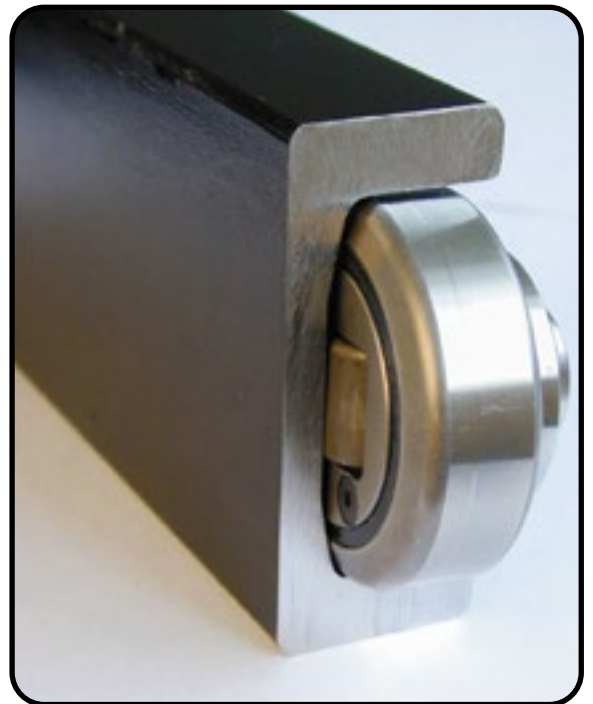


EURO-BEARINGS LTD

LINEAR MOTION PRODUCTS



www.euro-bearings.com

Tel. 01908 511733

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KEY

All dimensions in mm
(unless otherwise stated)
C = dynamic load
C₀ = static load
1 kgf = 10 Newtons
UU = 2 seals

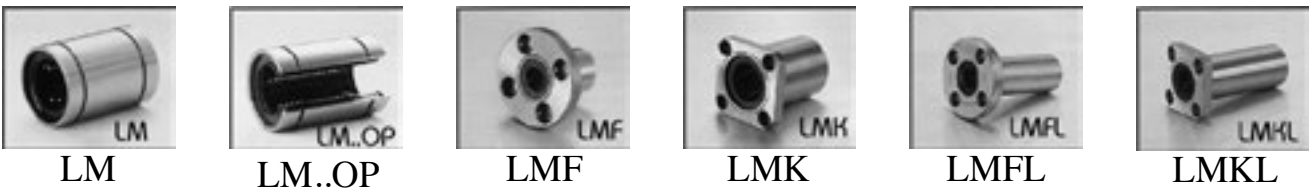
PLEASE NOTE: This catalogue is intended to be a quick guide to Euro-Bearings' Linear Motion products. Full technical details can be found online at: www.euro-bearings.com

G2K LINEAR

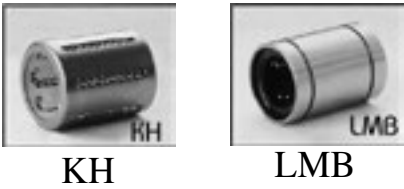
EUROPEAN METRIC



JAPANESE METRIC

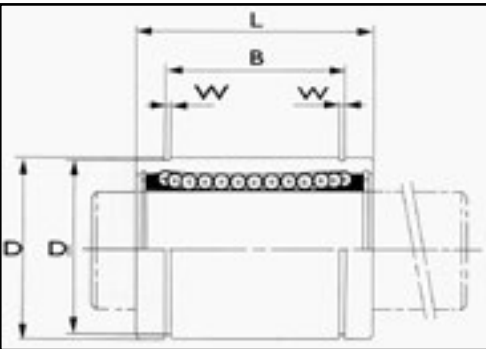


COMPACT (KH) & INCH (LMB)



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

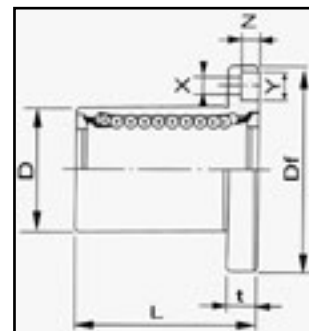
LME



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

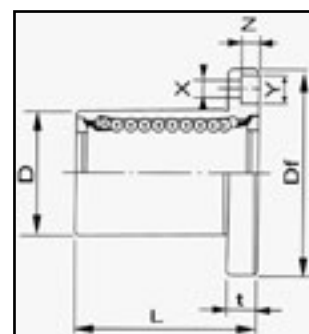
G2K LINEAR

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

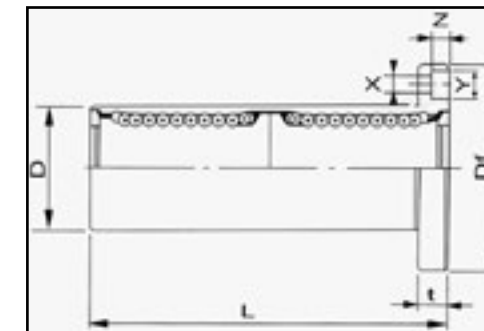
LMEK



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

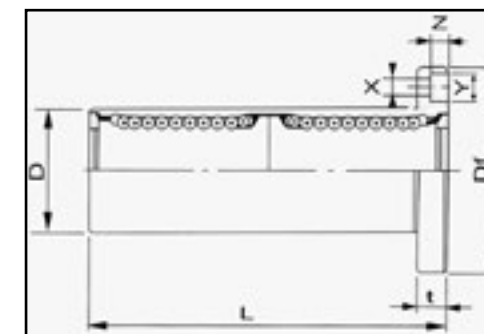
G2K LINEAR

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

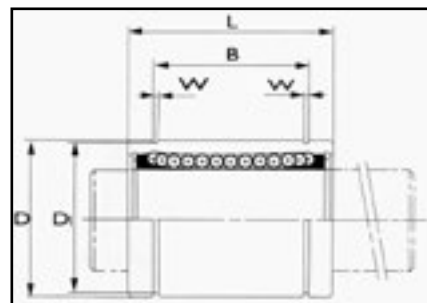
LMEKL



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

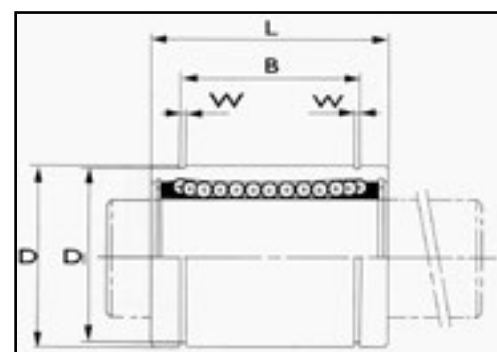
G2K LINEAR

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

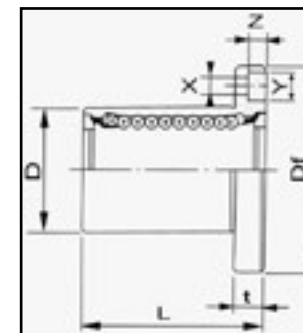
LM..OP



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

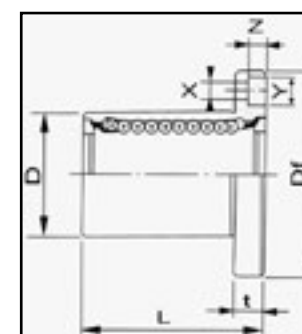
G2K LINEAR

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

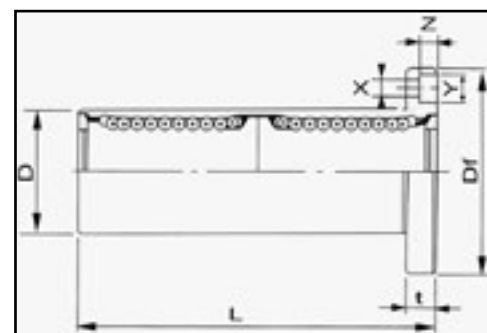
LMK



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

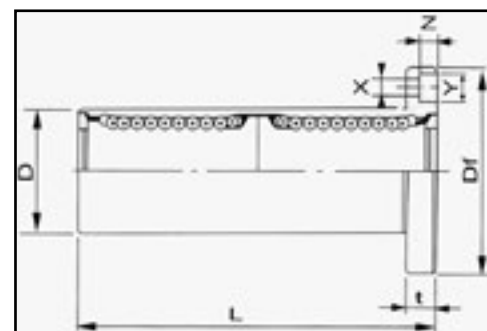
G2K LINEAR

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

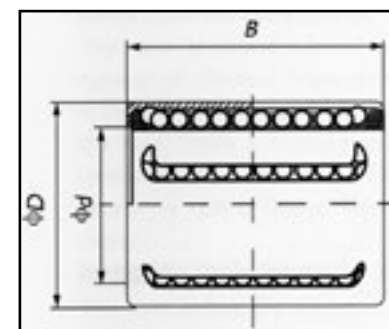
LMKL



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

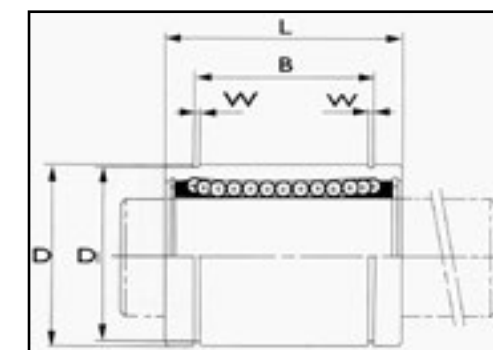


PART	d	D	B	C (N)	C ₀ (N)	Weight (g)
KH0622PP	6	12	22	400	239	7
KH0824PP	8	15	24	435	280	12
KH1026PP	10	17	26	500	370	15
KH1228PP	12	19	28	620	510	19
KH1428PP	14	21	28	620	520	21
KH1630PP	16	24	30	800	620	28
KH2030PP	20	28	30	950	790	33
KH2540PP	25	35	40	1990	1670	66
KH3050PP	30	40	50	2800	2700	95
KH4060PP	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

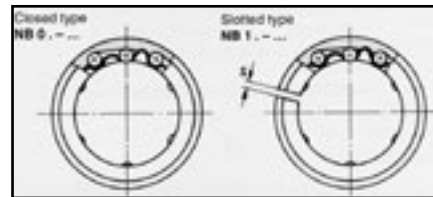
Dimensions in Inches

LINEAR STANDARD BALL BUSHINGS

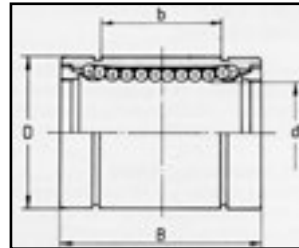


ALSO SEE LME
& LMEA

NB00-0.. for no seals
with steel cage or
NB02-3.. for two seals
with plastic cage

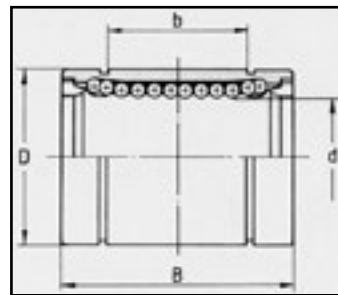


NB10- and NB12 for slotted type.
Please see website.



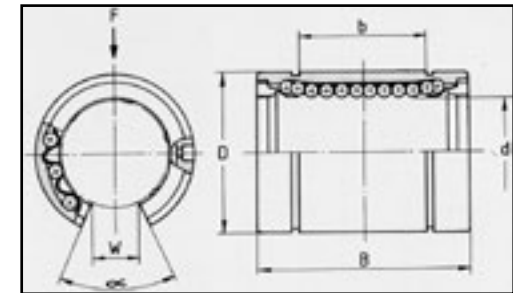
Closed Type	Adjustable Type	d	D	B	b	s	Ball Circuits	Load C (N)	Load C ₀ (N)	Weight (kg)
NB00-005	NB1.-305	5	12	22	12	1	4	210	270	0.01
NB00-008	NB1.-308	8	16	25	14	1	4	270	410	0.02
NB00-010	-	10	19	29	19	1	4	380	560	0.03
NB00-012	NB1.-012	12	22	32	20	1.5	4	520	800	0.04
NB00-016	NB1.-016	16	26	36	22	1.5	4	590	910	0.06
NB00-020	NB1.-020	20	32	45	28	2	5	880	1400	0.10
NB00-025	NB1.-025	25	40	58	40	2	6	1000	1600	0.24
NB00-030	NB1.-030	30	47	68	48	2	6	1600	2800	0.36
NB00-040	NB1.-040	40	62	80	56	3	6	2200	4100	0.77
NB00-050	NB1.-050	50	75	100	72	3	6	3900	8100	1.20
NB00-060	NB1.-060	60	90	125	95	3	6	4700	9800	2.30
NB00-080	NB1.-080	80	120	165	125	3	6	7350	16000	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	NB02-003	3	7	10	-	4	70	105	0.002
NB00-004	NB02-004	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	14100	35000	8.400
SB00-120	SB02-120	120	180	200	150	8	16400	40000	15.000
SB00-150	SB02-150	150	210	240	160	8	21100	55400	20.200

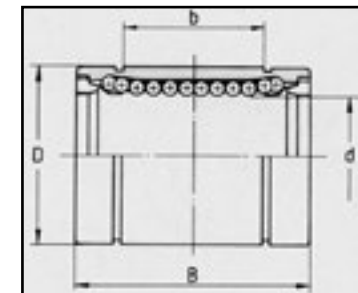
LINEAR OPEN BALL BUSHINGS



Also see
LME0 on
page 12

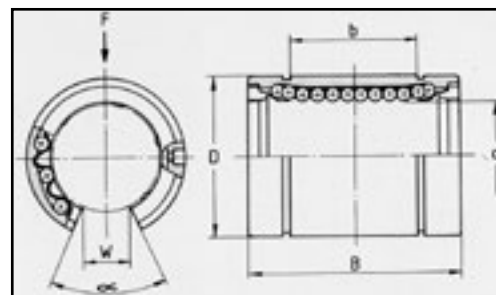
PART (no seals)	PART (2 seals)	d	D	B	b	W	a	Ball Circuits	Load C (N)	Load C ₀ (N)	Weight (kg)
NB30-012	NB32-012	12	22	32	20	7.5	78	3	530	830	0.03
NB30-016	NB32-016	16	26	36	22	10	78	3	600	940	0.05
NB30-020	NB32-020	20	32	45	28	10	60	4	960	1570	0.08
NB30-025	NB32-025	25	40	58	40	12.5	60	5	1020	1720	0.19
NB30-030	NB32-030	30	47	68	48	12.5	50	5	1640	3000	0.30
NB30-040	NB32-040	40	62	80	56	16.8	50	5	2250	4400	0.60
NB30-050	NB32-050	50	75	100	72	21	50	5	4000	8680	0.97
NB30-060	NB32-060	60	90	125	95	27.2	54	5	4810	10500	1.90
NB30-080	NB32-080	80	120	165	125	36.3	54	5	7530	17150	4.38

STAINLESS STEEL (CLOSED)



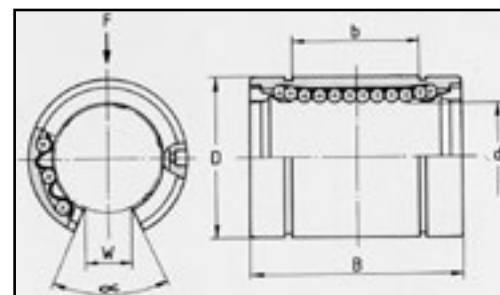
Closed Type	d	D	B	b	Ball circuits	Load C (N)	Load C ₀ (N)	Weight (kg)	Circlip Size
KB50-008	8	16	25	14	4	270	410	0.02	16x1
KB50-012	12	22	32	20	4	520	790	0.05	22x1.2
KB50-016	16	26	36	22	4	590	910	0.06	27x1.2
KB50-020	20	32	45	28	5	880	1400	0.10	33x1.5
KB50-025	25	40	58	40	6	1000	1600	0.24	42x1.75
KB50-030	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)



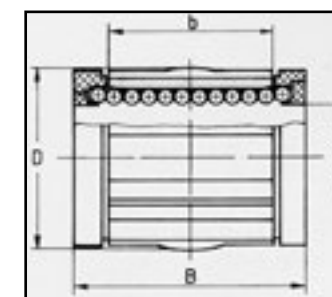
Open Type	d	D	B	b	alpha	W	Ball Circuits	Load C (N)	Load C ₀ (N)	Weight (kg)
KB53-012	12	22	32	20	78	7.5	3	530	830	0.04
KB53-016	16	26	36	22	78	10	3	600	940	0.05
KB53-020	20	32	45	28	60	10	4	960	1570	0.08
KB53-025	25	40	58	40	60	12.5	5	1020	1720	0.20
KB53-030	30	47	68	48	50	12.5	5	1640	3000	0.31
KB53-040	40	62	80	56	50	16.8	5	2250	4400	0.77
KB53-050	50	75	100	72	50	21	5	4000	8680	1.08

ECO BALL BUSHINGS (OPEN)



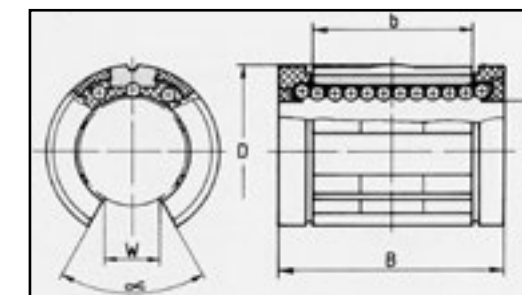
PART	d	D	B	b	W	α	Ball Circuits	Load C (N)	Load C ₀ (N)	Weight (kg)
LMEO-12UU	12	22	32	20	8	78	3	520	810	0.03
LMEO-16UU	16	26	36	22	10	78	4	630	1000	0.05
LMEO-20UU	20	32	45	28	10	60	4	940	1570	0.08
LMEO-25UU	25	40	58	40	12.5	60	5	1000	1720	0.19
LMEO-30UU	30	47	68	48	12.5	50	5	1640	2890	0.30
LMEO-40UU	40	62	80	56	16.8	50	5	2250	4290	0.60
LMEO-50UU	50	75	100	72	21	50	5	3890	8470	0.97
LMEO-60UU	60	90	125	95	27.2	54	5	4810	10510	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 Size
SK70-208	8	16	25	14.2	4	423	534	0.007	16x1
SK70-210	10	19	29	19	5	750	930	0.014	18x1.2
SK70-212	12	22	32	20	5	1020	1290	0.021	22x1.2
SK70-216	16	26	36	22	5	1250	1550	0.043	27x1.2
SK70-220	20	32	45	28	6	2090	2630	0.058	33x1.5
SK70-225	25	40	58	40	6	3780	4720	0.123	42x1.75
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

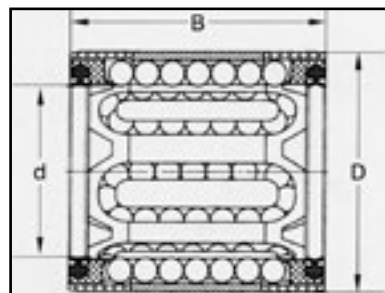
OPEN SUPER BALL BUSHINGS



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	1120	1450	0.017
SK71-216	16	26	36	22	9	68	4	1370	1740	0.035
SK71-220	20	32	45	28	9	55	5	2140	2820	0.048
SK71-225	25	40	58	40	11.5	57	5	3870	5060	0.103
SK71-230	30	47	68	48	14	57	5	5600	7300	0.161
SK71-240	40	62	80	56	19.5	56	5	6750	8850	0.295
SK71-250	50	75	100	72	22.5	50	5	11060	14470	0.520

LINEAR

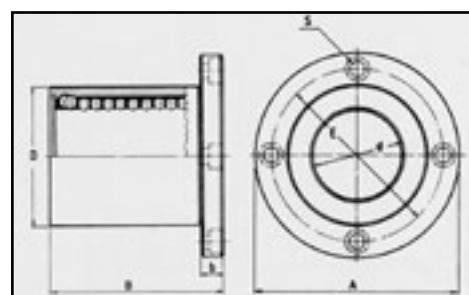
STAINLESS STEEL COMPACT



Also see KH
series on page 9

PART (Stainless Steel)	d	D	B	Ball Circuits	Load C (N)	Load C ₀ (N)	Weight (kg)
LBBRn206	6	12	22	4	400	240	0.007
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

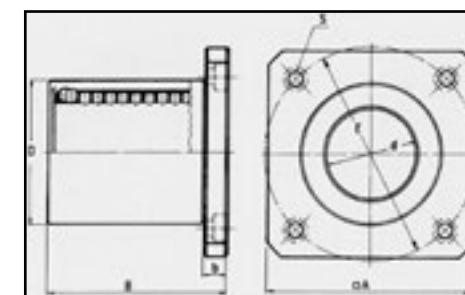
ROUND FLANGED BALL BUSHINGS



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

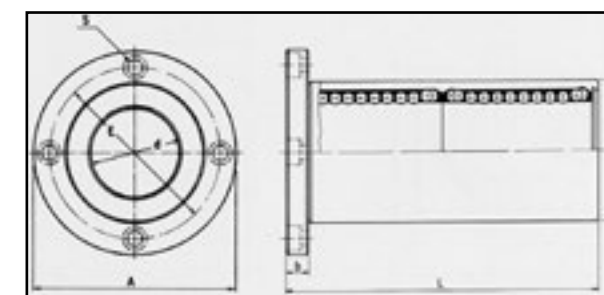
LINEAR

SQUARE FLANGED BALL BUSHINGS



PART (2 seals)	d	D	L	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	510	780	0.07
LMEK16UU	16	26	36	6	35	36	M4	580	890	0.09
LMEK20UU	20	32	45	8	42	43	M5	860	1400	0.15
LMEK25UU	25	40	58	8	50	51	M5	980	1600	0.30
LMEK30UU	30	47	68	10	60	62	M6	1600	2700	0.46
LMEK40UU	40	62	80	13	75	80	M8	2200	4000	0.99

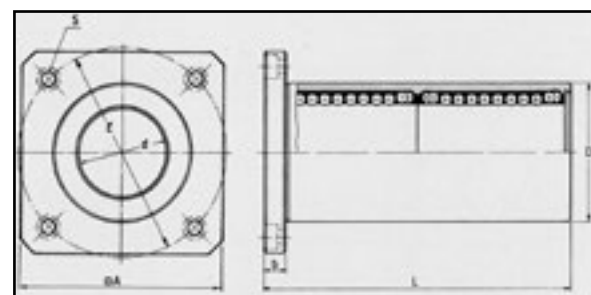
TANDEM ROUND FLANGED BALL BUSHINGS



PART NO (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	430	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	940	1820	0.17
FK92-320	20	32	80	8	54	43	M5	1400	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

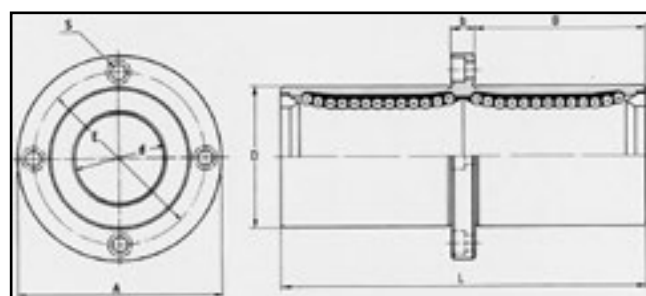
LINEAR

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	810	1570	0.08
LMTK16UU	16	26	68	6	35	36	M4	920	1780	0.16
LMTK20UU	20	32	80	8	42	43	M5	1370	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

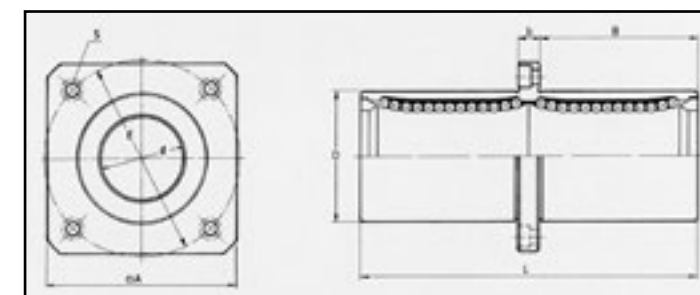
TANDEM ROUND MID-FLANGED BEARINGS



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	46	36	M4	940	1820	0.10
TF00-020	TF02-320	20	32	80	8	36	54	43	M5	1400	2800	0.26
TF00-025	TF02-325	25	40	112	8	52	62	51	M5	1600	3200	0.54
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

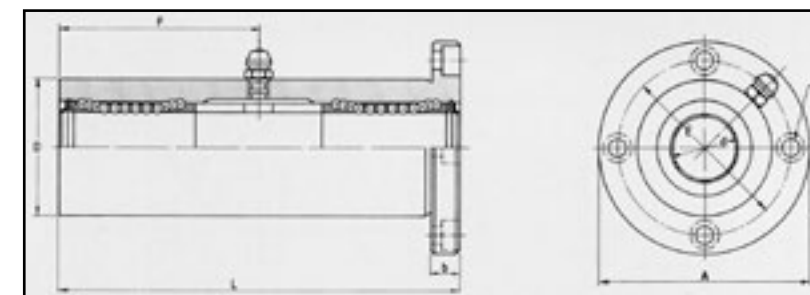
LINEAR

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	46	5	20.5	25	24	M3	430	780	0.05
LMEM12UU	12	22	61	6	27.5	32	32	M4	810	1570	0.08
LMEM16UU	16	26	68	6	31	35	36	M4	920	1780	0.16
LMEM20UU	20	32	80	8	36	42	43	M5	1370	2750	0.23
LMEM25UU	25	40	112	8	52	50	51	M5	1560	3140	0.48
LMEM30UU	30	47	123	10	56.5	60	62	M6	2490	5490	0.57
LMEM40UU	40	62	151	13	69	75	80	M8	3430	8040	1.38

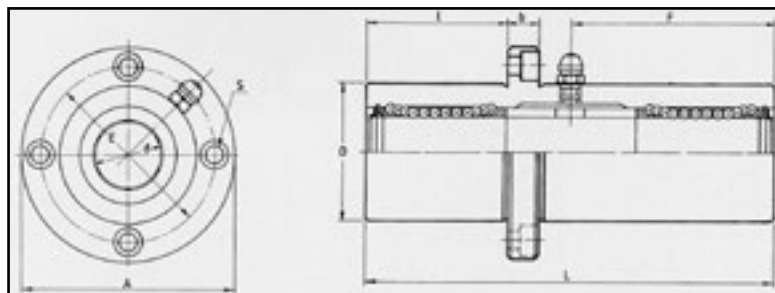
TRIPLE ROUND FLANGED BEARINGS



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

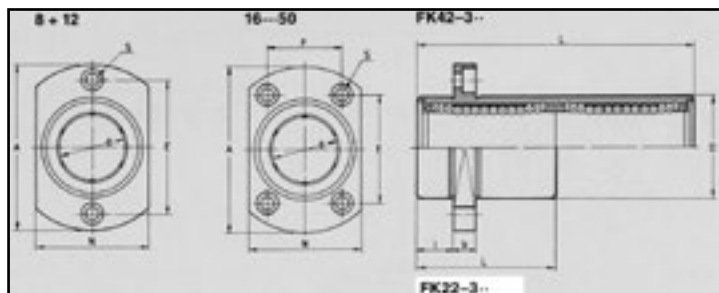
LINEAR

TRIPLE ROUND MID-FLANGED BEARINGS



PART (2 seals)	d	D	L	b	I	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

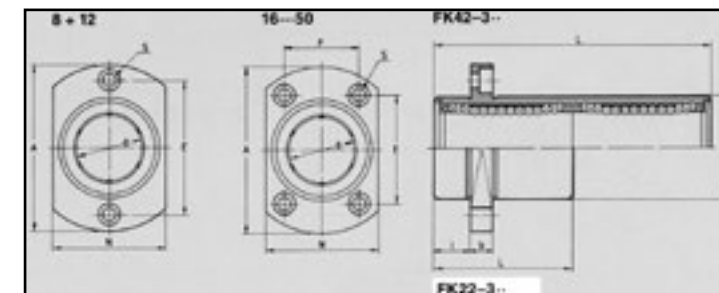
REVERSE FLANGED BALL BUSHINGS



PART (2 seals)	d	D	L	b	I	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
FK22-310	10	19	29	6	6	40	25	29		M4	372	549	0.06
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

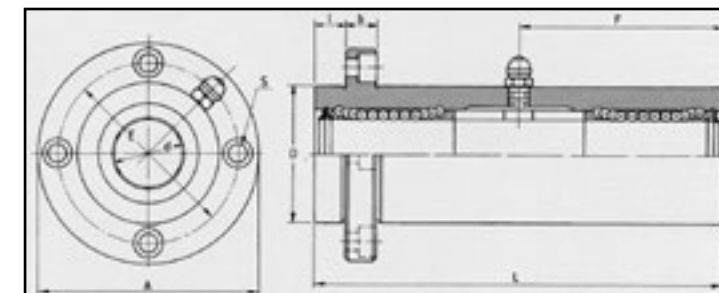
LINEAR

TANDEM REVERSE FLANGED BEARINGS



PART (2 seals)	d	D	L	b	I	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
FK42-310	10	19	55	6	6	40	25	29		M4	588	1100	0.09
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	I	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

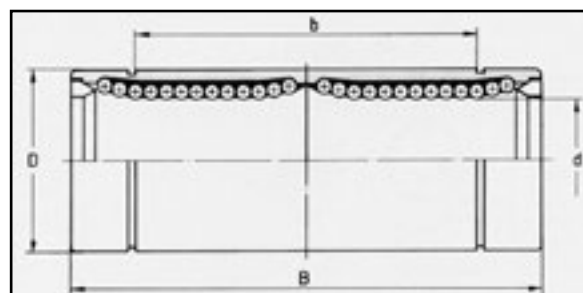


LINEAR COMBINED LINEAR & RADIAL BALL BUSHINGS

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

PART (Brass cage)	PART (Steel cage)	d	D	B	b	A	f	E	S	Load C (N)	Load C ₀ (N)	Max RPM	Weight (kg)	Circlip Size
0662-006		6	10	19						75	100	1000	0.008	
	RK.0-006	6	12	19	11	22	5	20	3.5	78	176	300	0.010	12x1
0662-008		8	14	23						140	210	750	0.014	
	RK.0-008	8	15	24	15	25	5	24	3.5	137	314	300	0.015	15x1
0662-012		12	19	31						340	540	500	0.031	
	RK.0-012	12	21	30	20	32	6	32	4.5	274	588	300	0.040	21x1.2
0662-016		16	25	35						565	890	375	0.060	
	RK.0-016	16	28	37	23	37	6	38	4.5	451	882	250	0.065	28x1.5
0662-020		20	30	42						690	1090	300	0.100	
	RK.0-020	20	32	42	27	42	8	43	5.5	647	1180	250	0.110	33x1.5
0662-025		25	37	54						880	1320	240	0.200	
	RK.0-025	25	40	59	37	50	8	51	5.5	882	1860	250	0.210	42x1.75
0662-030		30	42	64						1200	1840	200	0.270	
	RK.0-030	30	45	64	40.5	58	10	60	6.6	1180	2650	200	0.290	46x1.75
0622-040		40	55	78						2040	3200	150	0.565	

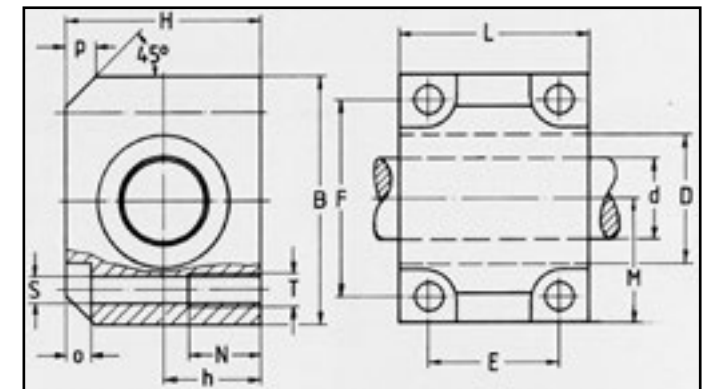
TANDEM BALL BUSHINGS



PART (no seals)	PART (2 seals)	d	D	B	b	Ball Circuits	Load C (N)	Load C ₀ (N)	Weight (kg)	Circlip Size
TK00-008	TK02-308	8	16	46	30.5	4	430	820	0.04	16x1
TK00-012	TK02-312	12	22	61	43	4	830	1580	0.08	22x1.2
TK00-016	TK02-316	16	26	68	47	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	6	1600	3200	0.43	42x1.75
TK00-030	TK02-330	30	47	123	100	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

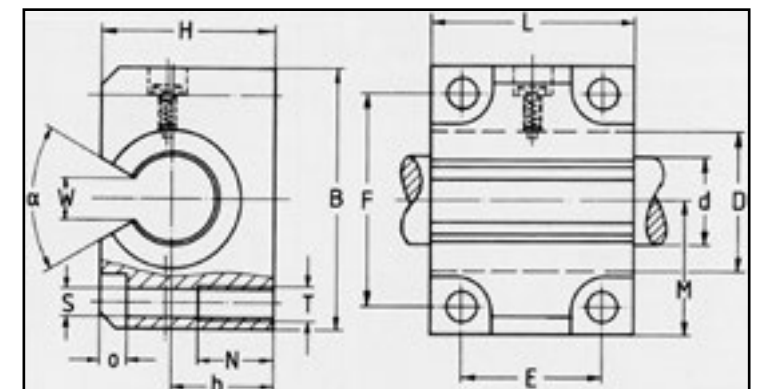
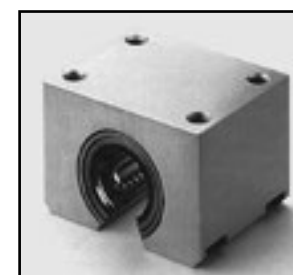
LINEAR - HOUSINGS

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	510	780	0.14
AE35-216	16	52	42	22	43	26	26	40	26	5.3	M6	13	5	6	580	890	0.20
AE35-220	20	60	50	25	54	32	32	45	30	6.6	M8	18	6	7	860	1400	0.38
AE35-225	25	76	60	30	67	40	40	60	38	8.4	M10	22	8	9	980	1600	0.73
AE35-230	30	86	70	35	79	47	45	68	43	8.4	M10	22	8	10	1600	2700	1.12
AE35-240	40	108	90	45	91	62	58	86	54	10.5	M12	26	10	12	2200	4000	2.30
AE35-250	50	130	105	50	113	75	50	108	65	13.5	M16	34	12	13	3800	7900	3.80

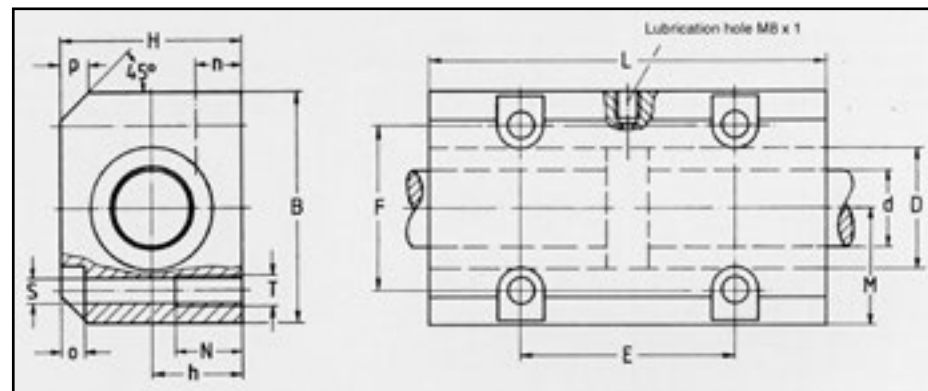
STANDARD ALUMINIUM HOUSINGS (OPEN)



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	520	810	0.10
AE37-216	16	52	35	22	43	26	26	40	26	5.3	M6	13	5	10	78	630	1000	0.17
AE37-220	20	60	42	25	54	32	32	45	30	6.6	M8	18	6	10	60	940	1570	0.28
AE37-225	25	76	51	30	67	40	40	60	38	8.4	M10	22	8	12.5	60	1000	1720	0.60
AE37-230	30	86	60	35	79	47	45	68	43	8.4	M10	22	8	12.5	50	1640	2890	0.90
AE37-240	40	108	77	45	91	62	58	86	54	10.5	M12	26	10	16.8	50	2250	4290	1.70
AE37-250	50	130	88	50	113	75	50	108	65	13.5	M16	34	12	21	50	3890	8470	2.80

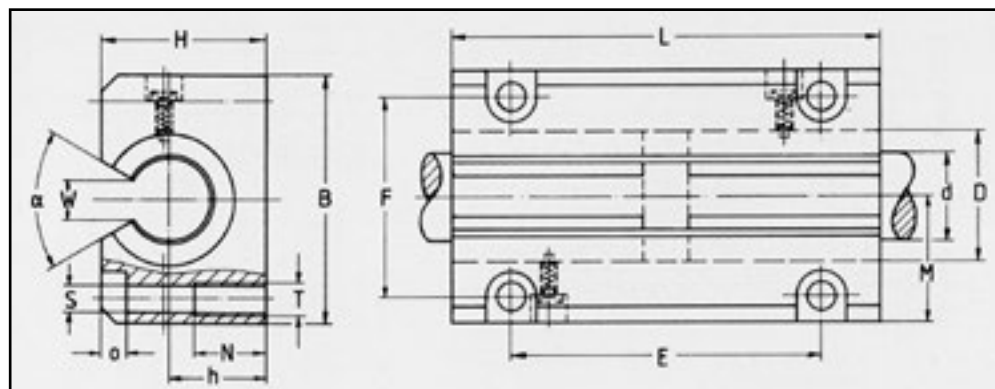
LINEAR - HOUSINGS

TANDEM ALUMINIUM HOUSINGS (CLOSED)



PART	d	B	H	h	L	D	E	F	M	S	T	N	n	o	p	Load C (N)	Load C ₀ (N)	Weight (kg)
TE85-212	12	42	35	18	76	22	40	30	21	5.3	M6	13	10	4	5	820	1560	0.32
TE85-216	16	52	42	22	84	26	45	36	26	5.3	M6	13	12	5	6	930	1780	0.48
TE85-220	20	60	50	25	104	32	55	45	30	6.6	M8	18	13	6	7	1380	2800	0.84
TE85-225	25	76	60	30	130	40	70	54	38	8.4	M10	22	15	8	9	1570	3200	1.62
TE85-230	30	86	70	35	152	47	85	62	43	10.5	M12	26	16	8	10	2560	5400	2.46
TE85-240	40	108	90	45	176	62	100	80	54	13.5	M16	34	20	10	12	3520	8000	4.79
TE85-250	50	130	105	50	224	75	125	100	65	13.5	M16	34	20	12	13	6080	15800	8.06

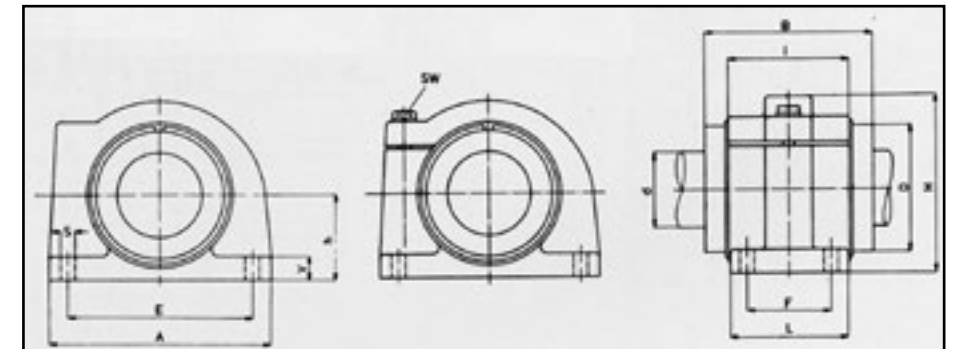
TANDEM ALUMINIUM HOUSINGS (OPEN)



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)
TE33-212	12	42	28	18	76	22	56	32	21	4.3	M5	11	4	7.5	78	830	1620	0.26
TE33-216	16	52	35	22	84	26	64	40	26	5.3	M6	13	5	10	78	1010	2000	0.38
TE33-220	20	60	42	25	104	32	76	45	30	6.6	M8	18	6	10	60	1510	3140	0.67
TE33-225	25	76	51	30	130	40	94	60	38	8.4	M10	22	8	12.5	60	1600	3400	1.31
TE33-230	30	86	60	35	152	47	106	68	43	8.4	M10	22	8	12.5	50	2620	5780	2.01
TE33-240	40	108	77	45	176	62	124	86	54	10.5	M12	26	10	16.8	50	3600	8580	3.93
TE33-250	50	130	88	50	224	75	160	108	65	13.5	M16	34	12	21	50	6220	21020	6.20

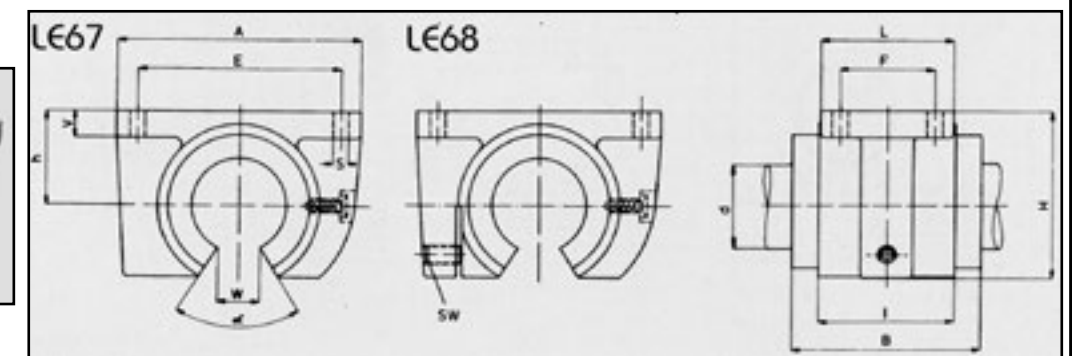
LINEAR - HOUSINGS

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-.08	LE66-.08	8	16	15	28	25	32	28	14	25	20	3.4	5	5.5	0.09
LE65-.12	LE66-.12	12	22	18	35	32	42	32	20	32	23	4.5	5.5	7	0.16
LE65-.16	LE66-.16	16	26	22	42	36	50	35	22	40	26	4.5	6.5	7	0.24
LE65-.20	LE66-.20	20	32	25	50	45	60	42	28	45	32	4.5	8	7	0.43
LE65-.25	LE66-.25	25	40	30	60	58	74	54	40	60	40	5.5	9	8	0.86
LE65-.30	LE66-.30	30	47	35	70	68	84	60	48	68	45	6.6	10	10	1.34
LE65-.40	LE66-.40	40	62	45	90	80	108	78	56	86	58	9	12	13	2.67
LE65-.50	LE66-.50	50	75	50	105	100	130	70	72	108	50	9	14	13	3.74
LE65-.60	LE66-.60	60	90	60	125	125	160	92	95	132	65	11	15	17	6.77
LE65-.80	LE66-.80	80	120	80	170	165	200	122	125	170	90	13	22	19	15.50

STANDARD CAST IRON HOUSINGS (OPEN)

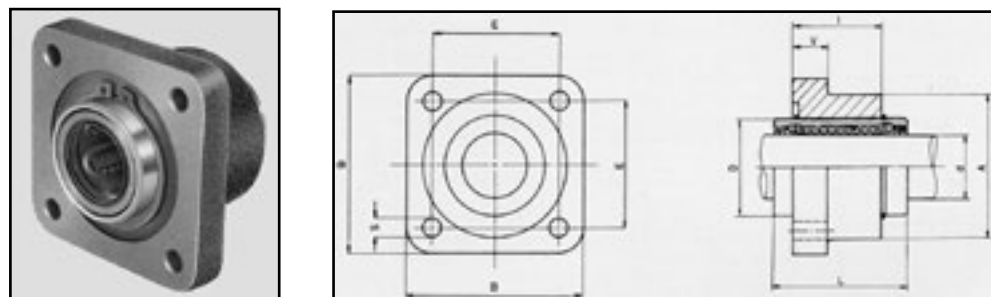


PART (Open)	PART (Adjustable)	d	h	H	B	A	L	I	E	F	S	V	SW	W	α	Weight (kg)
LE67-.12	LE68-.12	12	18	28	32	42	32	20	32	23	4.5	5.5	2.5	7.5	78	0.13
LE67-.16	LE68-.16	16	22	35	36	50	35	22	40	26	4.5	6.5	2.5	10	78	0.21
LE67-.20	LE68-.20	20	25	42	45	60	42	28	45	32	4.5	8	2.5	10	60	0.36
LE67-.25	LE68-.25	25	30	51	58	74	54	40	60	40	5.5	9	3	12.5	60	0.73
LE67-.30	LE68-.30	30	35	60	68	84	60	48	68	45	6.6	10	3	12.5	50	1.18
LE67-.40	LE68-.40	40	45	77	80	108	78	56	86	58	9	12	4	16.8	50	2.30
LE67-.50	LE68-.50	50	50	88	100	130	70	72	108	50	9	14	5	21	50	3.10
LE67-.60	LE68-.60	60	60	105	125	160	92	95	132	65	11	15	5	27.2	54	5.78
LE67-.80	LE68-.80	80	80	140	165	200	122	125	170	90	13	22	6	36.3	54	12.80

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

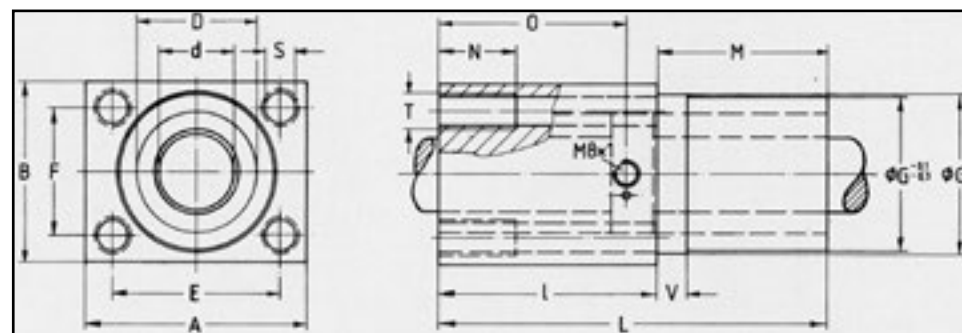
LINEAR - HOUSINGS

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

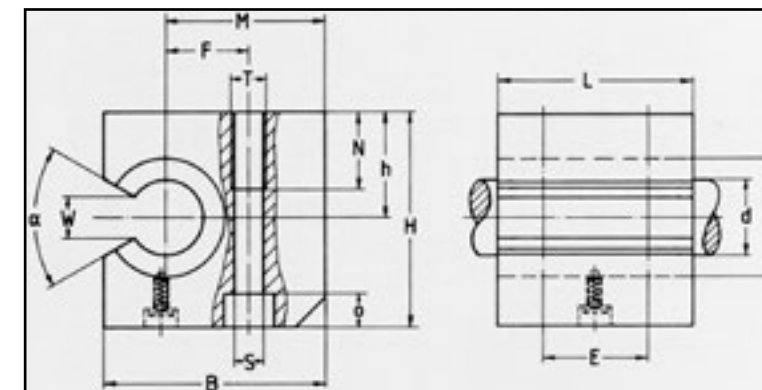
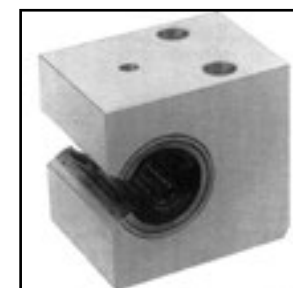
TANDEM FLANGED ALUMINIUM HOUSINGS



PART	d	D	G*	A	B	L	E	F	S*	T	I	M	N	O	V	Load C (N)	Load C ₀ (N)	Weight (kg)
TF83-212	12	22	30	42	34	76	32	24	5.3	M6	46	30	13	35	10	820	1560	0.22
TF83-216	16	26	35	50	40	84	38	28	6.6	M8	50	34	18	40	10	930	1780	0.33
TF83-220	20	32	42	60	50	104	45	35	8.4	M10	60	44	22	50	10	1380	2800	0.58
TF83-225	25	40	52	74	60	130	56	42	10.5	M12	73	57	26	63	10	1570	3200	1.15
TF83-230	30	47	61	84	70	152	64	50	13.5	M16	82	70	34	74	20	2560	5400	1.70

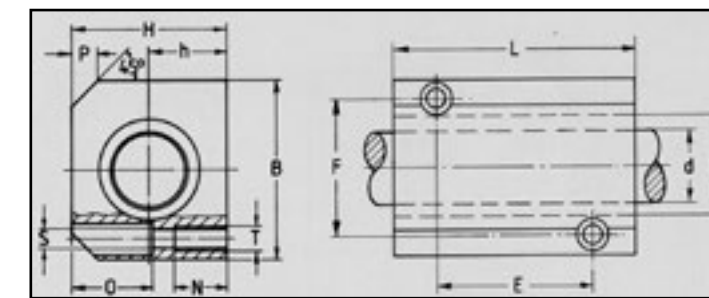
LINEAR - HOUSINGS

OPEN SIDED ALUMINIUM HOUSINGS



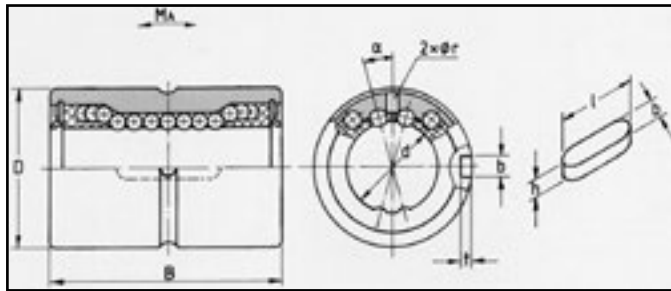
PART	d	B	H	h	L	D	E	F	M	S	T	N	o	W	α	Load ⁺ C (N)	Load ⁺ C ₀ (N)	Weight (kg)
LE71-220	20	60	60	30	54	32	30	22	43	8.4	M10	22	9	17	60	880	1400	0.40
LE71-225	25	75	72	35	67	40	36	28	54	10.5	M12	26	11	21	60	1000	1600	0.75
LE71-230	30	86	82	40	79	47	42	34	61	13.5	M16	34	13	21	50	1600	2800	1.15
LE71-240	40	110	100	45	91	62	48	43	78	16.0	M20	43	14	27	50	2200	4100	2.00
LE71-250	50	127	115	50	113	75	62	50	89	17.5	M20	43	17	33	50	3900	8100	3.50

COMPACT ALUMINIUM HOUSINGS



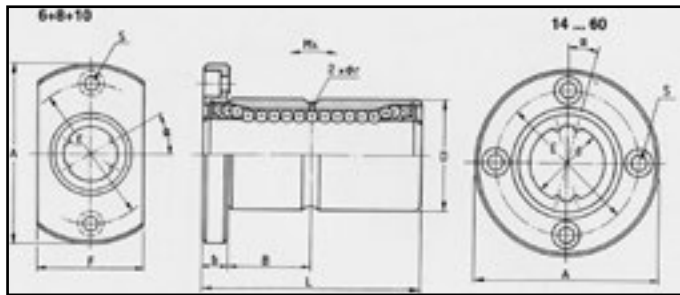
PART	PART (Tandem)	d	B	H	h	L	D	E	F	S	T	N	O	P	Load C (N)	Load C ₀ (N)	Weight (kg)
AG27-212		12	40	33	17	28	19		29	4.3	M5	11	17	5	480	385	0.08
	AG85-212	12	40	33	17	60	19	35	29	4.3	M5	11	17	5	770	770	0.17
AG27-216		16	45	38	19	30	24		34	4.3	M5	11	20	6	925	625	0.11
	AG85-216	16	45	38	19	65	24	40	34	4.3	M5	11	20	6	1480	1250	0.23
AG27-220		20	53	45	23	30	28		40	5.3	M6	13	23	7	1165	790	0.15
	AG85-220	20	53	45	23	65	28	45	40	5.3	M6	13	23	7	1870	1580	0.32
AG27-225		25	62	54	27	40	35		48	6.6	M8	18	28	9	2100	1370	0.27
	AG85-225	25	62	54	27	85	35	55	48	6.6	M8	18	28	9	3360	2740	0.56
AG27-230		30	67	60	30	50	40		53	6.6	M8	18	31	10	2870	2100	0.40
	AG85-230	30	67	60	30	105	40	70	53	6.6	M8	18	31	10	4590	4200	0.82
AG27-240		40	87	76	39	60	52		69	8.4	M10	22	38	12	5200	4100	0.75
	AG85-240	40	87	76	39	125	52	85	69	8.4	M10	22	38	12	8320	8200	1.58
AG27-250		50	103	92	47	70	62		82	10.5	M12	26	46	18	6620	5600	1.20

LINEAR - SPECIAL BALL BUSHINGS
TORQUE RESISTANT BALL BUSHINGS



										Torque		Load		Moment		Weight (kg)
PART	h7 d	D	B	H8 b	t	h	l	r	α	C _t (Nm)	C _{0t} (Nm)	C (N)	C ₀ (N)	M _A (Nm)	M _B (Nm)	
SSP4-304	4	10	16	2.0	1.2	2.0	6	-	60	0.7	1.0	860	1220	2.0	10	0.01
SSP4-306	6	14	25	2.5	1.2	2.5	10.5	1	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	3.0	1.5	3.0	13	1.5	60	4.4	8.2	2730	5070	18.0	116	0.05
SSP4-314	13	24	36	3.0	1.5	3.0	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	2.0	25	60	110	6150	11200	46	299	0.15
SSP4-320	18.2	32	60	4.0	2.5	4.0	26	2.0	16	85	136	8000	11500	64	500	0.20
SSP4-325	23	37	70	5.0	3.0	5.0	33	3.0	16	165	244	12600	16400	106	830	0.22
SSP4-330	28	45	80	7.0	4.0	7.0	41	3.0	16	295	420	19000	23700	185	1470	0.35
SSP4-340	37.4	60	100	10	4.5	8.0	55	4.0	16	650	900	31400	38300	365	2940	0.81
SSP4-350	47	75	112	15	5.0	10	60	4.0	16	1420	3240	47000	75700	710	4400	1.50
SSP4-360	56.5	90	127	18	6.0	11	68	4.0	16	2100	4800	58000	127000	1300	8800	2.50

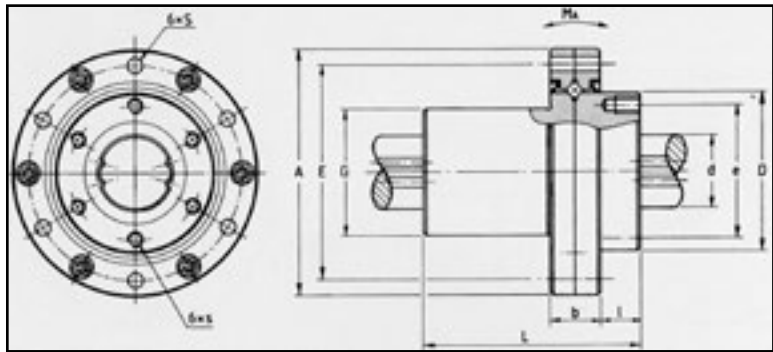
TORQUE RESISTANT FLANGED BALL BUSH



												Torque		Load		Moment		Weight (kg)
PART	h7 d	D	L	b	A	B	E	F	r	S	α	C _t (Nm)	C _{0t} (Nm)	C (kN)	C ₀ (kN)	M _A (Nm)	M _B (Nm)	
SPF4-306	6	14	25	5	30	7.5	22	18	1.0	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	-	2.0	M4	25	60	110	6.15	11.20	46	299	0.20
SPF4-320	18.2	32	60	7	51	23	40	-	2.0	M4	16	85	136	8.00	11.50	64	500	0.22
SPF4-325	23	37	70	9	60	26	47	-	3.0	M5	16	165	244	12.6	16.40	106	830	0.32
SPF4-330	28	45	80	10	70	30	54	-	3.0	M6	16	295	420	19.0	23.7	185	1470	0.51
SPF4-340	37.4	60	100	14	90	36	72	-	4.0	M8	16	650	900	31.4	38.3	365	2940	1.15
SPF4-350	47	75	112	16	113	40	91	-	4.0	M10	16	1420	3240	47.0	75.7	710	4400	2.10
SPF4-360	56.5	90	127	18	129	45.5	107	-	4.0	M10	16	2100	4800	58.0	127.0	1300	8800	3.30

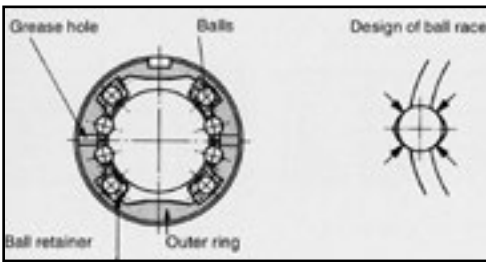
Other sizes available - see website

LINEAR - SPECIAL BALL BUSHINGS
TORQUE RESISTING LINEAR-RADIAL BUSH



												Torque		Slide Bush Load			Radial Brg Load		
PART	d	D	L	A	b	E	S	G	I	e	S	C _T (Nm)	C _{0T} (Nm)	C (kN)	C ₀ (N)	M _A (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	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	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	9.0	75	24	77	M8X13	1390	3180	46.1	74.2	696	27.2	42.1	570
SPR1-360	56.5	102	127	150	25	132	9.0	90	25	90	M8X13	2100	4800	58	127.4	1300	30	48.2	500

SPLINE SHAFT FOR SSP, SPF & SPR



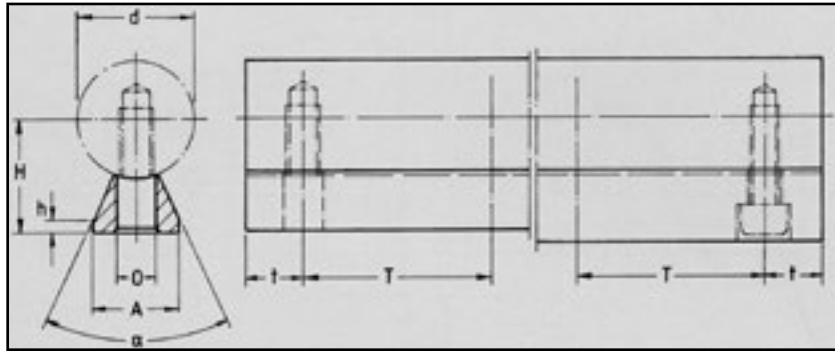
PART	d (h7)	Max length (mm)	Standard Straightness (μm/m)	Precision Straightness (μm/m)	No Preload (μm)		Light Preload T1 (μm)		Medium Preload T2 (μm)	
SP04S	4	300	160	110	-2	1	-6	-2	N/A	N/A
SP06S	6	400	160	110	-2	1	-6	-2	N/A	N/A
SP08S	8	500	160	110	-2	1	-6	-2	N/A	N/A
SP10S	10	630	100	65	-3	1	-9	-3	N/A	N/A
SP14S	13	1500	75	50	-3	1	-9	-3	-13	-7
SP16S	16	1500	75	50	-3	1	-9	-3	-13	-7
SP20S	18.2	2000	170	120	-4	2	-12	-4	-20	-12
SP25S	23	2000	170	120	-4	2	-12	-4	-20	-12
SP30S	28	2000	170	120	-4	2	-12	-4	-20	-12
SP40S	37.4	2000	120	80	-6	3	-18	-6	-30	-18
SP50S	47	2000	120	80	-6	3	-18	-6	-30	-18
SP60S	56.5	2000	90	60	-6	3	-18	-6	-30	-18

Other sizes available - see website

LINEAR - SHAFTS & SUPPORTS

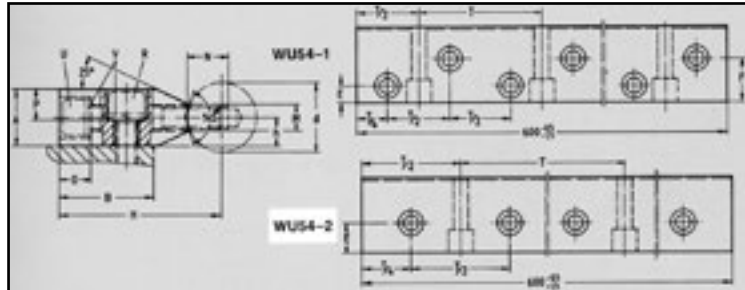
PROFILED STEEL SHAFTS

USE WITH OPEN TYPE
BEARINGS & HOUSINGS



Aluminium	Steel	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 / -
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

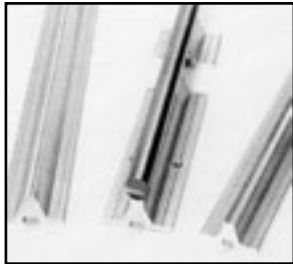
SUPPORT RAILS (FOR OPEN SIDED HOUSINGS LE71- see page 25)



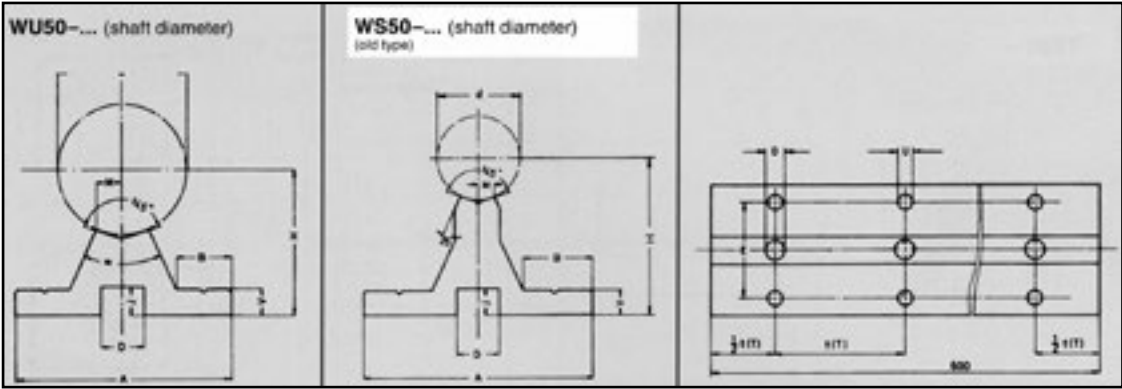
PART		d	h	H	A	M	E	F	T	O	P	B	N	R	U	V
	WU54-220	20	7.5	52	15	8.3	15		100	8.5	8.5	30	11	M6X16	M6X45	6
WU54-120		20	7.5	52	15	8.3	8	22	75	8.5	8.5	30	11	M6X16	M6X45	6
	WU54-225	25	10	62	20	10.8	18		120	14.0	11	36	15	M8X20	M8X50	8
WU54-125		25	10	62	20	10.8	10	26	75	14.0	11	36	15	M8X20	M8X50	8
	WU54-230	30	12.5	72	25	11	21		150	14.5	13.5	42	17	M10X25	M10X60	10
WU54-130		30	12.5	72	25	11	12	30	100	14.5	13.5	42	17	M10X25	M10X60	10
	WU54-240	40	15	88	30	15	25		200	17.5	16	50	21	M12X30	M10X70	12 & 10
WU54-140		40	15	88	30	15	12	38	100	17.0	16	50	21	M12X30	M12X70	12
	WU54-250	50	17.5	105	35	19	30		200	21.5	19	60	25	M14X35	M12X80	14 & 12
WU54-150		50	17.5	105	35	19	15	45	100	21.0	19	60	25	M14X35	M14X80	14

LINEAR - SHAFTS & SUPPORTS

ALUMINIUM SHAFT SUPPORT RAILS



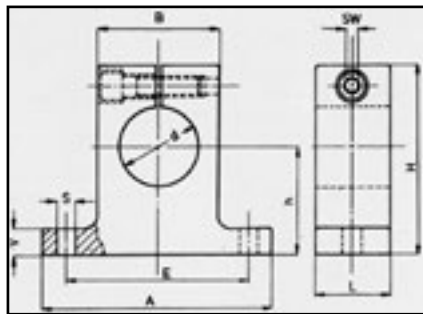
These aluminium support rails can
be supplied alone or with hardened
& ground shafts fitted.
The hole spacing in the rail can be
either t1 or T2. See table below.



PART	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	-

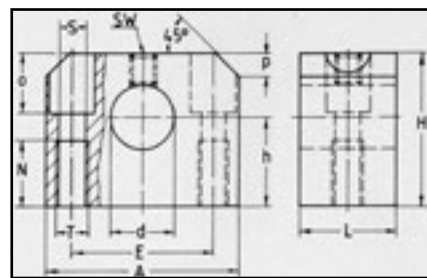
LINEAR - SHAFTS & SUPPORTS

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	9.0 / 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

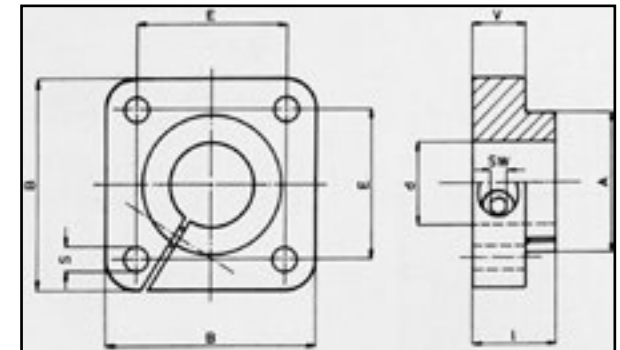


See website for
Stainless Steel version

PART	d	h	H	A	L	E	S	T	N	o	p	SW
WB57-012	12	20	35	42	20	30	5.3	M6	13	16	5	3
WB58-012	12	19	33	40	18	27	5.3	M6	13	15	5	3
WB57-016	16	25	42	52	24	38	6.6	M8	18	17	6	3
WB58-016	16	22	38	45	20	32	5.3	M6	13	17	6	3
WB57-020	20	30	50	60	30	42	8.4	M10	22	21	7	4
WB58-020	20	25	45	53	24	39	6.6	M8	18	21	7	4
WB57-025	25	35	60	76	38	56	10.5	M12	26	25	9	5
WB58-025	25	31	54	62	28	44	8.4	M10	22	24	9	5
WB57-030	30	40	70	86	40	64	10.5	M12	26	28	10	5
WB58-030	30	34	60	67	30	49	8.4	M10	22	27	10	5
WB57-040	40	50	90	108	48	82	13.5	M16	34	34	12	6
WB58-040	40	42	76	87	40	66	10.5	M12	26	35	12	6
WB57-050	50	60	105	130	58	100	17.5	M20	43	40	13	6
WB58-050	50	50	92	103	50	80	13.5	M16	34	43	13	6

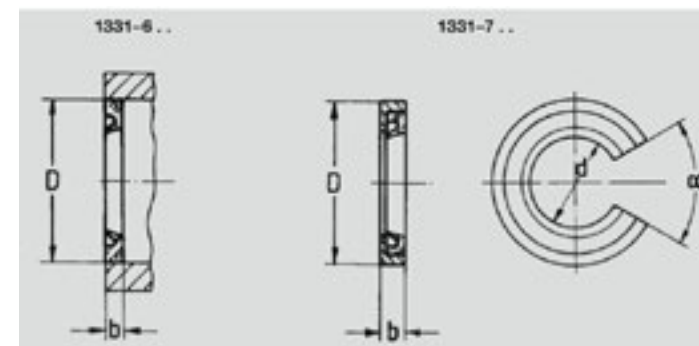
LINEAR - SHAFTS & SUPPORTS

FLANGED SUPPORT BLOCKS



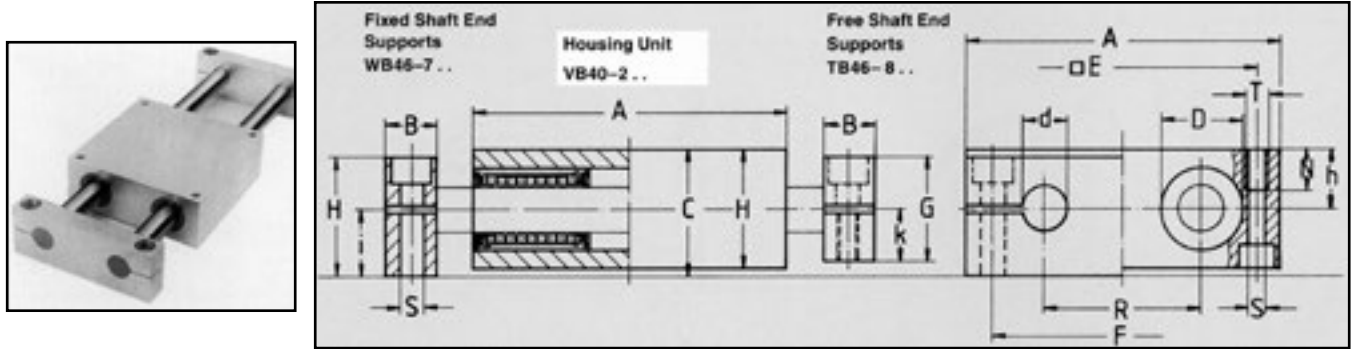
PART	d	B	I	A	E	S	V	SW
FH56-012	12	42	20	23	30	5.5	12	4
FH56-016	16	50	20	27	35	5.5	12	4
FH56-020	20	54	23	33	38	6.6	14	5
FH56-025	25	60	25	42	42	6.6	16	5
FH56-030	30	76	30	49	54	9	19	6
FH56-040	40	96	40	65	68	11	26	8
FH56-050	50	106	50	75	75	11	36	8

SEALS



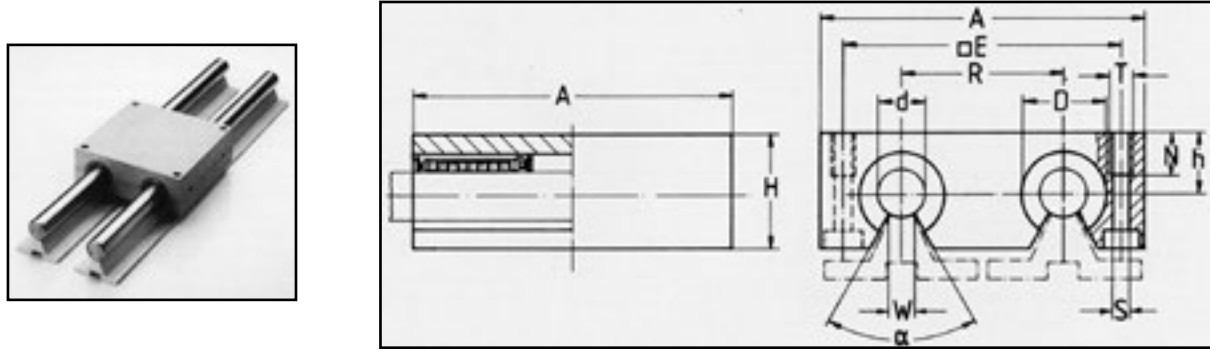
PART		d	D	b	α
CLOSED	OPEN				
1331-612		12	22	3	
	1331-712	12	22	3	66
1331-616		16	26	3	
	1331-716	16	26	3	68
1331-620		20	32	4	
	1331-720	20	32	4	55
1331-625		25	40	4	
	1331-725	25	40	4	57
1331-630		30	47	5	
	1331-730	30	47	5	57
1331-640		40	62	5	
	1331-740	40	62	5	56
1331-650		50	75	6	
	1331-750	50	75	6	54

LINEAR - ASSEMBLIES
HOUSING UNITS & END SUPPORTS



SHAFT SUPPORTS		HOUSING	d	A	H	h	C	D	E	R	i	B	S	T	N	k	F	G	Load C (N)	Load C ₀ (N)
Fixed End	Free End																			
		VB40-208	8	65	23	15.5	24	16	55	32			4.3	M5	11				860	1640
WB46-708	TB46-808		8	65	23					32	12.5	12	5.5	M5		11	52	22		
		VB40-212	12	85	32	16	34	22	73	42			5.3	M6	13				1630	3120
WB46-712	TB46-812		12	85	32					42	18	14	6.6	M6		14	70	28		
		VB40-216	16	100	36	18	38	26	88	54			5.3	M6	13				1890	3560
WB46-716	TB46-816		16	100	36					54	20	18	9	M8		16	82	32		
		VB40-220	20	130	46	23	48	32	115	72			6.4	M8	18				2750	5600
WB46-720	TB46-820		20	130	46					72	25	20	11	M10		21	108	42		
		VB40-225	25	160	56	28	58	40	140	88			8.4	M10	22				3140	6400
WB46-725	TB46-825		25	160	56					88	30	25	13.5	M12		26	132	52		
		VB40-230	30	180	64	32	67	47	158	96			10.5	M12	26				5120	10800
WB46-730	TB46-830		30	180	64					96	35	25	13.5	M12		29	150	58		
		VB40-240	40	230	80	40	84	62	202	122			13.5	M16	34				7040	16000
WB46-740	TB46-840		40	230	80					122	44	30	17.5	M16		36	190	72		
		VB40-250	50	280	96	48	100	75	250	152			13.5	M16	34				12160	31600
WB46-750	TB46-850		50	280	96					152	52	30	17.5	M16		44	240	88		

LINEAR - ASSEMBLIES
OPEN TYPE HOUSING UNITS



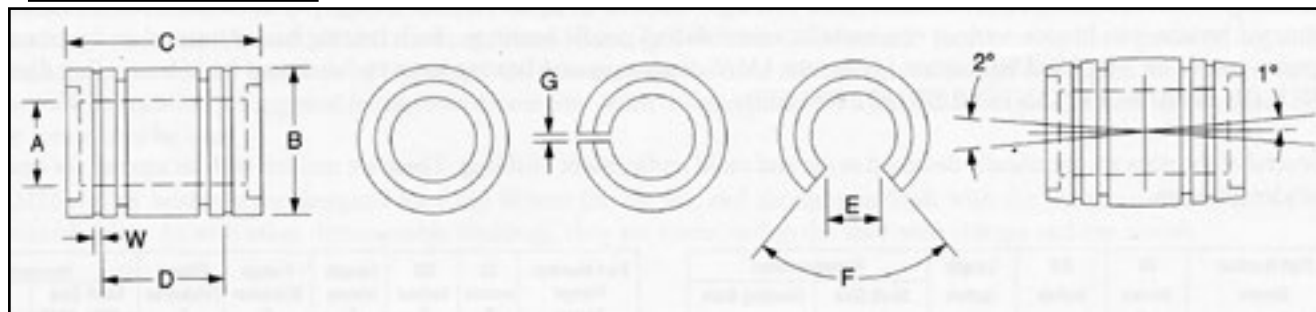
PART	d	A	H	h	D	E	R	S	T	N	W	α	Load C (N)	Load C ₀ (N)
VB45-212	12	85	30	18	22	73	42	5.3	M6	13	7.5	78	1660	3240
VB45-216	16	100	35	22	26	88	54	5.3	M6	13	10	78	2020	4000
VB45-220	20	130	42	25	32	115	72	6.4	M8	18	10	60	3010	6280
VB45-225	25	160	51	30	40	140	88	8.4	M10	22	12.5	60	3200	6880
VB45-230	30	180	60	35	47	158	96	10.5	M12	26	12.5	50	5250	11400
VB45-240	40	230	77	45	62	202	122	13.5	M16	34	16.8	50	7200	17160
VB45-250	50	280	93	55	75	250	152	13.5	M16	34	21	50	12450	33900

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 (add prefix L, LX or LA)	Working Bore				Circlip		LX		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 (add prefix L, LX or LA)	Working Bore				Circlip		LX		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



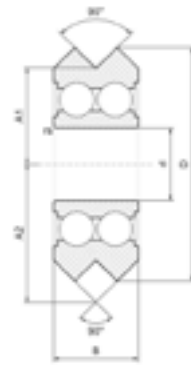
****Dimensions in Inches****

	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 W1X = 2 rubber seals



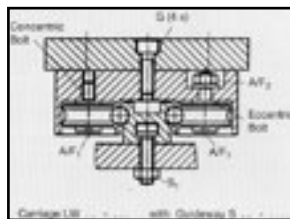
See page 46 for rail

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

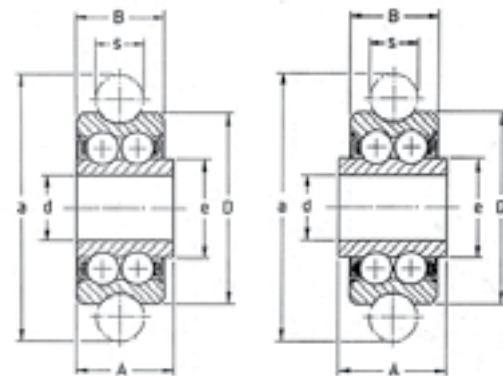
See page 37 for carriages and spigots



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

LR25, LR36, LR52 and LR64

LR27 and LR80

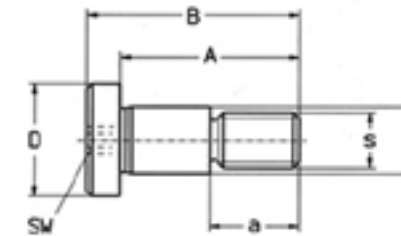


PART	d	D	B	A	a	s	e	C (N)	C ₀ (N)
LR25-_05	5	17	7	8.5	25	5	6.9	1200	800
LR27-_05	5	17	7	8	27	6		1270	890
LR36-_08	8	24	11	12.5	37	8	11.5	3300	2100
LR52-_12	12	35	15.9	15.9	51.3	10		8600	5150
LR64-_15	15	47	19	19	63.3	10		14000	7700
LR80-_20	20	52	20.6	22.6	79	16	27	15600	9100

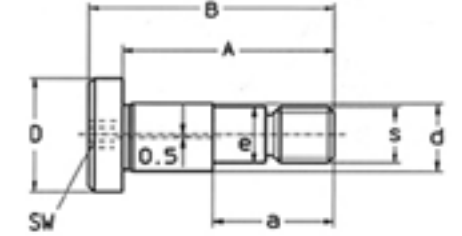
LINEAR - TRACK GUIDANCE

TRACK GUIDANCE SYSTEMS - SPIGOTS

Concentric Spigot G... and B...



Eccentric Spigot E...

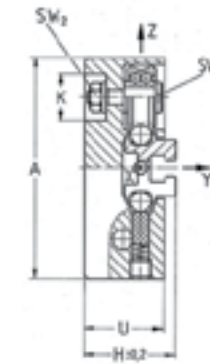


PART	d	D	B	A	a	s	SW
G25-_M24	5	9	20	17.5	4.5	M4	3
G36-_M26	8	12	29	26.5	8.5	M6	4
G52-_M10	12	20	42	36	14	M10	6
G64-_M10	15	20	50	44	19.6	M10	6
B25-_M04	5	9	17	14.5	7	M4	3
B36-_M06	8	12	24.5	22	10.5	M6	4
B54-_M10	12	20	38	32	15.5	M10	6
E25-_M04	5	9	19	16.5	9	M4X5	3
E36-_M06	8	12	29	26.5	15	M6X8	4
E54-_M10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

TRACK GUIDANCE SYSTEMS - CARRIAGES



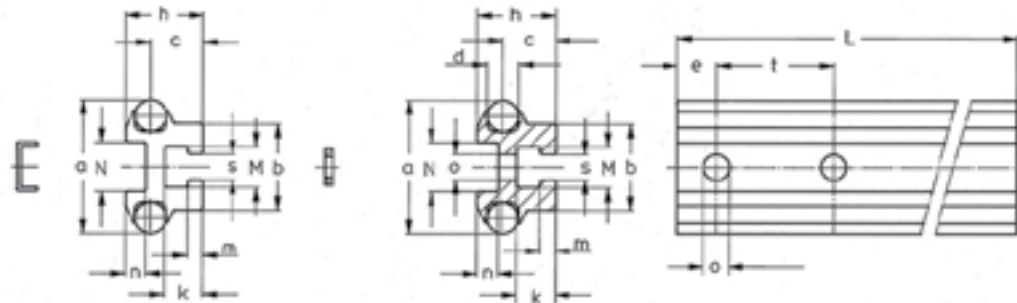
Complete with bearings & spigots



MAX PERMISSIBLE LOADS											
PART	F _y (N)	F _{0y} (N)	F _z (N)	F _{0z} (N)	M _x (Nm)	M _{0x} (Nm)	M _y (Nm)	M _{0y} (Nm)	M _z (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	

LINEAR - TRACK GUIDANCE

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

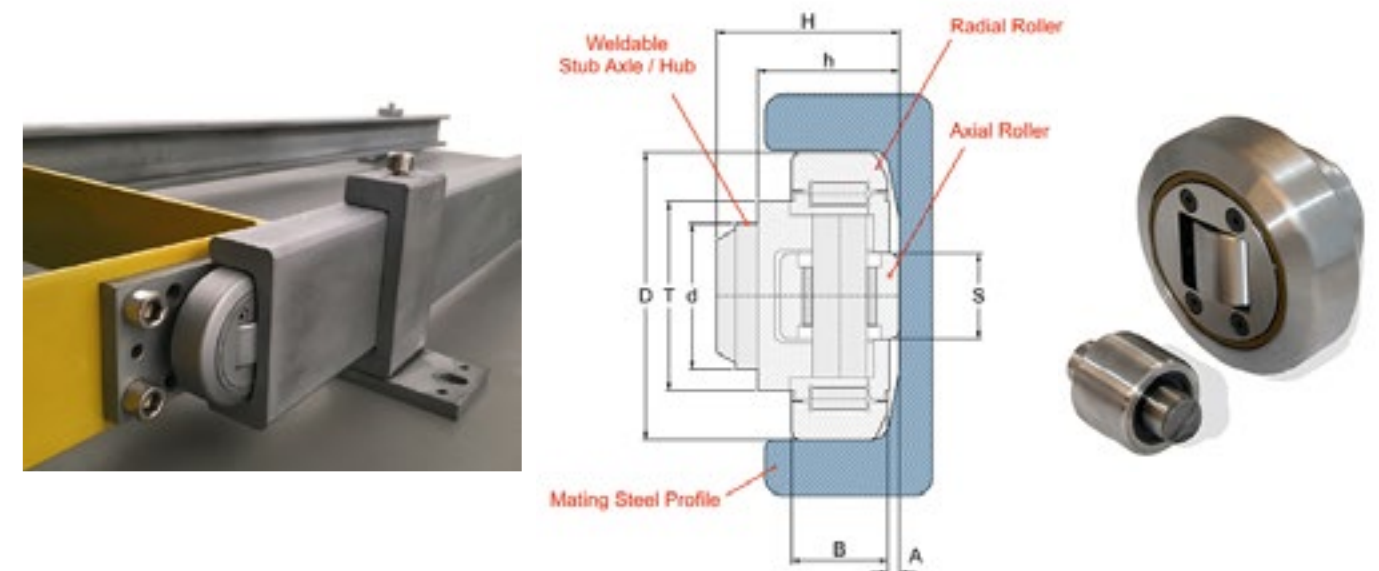
... represents the length of rail required in millimetres

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

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 = Dynamic Load Capacity for **radial** roller

C₀ = Static Load Capacity for **radial** roller

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

C_{0a} = Static Load Capacity for **axial** roller

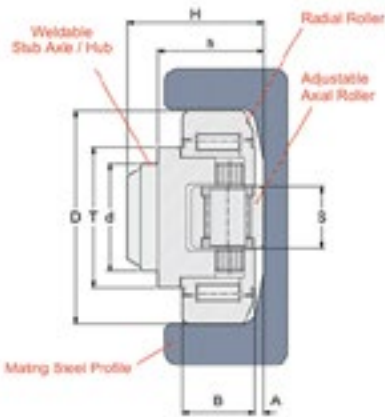
* Do NOT have grease Holes

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

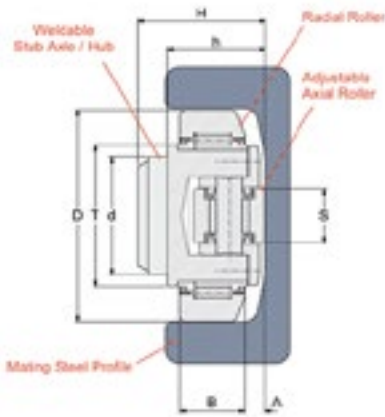
COMBINED ROLLER BEARINGS & MATING STEEL PROFILES

ECCENTRIC ADJUSTABLE COMBI BRGS

BEARING	D	T	d	H	h	B	A	S	r	C	C ₀	Ca	C _{0a}	Max	PROFILE	PLATE
REF										kN	kN	kN	kN	rpm	REF	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



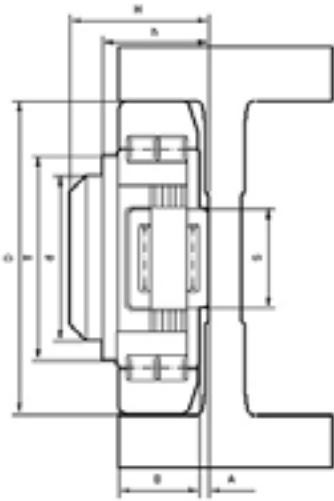
Right:
Shim Adjustable
Combined Bearings

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



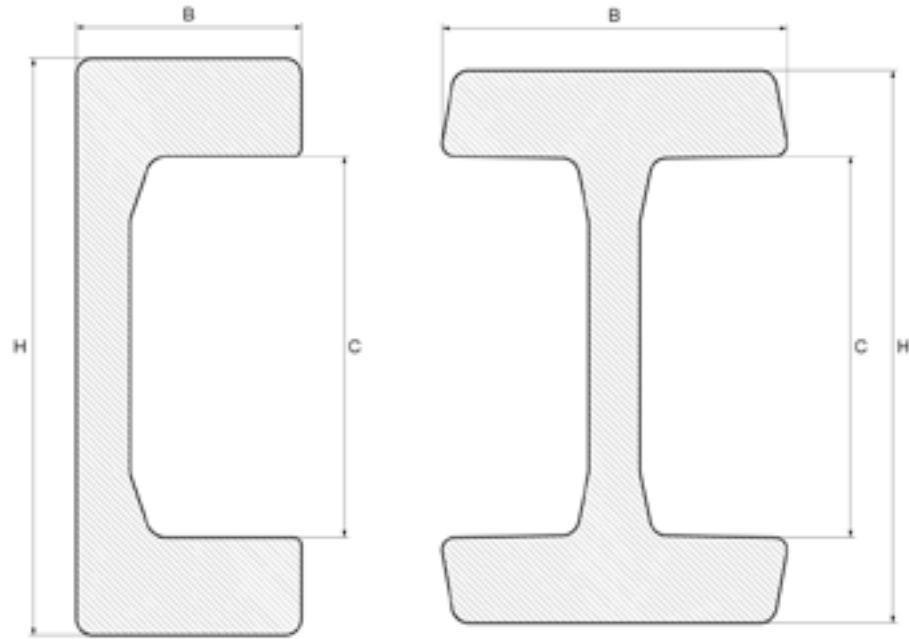
C₀ = Static load rating
C = Dynamic load rating
FC... = C section channel
FM... = I section channel

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.

COMBINED ROLLER BEARINGS & MATING STEEL PROFILES STANDARD CHANNELS



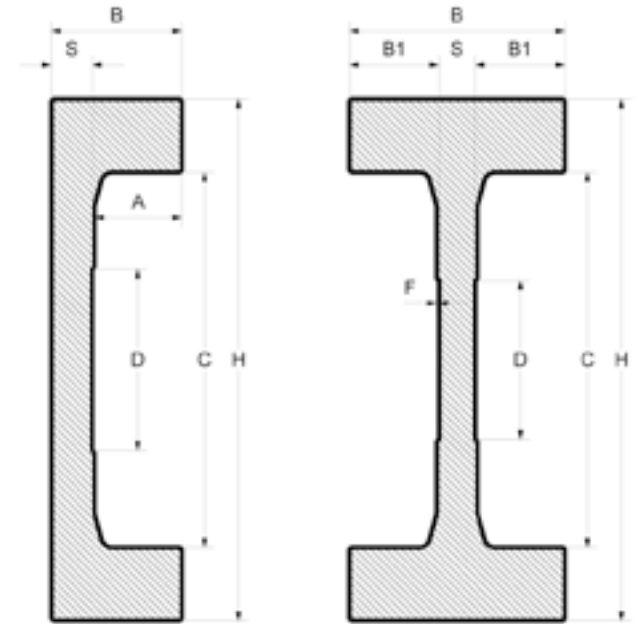
Typical C & I
Section Shapes



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)

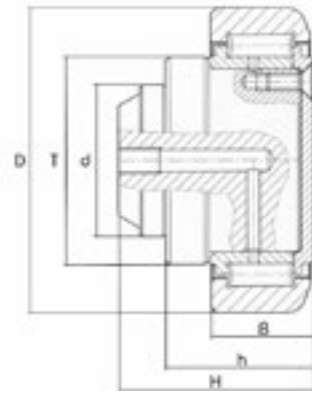
PART	C	H	B	S	D	A	Weight (kg/m)	Ex (mm)	Ey (mm)	Ix (cm ⁴)	Iy (cm ⁴)	Wx (cm ³)	Wy (cm ³)
FC165	165.4	230	57.5	18	80	38.5	53.3	19.9	115	4410.5	174.6	383.5	87.5
FC190	190.4	255	77	22	80	53	73.7	25.9	127.5	7631.6	434.2	598.6	167.7
FC220	220.4	295	85	20	125	62.5	86.1	29	147.5	12632.7	672.0	856.4	231.7
FC250	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

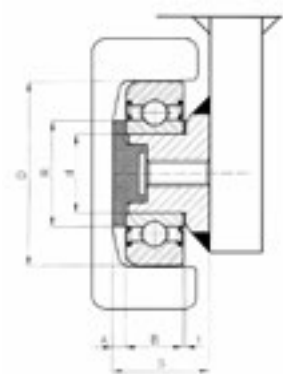
COMBINED ROLLER BEARINGS & MATING STEEL PROFILES

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

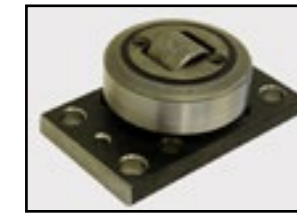


Assembly includes stub axle,
rubbing block, bearing & spacer

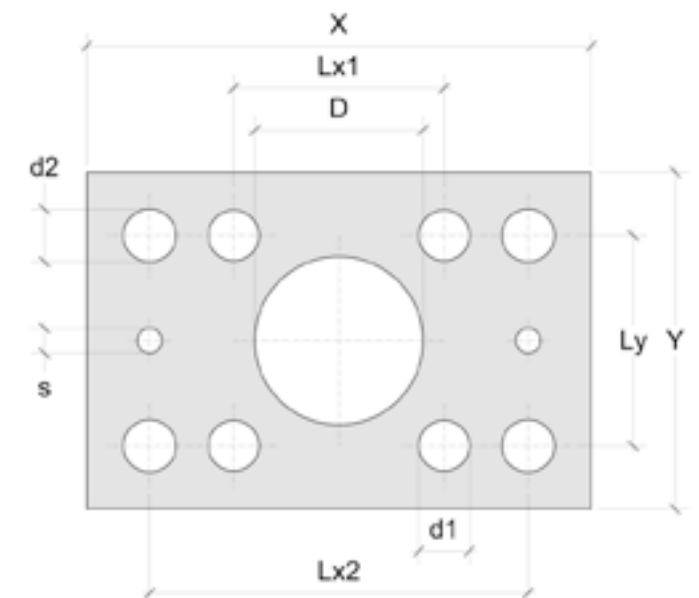
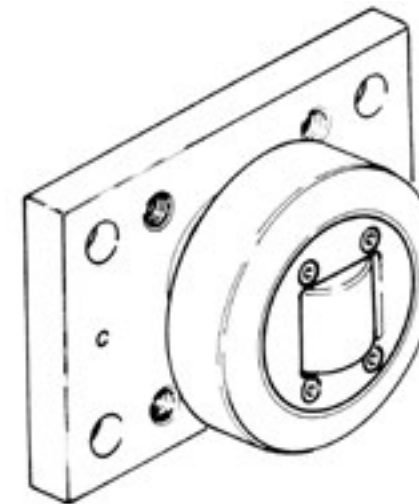
Assembly Part No	Load (KN)	Load Centre (mm)	d (mm)	D (mm)	B (mm)	S min - max (mm)	R (mm)	A (mm)	Bearing Part No*	Suits Channel Type:
10001	5 to 8	500	25	62.4	20	31 - 33	32	5	MRS948	2890
10002	10 to 15	500	30	70	22	36 - 38	40	5	MRS901	2867 & 3018
10003	15 to 20	500	30	78	22	36 - 38	40	5	MRS907	2810 &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

COMBINED ROLLER BEARINGS & MATING STEEL PROFILES

MOUNTING PLATES

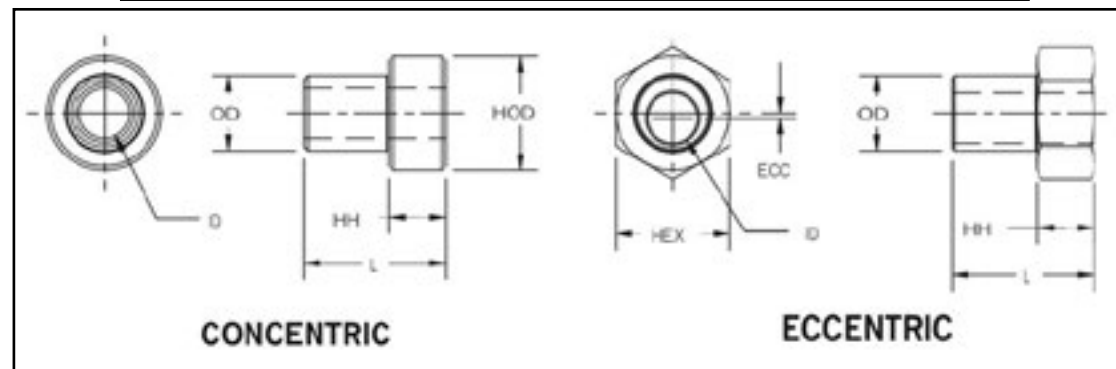
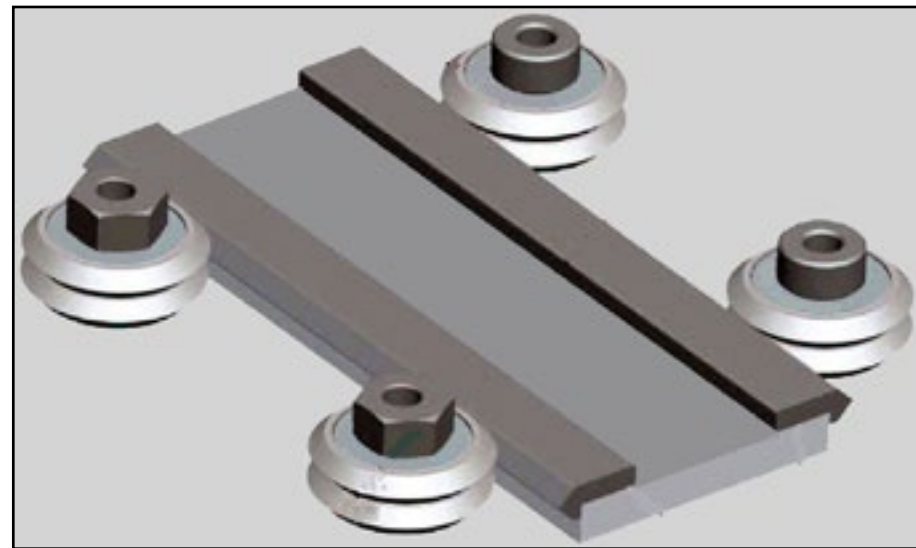


PART	BEARING	X	Y	Z	Lx1	Lx2	Ly	d1	d2	D	s
PL00	4.053	90	50	10	40	70	30	M8	8.5	30	6
PL0	4.054	100	60	10	40	80	40	M10	10.5	30	6
PL1	4.055	120	80	15	50	90	50	M12	12.5	35	6
PL2	4.056	120	80	15	50	90	50	M12	12.5	40	6
PL3	4.058	120	120	20	90	-	90	M16	-	45	-
PL4	4.061 & 4.062	180	120	20	80	140	80	M16	17	60	6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



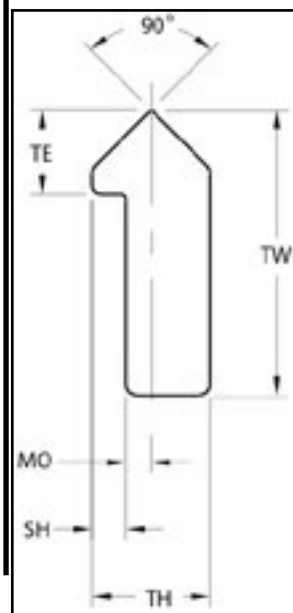
LINEAR - EURO-VEE BEARINGS

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 version features an inner seal which offers good protection against contamination.

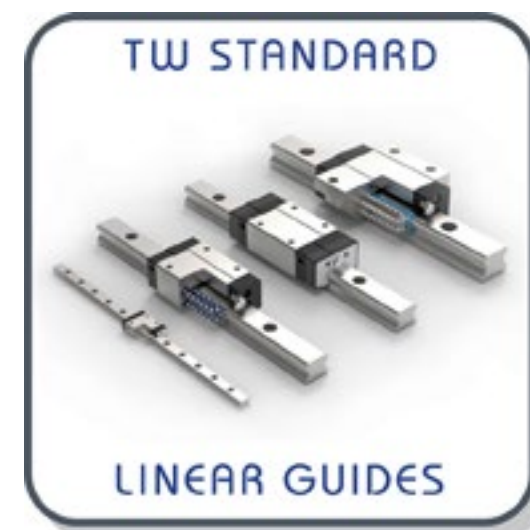
The current range is shown on our website and can be found using the links below:

[TWH standard carriages](#) (sizes 15 to 55)

[TWS compact carriages](#) (sizes 15 to 25)

[TWHW wide carriages](#) (sizes 17 to 35)

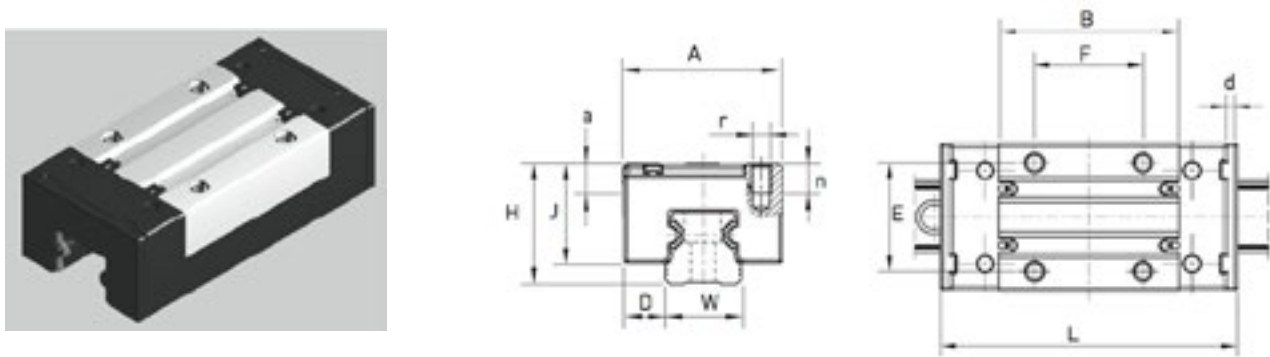
Other motion guidance ranges include [Aluminium Motion Guidance](#) (see page 48) and [Miniature Motion Guidance](#).



MOTION GUIDANCE SYSTEMS

ALUMINIUM

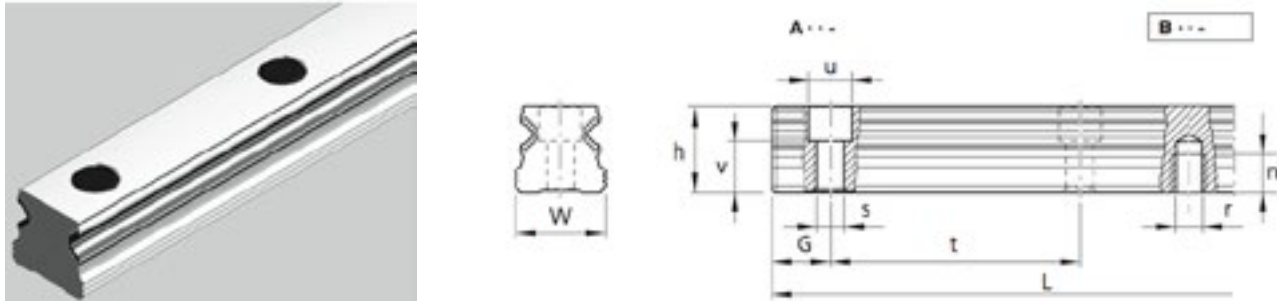
STANDARD CARRIAGE (GNS)



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



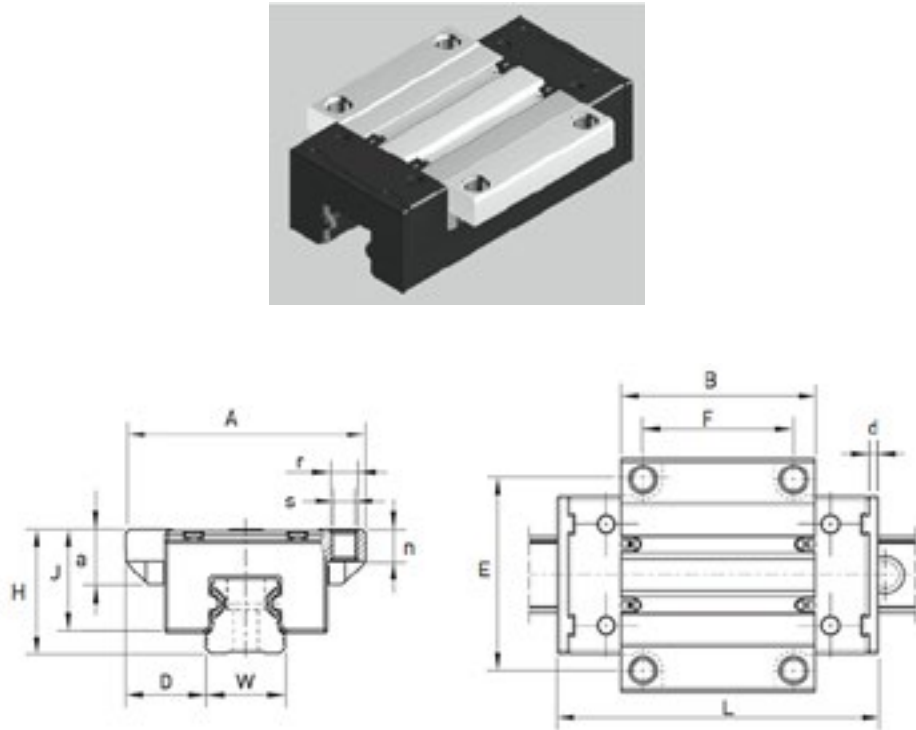
Part	W	h	u	v	s	G	r	n	t	L max	Weight (kg/m)
A15-	15	14.0	7.5	8.1	4.4	28			60	4000	0.57
B15-	15	14.0				28	M5	7	60	4000	0.57
A20-	20	19.0	9.5	11.6	6.0	28			60	4000	0.98
B20-	20	19.0				28	M6	9	60	4000	0.98
A25-	25	21.8	11.0	12.9	7.0	28			60	4000	1.25
B25-	25	21.8				28	M6	12	60	4000	1.25

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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