50	85	290	18	97	129	107	145	M10	6200	16200	6.860

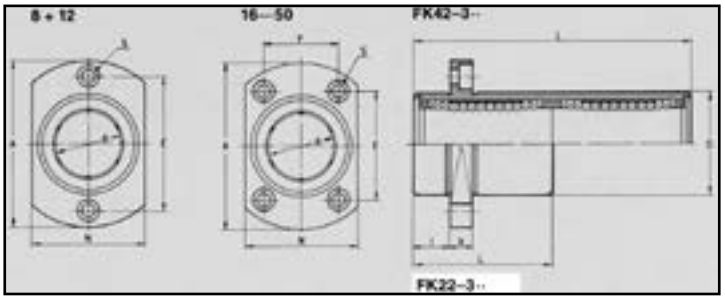
REVERSE FLANGED BALL BUSHINGS



PART (2 seals)	d	D	L	b	l	A	N	E	F	S	Load C (N)	Load C_0 (N)	Weight (kg)
FK22-306	6	12	19	5	5	28	18	20		M3	206	265	0.02
FK22-308	8	15	24	5	5	32	21	24		M3	280	400	0.03
FK22-312	12	21	30	6	6	42	27	32		M4	520	800	0.07
FK22-316	16	28	37	6	6	48	34	31	22	M4	790	1200	0.11
FK22-320	20	32	42	8	8	54	38	36	24	M5	900	1400	0.17
FK22-325	25	40	59	8	8	62	46	40	32	M5	1000	1600	0.33
FK22-330	30	45	64	10	10	74	51	49	35	M6	1600	2800	0.39
FK22-340	40	60	80	13	13	96	96	55.1	55.1	M8	2200	4100	1.06
FK22-350	50	80	100	13	13	116	116	69.3	69.3	M8	3900	8100	2.20

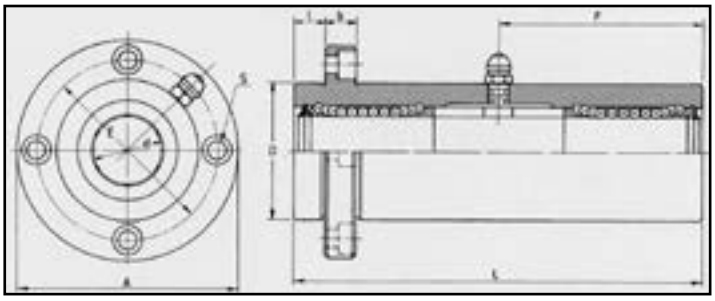
LINEAR

TANDEM REVERSE FLANGED BEARINGS



PART (2 seals)	d	D	L	b	l	A	N	E	F	S	Load C (N)	Load C_0 (N)	Weight (kg)
FK42-306	6	12	35	5	5	28	18	20		M3	323	530	0.03
FK42-308	8	15	45	5	5	32	21	24		M3	440	800	0.05
FK42-312	12	21	57	6	6	42	27	32		M4	830	1600	0.10
FK42-316	16	28	70	6	6	48	34	31	22	M4	1250	2400	0.18
FK42-320	20	32	80	8	8	54	38	36	24	M5	1430	2800	0.25
FK42-325	25	40	112	8	8	62	46	40	32	M5	1590	3200	0.53
FK42-330	30	45	123	10	10	74	51	49	35	M6	2540	5600	0.65
FK42-340	40	60	151	13	13	96	96	55.1	55.1	M8	3500	8200	1.57
FK42-350	50	80	192	13	13	116	116	69.3	69.3	M8	6200	16200	3.60

REVERSE ROUND FLANGED BEARINGS



PART (2 seals)	d	D	L	b	l	A	E	F	S	Load C (N)	Load C_0 (N)	Weight (kg)
FK62-308	8	19	66	6	6	40	29	29	M4	440	800	0.135
FK62-312	12	26	84	6	6	46	36	41	M4	830	1600	0.284
FK62-316	16	32	103	8	8	54	43	51	M5	1250	2400	0.412
FK62-320	20	40	118	8	8	62	51	59	M5	1430	2800	0.752
FK62-325	25	45	165	10	10	74	60	82.5	M6	1590	3200	1.244
FK62-330	30	52	182	10	10	82	67	91	M6	2540	5600	1.636
FK62-340	40	65	230	13	13	101	83	115	M8	3500	8200	2.950
FK62-350	50	85	290	18	18	129	107	145	M10	6200	16200	6.860

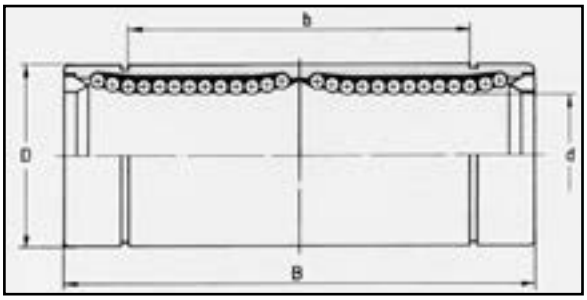
LINEAR

COMBINED LINEAR & RADIAL BALL BUSHINGS

* Also available with a square flange (RK20). See website.

PART (Brass Cage)	PART * (Steel Cage)	d	D	B	b	Ball Circuits	Load C (N)	Load C_0 (N)	Max RPM	Weight (kg)	Circlip Req'd
0662-006		6	10	19		6	46	100	1000	0.008	
	RK00-006	6	12	19	11	6	78	176	300	0.010	12x1
0662-008		8	14	23		6	106	228	900	0.014	
	RK00-008	8	15	24	15	8	137	314	300	0.015	15x1
0662-012		12	19	31		8	275	600	750	0.031	
	RK00-012	12	21	30	20	8	274	588	300	0.040	21x12
0662-016		16	25	35		8	455	900	550	0.060	
	RK00-016	16	28	37	23	8	451	882	250	0.065	28x1.5
0662-020		20	30	42		8	560	1220	450	0.100	
	RK00-020	20	32	42	27	8	647	1180	250	0.110	33x1.5
0662-025		25	37	54		9	900	1900	350	0.200	
	RK00-025	25	40	59	37	8	882	1860	250	0.210	42x1.75
0662-030		30	42	64		9	1180	2700	300	0.270	
	RK00-030	30	45	64	40.5	8	1180	2650	200	0.290	46x1.75
0622-040		40	55	78		11	1930	4400	200	0.565	

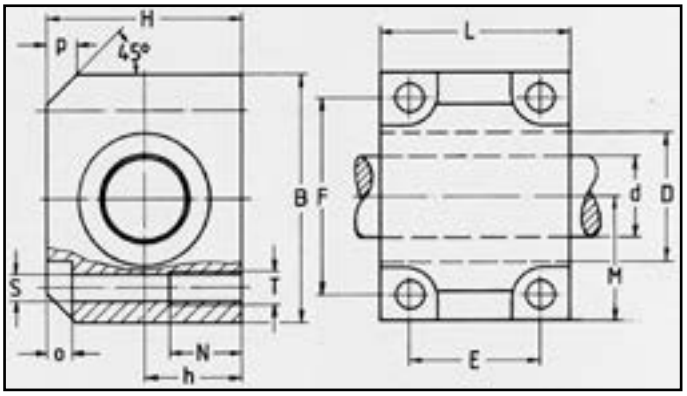
TANDEM BALL BUSHINGS



PART (no seals)	PART (2 seals)	d	D	B	b	Ball Circuits	Load C (N)	Load C_0 (N)	Weight (kg)	Circlip Req'd
TK00-008	**TK02-308**	8	16	46	30.5	4	430	820	0.04	16x1
TK00-012	**TK02-312**	12	22	61	43.0	4	830	1580	0.08	22x1.2
TK00-016	**TK02-316**	16	26	68	47.0	4	940	1820	0.12	27x1.2
TK00-020	**TK02-320**	20	32	80	57.5	5	1400	2800	0.18	33x1.5
TK00-025	**TK02-325**	25	40	112	78.0	6	1600	3200	0.43	42x1.75
TK00-030	**TK02-330**	30	47	123	100.0	6	2550	5600	0.62	48x1.75
TK00-040	**TK02-340**	40	62	151	116.5	6	3500	8200	1.40	62x2
TK00-050	**TK02-350**	50	75	192	149.5	6	6200	16200	2.32	75x2.5

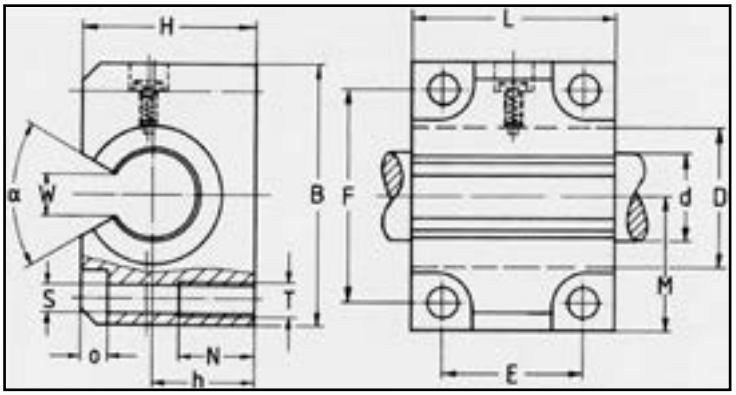
LINEAR - HOUSINGS

STANDARD ALUMINIUM HOUSINGS (CLOSED)



PART	d	B	H	h	L	D	E	F	M	S	T	N	O	P	Load C (N)	Load C_0 (N)	Weight (kg)
AE35-212	12	42	35	18	39	22	23	32	21	4.3	M5	11	4	5	570	800	0.14
AE35-216	16	52	42	22	43	26	26	40	26	5.3	M6	13	5	6	800	940	0.20
AE35-220	20	60	50	25	54	32	32	45	30	6.6	M8	18	6	7	900	1400	0.38
AE35-225	25	76	60	30	67	40	40	60	38	8.4	M10	22	8	9	1100	1700	0.73
AE35-230	30	86	70	35	79	47	45	68	43	8.4	M10	22	8	10	1700	3000	1.12
AE35-240	40	108	90	45	91	62	58	86	54	10.5	M12	26	10	12	2300	4700	2.30
AE35-250	50	130	105	50	113	75	50	108	65	13.5	M16	34	12	13	4100	8300	3.80

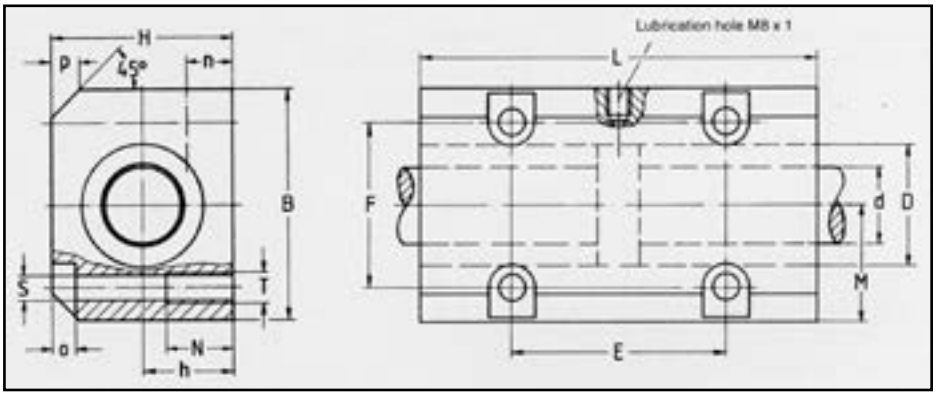
STANDARD ALUMINIUM HOUSINGS (OPEN)



PART	d	B	H	h	L	D	E	F	M	S	T	N	O	W	α	Load C (N)	Load C_0 (N)	Weight (kg)
AE37-212	12	42	28	18	39	22	23	32	21	4.3	M5	11	4	7.5	78	570	800	0.10
AE37-216	16	52	35	22	43	26	26	40	26	5.3	M6	13	5	10.0	78	800	940	0.17
AE37-220	20	60	42	25	54	32	32	45	30	6.6	M8	18	6	10.0	60	900	1400	0.28
AE37-225	25	76	51	30	67	40	40	60	38	8.4	M10	22	8	12.5	60	1100	1700	0.60
AE37-230	30	86	60	35	79	47	45	68	43	8.4	M10	22	8	12.5	50	1700	3000	0.90
AE37-240	40	108	77	45	91	62	58	86	54	10.5	M12	26	10	16.8	50	2300	4700	1.70
AE37-250	50	130	88	50	113	75	50	108	65	13.5	M16	34	12	21.0	50	4100	8300	2.80

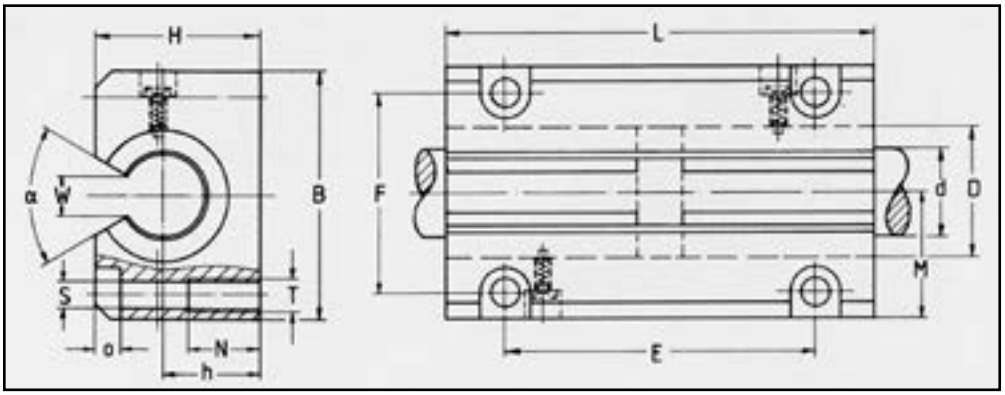
LINEAR - HOUSINGS

TANDEM ALUMINIUM HOUSINGS (CLOSED)



PART	d	B	H	h	L	D	E	F	M	S	T	N	n	o	p	Load (N)	Weight (kg)
TE85-212	12	42	35	18	76	22	40	30	21	5.3	M6	13	10	4	5	1100	0.32
TE85-216	16	52	42	22	84	26	45	36	26	5.3	M6	13	12	5	6	1300	0.48
TE85-220	20	60	50	25	104	32	55	45	30	6.6	M8	18	13	6	7	1750	0.84
TE85-225	25	76	60	30	130	40	70	54	38	8.4	M10	22	15	8	9	1950	1.62
TE85-230	30	86	70	35	152	47	85	62	43	10.5	M12	26	16	8	10	3100	2.46
TE85-240	40	108	90	45	176	62	100	80	54	13.5	M16	34	20	10	12	4300	4.79
TE85-250	50	130	105	50	224	75	125	100	65	13.5	M16	34	20	12	13	7600	8.06

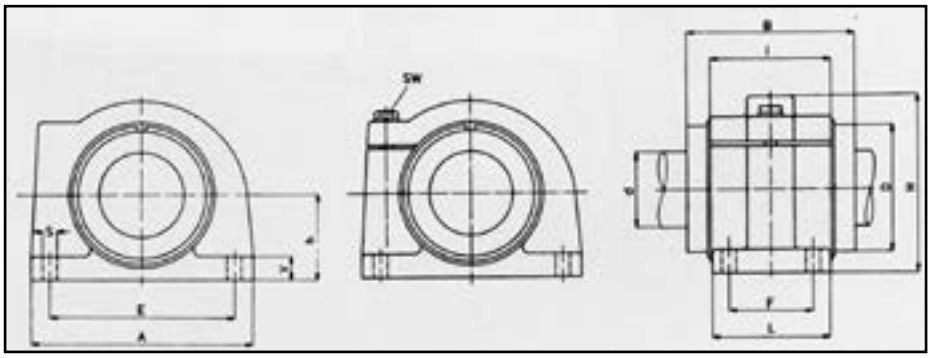
TANDEM ALUMINIUM HOUSINGS (OPEN)



PART	d	B	H	h	L	D	E	F	M	S	T	N	O	W	α	Load (N)	Weight (kg)
TE33-212	12	42	28	18	76	22	56	32	21	4.3	M5	11	4	7.5	78	1100	0.26
TE33-216	16	52	35	22	84	26	64	40	26	5.3	M6	13	5	10.0	78	1300	0.38
TE33-220	20	60	42	25	104	32	76	45	30	6.6	M8	18	6	10.0	60	1750	0.67
TE33-225	25	76	51	30	130	40	94	60	38	8.4	M10	22	8	12.5	60	1950	1.31
TE33-230	30	86	60	35	152	47	106	68	43	8.4	M10	22	8	12.5	50	3100	2.01
TE33-240	40	108	77	45	176	62	124	86	54	10.5	M12	26	10	16.8	50	4300	3.93
TE33-250	50	130	88	50	224	75	160	108	65	13.5	M16	34	12	21.0	50	7600	6.20

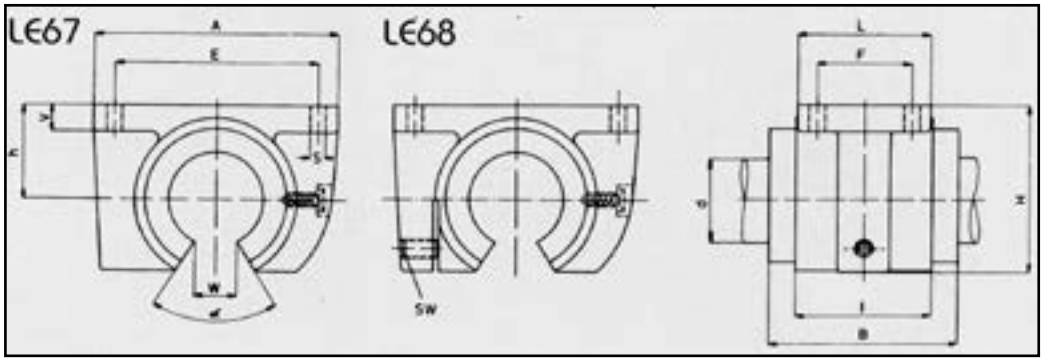
LINEAR - HOUSINGS

STANDARD CAST IRON HOUSINGS (CLOSED)



PART (Closed)	PART (Adjustable)	d	D	h	H	B	A	L	I	E	F	S	V	SW	Weight (kg)
LE65-208	LE66-208	8	16	15	28	25	32	28	14	25	20	3.4	5	5.5	0.09
LE65-212	LE66-212	12	22	18	35	32	42	32	20	32	23	4.5	5.5	7	0.16
LE65-216	LE66-216	16	26	22	42	36	50	35	22	40	26	4.5	6.5	7	0.24
LE65-220	LE66-220	20	32	25	50	45	60	42	28	45	32	4.5	8	7	0.43
LE65-225	LE66-225	25	40	30	60	58	74	54	40	60	40	5.5	9	8	0.86
LE65-230	LE66-230	30	47	35	70	68	84	60	48	68	45	6.6	10	10	1.34
LE65-240	LE66-240	40	62	45	90	80	108	78	56	86	58	9	12	13	2.67
LE65-250	LE66-250	50	75	50	105	100	130	70	72	108	50	9	14	13	3.74
LE65-260	LE66-260	60	90	60	125	125	160	92	95	132	65	11	15	17	6.77
LE65-280	LE66-280	80	120	80	170	165	200	122	125	170	90	13	22	19	15.50

STANDARD CAST IRON HOUSINGS (OPEN)

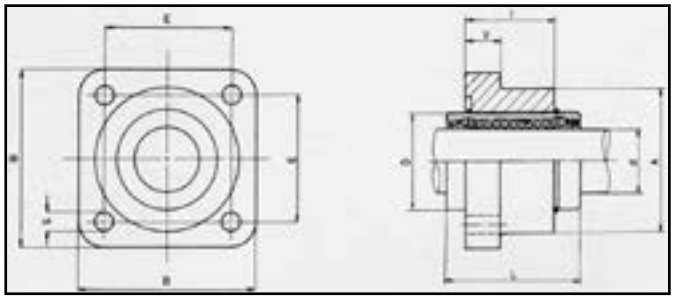


PART (Open)	PART (Adjustable)	d	h	H	B	A	L	I	E	F	S	V	SW	W	α	Weight (kg)
LE67-212	LE68-212	12	18	28	32	42	32	20	32	23	4.5	5.5	2.5	7.5	78	0.13
LE67-216	LE68-216	16	22	35	36	50	35	22	40	26	4.5	6.5	2.5	10	78	0.21
LE67-220	LE68-220	20	25	42	45	60	42	28	45	32	4.5	8	2.5	10	60	0.36
LE67-225	LE68-225	25	30	51	58	74	54	40	60	40	5.5	9	3	12.5	60	0.73
LE67-230	LE68-230	30	35	60	68	84	60	48	68	45	6.6	10	3	12.5	50	1.18
LE67-240	LE68-240	40	45	77	80	108	78	56	86	58	9	12	4	16.8	50	2.3
LE67-250	LE68-250	50	50	88	100	130	70	72	108	50	9	14	5	21	50	3.1
LE67-260	LE68-260	60	60	105	125	160	92	95	132	65	11	15	5	27.2	54	5.78
LE67-280	LE68-280	80	80	140	165	200	122	125	170	90	13	22	6	36.3	54	12.8

For plastic cage / 2 seal type replace . with 2
For steel cage/ no seal type replace . with 0

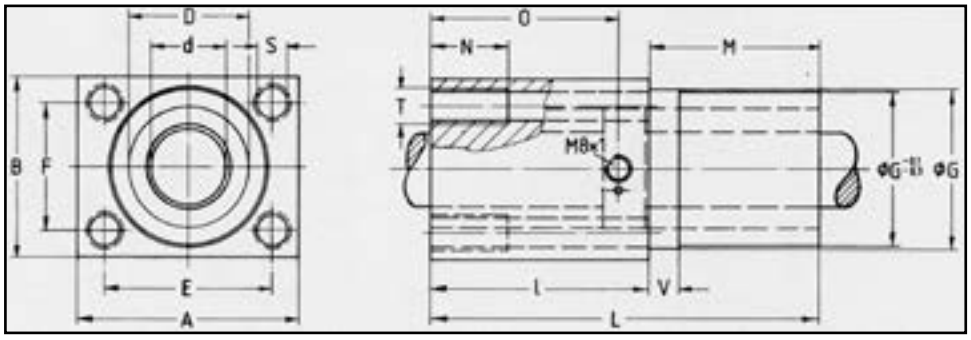
LINEAR - HOUSINGS

FLANGED CAST IRON HOUSINGS



PART (no seals)	PART (2 seals)	d	B	L	I	D	A	E	S	V	Weight (kg)
FE81-012	**FE81-212**	12	42	32	22	22	30	30	5.5	6	0.14
FE81-016	**FE81-216**	16	50	36	24	26	36	35	5.5	8	0.23
FE81-020	**FE81-220**	20	60	45	30	32	42	42	6.6	10	0.38
FE81-025	**FE81-225**	25	74	58	42	40	54	54	6.6	12	0.78
FE81-030	**FE81-230**	30	84	68	50	47	62	60	9	14	1.23
FE81-040	**FE81-240**	40	108	80	59	62	82	78	11	16	2.31
FE81-050	**FE81-250**	50	130	100	75	75	100	98	11	18	4.32
FE81-060	**FE81-260**	60	160	125	99	90	118	120	14	22	7.94
FE81-080	**FE81-280**	80	200	165	130	120	156	155	14	26	16.75

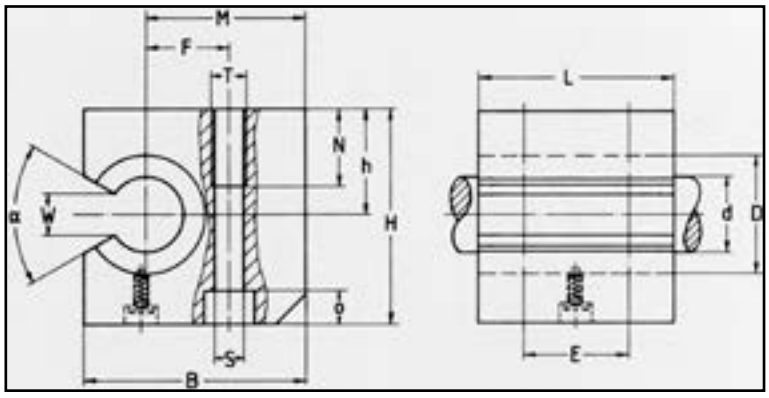
TANDEM FLANGED ALUMINIUM HOUSINGS



PART	d	D	G	A	B	L	E	F	S	T	I	M	N	O	V	Load (N)	Weight (kg)
TF83-212	12	22	30	42	34	76	32	24	5.3	M6	46	30	13	35	10	1100	0.22
TF83-216	16	26	35	50	40	84	38	28	6.6	M8	50	34	18	40	10	1300	0.33
TF83-220	20	32	42	60	50	104	45	35	8.4	M10	60	44	22	50	10	1750	0.58
TF83-225	25	40	52	74	60	130	56	42	10.5	M12	73	57	26	63	10	1950	1.15
TF83-230	30	47	61	84	70	152	64	50	13.5	M16	82	70	34	74	20	3100	1.70

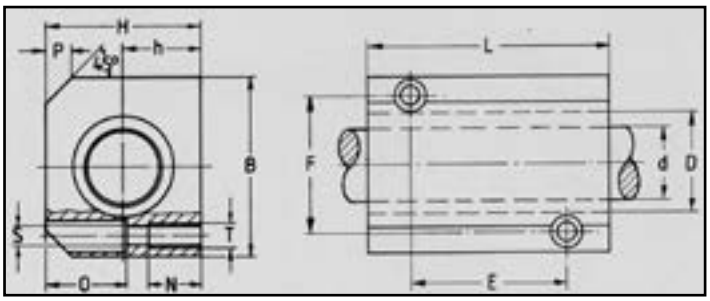
LINEAR - HOUSINGS

OPEN SIDED ALUMINIUM HOUSINGS



PART	d	B	H	h	L	D	E	F	M	S	T	N	O	W	α	Load C (N)	Load C_0 (N)	Weight (kg)
LE71-220	20	60	60	30	54	32	30	22	43	8.4	M10	22	9	17	60	900	1400	0.40
LE71-225	25	75	72	35	67	40	36	28	54	10.5	M12	26	11	21	60	1100	1700	0.75
LE71-230	30	86	82	40	79	47	42	34	61	13.5	M16	34	13	21	50	1700	3000	1.15
LE71-240	40	110	100	45	91	62	48	43	78	16	M20	43	14	27	50	2300	4700	2.00
LE71-250	50	127	115	50	113	75	62	50	89	17.5	M20	43	17	33	50	4100	8300	3.50

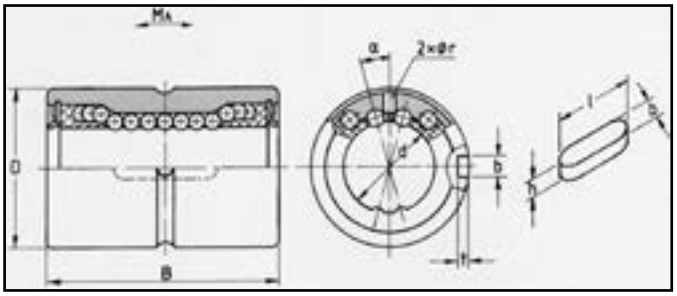
COMPACT ALUMINIUM HOUSINGS



PART	PART (Tandem)	d	B	H	h	L	D	E	F	S	T	N	O	P	Load C (N)	Load C_0 (N)	Weight (kg)
AG27-212		12	40	33	17	28	19		29	4.3	M5	11	17	5	695	510	0.08
	AG85-212	12	40	33	17	60	19	35	29	4.3	M5	11	17	5	1140	1020	0.17
AG27-216		16	45	38	19	30	24		34	4.3	M5	11	20	6	930	630	0.11
	AG85-216	16	45	38	19	65	24	40	34	4.3	M5	11	20	6	1530	1270	0.23
AG27-220		20	53	45	23	30	28		40	5.3	M6	13	23	7	1160	800	0.15
	AG85-220	20	53	45	23	65	28	45	40	5.3	M6	13	23	7	1900	1600	0.32
AG27-225		25	62	54	27	40	35		48	6.6	M8	18	28	9	2120	1560	0.27
	AG85-225	25	62	54	27	85	35	55	48	6.6	M8	18	28	9	3450	3150	0.56
AG27-230		30	67	60	30	50	40		53	6.6	M8	18	31	10	3150	2700	0.40
	AG85-230	30	67	60	30	105	40	70	53	6.6	M8	18	31	10	5200	5400	0.82
AG27-240		40	87	76	39	60	52		69	8.4	M10	22	38	12	5500	4500	0.75
	AG85-240	40	87	76	39	125	52	85	69	8.4	M10	22	38	12	9000	9000	1.58
AG27-250		50	103	92	47	70	62		82	10.5	M12	26	46	18	6400	5800	1.20

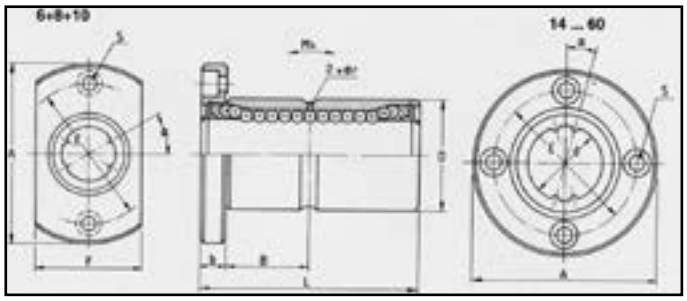
LINEAR - SPECIAL BALL BUSHINGS

TORQUE RESISTANT BALL BUSHINGS



	Dimensions									Torque (Nm)		Load (N)		Moment (Nm)		Weight
PART	d	D	B	b	t	h	l	r	α	Ct	C_0t	C	C_0	Ma	Mb	(kg)
SSP4-306	6	14	25	2.5	1.2	2.5	10.5	1.0	60	1.5	2.4	1220	2280	5.1	40	0.02
SSP4-308	8	16	25	2.5	1.2	2.5	10.5	1.5	60	2.1	3.7	1450	2870	7.4	50	0.02
SSP4-310	10	21	33	3	1.5	3	13	1.5	60	4.4	8.2	2730	5070	18	116	0.05
SSP4-314	13	24	36	3	1.5	3	15	1.5	25	21	40	2700	4900	13.7	109	0.07
SSP4-316	16	31	50	3.5	2.0	3.5	17.5	2	25	60	110	6150	11200	46	299	0.15
SSP4-320	18.2	32	60	4	2.5	4	26	2	16	85	136	8000	11500	64	500	0.20
SSP4-325	23	37	70	5	3.0	5	33	3	16	165	244	12600	16400	106	830	0.22
SSP4-330	28	45	80	7	4.0	7	41	3	16	295	420	19000	23700	185	1470	0.35
SSP4-340	37.4	60	100	10	4.5	8	55	4	16	650	900	31400	38300	365	2940	0.81
SSP4-350	47	75	112	15	5.0	10	60	4	16	1420	3240	47000	75700	710	4400	1.50
SSP4-360	56.5	90	127	18	6.0	11	68	4	16	2100	4800	58000	127000	1300	8800	2.50

TORQUE RESISTANT FLANGED BALL BUSH

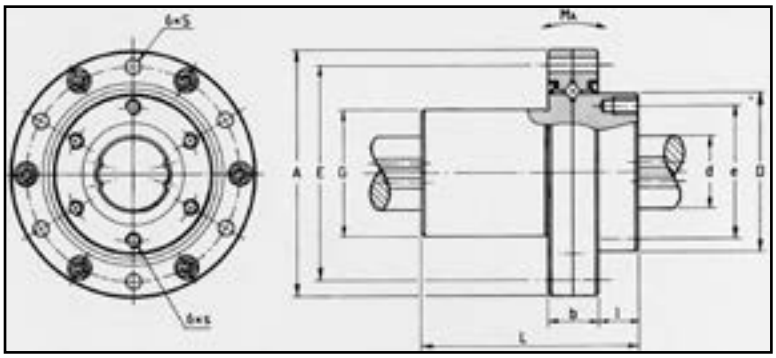


	Dimensions											Torque		Load		Moment		Weight
PART	d	D	L	b	A	B	E	F	r	S	α	Ct	C_0t	C	C_0	Ma	Mb	(kg)
SPF4-306	6	14	25	5	30	7.5	22	18	1	M3	30	1.5	2.4	1.22	2.28	5.1	40	0.03
SPF4-308	8	16	25	5	32	7.5	24	21	1.5	M3	30	2.1	3.7	1.45	2.87	7.4	50	0.04
SPF4-310	10	21	33	6	42	10.5	32	25	1.5	M4	30	4.4	8.2	2.73	5.07	18	116	0.08
SPF4-314	13	24	36	7	43	11	33		1.5	M4	25	21	40	2.70	4.90	13.7	109	0.10
SPF4-316	16	31	50	7	50	18	40		2	M4	25	60	110	6.15	11.20	46	299	0.20
SPF4-320	18.2	32	60	7	51	23	40		2	M4	16	85	136	8.0	11.50	64	500	0.22
SPF4-325	23	37	70	9	60	26	47		3	M5	16	165	244	12.6	16.40	106	830	0.32
SPF4-330	28	45	80	10	70	30	54		3	M6	16	295	420	19.0	23.7	185	1470	0.51
SPF4-340	37.4	60	100	14	90	36	72		4	M8	16	650	900	31.4	38.3	365	2940	1.15
SPF4-350	47	75	112	16	113	40	91		4	M10	16	1420	3240	47.0	75.7	710	4400	2.10
SPF4-360	56.5	90	127	18	129	45.5	107		4	M10	16	2100	4800	58.0	127.0	1300	8800	3.30

Other sizes available - see website

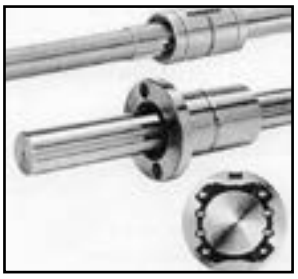
LINEAR - SPECIAL BALL BUSHINGS

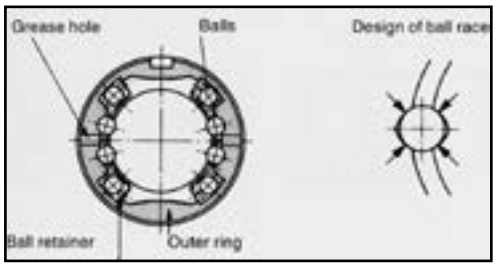
TORQUE RESISTING LINEAR-RADIAL BUSH



	Dimensions											Torque		Load (kN)			Brg Load		
PART	d	D	L	A	b	E	S	G	l	e	S	Ct (Nm)	C_0t (Nm)	C	C_0	Ma (Nm)	C (kN)	C_0 (kN)	Max rpm
SPR1-314	13	29	36	50	9	42	3.4	24	8	24	M3x5	21	39	2.6	4.9	13	3.0	3.7	1800
SPR1-316	16	36	50	60	11	50	4.5	31	10	30	M4x6	60	110	6.1	11.2	46	5.6	6.7	1500
SPR1-320	18.2	40	60	66	13	56	4.5	34	12	34	M4x7	83	133	7.8	11.3	63	5.9	7.3	1200
SPR1-325	23	50	70	78	16	68	4.5	40	13	42	M5x8	162	239	12.3	16.1	104	9.1	11.5	1000
SPR1-330	28	61	80	100	17	86	6.6	47	17	52	M6x10	289	412	18.6	23.2	181	13.2	18.0	800
SPR1-340	37.4	76	100	120	20	104	6.6	62	23	64	M6x10	637	882	30.8	37.5	358	22.8	32.3	600
SPR1-350	47	88	112	130	22	114	9	75	24	77	M8x13	1390	3180	46.1	74.2	696	27.2	42.1	570
SPR1-360	56.5	102	137	150	25	132	9	90	25	90	M8x13	2100	4800	58.0	127.4	1300	30.0	48.2	500

SPLINE SHAFT FOR SSP, SPF & SPR





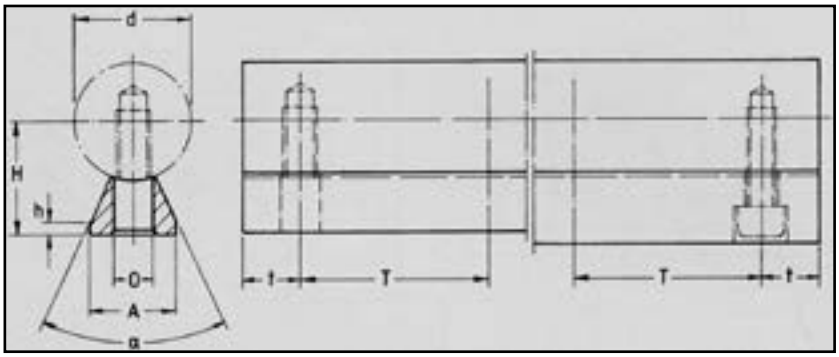
PART	d (h7)	Max length (mm)	Standard Straightness (μm/100mm)	Precision Straightness (μm/100mm)	No Preload (Microns)		Light Preload (Microns)		Medium Preload (Microns)	
SP06S	6	400	13	6	-2	+1	-6	-2	N/A	N/A
SP08S	8	500	13	6	-2	+1	-6	-2	N/A	N/A
SP10S	10	630	13	6	-3	+1	-9	-3	N/A	N/A
SP14S	13	630	13	6	-3	+1	-9	-3	-13	-7
SP16S	16	630	13	6	-3	+1	-9	-3	-13	-7
SP20S	18.2	2000	13	6	-4	+2	-12	-4	-20	-12
SP25S	23	2000	13	6	-4	+2	-12	-4	-20	-12
SP30S	28	2000	13	6	-4	+2	-12	-4	-20	-12
SP40S	37.4	2000	13	6	-6	+3	-18	-6	-30	-18
SP50S	47	2000	13	6	-6	+3	-18	-6	-30	-18
SP60S	56.5	2000	13	6	-6	+3	-18	-6	-30	-18

Other sizes available - see website

LINEAR - SHAFTS & SUPPORTS

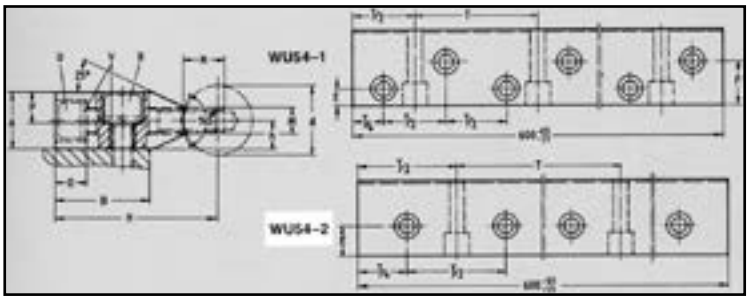
PROFILED STEEL SHAFTS

USE WITH OPEN TYPE BEARINGS & HOUSINGS



Aluminium Support	Steel Support	d	A	H	h	α (deg)	T	t_{min}	O	Bolt Size	Weight (kg/m)
WN00-312	-	12	11	14.5	3	50	75	20	4.5	M4	1.1 / 1.9
WN00-316	**WP11-316**	16	14	18	3	50	75	20	5.5	M5	1.9 / 2.5
WN00-320	**WP11-320**	20	17	22	3	50	75	20	6.6	M6	2.9 / 3.8
WN00-325	**WP11-325**	25	21	26	3	50	75	20	9	M8	4.4 / 5.6
WN00-330	**WP11-330**	30	23	30	3	50	100	20	11	M10	6.2 / 7.6
WN00-340	**WP11-340**	40	30	39	4	50	100	20	13.5	M12	11 / 13.4
WN00-350	**WP11-350**	50	35	46	5	50	100	20	15.5	M14	17 / 20.2

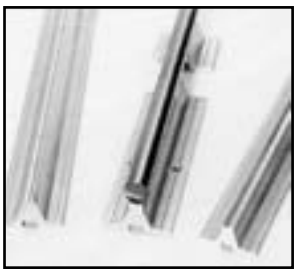
SUPPORT RAILS (FOR OPEN SIDED HOUSINGS LE71- see page 25)



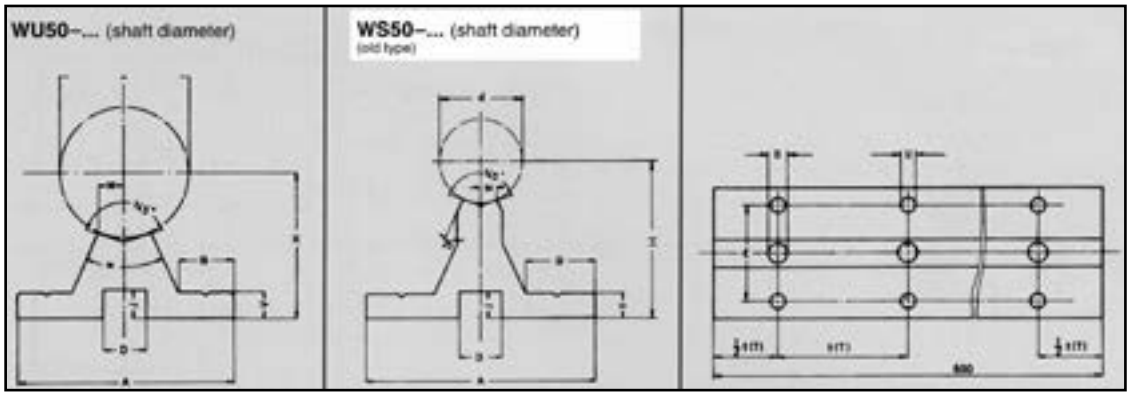
PART		d	h	H	A	M	E	F	T	O	P	B	N	R	U	V
	WU54-220	20	7.5	52	15	8.3	15		100	8.5	8.5	30	11	M6x16	M6x45	6
WU54-120		20	7.5	52	15	8.3	8	22	75	8.5	8.5	30	11	M6x45	M6x45	6
	WU54-225	25	10	62	20	10.8	18		120	11.0	11.0	36	15	M8x50	M8x50	8
WU54-125		25	10	62	20	10.8	10	26	75	11.0	11.0	36	15	M8x50	M8x50	8
	WU54-230	30	12.5	72	25	11.0	21		150	13.5	13.5	42	17	M10x60	M10x60	10
WU54-130		30	12.5	72	25	11.0	12	30	100	13.5	13.5	42	17	M10x60	M10x60	10
	WU54-240	40	15	88	30	15.0	25		200	16.0	16.0	50	21	M12x70	M10x70	12&10
WU54-140		40	15	88	30	15.0	12	38	100	16.0	16.0	50	21	M12x70	M10x70	12
	WU54-250	50	17.5	105	35	19.0	30		200	19.0	19.0	60	25	M12x80	M12x80	14&12
WU54-150		50	17.5	105	35	19.0	15	45	100	19.0	19.0	60	25	M14x80	M14x80	14

LINEAR - SHAFTS & SUPPORTS

ALUMINIUM SHAFT SUPPORT RAILS

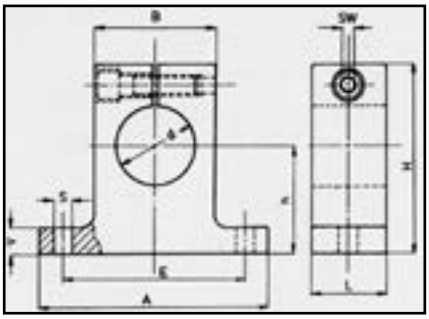


These aluminium support rails can be supplied alone or with hardened & ground shafts fitted.
The hole spacing in the rail can be either t1 or T2. See table below.



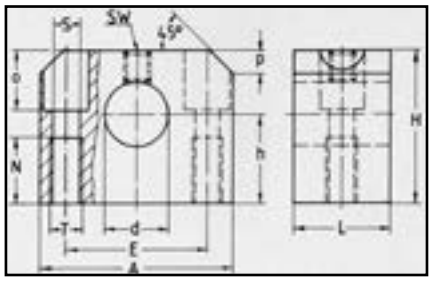
PART		d	H	A	M	B	α	V	D	J	O	Bolt	U	E	t(1) hole spacing	T(2) hole spacing
WU50-012		12	22	40	2.9	12	50	5	8	4.5	4.5	M4X20	4.5	29	75	120
WU50-016		16	26	45	3.5	13	50	5	9.5	5.5	5.5	M5X20	5.5	33	100	150
	WS50-016	16	30	48	3.5	14		5	9.5	5.5	5.5	M5X25	5.5	33	100	150
WU50-020		20	32	52	4.4	14	50	6	11	6.5	6.6	M6X25	6.6	37	100	150
	WS50-020	20	38	56	4	15		6	11	6.5	6.6	M6X30	6.6	37	100	150
WU50-025		25	36	57	5.4	15	50	6	14	8.5	9	M8X30	6.6	42	120	200
	WS50-025	25	42	60	5	15		6	14	8.5	9	M8X35	6.6	42	120	200
WU50-030		30	42	69	5.5	19	50	7	17	8.5	11	M10X35	9	51	150	200
	WS50-030	30	53	74	6	19		8	17	10.5	11	M10X40	9	51	150	200
WU50-040		40	50	73	7.5	17	50	8	17	10.5	11	M10X40	9	55	200	300
	WS50-040	40	60	78	8	19		8	19	12.5	11	M10X45	9	55	200	300
WU50-050		50	60	84	9.5	21	46	9	19	12.5	13	M12X45	11	63	200	300
	WS50-050	50	75	90	10	24		10	19	12.5	13	M12X55	11	63	200	300
WU50-060		60	68	94	12.5	23	46	10	22	14.5	15	M14X50	11	72	300	
	WS50-060	60	80	100	12	25		12	22	14.5	15	M14X55	11	72	300	
WU50-080		80	86	116	17	27	46	12	25	16.5	17	M16X60	13	92	300	

CAST IRON & ALUMINIUM SUPPORTS



CAST IRON	ALUMINIUM	d	h	H	A	B	L	E	S	V
WB55-008	-	8	15	27	32	16	10	25	4.5	5
WB55-012	WB56-012	12	20	35	42	20	12	32	5.5 / 4.3	5.5
WB55-016	WB56-016	16	25	42	50	26	16	40	5.5 / 4.3	6.5
WB55-020	WB56-020	20	30	50	60	32	20	45	5.5 / 4.3	8
WB55-025	WB56-025	25	35	58	74	38	25	60	6.6 / 5.3	9
WB55-030	WB56-030	30	40	68	84	45	28	68	9 / 6.4	10
WB55-040	WB56-040	40	50	86	108	56	32	86	11 / 8.4	12
WB55-050	WB56-050	50	60	100	130	80	40	108	11 / 9.0	14
WB55-060	-	60	75	124	160	100	48	132	13.5	15
WB55-080	-	80	100	160	200	130	60	170	17.5	22

ALUMINIUM SHAFT END SUPPORTS

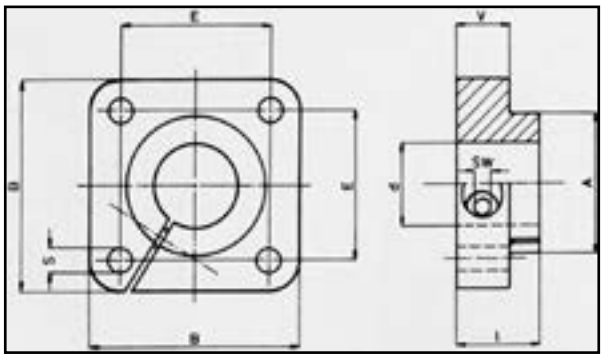


See website for
Stainless Steel version

PART		d	h	H	A	L	E	S	T	o	p	SW
WB57-012		12	20	35	42	20	30	5.3	M6	16	5	3
	WB58-012	12	19	33	40	18	27	5.3	M6	15	5	3
WB57-016		16	25	42	52	24	38	6.6	M8	17	6	3
	WB58-016	16	22	38	45	20	32	5.3	M6	17	6	3
WB57-020		20	30	50	60	30	42	8.4	M10	21	7	4
	WB58-020	20	25	45	53	24	39	6.6	M8	21	7	4
WB57-025		25	35	60	76	38	56	10.5	M12	25	9	5
	WB58-025	25	31	54	62	28	44	8.4	M10	24	9	5
WB57-030		30	40	70	86	40	64	10.5	M12	28	10	5
	WB58-030	30	34	60	67	30	49	8.4	M10	27	10	5
WB57-040		40	50	90	108	48	82	13.5	M16	34	12	6
	WB58-040	40	42	76	87	40	66	10.5	M12	35	12	6
WB57-050		50	60	105	130	58	100	17.5	M20	40	13	6
	WB58-050	50	50	92	103	50	80	13.5	M16	43	13	6

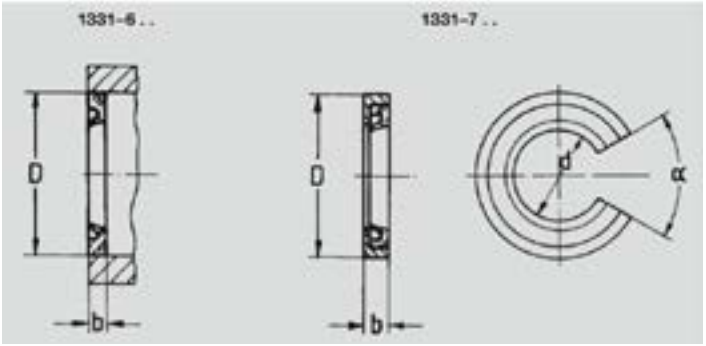
LINEAR - SHAFTS & SUPPORTS

FLANGED SUPPORT BLOCKS

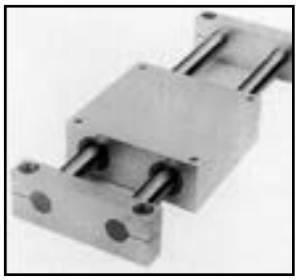


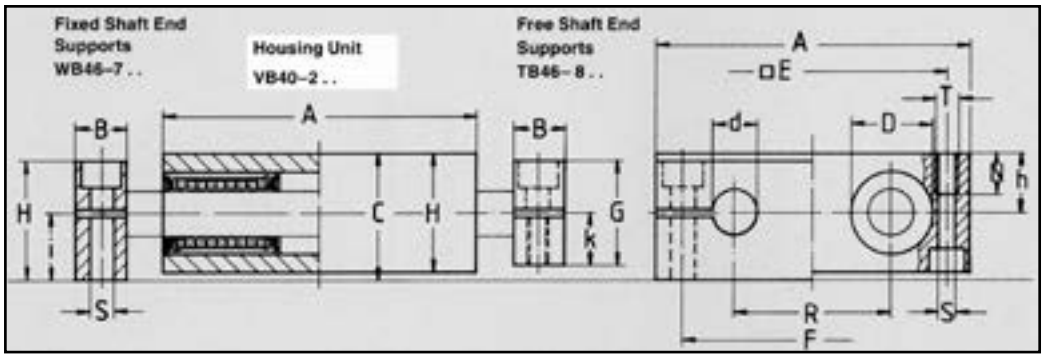
PART	d	B	l	A	E	S	V	SW
FH56-012	12	42	20	23	30	5.5	12	4
FH56-016	16	50	20	27	35	5.5	12	4
FH56-020	20	54	23	33	38	6.6	14	5
FH56-025	25	60	25	42	42	6.6	16	5
FH56-030	30	76	30	49	54	9	19	6
FH56-040	40	96	40	65	68	11	26	8
FH56-050	50	106	50	75	75	11	36	8

SEALS



PART		d	D	b	α
CLOSED	**OPEN**				
1331-612		12	22	3	
	1331-712	12	22	5	68
1331-616		16	26	3	
	1331-716	16	26	5	
1331-620		20	32	4	
	1331-720	20	32	6	56
1331-625		25	40	4	
	1331-725	25	40	6	58
1331-630		30	47	5	
	1331-730	30	47	7	58
1331-640		40	62	5	
	1331-740	40	62	7	57
1331-650		50	75	6	
	1331-750	50	75	11	55

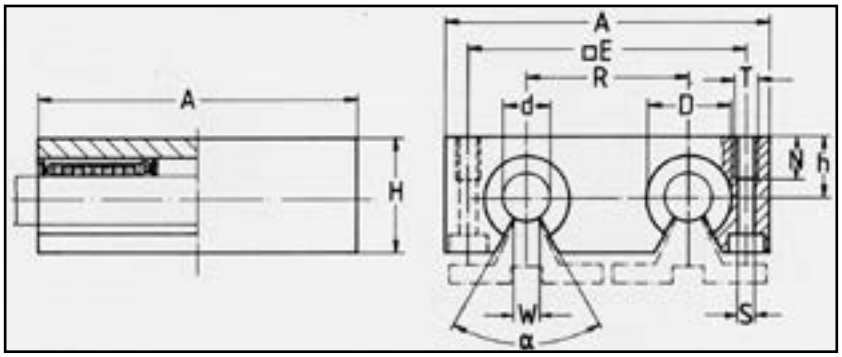




SHAFT SUPPORTS		HOUSING	Dimensions																Load (kN)	
Fixed End	Free End		d	A	H	h	C	D	E	i	B	R	S	T	N	k	F	G	C	C_0
		VB40-208	8	65	23	15.5	24	16	55			32	4.3	M5	11				0.9	1.2
WB46-708	TB46-808		8	65	23					12.5	12	32	5.5	M5		11	52	22		
		VB40-212	12	85	32	16	34	22	73			42	5.3	M6	13				1.3	2
WB46-712	TB46-812		12	85	32					18	14	42	6.6	M6		14	70	28		
		VB40-216	16	100	36	18	38	26	88			54	5.3	M6	13				1.5	2.3
WB46-716	TB46-816		16	100	36					20	18	54	9	M8		16	82	32		
		VB40-220	20	130	46	23	48	32	115			72	6.4	M8	18				3.2	4.9
WB46-720	TB46-820		20	130	46					25	20	72	11	M10		21	108	42		
		VB40-225	25	160	56	28	58	40	140			88	8.4	M10	22				5.6	8.7
WB46-725	TB46-825		25	160	56					30	25	88	13.5	M12		26	132	52		
		VB40-230	30	180	64	32	67	47	158			96	10.5	M12	26				6.3	10
WB46-730	TB46-830		30	180	64					35	25	96	13.5	M12		29	150	58		
		VB40-240	40	230	80	40	84	62	202			122	13.5	M16	34				11	15
WB46-740	TB46-840		40	230	80					44	30	122	17.5	M16		36	190	72		
		VB40-250	50	280	96	48	100	75	250			152	13.5	M16	34				16.5	26
WB46-750	TB46-850		50	280	96					52	30	152	17.5	M16		44	240	88		

LINEAR - ASSEMBLIES

OPEN TYPE HOUSING UNITS

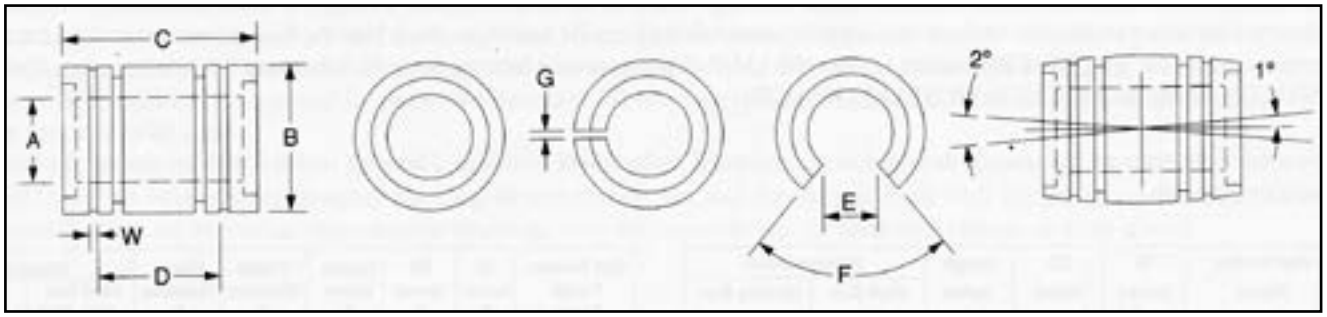


PART	d	A	H	h	D	E	R	S	T	N	W	α	Load C (kN)	Load C_0 (kN)
VB45-212	12	85	30	18	22	73	42	5.3	M6	13	7.5	78	1.5	2.2
VB45-216	16	100	35	22	26	88	54	5.3	M6	13	10	78	1.8	2.7
VB45-220	20	130	42	25	32	115	72	6.4	M8	18	10	60	3.3	5.0
VB45-225	25	160	51	30	40	140	88	8.4	M10	22	12.5	60	5.8	9.0
VB45-230	30	180	60	35	47	158	96	10.5	M12	26	12.5	50	6.3	10.4
VB45-240	40	230	77	45	62	202	122	13.5	M16	34	16.8	50	10.9	15.6
VB45-250	50	280	93	55	75	250	152	13.5	M16	34	21	50	16.8	25.9

LINEAR - PLAIN SLIDING

EUROPEAN METRIC

PREFIX: L = closed, LX = open and LA = adjustable
SUFFIX: SL = self lubricating, SA = self aligning
Full technical data can be found at www.euro-bearings.com



PART	Working Bore				Circlip		LX		LA
(add prefix L, LX or LA)	A	Tolerance	B (h7)	C (h14)	D	W	E (slot width)	F (slot angle)	G (slot width)
5	5	+0.038 to +0.065	12	22	12	1.1	-	-	2
8	8	"	16	25	14	1.1	-	-	2
12	12	"	22	32	20	1.3	7.6	78	2.5
16	16	"	26	36	22	1.3	10.8	78	3
20	20	+0.047 to +0.074	32	45	28	1.6	10.8	60	3.5
25	25	"	40	58	40	1.85	13.2	60	4.5
30	30	"	47	68	48	1.85	14.2	50	5
40	40	+0.049 to +0.089	62	80	56	2.15	18.7	50	7
50	50	"	75	100	72	2.65	23.6	50	8
60	60	"	90	125	95	3.2	29.6	54	10
80	80	+0.122 to 0.173	120	165	125	4.2	38.4	54	14

THIN WALL METRIC

	Working Bore					
PART	A	Tolerance	B (h7)	C (h14)	Max Shaft Diameter	Housing Bore Diameter
L6 TWM	6	+0.038 to 0.065	12	22	6	12
L8 TWM	8	"	15	24	8	15
L10 TWM	10	"	17	26	10	17
L12 TWM	12	"	19	28	12	19
L14 TWM	14	"	21	28	14	21
L16 TWM	16	"	24	30	16	24
L20 TWM	20	+0.047 to 0.074	28	30	20	28
L25 TWM	25	"	35	40	25	35
L30 TWM	30	"	40	50	30	40
L40 TWM	40	+0.049 to 0.089	52	60	40	52
L50 TWM	50	"	62	70	50	62

LINEAR - PLAIN SLIDING

JAPANESE METRIC

PART	Working Bore				Circlip		LX		LA
(add prefix L, LX or LA)	A	Tolerance	B (h7)	C (h14)	D	W	E (slot width)	F (slot angle)	G (slot width)
5 SM	5	+0.038 to 0.065	10	15	8	1.1	-	-	-
6 SM	6	"	12	19	11.3	1.1	-	-	-
8S SM	8	"	15	17	9.2	1.1	-	-	-
10 SM	10	"	19	29	19.3	1.3	-	-	-
12 SM	12	-	21	30	20.3	1.3	8	80	1.5
13 SM	13	"	23	32	20.3	1.3	9	80	1.5
16 SM	16	"	28	37	23.2	1.6	11	60	2
20 SM	20	+0.047 to 0.074	32	42	27.2	1.6	11	60	2
25 SM	25	"	40	59	37.2	1.85	12	50	2
30 SM	30	"	45	64	40.7	1.85	15	50	2
35 SM	35	"	52	70	44.8	2.1	17	50	2
40 SM	40	+0.049 to 0.089	60	80	56.1	2.1	20	50	2
50 SM	50	"	80	100	68.6	2.6	25	50	2

INCH

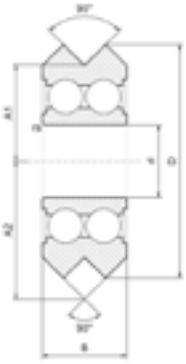
Dimensions in Inches

	Working Bore		OD		Length		Circlip		LX	
PART	A	Tolerance -0.00 / +	B	Tolerance +0.00 / -	C	Tolerance +0.00 / -	D	E	F (slot width)	Slot Angle
408-6	0.2505	0.0010	0.500	0.0010	0.750	0.015	0.437	0.018	0.094	60
610-7	0.3755	0.0010	0.625	0.0010	0.875	0.015	0.562	0.260	0.156	60
814-10	0.5005	0.0010	0.875	0.0010	1.250	0.015	0.875	0.490	0.312	60
1018-12	0.6255	0.0010	1.125	0.0010	1.500	0.015	1.000	0.550	0.375	60
1220-13	0.7508	0.0010	1.250	0.0010	1.625	0.015	1.062	0.612	0.438	60
1625-18	1.0008	0.0010	1.5625	0.0010	2.250	0.015	1.625	1.180	0.563	60
2032-21	1.2508	0.0010	2.000	0.0010	2.625	0.020	1.875	1.425	0.625	60
2438-24	1.5008	0.0015	2.375	0.0015	3.000	0.020	2.250	1.670	0.750	60
3248-32	2.0012	0.0015	3.000	0.0015	4.000	0.020	3.000	1.450	1.000	60
4060-40	2.5007	0.0015	3.750	0.0015	5.000	0.025	3.750	1.600	1.250	60
4872-48	3.0003	0.0020	4.500	0.0020	6.000	0.030	4.500	2.190	1.500	60
6496-64	4.0012	0.0020	6.000	0.0020	8.000	0.040	6.000	-	2.000	60

LINEAR - TRACK GUIDANCE

EURO-VEE BEARINGS

EV W1 = 2 metal shields
EV W1**X** = 2 rubber seals



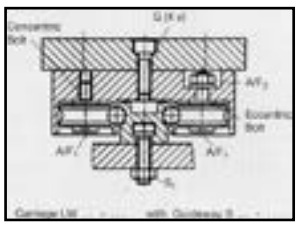
See page 46 for rail

Bearings also available in **stainless steel**

PART	Weight (g)	d	D	B	A1	A2	rs	Radial Load (kN)	Axial Load (kN)
EV W1	11	4.763	19.56	7.87	7.93	11.86	0.3	1.0	0.2
EV W1X	11	4.763	19.56	7.87	7.93	11.86	0.3	1.0	0.2
EV W2	38	9.525	30.73	11.1	12.7	18.24	0.3	2.5	0.5
EV W2X	38	9.525	30.73	11.1	12.7	18.24	0.3	2.5	0.5
EV W3	130	12	45.72	15.88	19.05	26.98	0.6	4.9	1.5
EV W3X	130	12	45.72	15.88	19.05	26.98	0.6	4.9	1.5
EV W4	280	15	59.94	19.05	25.4	34.93	1	8.2	3.5
EV W4X	280	15	59.94	19.05	25.4	34.93	1	8.2	3.5

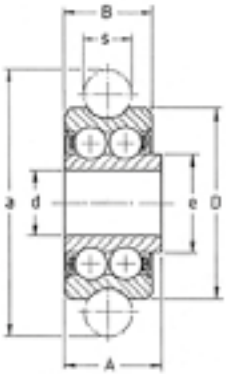
TRACK GUIDANCE SYSTEMS - BEARINGS

See page 37 for carriages and spigots

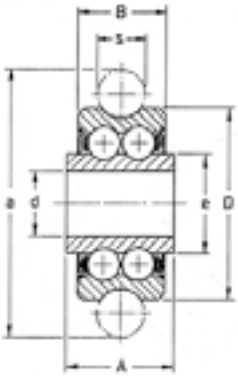


Replace _ with 0 for steel and 5 for stainless steel.

LR25, LR36, LR52 and LR64



LR27 and LR80

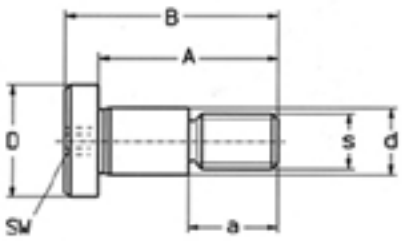


PART	d	D	B	A	a	s	e	C (N)	C_0 (N)
LR25-_05	5	17	7	8.5	25	5	6.9	1200	800
LR27-_05	5	17	7	8	27	6		1270	890
LR36-_08	8	24	11	12.5	37	8	11.5	3300	2100
LR52-_12	12	35	15.9	15.9	51.3	10		8600	5150
LR64-_15	15	47	19	19	63.3	10		14000	7700
LR80-_20	20	52	20.6	22.6	79	16	27	15600	9100

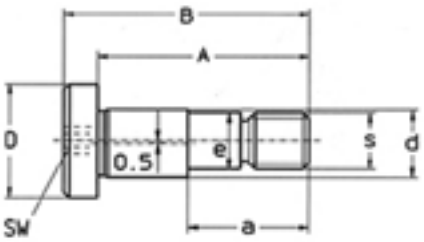
LINEAR - TRACK GUIDANCE

TRACK GUIDANCE SYSTEMS - SPIGOTS

Concentric Spigot
G..- and **B**..-

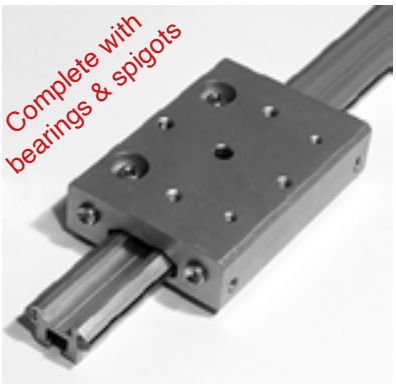


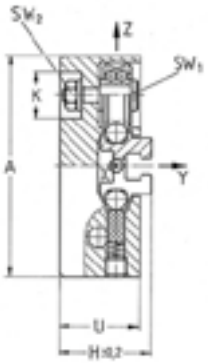
Eccentric Spigot
E..-

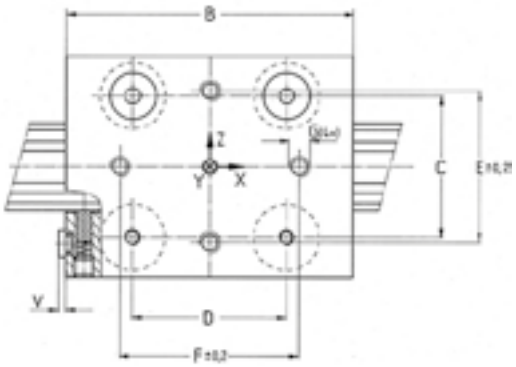


PART	d	D	B	A	a	s	SW
G25-_M24	5	9	20	17.5	4.5	M4	3
G36-_M26	8	12	29	26.5	8.5	M6	4
G52-_M10	12	20	42	36	14	M10	6
G64-_M10	15	20	50	44	19.6	M10	6
B25-_M04	5	9	17	14.5	7	M4	3
B36-_M06	8	12	24.5	22	10.5	M6	4
B54-_M10	12	20	38	32	15.5	M10	6
E25-_M04	5	9	19	16.5	9	M4X5	3
E36-_M06	8	12	29	26.5	15	M6X8	4
E54-_M10	12	20	43.5	37.5	21	M10X12	8

TRACK GUIDANCE SYSTEMS - CARRIAGES



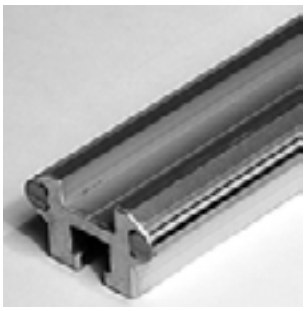


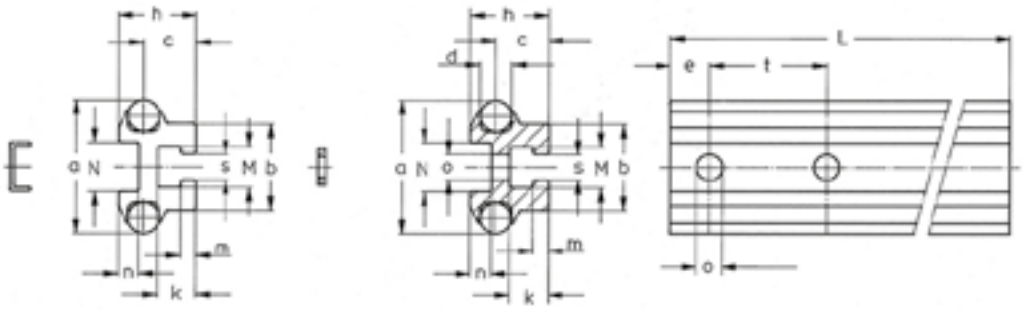


PART (with Wiper)	PART (no Wiper)	H	A	B	C	D	K	U	V	E	F	G	SW_1	SW_2
LW25-410	**LW25-010**	25.0	65	95	42	54	14	21	3	50	60	M5X9	3	7
LW36-410	**LW36-010**	35.5	86	112	55	62	18	31	3	59	70	M8X15	6	10
LW54-410	**LW54-010**	54.3	130	136	87	70	26	47	3	90	70	M10X21	8	17

MAX PERMISSIBLE LOADS										
PART	Fy (N)	F_0y (N)	Fz (N)	F_0z (N)	Mx (Nm)	M_0x (Nm)	My (Nm)	M_0y (Nm)	Mz (Nm)	M_0z (Nm)
LW25-.10	400	650	700	700	4.4	7.2	19	19	11	18
LW36-.10	850	1400	1400	1400	11	18	43	43	26	43
LW54-.10	1500	2500	3500	3500	35	58	123	123	53	88

TRACK GUIDANCE SYSTEMS - GUIDEWAYS





Tee Slot	Thru Bolt	h	a	b	c	d	n	N	o & s	Bolt	t	m	k	M
S25-…	**S25B-…**	15.5	27	18	10.6	5	4.6	11	5.5	M5	62.5	3	8	8.2
S36-…	**S36B-…**	20	34	22	13.5	8	5.3	12.5	6.6	M6	125	4	10	10.5
S54-…	**S54B-…**	34	56	38	24.1	10	8	18.5	11	M10	250	6.4	15.4	18.5

... represents the length of rail required in millimetres

TRACK GUIDANCE SYSTEMS ARE ALSO AVAILABLE IN **STAINLESS STEEL**

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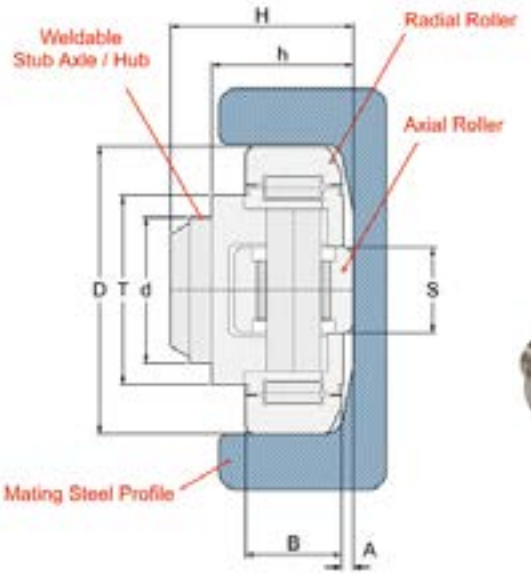
COMBINED ROLLER BEARINGS & MATING STEEL PROFILES

STANDARD COMBINED ROLLER BEARINGS

See website for details of how to select the correct size of bearings & channels using Hertzian Pressure



BEARING PART	D	T	d	H	h	B	A	S	r	C (kN)	C_0 (kN)	Ca (kN)	C_0a (kN)	Radial Brg ID	PROFILE REF	PLATE REF
4.053*	52.5	40	30	33	27	17	2	15	2	24	32	7	7	28	EC053	PL 00
4.054*	62	42	30	37.5	30.5	20	2.5	20	3	31	35.5	11.1	11.5	38	2890	PL 0
4.055*	70.1	48	35	44	36	23	2.5	22	4	45.5	51	14	13	42	2867 / 3018	PL 1
4.056	77.7	54	40	48	36.5	23	3	24	4	48	56.8	18	18	46	2810	PL 2
4.057	77.7	53	40	40	29	23	3	24	4	48	56.8	18	18	46	3019	
4.058	88.4	59	45	57	44	30	3.5	26	3	68	72	23	23	50	2811 / 3020	PL 3
4.059	101.2	67	50	46	33	28	3	30	3	73	82	25	27	58	2912	
4.060	107.7	71	55	54	40	31	3	34	5	81	95	31	36	63	3100	
4.061	107.7	71	60	69	55	31	3	34	5	81	95	31	36	63	2862	PL 4
4.062	123	80	60	72.3	56	37	5	40	5	110	132	43	50	71	2891 / 3353	PL 4
4.063	149	103	60	78.5	58.5	45	5.5	50	3	151	192	68	71	90	2757	PL 6

C =Dynanic Load Capacity for **radial** roller
C_0 = Static Load Capacity for **radial** roller

Ca = Dynamic Load Capacity for **axial** (side) roller
C_0a = Static Load Capacity for **axial** roller

* Do NOT have grease Holes

•• Also available with corrosion resistant coating - see website for information ••

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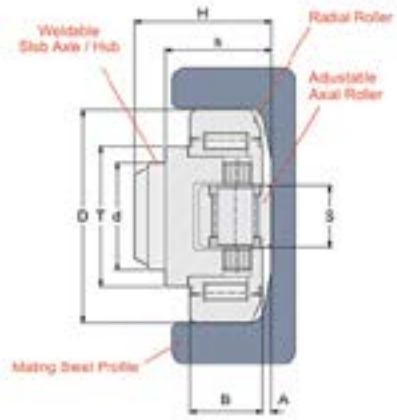
COMBINED ROLLER BEARINGS & MATING STEEL PROFILES

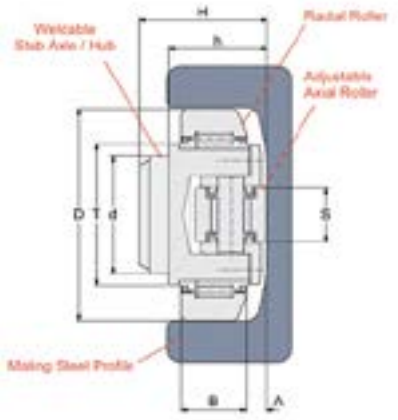
ECCENTRIC ADJUSTABLE COMBI BRGS

BEARING REF	D	T	d	H	h	B	A	S	r	C kN	C_0 kN	Ca kN	C_0a kN	Max rpm	PROFILE REF	PLATE REF
4.454	62	42	30	37.5	30.5-32	20	4	20	3	31	35.5	11	11	900	2890	PL 0
4.455	70.1	48	35	44	36-37.5	23	4	20	4	45	51	18	18	900	2867	PL1
4.456	77.7	54	40	48	37-38.5	23	3.5	26	4	48	56.8	18	18	800	2810	PL 2
4.457	77.7	54	40	40	29-30.5	23	3.5	26	4	48	56.8	18	18	800	3019	
4.458	88.4	59	45	57	44-45.5	30	4	26	4	68	72	23	23	750	2811	PL 3
4.459	101.2	69	50	46	33-35	26	4.5	30	3	73	82	25	27	700	2912	
4.460	107.7	69	55	54	40-42	31	4	30	5	81	95	25	27	650	3100	
4.461	107.7	69	60	69	55-57	31	4	30	5	81	95	25	27	650	2862	PL 4
4.462	123	80	60	72.3	56-60	37	4.5	34	5	110	132	31	36	550	2891	PL 4
4.463	149	103	60	78.5	58.5-62.5	45	6	34	3	151	192	31	36	450	2757	PL 6



Left:
Eccentric Adjustable
Combined Bearings

Right:
Shim Adjustable
Combined Bearings

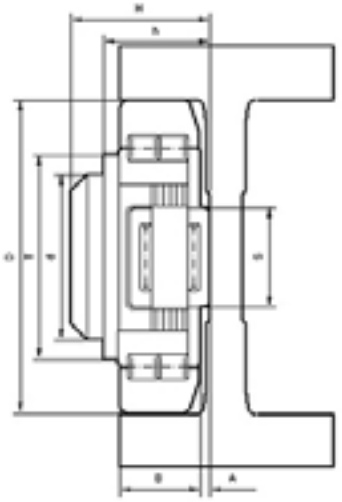


SHIM ADJUSTABLE COMBINED BEARINGS

PART	D	T	d	H	h	B	A	S	r	C	C_0	Ca	C_0a	EURO RAIL	PLATE REF
4.072	62	42	30	43	33	20	5.5	16	3	31	35.5	8	8	2890	PL0
4.073	70.1	48	35	48	40	23	6.5	16	4	45.5	51	14	14	2867	PL1
4.074	77.7	54	40	51	39.5	23	7	21	4	48	56.8	14	14	2810	PL2
4.075	77.7	54	40	45	34	23	7	21	4	48	56.8	14	14	3019	
4.076	88.4	59	45	61	48	30	7	21	4	68	72	15	15	2811	PL3
4.077	101.2	67	50	50.5	37.5	28	7	21	5	73	83	18	19	2912	
4.078	107.7	71	55	58.5	44.5	31	8	33	5	81	95	31	36	3100	
4.079	123	80	60	75.8	59.5	37	8	33	5	110	132	31	36	2891	PL4
4.080	149	103	60	89	69	45	15	50	3	151	192	68	71	2757	PL6

COMBINED ROLLER BEARINGS & MATING STEEL PROFILES

JUMBO COMBINED ROLLER BEARINGS



C_0 = Static load rating
C = Dynamic load rating
FC... = C section channel
FM... = I section channel

PART	D	T	d	H	h min-max	B	A	S	r	C kN	C_0 kN	Ca kN	C_0a kN	PROFILES
4.089	165	113	80	69	53-56	40	5	50 (40)	3	213	388	85 (46)	133 (79)	FC165 & FM165
4.090	190	124	100	84.5	64.5-67.5	48	6.5	60 (40)	4	266	500	100 (46)	180 (79)	FC190 & FM190
4.091	220	146	110	94.5	74.5-77.5	58	6.5	75 (60)	5	326	681	138 (101)	257 (173)	FC 220 & FM 220
4.092	250	168	120	102	77-80	60	7	75 (60)	5	369	748	138 (101)	257 (173)	FC 250 & FM 250
4.093	280	188	150	119.5	89.5-93.5	72	7.5	90 (60)	5	489	1066	182 (101)	488 (173)	FC 280 & FM 280
4.094	320	218	140	135	110-114	85	10	90	8	642	1370	210	422	To order. Please enquire.
4.095	340	240	140	150	120-124	89	10	100	8	735	1600	232	463	To order. Please enquire.
4.096	390	242	170	200	150-154	118	10	100	8	1050	2243	232	463	To order. Please enquire.

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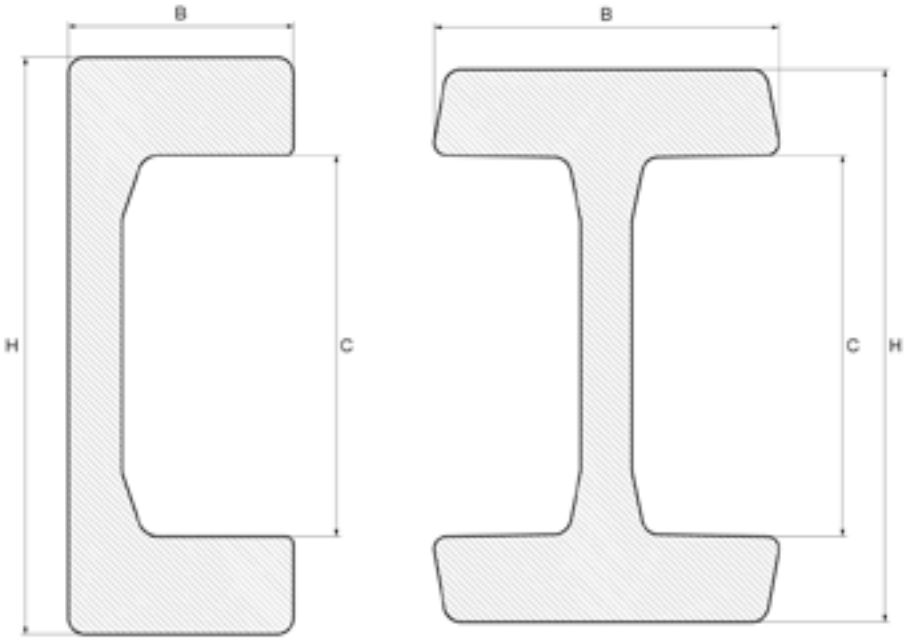
COMBINED ROLLER BEARINGS & MATING STEEL PROFILES

STANDARD CHANNELS

Typical C & I Section Shapes

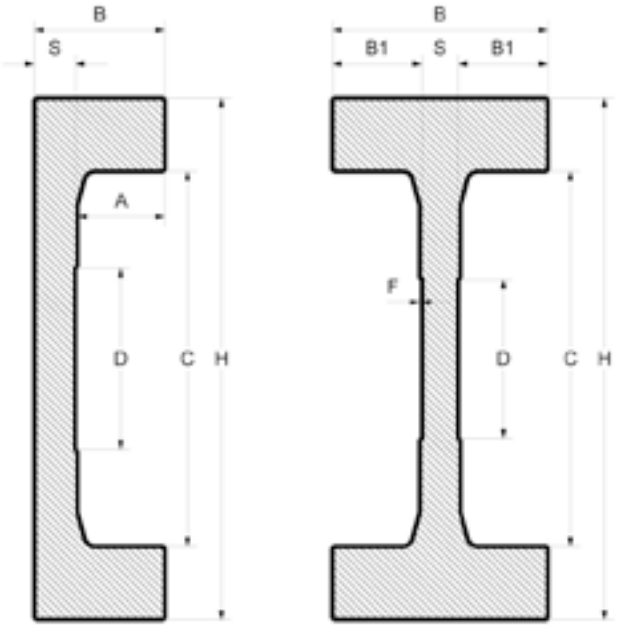


PROFILE	Web Height H (mm)	Flange Width B (mm)	Channel Height C (mm)	Weight (kg/m)	BEARING	MOUNTING PLATE	SECTION SHAPE
EC053	65	30	53	5.2	4.053	PL00	C Section
2890	86.5	36	62.5	10.5	4.054	PL0	C Section
2867	103.2	40	70.8	14.8	4.055	PL1	C Section
3018	98	65	70	19.4	4.055	PL1	I Section
2810	121.3	41	78.7	20.9	4.056	PL2	C Section
3019	113.9	66.1	77.9	25.3	4.057	-	I Section
2811	135.4	53	89.4	28.6	4.058	PL3	C Section
3020	129.6	81	88.6	34	4.058	PL3	I Section
2912	140.1	69.9	102	31.2	4.059	-	I Section
3100	152.4	83	108.4	40.8	4.060	-	I Section
2862	157.2	61.2	108.4	36	4.061	PL4	C Section
2891	175	66.2	123.8	42.8	4.062	PL4	C Section
3353	175	90	123.8	51.4	4.062		I Section
2757	201.5	71.2	150.1	52.4	4.063	PL6	C Section

See website for details of how to select the correct size of bearings & channels using Hertzian Pressure

COMBINED ROLLER BEARINGS & MATING STEEL PROFILES

JUMBO CHANNELS



C SECTION (FC)

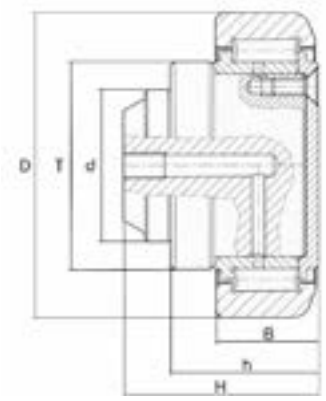
PART	C	H	B	S	D	A	Weight (kg/m)	Ex (mm)	Ey (mm)	Ix (cm^4)	Iy (cm^4)	Wx (cm^3)	Wy (cm^3)
FC165	165.4	230	57.5	18	80	38.5	53.3	19.9	115	4410.5	174.6	383.5	87.5
FC190	190.4	255	77	22	80	53	73.7	25.9	127.5	7631.6	434.2	598.6	167.7
FC220	220.4	295	85	20	125	62.5	86.1	29	147.5	12632.7	672.0	856.4	231.7
FC250	250.4	344	94	26.5	125	65.5	122.8	32.4	172	23371.6	1117.4	1358.8	344.9
FC280	280.4	394	114	26.5	125	85.5	161.85	40.8	157	42473.6	2354.8	2156	577

I SECTION (FM)

PART	C	H	B	S	D	B1	F	Weight (kg/m)	Ex (mm)	Ey (mm)	Ix (cm^4)	Iy (cm^4)	Wx (cm^3)	Wy (cm^3)
FM165	165.4	230	95	16	70	39.5	1	72.7	47.5	115	6894	472	600	99
FM190	190.4	255	130	20	70	55	2	100.4	65	127.5	12003	1203	941	185
FM220	220.4	295	150	20	90	65	2	126.3	75	147.5	20991	2119	1423	283
FM250	250.4	345	160	25	90	67.5	2	172.7	80	171.5	37838	3274	2206	409
FM280	280.4	375	190	30	120	80	2	212.8	95	187.5	55163	5492	2942	578

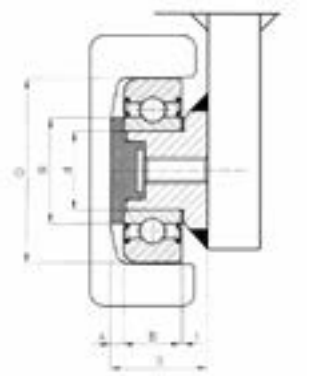
COMBINED ROLLER BEARINGS & MATING STEEL PROFILES

RADIAL BEARINGS



PART	D	T	d	H	h	B	r	C (kN)	C_0 (kN)	PROFILE
2.2062	62	42	30	36.5	29.5	20	3	39	65	2890
2.2070	70.1	48	35	42	34	23	4	56	93	2867
2.2077	77.7	53	40	45.5	34	23	4	57	101	2810
2.2088	88.4	59	45	54	41	30	4	82	134	2811
2.2107	107.7	71	60	65.5	51.5	31	5	96	174	2862
2.2123	123	80	60	67.8	51.5	37	5	131	243	2891
2.2149	149	103	60	74	54	45	3	183	353	2757

CHANNEL BALL BEARINGS



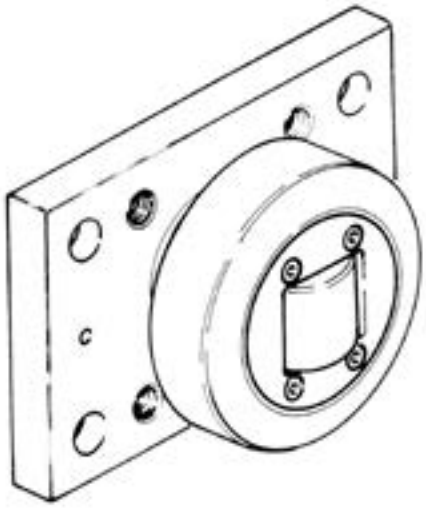
Assembly includes stub axle, rubbing block, bearing & spacer

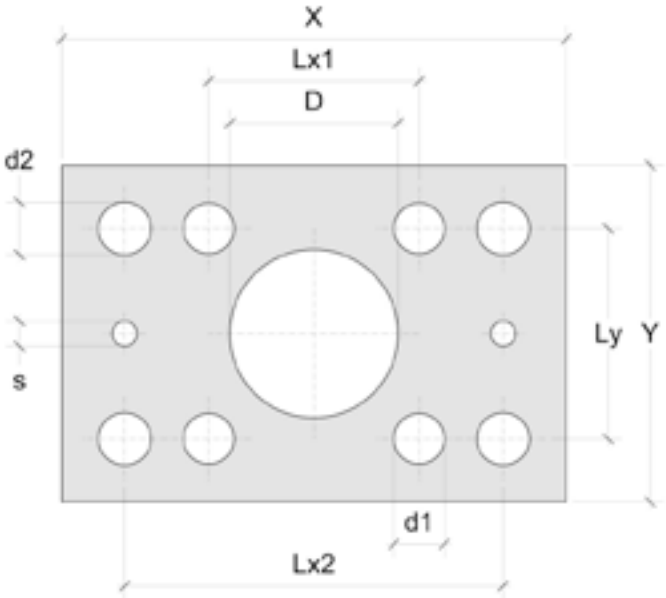
Assembly Part No	Load (KN)	Load Centre (mm)	d (mm)	D (mm)	B (mm)	S min - max (mm)	R (mm)	A (mm)	Bearing Part No*	Suits Channel Type:
10001	5 to 8	500	25	62.4	20	31 - 33	32	5	MRS948	2890
10002	10 to 15	500	30	70	22	36 - 38	40	5	MRS901	2867 & 3018
10003	15 to 20	500	30	78	22	36 - 38	40	5	MRS907	2810 & 3019

COMBINED ROLLER BEARINGS & MATING STEEL PROFILES

MOUNTING PLATES

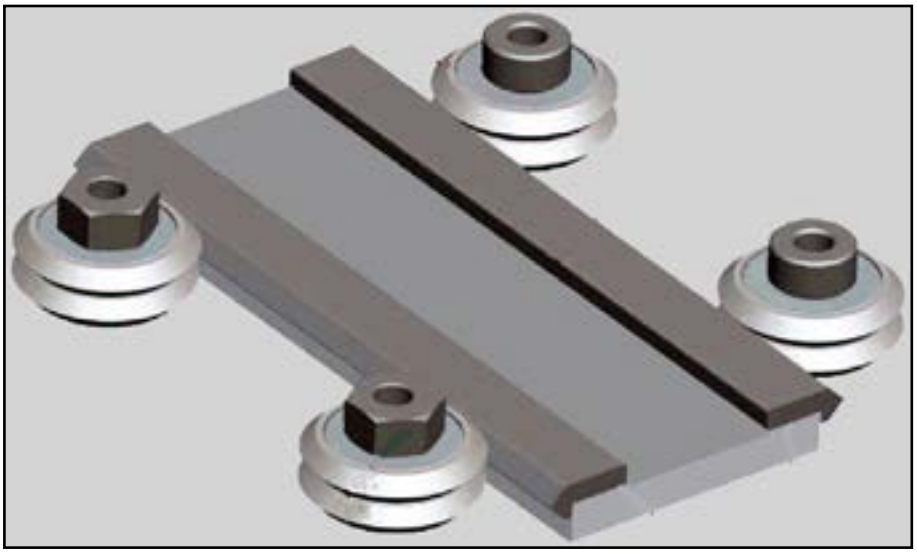
PART	BEARING	X	Y	Z	Lx1	Lx2	Ly	d1	d2	D	s
PL00	4.053	90	50	10	40	70	30	M8	8.5	30	6
PL0	4.054	100	60	10	40	80	40	M10	10.5	30	6
PL1	4.055	120	80	15	50	90	50	M12	12.5	35	6
PL2	4.056	120	80	15	50	90	50	M12	12.5	40	6
PL3	4.058	120	120	20	90	-	90	M16	-	45	-
PL4	4.061 & 4.062	180	120	20	80	140	80	M16	17	60	6
PL6	4.063	200	150	20	100	160	100	M16	17	60	6

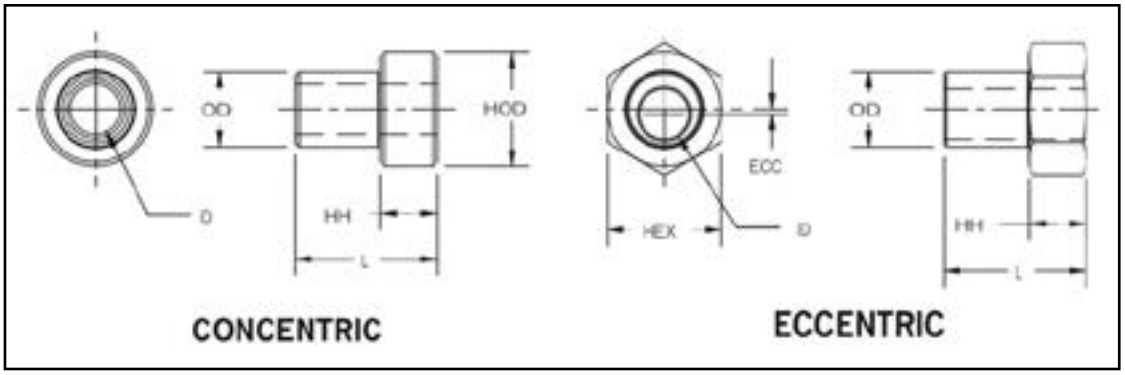




LINEAR - EURO-VEE BEARINGS

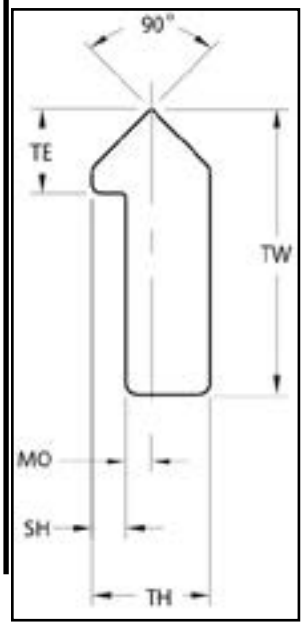
MOUNTING BUSHINGS





Concentric	Eccentric	To fit Bearing	L	OD	Hex (Inch)	ID	ECC	HH	HOD	Bolt (Inch)
B1	**B1X**	EV-W1X	13.97	4.76	7/16	3.56	0.30	6.35	11.18	No 6
B2	**B2X**	EV-W2X	17.93	9.52	9/16	6.35	0.61	7.14	14.22	1/4
B3	**B3X**	EV-W3X	25.15	11.99	3/4	7.92	1.07	9.53	19.05	5/16
B4	**B4X**	EV-W4X	29.90	15.00	7/8	9.53	1.52	11.10	22.35	3/8

T RAIL



PART	TW	TH	TE	MO	SH
T1	11.10	4.75	3.18	0.79	1.57
T2	15.88	6.35	4.75	0.79	2.39
T3	22.23	8.71	6.35	1.60	2.77
T4	26.97	11.10	7.92	2.39	3.18

See Page 36 for Euro-Vee Bearings

MOTION GUIDANCE SYSTEMS

The Linear Motion Guidance range has been updated for 2024.

These profiled linear guides offer high precision linear motion and are suitable for heavy duty applications. Available in seven sizes from 15 to 55 with a range of carriages (standard, compact and wide in both block and flanged styles). The carriage blocks have four raceways of balls and are designed such that the balls have two points of contact providing equal load capacity in all directions. This new verson features an inner seal which offers good protection against contamination.

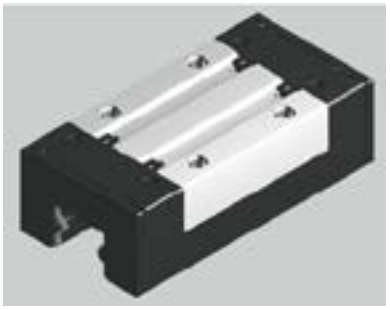
The current range is shown on our website and can be found using the links below:

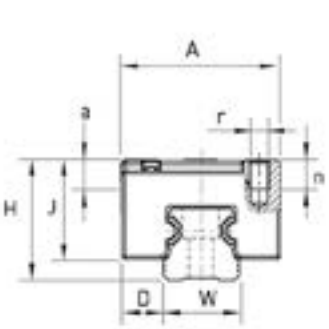
TWH standard carriages (sizes 15 to 55)
TWS compact carriages (sizes 15 to 25)
TWHW wide carriages (sizes 17 to 35)

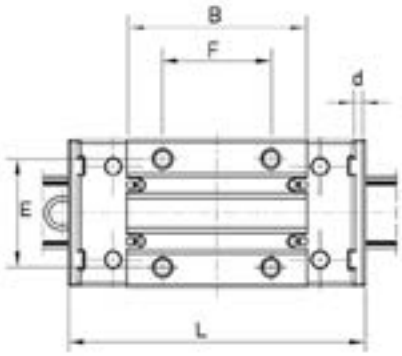
Other motion guidance ranges include Aluminium Motion Guidance (see page 48) and Miniature Motion Guidance.

MOTION GUIDANCE SYSTEMS ALUMINIUM

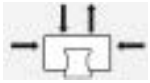
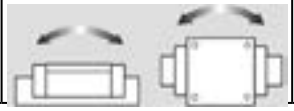
STANDARD CARRIAGE (GNS)



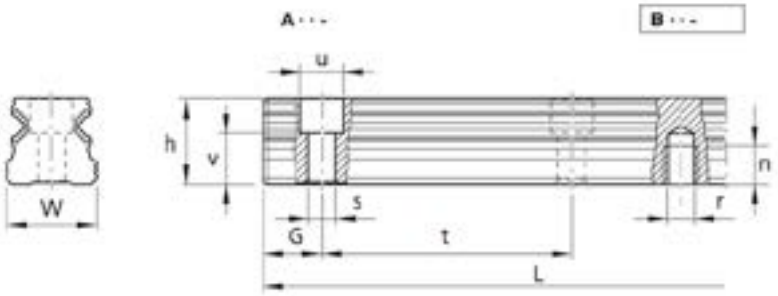




Part	A	H	W	D	L	B	E	F	r	n	J	a	d
GNS-1500	34	24	15	9.5	64.0	37.8	26	26	M4	6.0	19.8	4.1	2.5
GNS-2000	44	30	20	12.0	85.9	51.5	32	36	M5	7.5	24.7	5.5	2.8
GNS-2500	48	36	23	12.5	96.0	58.0	35	35	M6	9.0	29.9	6.4	3.0

Loads	C dyn (N)	F max (N)	M_T dyn (Nm)	M_T stat (Nm)	M_L dyn (Nm)	M_L stat (Nm)	Weight (kg)
GNS-1500	5000	2000	36	14	29	12	0.07
GNS-2000	11000	4400	101	40	89	35	0.15
GNS-2500	16000	6400	165	66	147	59	0.22
							

RAILS

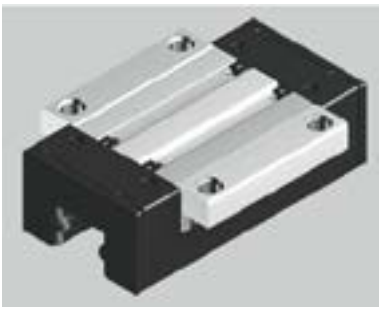


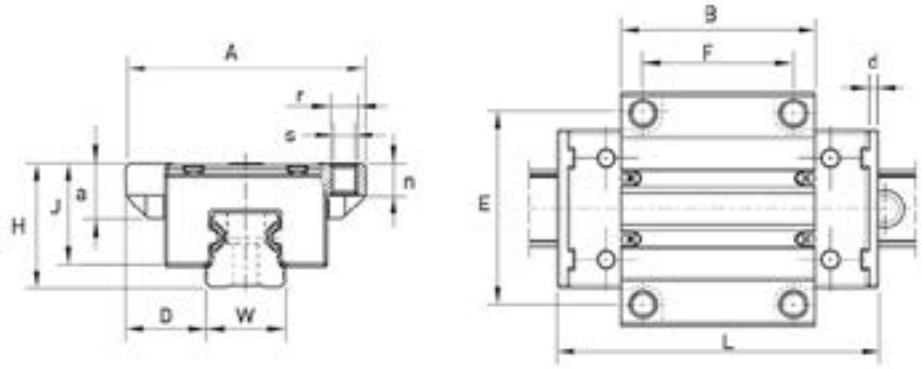
Part	W	h	u	v	s	G	r	n	t	L max	Weight (kg/m)
A15-	15	14.0	7.5	8.1	4.4	28			60	4000	0.57
B15-	15	14.0				28	M5	7	60	4000	0.57
A20-	20	19.0	9.5	11.6	6.0	28			60	4000	0.98
B20-	20	19.0				28	M6	9	60	4000	0.98
A25-	25	21.8	11.0	12.9	7.0	28			60	4000	1.25
B25-	25	21.8				28	M6	12	60	4000	1.25

Aluminium rails with stainless steel running tracks. Light & compact.

MOTION GUIDANCE SYSTEMS
ALUMINIUM

FLANGED CARRIAGE (FNS)





Part	A	H	W	D	L	B	E	F	s	r	n	J	a	d
FNS-1500	47	24	15	16.0	64.0	37.8	38	30	4.3	M5	6.0	19.8	11	2.5
FNS-2000	63	30	20	21.5	85.9	51.5	53	40	5.3	M6	8.0	24.7	13	2.8
FNS-2500	70	36	23	23.5	96.0	58.0	57	45	6.7	M8	9.3	29.9	17	3.0

Loads	C dyn (N)	F max (N)	M_T dyn (Nm)	M_T stat (Nm)	M_L dyn (Nm)	M_L stat (Nm)	Weight (kg)
FNS-1500	5000	2000	36	14	29	12	0.08
FNS-2000	11000	4400	101	40	89	35	0.18
FNS-2500	16000	6400	165	66	147	59	0.26

Vee Bearings
& Rails

Combined Roller
Bearings & Rails

NEED TECHNICAL ADVICE?
Contact Kate or Matt

Telephone: 01908 511733

email: sales@euro-bearings.com

www.euro-bearings.com

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