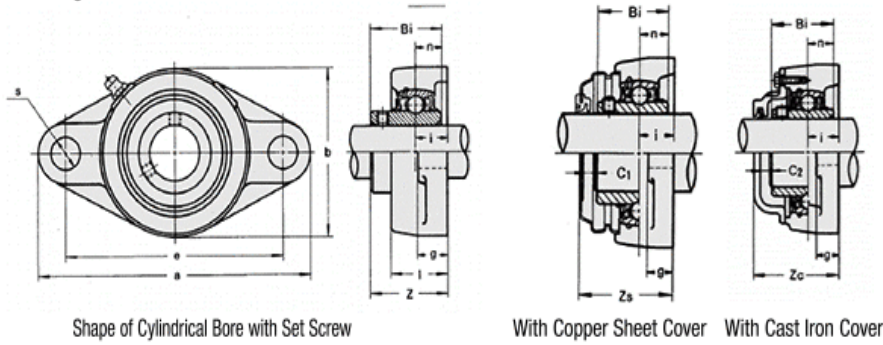


LAMPIRAN: DATA BANTALAN UFCL

Dimensional Drawing



Unit Bearing Number	Shaft Diameter (mm)	Main Dimension (mm)												Nominal Attaching Bolt Size	Bearing		With Copper Sheet Cover	With Cast Iron Cover
		a	e	g	l	s	b	Z	Bi	n	Zs	Zc	Basic Load Rating (kN)		Penetrating Cover C Single Blank Cover E	Penetrating Cover C Single Blank Cover CE		
													Cr		Cor	UCFL	CUCFL	
UCFL 201	12	113	90	12	25.5	12	60	33.3	31	12.7	43	46	M10	12.8	6.6	201C(E)	201C(CE)	
UCFL 202	15	113	90	12	25.5	12	60	33.3	31	12.7	43	46	M10	12.8	6.6	202C(E)	202C(CE)	
UCFL 203	17	113	90	12	25.5	12	60	33.3	31	12.7	43	46	M10	12.8	6.6	203C(E)	203C(CE)	
UCFL 204	20	113	90	12	25.5	12	60	33.3	31	12.7	43	46	M10	12.8	6.6	204C(E)	204C(CE)	
UCFL 205	25	130	99	14	27	16	68	35.7	34	14.3	47	51	M14	14	7.9	205C(E)	205C(CE)	
UCFL X05	25	141	117	13	30	12	83	40.2	38.1	15.9	51	—	M10	19.6	11.3	X05C(E)	—	
UCFL 305	25	150	113	13	29	19	80	39	38	15	—	55	M16	21.3	10.9	—	305C(CE)	
UCFL 206	30	148	117	14	31	16	80	40.2	38.1	15.9	49	55	M14	19.6	11.3	206C(E)	206C(CE)	
UCFL X06	30	156	130	14	34	16	95	44.4	42.9	17.5	54	—	M14	25.9	15.4	X06C(E)	—	
UCFL 306	30	180	134	15	32	23	90	44	43	17	—	60	M20	26.8	15	—	306C(CE)	
UCFL 207	35	161	130	16	34	16	90	44.4	42.9	17.5	54	59	M14	25.9	15.4	207C(E)	207C(CE)	
UCFL X07	35	171	144	14	38	16	105	51.2	49.2	19	63	—	M14	29.3	17.9	X07C(E)	—	
UCFL 307	35	185	141	16	36	23	100	49	48	19	—	65	M20	33.5	19.2	—	307C(CE)	
UCFL 208	40	175	144	16	36	16	100	51.2	49.2	19	61	66	M14	29.3	17.9	208C(E)	208C(CE)	
UCFL X08	40	179	148	14	40	16	111	52.2	49.2	19	63	—	M14	33	20.5	X08C(E)	—	
UCFL 308	40	200	158	17	40	23	112	56	52	19	—	73	M20	40.5	23.9	—	308C(CE)	
UCFL 209	45	188	148	18	38	19	108	52.2	49.2	19	63	67	M16	33	20.5	209C(E)	209C(CE)	
UCFL X09	45	189	157	14	40	16	116	55.6	51.6	19	67	—	M14	35.5	23.2	X09C(E)	—	
UCFL 309	45	230	177	18	44	25	125	60	57	22	—	78	M22	51.5	29.5	—	309C(CE)	
UCFL 210	50	197	157	18	40	19	115	54.6	51.6	19	66	71	M16	35.5	23.2	210C(E)	210C(CE)	
UCFL X10	50	216	184	20	44	19	133	59.4	55.6	22.2	70	—	M16	43	29.4	X10C(E)	—	
UCFL 310	50	240	187	19	48	25	140	67	61	22	—	85	M22	61.5	38.2	—	310C(CE)	
UCFL 211	55	224	184	20	43	19	130	58.4	55.6	22.2	69	75	M16	43	29.4	211C(E)	211C(CE)	
UCFL 311	55	250	198	20	52	25	150	71	66	25	—	90	M22	71.5	44.8	—	311C(CE)	
UCFL 212	60	250	202	20	48	23	140	68.7	65.1	25.4	80	86	M20	52.5	36.1	212C(E)	212C(CE)	
UCFL 312	60	270	212	22	56	31	160	78	71	26	—	98	M27	81.5	52	—	312C(CE)	
UCFL 213	65	258	210	24	50	23	155	69.7	65.1	25.4	81	89	M20	57.5	40	213C(E)	213C(CE)	
UCFL 313	65	295	240	25	58	31	175	78	75	30	—	103	M27	92.5	59.4	—	313C(CE)	
UCFL 214	70	265	216	24	54	23	160	75.4	74.6	30.2	—	98	M20	62	44	—	214C(CE)	
UCFL 314	70	315	250	28	61	35	185	81	78	33	—	106	M30	104	68	—	314C(CE)	
UCFL 215	75	275	225	24	56	23	165	78.5	77.8	33.3	—	102	M20	66	48.2	—	215C(CE)	
UCFL 315	75	320	260	30	66	35	195	89	82	32	—	114	M30	114	76.9	—	315C(CE)	
UCFL 216	80	290	233	24	58	25	180	83.3	82.6	33.3	—	107	M22	72.5	53	—	216C(CE)	
UCFL 316	80	355	285	32	68	38	210	90	86	34	—	115	M33	123	86.4	—	316C(CE)	
UCFL 217	85	305	248	26	63	25	190	87.6	85.7	34.1	—	111	M22	83.5	61.8	—	217C(CE)	
UCFL 317	85	370	300	32	74	38	220	100	96	40	—	126	M33	132	96.5	—	317C(CE)	
UCFL 218	90	320	265	26	68	25	205	96.3	96	39.7	—	122	M22	95.5	71.4	—	218C(CE)	
UCFL 318	90	385	315	36	76	38	235	100	96	40	—	128	M33	143	107.2	—	318C(CE)	
UCFL 319	95	405	330	40	94	41	250	121	103	41	—	149	M36	153	118.4	—	319C(CE)	
UCFL 320	100	440	360	40	94	44	270	125	108	42	—	154	M39	173	140.4	—	320C(CE)	
UCFL 321	105	440	360	40	94	44	270	127	112	44	—	156	M39	183	153.1	—	321C(CE)	

* Please inquire about dimensions greater than UCF322. Grease nipples with a bore diameter number of 13 and under are 1/4-28UNF; those with a bore diameter of 14 and above are PF1/8.

LAMPIRAN 2: DATA UTAMA STANDAR V-BELTS

V-Belts

Sizes of belts	(sizes in Fig. 121)										sizes in Fig.		
	O	A	B	C	D	E	F	I	2	3			
F in cm^2	0.5	0.8	1.4	2.3	4.8	7.0	11.7	1.1	1.2	1.6			
with the min or max	500*	500*	630*	1,800	3,150	4,500	6,300	560*	560*	900*			
if belt	2,500	4,000	6,300	9,000	11,000	14,000	14,000	1,120*	1,400*	1,400*			
when design height of belt in	25	33	40	55	76	95	120	38	42	46			
table design pulleys in mm	63	90	125	200	315	500	800	80	90	105			
formula a	23	25	28	30	32	32	32						
w	100	120	180	215	280	350	440						
ended veloc-	25	25	25	25	30	30	30	30	30	30			
a_d in mm	8.5	11	14	19	27	32	42						
e	10	12.5	16	21	28.5	34	43						
c	2.5	3.5	5	6	8.5	10	12.5						
pulley t	12	16	20	26	37.5	44.5	58						
s	8	10	12.5	17	24	29	38						
φ^0	34-40			36-40			38-40						

of groove (φ) is selected depending on the pulley diameter; a lesser angle corresponds to a lesser di

LAMPIRAN 3: PANJANG V-BELT STANDAR

Nomor nominal		Nomor nominal		Nomor nominal		Nomor nominal	
(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)
10	254	45	1143	80	2032	115	2921
11	279	46	1168	81	2057	116	2946
12	305	47	1194	82	2083	117	2972
13	330	48	1219	83	2108	118	2997
14	356	49	1245	84	2134	119	3023
15	381	50	1270	85	2159	120	3048
16	406	51	1295	86	2184	121	3073
17	432	52	1321	87	2210	122	3099
18	457	53	1346	88	2235	123	3124
19	483	54	1372	89	2261	124	3150
20	508	55	1397	90	2286	125	3175
21	533	56	1422	91	2311	126	3200
22	559	57	1448	92	2337	127	3226
23	584	58	1473	93	2362	128	3251
24	610	59	1499	94	2388	129	3277
25	635	60	1524	95	2413	130	3302
26	660	61	1549	96	2438	131	3327
27	686	62	1575	97	2464	132	3353
28	711	63	1600	98	2489	133	3378
29	737	64	1626	99	2515	134	3404
30	762	65	1651	100	2540	135	3429
31	787	66	1676	101	2565	136	3454
32	813	67	1702	102	2591	137	3480
33	838	68	1727	103	2616	138	3505
34	864	69	1753	104	2642	139	3531
35	889	70	1778	105	2667	140	3556
36	914	71	1803	106	2692	141	3581
37	940	72	1829	107	2718	142	3607
39	965	73	1854	108	2743	143	3632
39	991	74	1880	109	2769	144	3658
40	1016	75	1905	110	2794	145	3683
41	1041	76	1930	111	2819	146	3708
42	1067	77	1956	112	2845	147	3734
43	1092	78	1981	113	2870	148	3759
44	1118	79	2007	114	2896	149	3785

LAMPIRAN 4: FAKTOR KOREKSI SUDUT KONTAK

d_p	Sudut kontak puli kecil $\theta(^{\circ})$	Faktor kor
0	180	1,00
0	174	0,95
0	169	0,9
0	163	0,9
0	157	0,9
0	151	0,9
0	145	0,9
0	139	0,8
0	133	0,8
0	127	0,8
0	120	0,8
0	113	0,8
0	106	0,8
0	99	0,8
0	91	0,8
0	83	0,8

LAMPIRAN 5: DATA STANDAR BAHAN V-BELTS

	Leather	Rubber canvas	Solid-woven cotton	Woven woollen	Interst rub
	20-300	20-500	30-250	50-500	20-
	Single 3-5.5, double 7.5-10	2.5-13.5	4.5-6.5-8.5	6-9-11	1.75-
ngtn in kg/cm ²	200	440 (without layers), 370 (with layers)	350-405	300	30
	10% at 100 kg/cm ²	18% at rupture	20-25% at rupture	60% at rupture	16% a
ended	35	40	30-40	30	
le	25	30	25-35	25	
ximum velocity	40	20-30	25	30	
kg/dm ³	0.98	1.25-1.50	0.75-1.05	0.90-1.24	
<i>a</i>	29	25	21	18	
<i>w</i>	300	100	150	150	
<i>E_f</i> in kg/cm ²	1,000-1,500	800-1,200	300-600	—	1,0

LAMPIRAN 6: KECEPATAN POTONG DAN SUDUT UTAMA BOR