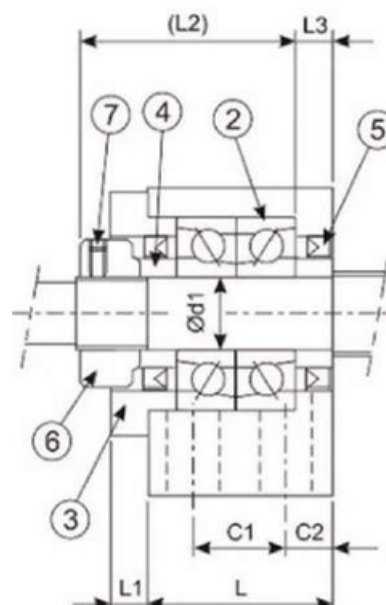
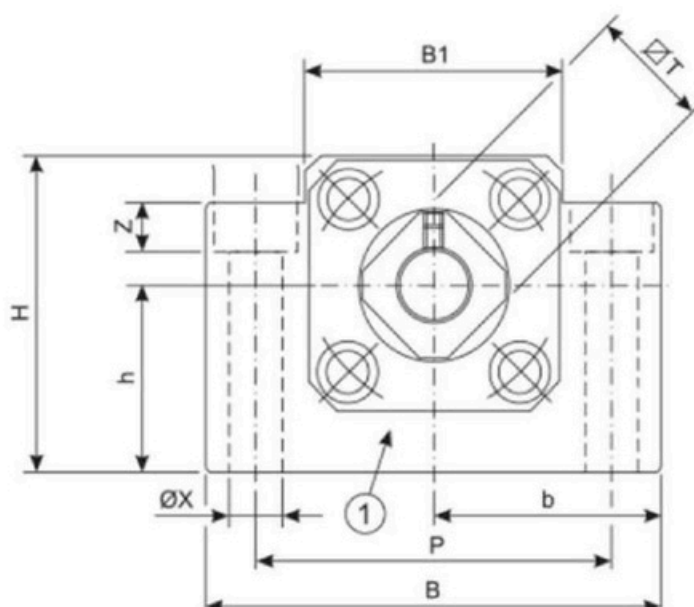


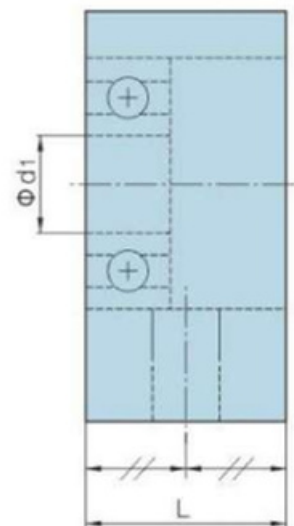
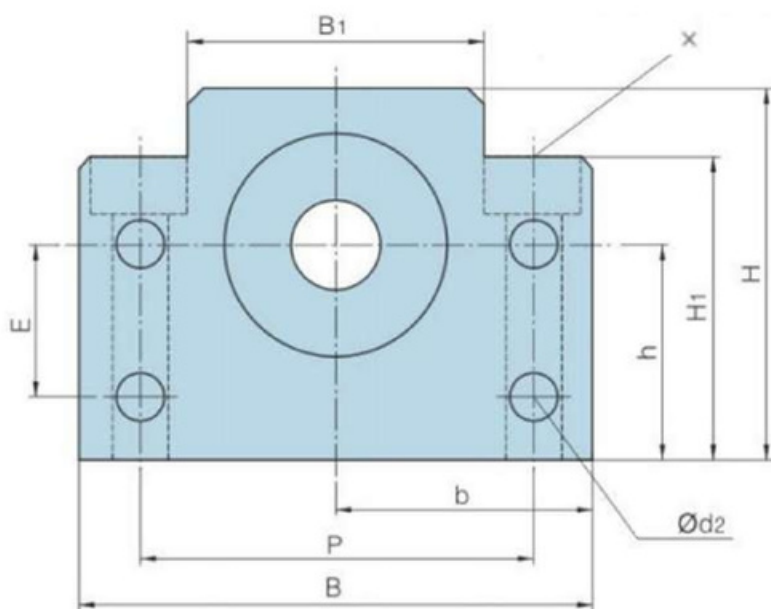
Mancal BK

Item	Descrição	Qtd.
1	Bloco	1
2	Jogo de Rolamentos	1
3	Tampa	1
4	Bucha Espaçadora	2
5	Vedação	2
6	Porca Trava	1
7	Parafuso allen de Travamento	1



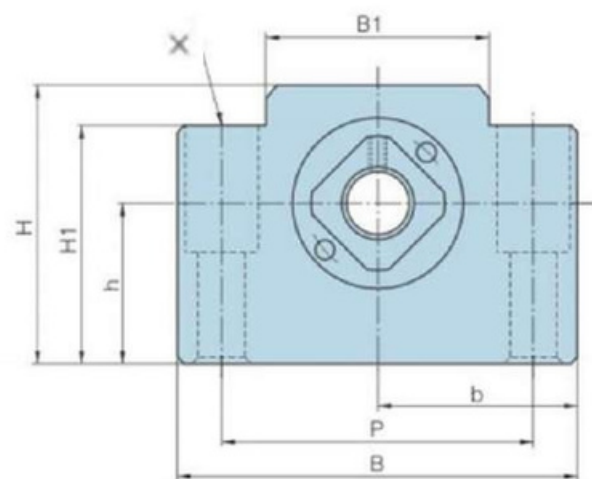
Modelo	d	L	L1	L2	L3	C1	C2	B	H	b	±0.2	h	±0.2	B1	H1	E	P	d2	X	Y	Z	T
BK10	10	25	5	29	5	13	6	60	39	30		22		34	32.5	15	46	5.5	6.6	10.8	5	16
BK12	12	25	5	29	5	13	6	60	43	30		25		34	32.5	18	46	5.5	6.6	10.8	1.5	19
BK15	15	27	6	32	6	15	6	70	48	35		28		42	38	18	54	5.5	6.6	11	6.5	22
BK17	17	35	9	44	7	19	8	86	64	43		39		50	55	28	68	6.6	9	14	8.5	24
BK20	20	35	8	43	8	19	8	88	60	44		34		52	50	22	70	6.6	9	14	8.5	30
BK25	25	42	12	54	9	22	10	106	80	53		48		64	70	33	85	9	11	17.5	11	35
BK30	30	45	14	61	9	23	11	128	89	64		51		76	78	33	102	11	14	20	13	40
BK35	35	50	14	67	12	26	12	140	96	70		52		88	79	35	114	11	14	20	13	50
BK40	40	61	18	76	15	33	14	160	110	80		60		100	90	37	130	14	18	26	17.5	50

Mancal BF

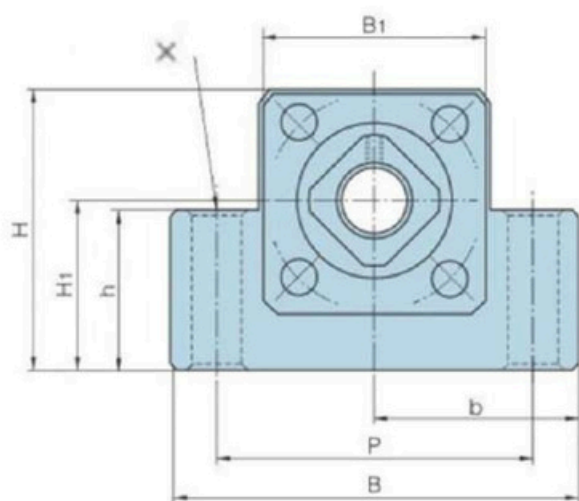
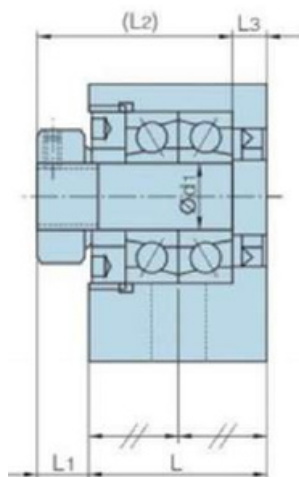


Modelo	d	L	B	H	b ±0.2	h ±0.2	B ₁	H ₁	E	P	d ₂	X	Y	Z	BEARING	SNAP RING
BF10	8	20	60	39	30	22	34	32.5	15	46	5.5	6.6	10.8	5	608ZZ	S 08
BF12	10	20	60	43	30	25	34	32.5	18	46	5.5	6.6	10.8	1.5	6000ZZ	S 10
BF15	15	20	70	48	35	28	40	38	18	54	5.5	6.6	11	6.5	6002ZZ	S 15
BF17	17	23	86	64	43	39	50	55	28	68	6.6	9	14	8.5	6203ZZ	S 17
BF20	20	26	88	60	44	34	52	50	22	70	6.6	9	14	8.5	6004ZZ	S 20
BF25	25	30	106	80	53	48	64	70	33	85	9	11	17.5	11	6205ZZ	S 25
BF30	30	32	128	89	64	51	76	78	33	102	11	14	20	13	6206ZZ	S 30
BF35	35	32	140	96	70	52	88	79	35	114	11	14	20	13	6207ZZ	S 35
BF40	40	37	160	110	80	60	100	90	37	130	14	18	26	17.5	6208ZZ	S 40

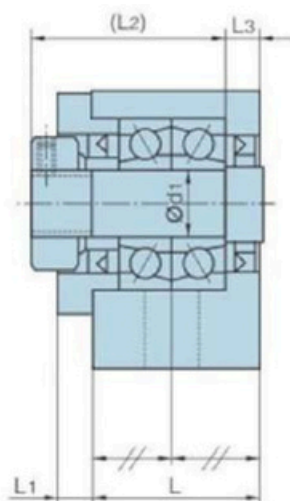
Mancal EK



EK6-8

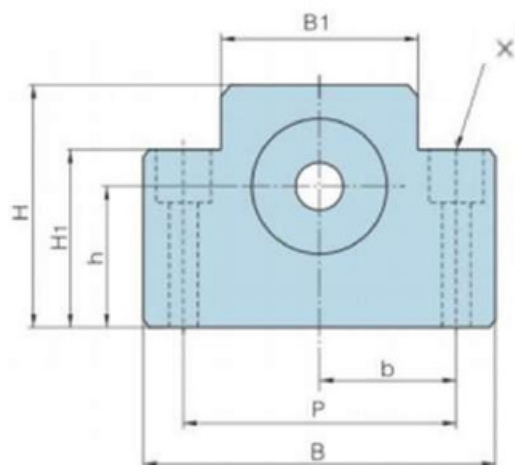


EK10-20

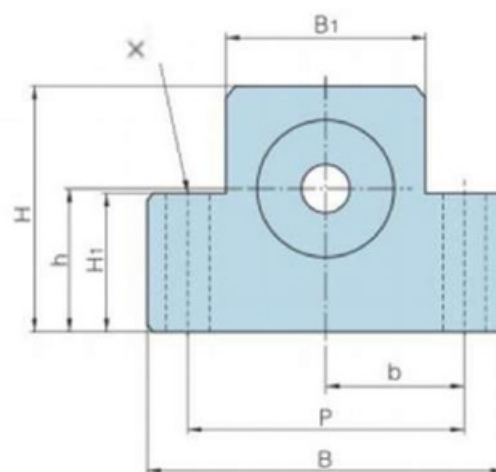
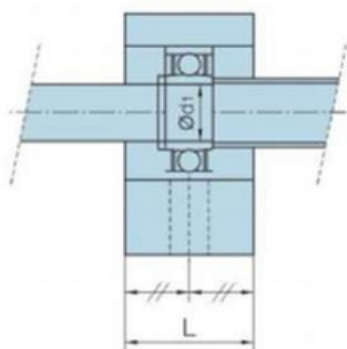


MODELO	d1	L	L1	L2	L3	B	H	b ±0.2	H1	B1	h ±0.2	P	X	Y	Z
EK5	5	16.5	5.5	18.5	3.5	36	21	18	11	20	8	28	4.5	\	\
EK6	6	20	5.5	22	3.5	42	25	21	20	18	13	30	5.5	9.5	11
EK8	8	23	7	26	4	52	32	26	26	25	17	38	6.6	11	12
EK10	10	24	6	29.5	6	70	43	35	25	36	24	52	9	\	\
EK12	12	24	6	29.5	6	70	43	35	25	36	24	52	9	\	\
EK15	15	25	6	36	5	80	49	40	30	41	25	60	11	\	\
EK20	20	42	10	50	10	95	58	47.5	30	56	25	75	11	\	\

Mancal EF



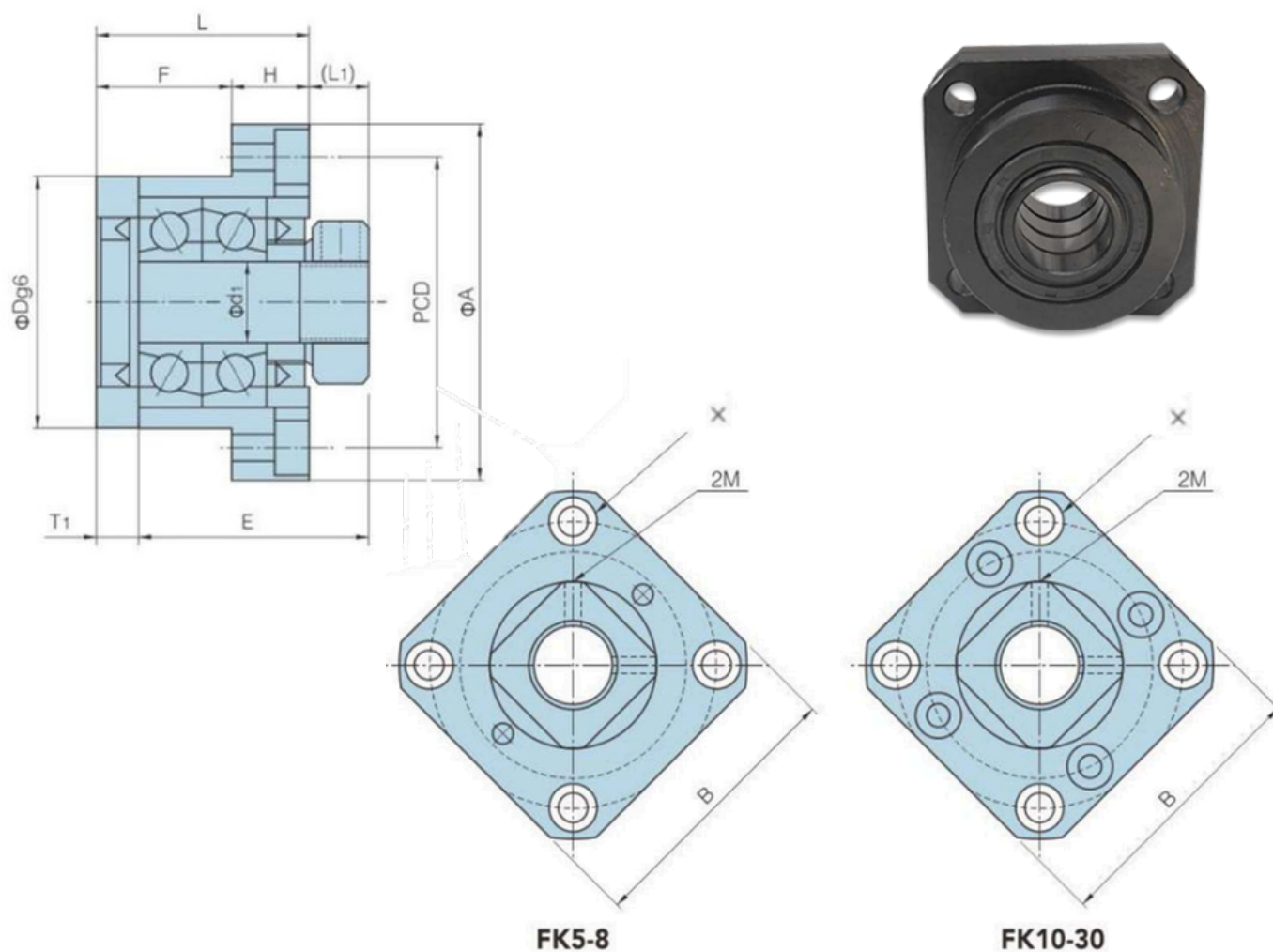
EF6 - EF8



EF10 - EF20

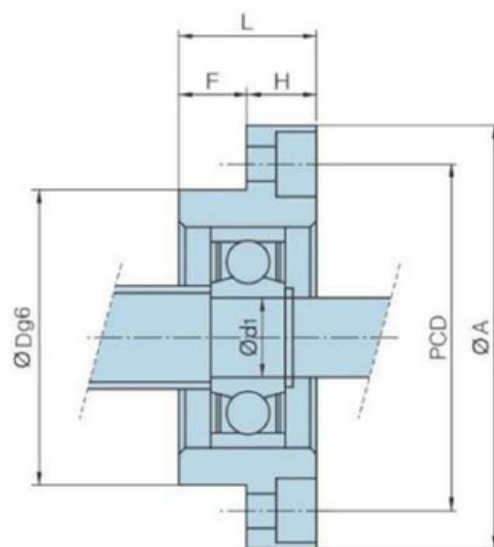
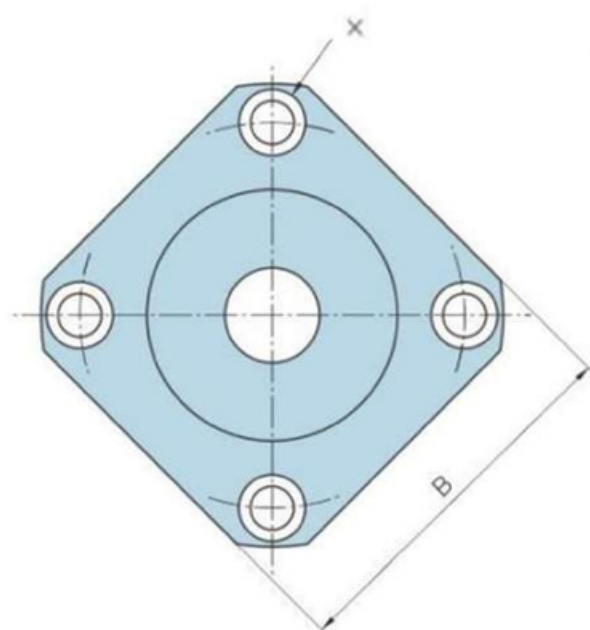
Modelo	d1	L	B	H	b ±0.2	h ±0.2	B1	H1	P	X	Y	Z	BEARING	SNAP RING
EF6	6	12	42	25	21	13	18	20	30	5.5	9.5	11	606ZZ	S 06
EF8	6	14	52	32	26	17	25	26	38	6.6	11	12	606ZZ	S 06
EF10	8	20	70	43	35	25	36	24	52	9	\	\	608ZZ	S 08
EF12	10	20	70	43	35	25	36	24	52	9	\	\	6000ZZ	S 10
EF15	15	20	80	49	40	30	41	25	60	9	\	\	6002ZZ	S 15
EF20	20	26	95	58	47.5	30	56	25	75	11	\	\	6204ZZ	S 20

Mancal FK



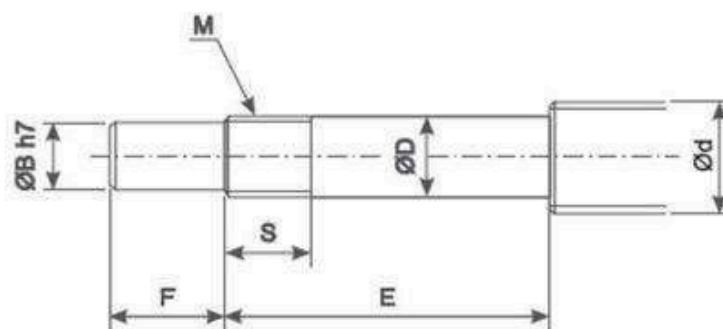
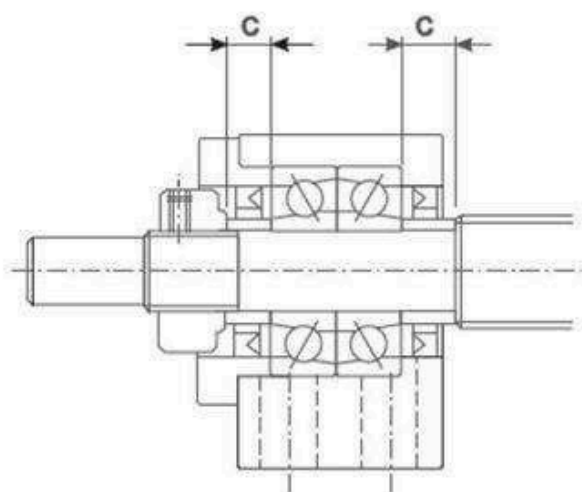
Modelo	d1	L	H	F	E	Dg6	A	PCD	B	L1	T1	X	Y	Z
FK5	5	16.5	6	10.5	18.5	20	34	26	26	5.5	3.5	3.4	6.5	4
FK6	6	20	7	13	22	22	36	28	28	5.5	3.5	3.4	6.5	4
FK8	8	23	9	14	26	28	43	35	35	7	4	3.4	6.5	4
FK10	10	27	10	17	29.5	34	52	42	42	7.5	5	4.5	8	4
FK12	12	27	10	17	29.5	36	54	44	44	7.5	5	4.5	8	4
FK15	15	32	15	17	36	40	63	50	52	10	6	5.5	9.5	6
FK17	17	45	22	23	56	50	77	62	60	11	8	6.6	11	10
FK20	20	52	22	30	50	57	85	70	68	8	10	6.6	11	10
FK25	25	57	27	30	60	63	98	80	79	13	10	9	15	13
FK30	30	63	30	32	61	75	117	95	93	11	12	11	17.5	15

Mancal FF



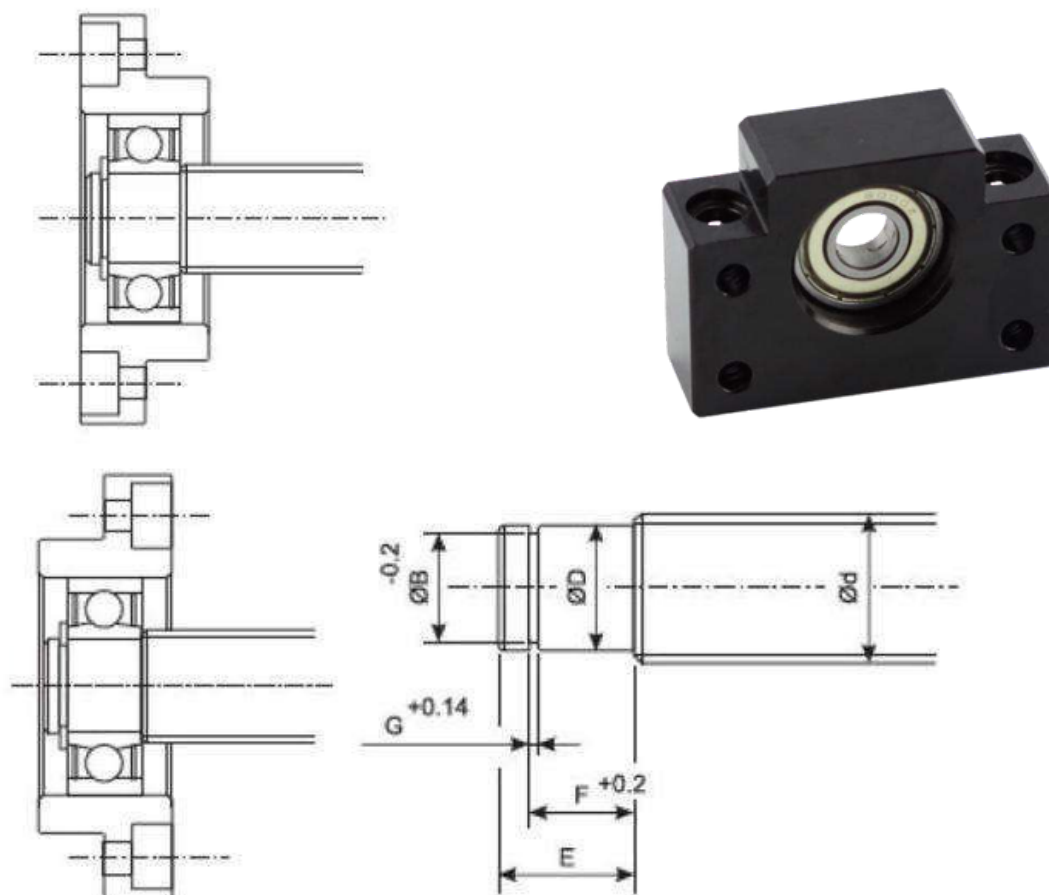
Modelo	d1	L	H	F	Dg6	A	PCD	B	X	Y	Z	BEARING	SNAP RING
FF10	8	12	7	5	28	43	35	35	3.4	6.5	4	608ZZ	S 08
FF12	10	15	7	8	34	52	42	42	4.5	8	4	6000ZZ	S 10
FF15	15	17	9	8	40	63	50	52	5.5	9.5	5.5	6002ZZ	S 15
FF17	17	20	11	9	50	77	62	60	6.6	11	6.5	6203ZZ	S 17
FF20	20	20	11	9	57	85	70	68	6.6	11	6.5	6004ZZ	S 20
FF25	25	24	14	10	63	98	80	79	9	14	8.5	6205ZZ	S 25
FF30	30	27	18	9	75	117	95	93	11	17.5	11	6206ZZ	S 30

Usinagem Recomendada Mancal BK



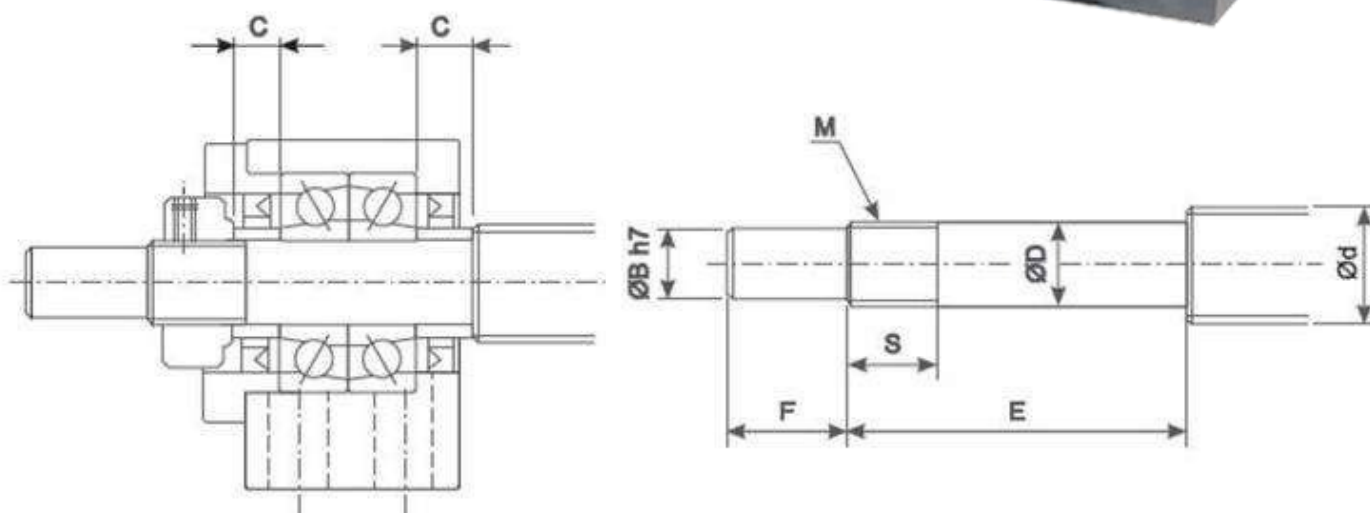
BK	Ø Fuso d	Ø Montagem no Mancal D		B	E	F	M	S	C
BK10	14	10	-0,005 ~ -0,012	8	36	15	M10 X 1	12	5,5
BK12	16	12	-0,005 ~ -0,012	10	36	15	M12 X 1	12	5,5
BK15	20	15	-0,005 ~ -0,014	12	40	20	M15 X 1	12	6
BK17	20/25	17	-0,005 ~ -0,014	15	53	23	M17 X 1	17	7
BK20	25	20	-0,005 ~ -0,014	17	53	25	M20 X 1	15	8
BK25	32	25	-0,005 ~ -0,014	20	66	30	M25 X 1,5	20	9
BK30	40	30	-0,005 ~ -0,015	25	73	38	M30 X 1,5	25	9
BK35	40	35	-0,005 ~ -0,015	30	82	45	M35 X 1,5	26	12
BK40	50	40	-0,005 ~ -0,015	35	94	50	M40 X 1,5	30	15

Usinagem Recomendada Mancal BF



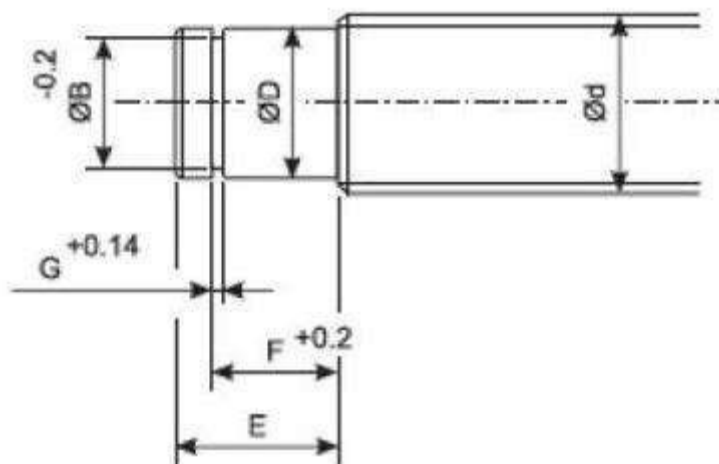
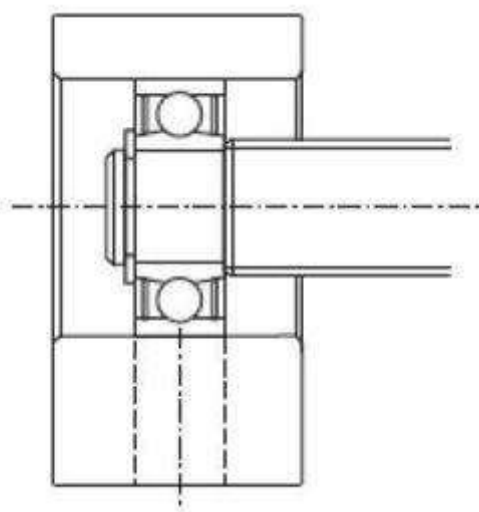
BF	Ø Fuso d	Ø Montagem no Mancal D			E	B	F	G
BF10	14	8	-0,005	~ -0,012	10	7,6	7,9	0,9
	14/16	10	-0,005	~ -0,012				
BF12	20	15	-0,005	~ -0,014	11	9,6	9,15	1,15
BF15	20/25	17	-0,005	~ -0,014	13	14,3	10,15	1,15
BF17					16	16,2	13,15	1,15
BF20	25	20	-0,005	~ -0,014	16	19	13,35	1,35
BF25	32	25	-0,005	~ -0,014	20	23,9	16,35	1,35
BF30	40	30	-0,005	~ -0,015	21	28,6	17,75	1,75
BF35	40	35	-0,005	~ -0,015	22	33	18,75	1,75
BF40	50	40	-0,005	~ -0,015	23	38	19,95	1,95

Usinagem Recomendada Mancal EK



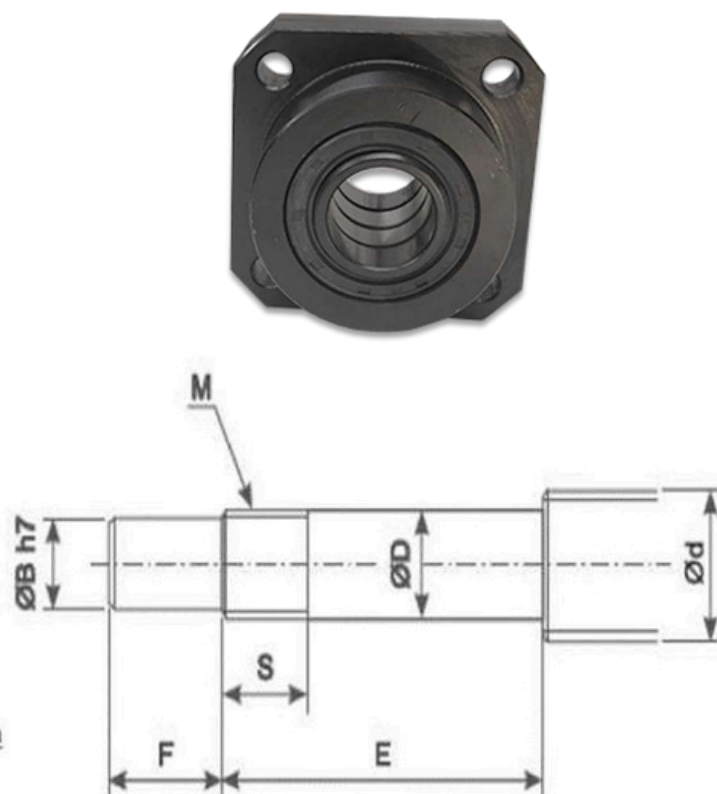
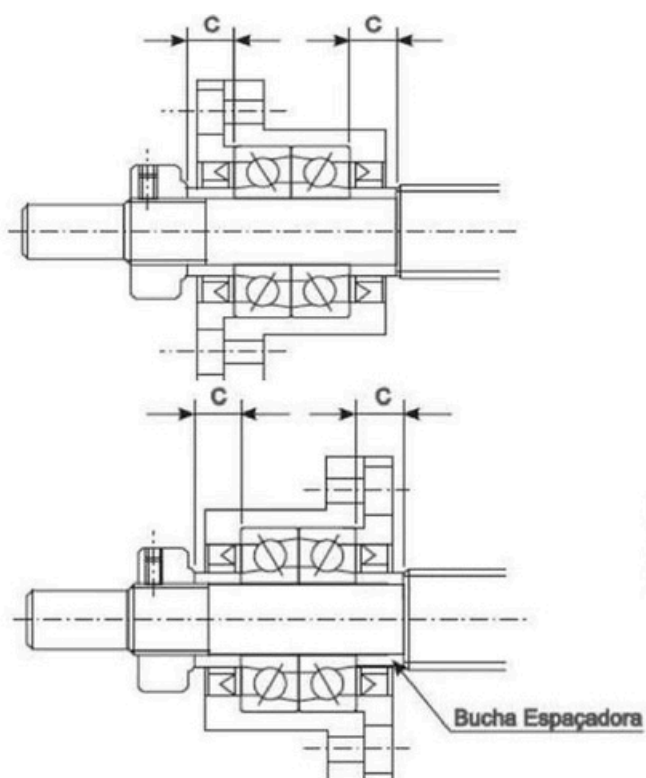
Modelo	Ø Fuso d	Ø Montagem no Mancal D		B	E	F	M	S	C
EK10	14	10	-0,005 ~ -0,012	8	36	15	M10 X 1	12	5,5
EK12	16	12	-0,005 ~ -0,012	10	36	15	M12 X 1	12	5,5
EK15	20	15	-0,005 ~ -0,014	12	48	20	M15 X 1	13	6
EK17	20/25	17	-0,005 ~ -0,014	15	59	23	M17 X 1	17	7
EK20	25	20	-0,005 ~ -0,014	17	64	25	M20 X 1	17	8
EK25	32	25	-0,005 ~ -0,014	20	76	30	M25 X 1,5	20	9
EK30	40	30	-0,005 ~ -0,015	25	73	38	M30 X 1,5	25	9
EK35	40	35	-0,005 ~ -0,015	30	81	45	M35 X 1,5	28	12
EK40	50	40	-0,005 ~ -0,015	35	93	50	M40 X 1,5	35	15

Usinagem Recomendada Mancal EF



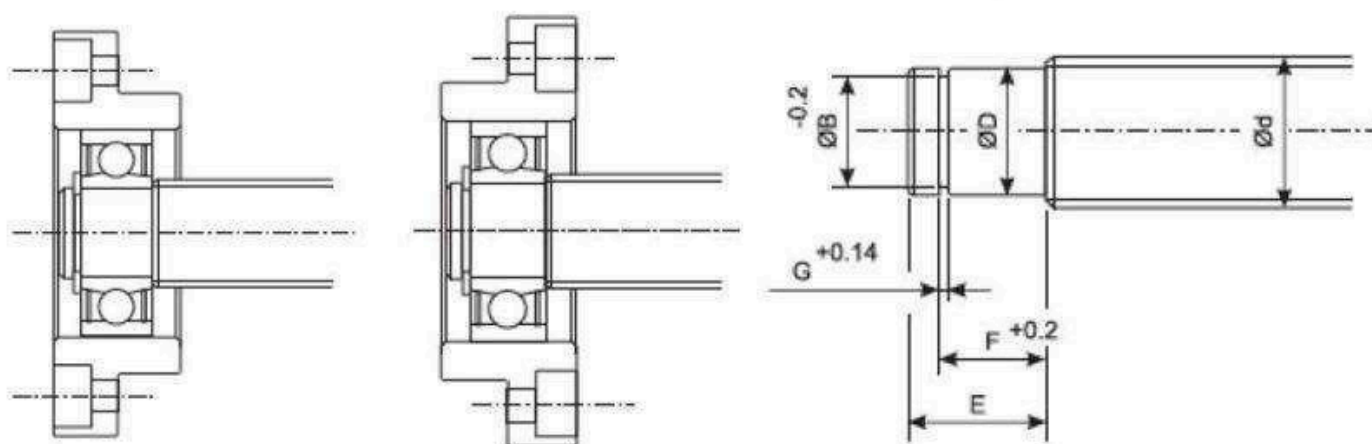
EF	Ø Fuso d	Ø Montagem no Mancal D			E	B	F	G
EF10	14	8	-0,005	~ -0,012	10	7,6	7,9	0,9
EF12	14/16	10	-0,005	~ -0,012	11	9,6	9,15	1,15
EF15	20	15	-0,005	~ -0,014	13	14,3	10,15	1,15
EF17	20/25	17	-0,005	~ -0,014	16	16,2	13,15	1,15
EF20	25	20	-0,005	~ -0,014	16	19	13,35	1,35
EF25	32	25	-0,005	~ -0,014	20	23,9	16,35	1,35
EF30	40	30	-0,005	~ -0,015	21	28,6	17,75	1,75
EF35	40	35	-0,005	~ -0,015	22	33	18,75	1,75
EF40	50	40	-0,005	~ -0,015	23	38	19,95	1,95

Usinagem Recomendada Mancal FK



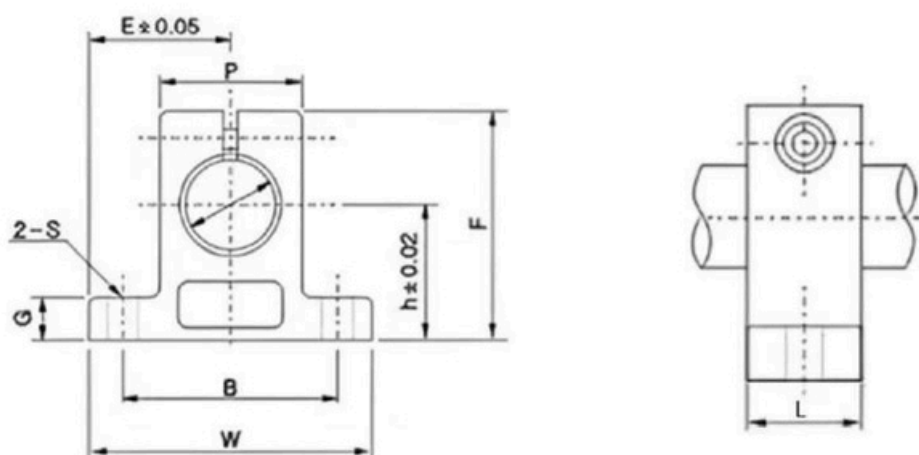
FK	Ø Fuso d	Ø Montagem no Mancal D			B	E	F	M	S	C
FK10	14	10	-0,005	~ -0,012	8	36	15	M10 X 1	12	5,5
FK12	16	12	-0,005	~ -0,012	10	36	15	M12 X 1	12	5,5
FK15	20	15	-0,005	~ -0,014	12	48	20	M15 X 1	13	10
FK17	20/25	17	-0,005	~ -0,014	15	59	23	M17 X 1	17	10
FK20	25	20	-0,005	~ -0,014	17	64	25	M20 X 1	16	11
FK25	32	25	-0,005	~ -0,014	20	76	30	M25 X 1,5	20	15
FK30	40	30	-0,005	~ -0,015	25	73	38	M30 X 1,5	25	9

Usinagem Recomendada Mancal FF



Modelo	d1	L	H	F	Dg6	A	PCD	B	X	Y	Z	BEARING	SNAP RING
FF10	8	12	7	5	28	43	35	35	3.4	6.5	4	608ZZ	S 08
FF12	10	15	7	8	34	52	42	42	4.5	8	4	6000ZZ	S 10
FF15	15	17	9	8	40	63	50	52	5.5	9.5	5.5	6002ZZ	S 15
FF17	17	20	11	9	50	77	62	60	6.6	11	6.5	6203ZZ	S 17
FF20	20	20	11	9	57	85	70	68	6.6	11	6.5	6004ZZ	S 20
FF25	25	24	14	10	63	98	80	79	9	14	8.5	6205ZZ	S 25
FF30	30	27	18	9	75	117	95	93	11	17.5	11	6206ZZ	S 30

Mancal Fixo SK

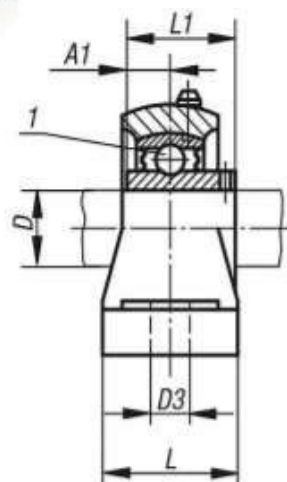
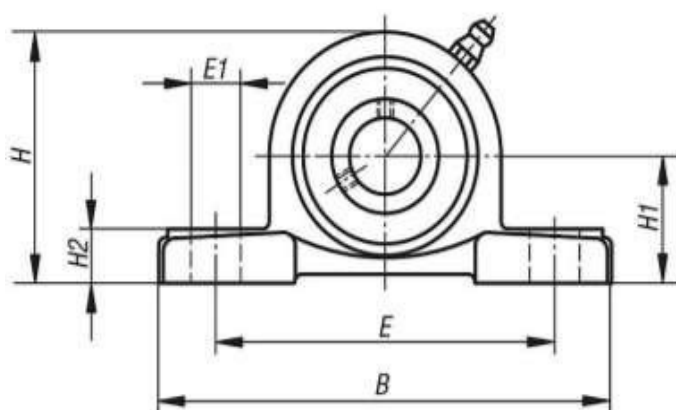


Modelo	d	h	E	W	L	F	G	P	B	S	T1	T2	(g)
SK8	8	20	21	42	14	32.8	6	18	32	5.5	M4	M5	24
SK10	10	20	21	42	14	32.8	6	18	32	5.5	M4	M5	24
SK12	12	23	21	42	14	37.5	6	20	32	5.5	M4	M5	30
SK13	13	23	21	42	14	37.5	6	20	32	5.5	M4	M5	30
SK16	16	27	24	48	16	44	8	25	38	5.5	M4	M5	40
SK20	20	31	30	60	20	51	10	30	45	6.6	M5	M6	70
SK25	25	35	35	70	24	60	12	38	56	6.6	M6	M6	130
SK30	30	42	42	84	28	70	12	44	64	9	M6	M8	180
SK35	35	50	49	98	32	83	16	50	74	11	M8	M10	270
SK40	40	60	57	114	36	96	15	60	90	11	M8	M10	420
SK50	50	70	63	126	40	120	18	74	100	14	M12	M12	750
SK60	60	80	74	148	45	136	18	90	120	14	M12	M12	1100

T1: Bloqueio Parafuso

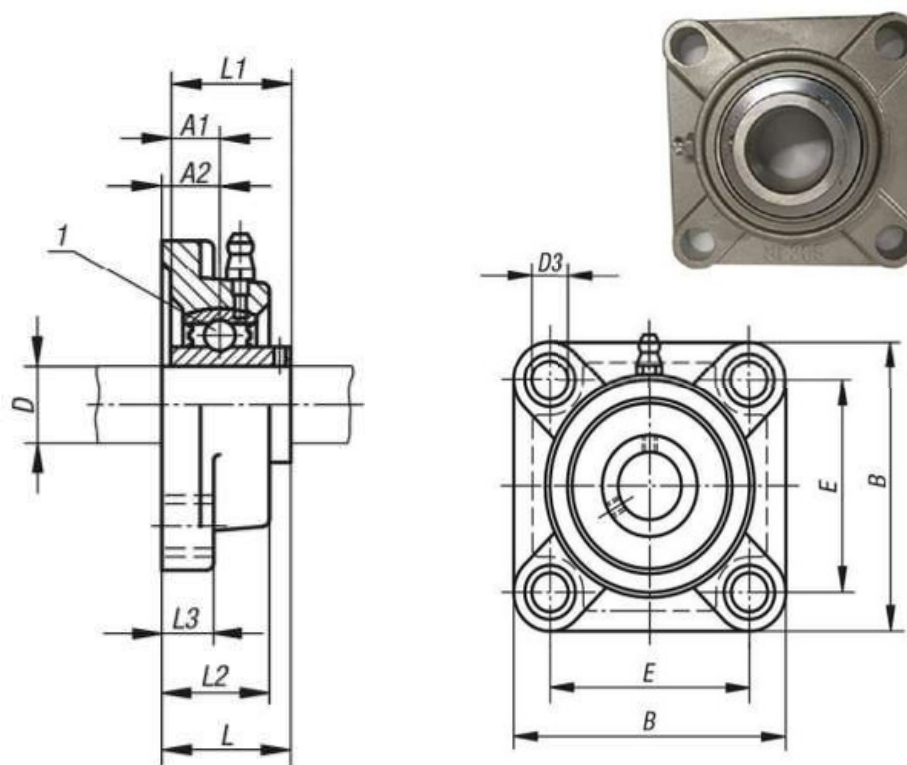
T2: Aperto Parafuso

Mancal UCP



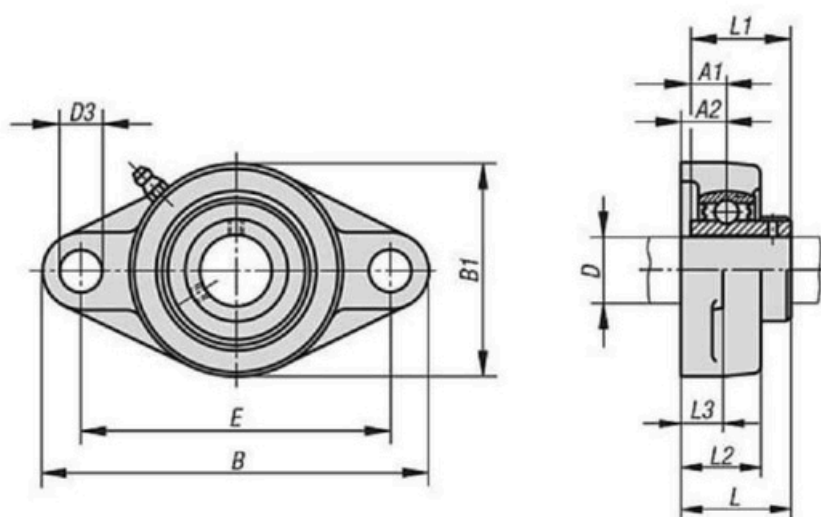
Modelo	D	A1	B	D3	E	E1	H	H1	H2	L	L1	Parafuso
UCP201	12	12.7	127	13	95	19	62	30.2	14	38	31	M10
UCP202	15	12.7	127	13	95	19	62	30.2	14	38	31	M10
UCP203	16/17	12.7	127	13	95	19	61	30.2	14	38	31	M10
UCP204	20	14.3	127	13	95	19	64	33.3	15	38	31	M10
UCP205	25	14.3	140	13	105	19	71	36.5	15	38	34.1	M10
UCP206	30	15.9	165	17	121	20	84	42.9	17	48	38.1	M14
UCP207	35	17.5	167	17	127	20	93	47.6	18	48	42.9	M14
UCP208	40	19	184	17	137	20	100	49.2	18	54	49.2	M14
UCP209	45	19	190	17	146	20	106	54	20	54	49.2	M14
UCP210	50	19	200	20	159	23	113	57.2	21	60	51.6	M16
UCP211	55	22.2	219	20	171	23	125	63.5	23	60	55.6	M16
UCP212	60	25.4	241	20	184	23	138	69.8	25	70	65.1	M16

Mancal UCF



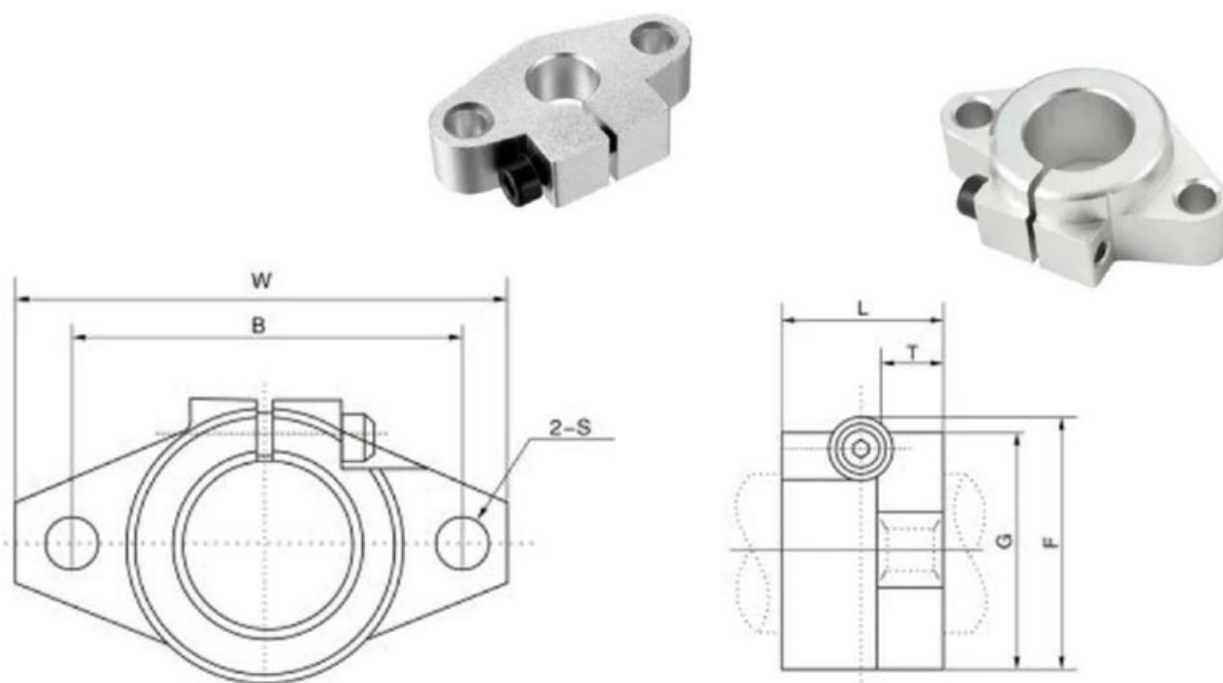
Modelo	D	A1	A2	B	D3	E	L	L1	L2	L3	Parafuso
UCF201	12	12.7	15	86	12	64	33.3	31	25.5	12	M10
UCF202	15	12.7	15	82	12.7	64	33.3	31	24.5	11	M10
UCF203	16/17	12.7	15	75	12	54	32.3	27.5	22	12.8	M10
UCF204	20	14.3	15	83	12.7	64	33.3	31.3	24	11	M10
UCF205	25	14.3	16	95	12	70	35.8	34.1	27	13	M10
UCF206	30	15.9	18	108	12	83	40.2	38.1	31	13.3	M10
UCF207	35	17.5	19	117	14	92	44.4	42.9	34	14	M12
UCF208	40	19	21	130	16	102	51.2	49.2	36	16	M14
UCF209	45	19	22	137	16	105	52.2	49.2	38	16	M14
UCF210	50	19	22	143	16	111	54.6	51.6	40	16	M14
UCF211	55	22.2	25	162	19	130	58.4	55.6	43	19	M16
UCF212	60	25.4	29	175	19	143	68.7	65.1	48	19	M16

Mancal UCFL



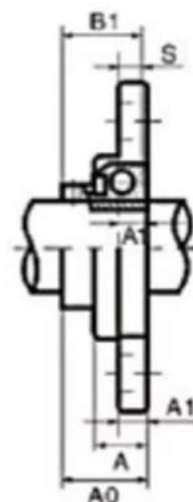
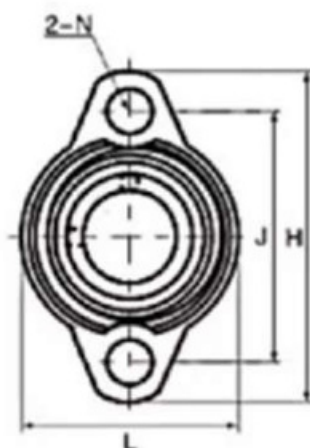
Modelo	D	A1	A2	B	B1	D3	E	L	L1	L2	L3	ROLAMENTO	CAIXA	Parafuso
UCFL 201	12	12,7	17	96.5	55	12	76	33,3	27.5	25.5	12	UC 201	FL 203	M10
UCFL 202	15	12,7	17	96.5	55	12	76	33,3	27.5	25.5	12	UC202	FL 203	M10
UCFL 203	16	12,7	17	96.5	55	12	76	33,3	27.5	25.5	12	UC 203	FL 203	M10
UCFL 204	20	12,7	19	112	59	12	90	33,3	31	25.5	13	UC 204	FL 204	M10
UCFL 205	25	14,3	20	130	67.5	16	98	35,8	34	27	14	UC 205	FL 205	M14
UCFL 206	30	15,9	22	147	78	16	117	40,2	38,1	31	14	UC 206	FL 206	M14

Mancal SHF



Modelo	d	W	L	T	F	G	B	S	J
SHF 8	8	43	10	5	24	20	32	5.5	M5
SHF 10	10	43	10	5	24	20	32	5.6	M5
SHF12	12	47	13	7	28	25	36	5.5	M4
SHF16	16	50	16	8	31	28	40	5.5	M4
SHF20	20	60	20	8	37	34	48	7	M5
SHF25	25	70	25	10	42	40	56	7	M5
SHF30	30	80	30	12	50	46	64	9	M6
SHF35	35	92	35	14	58	50	72	12	M8
SHF40	40	102	40	16	67	56	80	12	M10
SHF50	50	122	50	19	83	70	96	14	M12
SHF60	60	140	60	23	95	82	112	14	M12

Mancal KFL



Modelo	d	H	J	A1	A2	A	N	L	A0	B	S	PARAFUSO
KFL08	8	48	36	4	4	8.5	5	27	12	11	3	M5
KFL000	10	60	45	5.5	5.5	11.5	7	36	15.5	14	4	M6
KFL001	12	63	48	5.5	5.5	11.5	7	38	16	14.5	6.5	M6
KFL002	15	67	53	6.5	6.5	13	7	42	16.5	16.5	4.5	M6
KFL003	17	71	56	7	7	14	7	46	19.5	17.5	5	M6
KFL004	20	90	71	8	8	16	10	55	23	21	6	M8
KFL005	25	95	75	8	8	16	10	60	24.5	22.5	6	M8
KFL006	30	112	85	9	9	18	13	70	27	24.5	6.5	M10
KFL007	35	122	96	11	11	21	14	80	33	30	8	M12