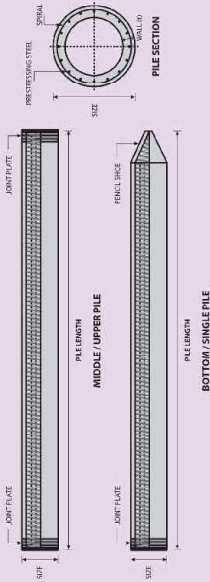


Lampiran 3. Katalog Tiang Pancang PT. WIKA BETON

PILE SHAPE & SPECIFICATION | PRESTRESSED CONCRETE SPUN SQUARE PILES



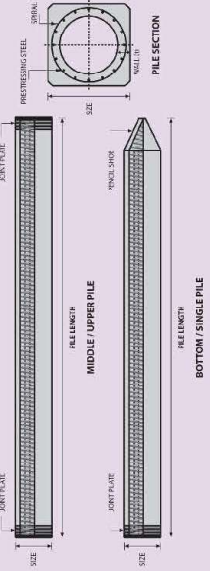
PRESTRESSED CONCRETE SPUN PILES SPECIFICATION

Concrete Compressive Strength $f_c = 52 \text{ MPa}$ (Cube 600 kg/cm^2)

Size (mm)	Thickness Wall (t)	Cross Section (cm ²)	Section Inertia (cm ⁴)	Unit Weight (kg/m)	Class	Bending Moment Crack* Ultimate (tonm)	Allowable Compression (ton)	Decompression Tension (ton)**	Length of Pile*** (m)
300	60	452.39	34,607.78	113	A2	3,50	72,60	23.11	6-12
	65	581.98	63,162.74	145	A3	4,50	70,75	23.86	6-13
	70	749.49	100,107.46	187	C	6,00	65,40	40.46	6-14
350	65	581.98	63,162.74	145	A1	3,50	93.10	30.76	6-13
	70	749.49	100,107.46	187	B	4,50	86.50	32.54	6-14
	75	958.25	139,512.46	242	B	6,00	85.00	40.93	6-15
400	75	765.76	106,488.95	191	A2	5,50	82.25	38.62	6-14
	80	1,009.13	194,159	277	A3	6,50	117.60	45.51	6-15
	85	1,284.25	282,829.25	372	C	7,50	118.40	70.27	6-16
450	80	929.91	166,570.33	232	A1	7,50	119.25	49.50	6-14
	85	1,284.25	282,829.25	372	A2	8,50	145.80	53.39	6-15
	90	1,679.25	419,107.25	483	A3	10,00	143.80	66.57	6-16
500	90	1,159.25	255,324.33	290	B	11,00	139.10	78.84	6-17
	95	1,484.25	382,829.25	400	C	12,50	134.90	100.45	6-18
	100	1,859.25	510,508.81	393	A1	17,00	252.70	70.52	6-16
600	100	1,570.80	510,508.81	393	A2	19,00	249.00	77.68	6-17
	105	1,945.80	648,107.80	462	A3	22,00	243.20	104.94	6-18
	110	2,320.80	795,107.80	531	B	25,00	238.30	131.10	6-19
800	120	2,563.54	1,527,869.60	641	A1	29,00	58.00	163.67	6-20
	125	3,013.54	1,852,869.60	761	A2	40,00	60.00	119.34	6-20
	130	3,463.54	2,177,869.60	881	A3	46,00	69.00	151.02	6-21
1000***	140	3,782.48	3,589,571.20	946	A1	51,00	76.50	171.18	6-22
	145	4,157.48	4,157,571.20	1,066	B	55,00	99.00	388.61	6-23
	150	4,532.48	4,735,571.20	1,186	C	65,00	130.00	368.17	6-24
1200***	150	4,948.01	6,958,136.85	1,227	A1	75,00	112.50	169.81	6-22
	155	5,418.01	8,018,136.85	1,347	A2	82,00	123.00	601.27	6-23
	160	5,888.01	9,078,136.85	1,467	A3	93,00	139.50	589.66	6-24
1400***	150	4,948.01	6,958,136.85	1,227	B	165,00	189.00	575.33	6-24
	155	5,418.01	8,018,136.85	1,347	C	120,00	240.00	555.23	6-24
	160	5,888.01	9,078,136.85	1,467	A1	120,00	180.00	802.80	6-24
1600***	150	4,948.01	6,958,136.85	1,227	A2	130,00	195.00	794.50	6-24
	155	5,418.01	8,018,136.85	1,347	A3	145,00	217.50	778.60	6-24
	160	5,888.01	9,078,136.85	1,467	B	170,00	306.00	751.90	6-24
1800***	150	4,948.01	6,958,136.85	1,227	C	200,00	400.00	721.50	6-24

Note : *) Crack Moment Based on JIS A 5335-1987 (Prestressed Spun Concrete Piles)
 **) Length of pile may exceed usual standard whenever lifted in certain position
 ***) Type of Shoe for Bottom Pile is Mammia Shoe

PILE SHAPE & SPECIFICATION | PRESTRESSED CONCRETE SPUN SQUARE PILES



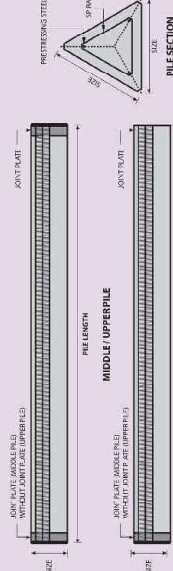
PRESTRESSED CONCRETE SPUN SQUARE PILES SPECIFICATION

Concrete Compressive Strength $f_c = 52 \text{ MPa}$ (Cube 600 kg/cm^2)

Size (mm)	Thickness Wall (t)	Cross Section (cm ²)	Section Inertia (cm ⁴)	Unit Weight (kg/m)	Class	Bending Moment Crack* Ultimate (tonm)	Allowable Compression (ton)	Decompression Tension (ton)**	Length of Pile*** (m)
400X400	75	1109.13	194,159	277	A2	6,50	10,00	182.63	6-13
	80	1,364.43	307,000	341	A3	8,00	12,00	180.62	6-14
	85	1,619.73	419,841	405	B	10,00	18,00	173.15	6-15
450X450	80	1,364.43	307,000	341	A1	8,50	12,50	227.01	6-13
	85	1,619.73	419,841	405	A2	11,00	22,00	199.49	6-16
	90	1,875.03	532,682	469	A3	13,00	20,90	222.95	6-15
500X500	85	1,619.73	419,841	405	B	13,50	24,00	215.32	6-16
	90	1,875.03	532,682	469	C	15,50	31,00	208.10	6-16

Note : *) Length of pile may exceed usual standard whenever lifted in certain position

PILE SHAPE & SPECIFICATION | PRESTRESSED CONCRETE TRIANGULAR PILES



PRESTRESSED CONCRETE TRIANGULAR PILES SPECIFICATION

Concrete Compressive Strength $f_c = 42 \text{ MPa}$ (Cube 500 kg/cm^2)

Size (mm)	Cross Section (cm ²)	Section Inertia (cm ⁴)	Unit Weight (kg/m)	Class	Bending Moment Crack* Ultimate (tonm)	Allowable Compression (ton)	Length of Pile*** (m)
280	318.7	9,050.50	79.7	A	0.66	0.92	42.26
320	422.6	16,188.90	105.7	B	0.50	1.77	39.50
				C	0.89	1.11	57.02
360	526.5	23,377.80	121.4	B	1.20	2.15	54.10
				C	1.77	1.41	81.00

Note : *) Length of pile may exceed usual standard whenever lifted in certain position