

## LAMPIRAN

### A. SPESIFIKASI MESIN PEMIPIL JAGUNG

NO.	SPESIFIKASI MESIN PEMIPIL JAGUNG
1.	Kapasitas Input (Q) = 350 kg/jam
2.	Motor Penggerak = Motor Bensin 4 Tak (OHV)
3.	Torsi Pisau Pemipil = 33,61 Nm
4.	Daya (P) = 5,5 Hp
5.	Putaran maksimal = 3600 rpm
6.	Putaran pisau pemipil = 1000 rpm

## B. PERINCIAN BIAYA FABRIKASI ALAT PEMIPIL JAGUNG

No	Macam Pengeluaran	Harga per Satuan (Rp)	Jumlah	Harga (Rp)
<b>a. Harga Material</b>				
1.	Motor bensin 5.5 HP	1.400.000	1	1.400.000
2.	Besi Siku 40 x 40	185.000	2	370.000
3.	Besi Hollow 40x 40 x x 1.6 mm	175.000	2	350.000
4.	Besi UNP 50 x 40 x 5 mm	285.000	2	570.000
5.	Besi Beton Dia 10 mm	75.000	2	150.000
6.	AS ST 40 Dia 1 inch	220.000	1	220.000
7.	Pillow Bloks UCP 205	75.000	2	150.000
8.	Mur Baut 5/8 inch x 2 inch	12.500	4	50.000
9.	Engsel Bubut Dia 1 inch	17.500	2	35.000
10.	Plat Mild steel plate thk 1.2 mm	375.000	1	375.000
11.	Primary Coating	125.000	1	125.000
12.	Cat Hammertone Medium Green	75.000	1	75.000
13.	Thinner	17.000	4	68.000
14.	Pipa Dia 4 inch SCH 10	250.000	1	250.000
15.	Bubut Flens Roll Dia 4 inch	175.000	1	175.000
16.	Gerinda/kawat las	150.000	1	150.000
<b>b. Biaya Manufactur</b>				
17.	Biaya las	500.000		500.000
18.	Biaya transportasi	550.000		550.000
19.	Biaya cat dan fabrikasi	450.000		450.000
Jumlah Total Biaya ( Enam Juta Tiga Belas Ribu Rupiah)				6.013.000

NB : Dana ini ditanggung oleh satu kelompok

## C. TABEL PULLEY V TIPE A

D ( mm )	$\alpha$ ( ° )	t ( mm )	a ( mm )
65 – 100	34	12	12
101 – 125	36	12	12
126 >	38	12	12

<http://gambarteknik.blogspot.com>

**D. TABEL PULLEY V TIPE B**

D ( mm )	$\alpha$ ( ° )	t ( mm )	a ( mm )
115 – 160	34	15	16/19
161 – 200	36	15	16/19
201 >	38	15	16/19

<http://gambar teknik.blogspot.com>

**E. TABEL PULLEY V TIPE C**

D ( mm )	$\alpha$ ( ° )	t ( mm )	a ( mm )
175 – 250	34	19	20/23
251 – 315	36	19	20/23
316 >	38	19	20/23

<http://gambar teknik.blogspot.com>

**F. TABEL PULLEY V TIPE D**

D ( mm )	$\alpha$ ( ° )	t ( mm )	a ( mm )
300 – 450	36	25	30
451 >	38	25	30

**G. TABEL PULLEY V TIPE 3V/9N/9J**

D ( mm )	$\alpha$ ( ° )	t ( mm )	a ( mm )
67 – 90	36	10	8
91 – 150	38	10	8

151 – 305	40	10	8
306>	42	10	8

Sumber : <http://gambar teknik.blogspot.com>

#### H. TABEL PULLEY V TIPE 5V/15N/15J

D ( mm )	$\alpha$ ( ° )	t ( mm )	a ( mm )
180 – 255	38	15	14
256 – 405	40	15	14
406>	42	15	14

Sumber : <http://gambar teknik.blogspot.com>

#### I. TABEL PULLEY V TIPE 8V/25N/25J

D ( mm )	$\alpha$ ( ° )	t ( mm )	a ( mm )
315 – 405	38	25	23
406 – 570	40	25	23
571>	42	25	23

Sumber : <http://gambar teknik.blogspot.com>

#### J. Tabel Tipe V-belt

<i>Type of belt</i>	<i>Power ranges in kW</i>	<i>Minimum pitch diameter of pulley (D) mm</i>
<i>A</i>	0.7 – 3.5	75
<i>B</i>	2 – 15	125
<i>C</i>	7.5 – 75	200
<i>D</i>	20 – 150	355
<i>E</i>	30 – 350	500

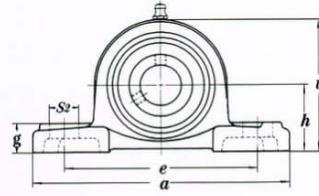
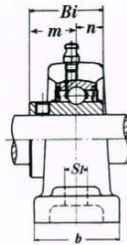
Sumber : A Textbook of Machine Design. CH-20 V-belt, Hal 729

**K. Tabel Ukuran pillow blok ball bearing**

# Pillow Block Ball Bearings



## UCP 200 (normal-duty)



Unit No.	Shaft Dia d (mm)	Dimensions(mm)											Bolt Used (mm)	Bearing No.	Housing No.	Weight (kg)	Covers (mm) t
		h	a	e	b	S2	S1	g	w	Bi	n	m					
UCP 201	12													UC 201			
201-8	15	30.2	127	95	38	19	13	13	60	31.0	12.7	18.3	10	UC 201-8	P202	0.61	44
202														202			
202-10														202-10			
203	17													203			
UCP 204-12	20	33.3	127	95	38	19	13	15	64	31.0	12.7	18.3	10	204-12	P204	0.66	44
204														204			
UCP 205-14	25	36.5	140	105	38	19	13	16	71	34.0	14.3	19.7	10	UC 205-14	P205	0.8	48
205-15														205-15			
205														205			
205-16														205-16			
UCP 206-18	30	42.9	165	121	48	21	17	18	84	38.1	15.9	22.2	14	UC 206-18	P206	1.3	52
206														206			
206-19														206-19			
206-20														206-20			
UCP 207-20	35	47.6	167	127	48	21	17	19	93	42.9	17.5	25.4	14	UC 207-20	P207	1.6	59
207-21														207-21			
207-22														207-22			
207														207			
207-23														207-23			
UCP 208-24	40	49.2	184	137	54	22	17	19	98	49.2	19.0	30.2	14	UC 208-24	P208	2.0	68
208-25														208-25			
208														208			
UCP 209-26	45	54.0	190	146	54	22	17	20	106	49.2	19	30.2	14	UC 209-26	P209	2.2	68
209-27														209-27			
209-28														209-28			
209														209			
UCP 210-30	50	57.2	206	159	60	25	20	22	113	51.6	19.0	32.6	16	UC 210-30	P210	2.9	73
210-31														210-31			
210														210			
UCP 211-32	55	63.5	219	171	60	25	20	22	125	55.6	22.2	33.4	16	UC 211-32	P211	3.6	75
211-34														211-34			
211														211			
211-35														211-35			
UCP 212-36	60	69.8	241	184	70	25	20	25	138	65.1	25.4	39.7	16	UC 212-36	P212	4.9	88
212														212			
212-38														212-38			
212-39														212-39			
UCP 213-40	65	76.2	265	203	70	29	25	27	150	65.1	25.4	39.7	20	UC 213-40	P213	5.9	88
213														213			
UCP 214-44	70	79.4	266	210	72	31	25	27	156	74.6	30.2	44.4	20	UC 214-44	P214	6.8	98
214														214			
UCP 215	75	82.6	275	217	74	31	25	28	162	77.8	33.3	44.5	20	UC 215	P215	7.4	98
215-48														215-48			
UCP 216	80	88.9	292	232	78	31	25	30	174	82.6	33.3	49.3	20	UC 216	P216	9.0	108
UCP 217-52	85	95.2	310	247	83	31	25	32	185	85.7	34.1	51.6	20	UC 217-52	P217	10.8	112
217														217			
UCP 218-56	90	101.6	327	262	88	33	27	34	198	96.0	39.7	56.3	22	UC 218-56	P218	13.9	122
218														218			

Sumber : Sularso & Kiyokadsu Suga, 1990

**L. Tabel Pasak menurut standar JIS**

Ukuran nominal (b x h) mm	Ukuran pasak prismatis mm	C mm	L mm	h <sub>1</sub> mm	h <sub>2</sub> mm	Diameter mm
2 x 2	2	0,16- 0,25	6-20	1,2	1,0	6-8
3 x 3	3		6-36	1,8	1,4	8-10
4 x 4	4		8-48	2,5	1,8	10-12
5 x 5	5		10-56	3,0	2,3	12-17
6 x 6	6		14-70	3,5	2,8	17-22
7 x 7	7	0,25- 0,40	16- 80	4,0	3,0	20-25
8 x 7	7		18-90	4,0	3,3	22-30
10x 8	8		22-110	5,0	3,3	30-38
12 x 8	8		28-140	5,0	3,3	38-44
14 x 9	9		36-160	5,5	3,8	44-50
14 x 10	10	0,40- 0,60	40-180	5,0	5,0	50-55
16 x 10	10		45-180	6,0	4,3	50-58
18 x 11	11		50-200	7,0	4,4	58-65
20 x 12	12		56-220	7,5	4,9	65-75

22 x 14	14		63-250	9,0	5,4	75-85
24x16	16	0,60-0,80	70-280	8,0	8,0	80-90
25x14	14		70-280	9,0	5,4	85-95
28x16	16		80x320	10,0	6,4	95-110
32x18	18		90x360	11,0	7,4	110-130