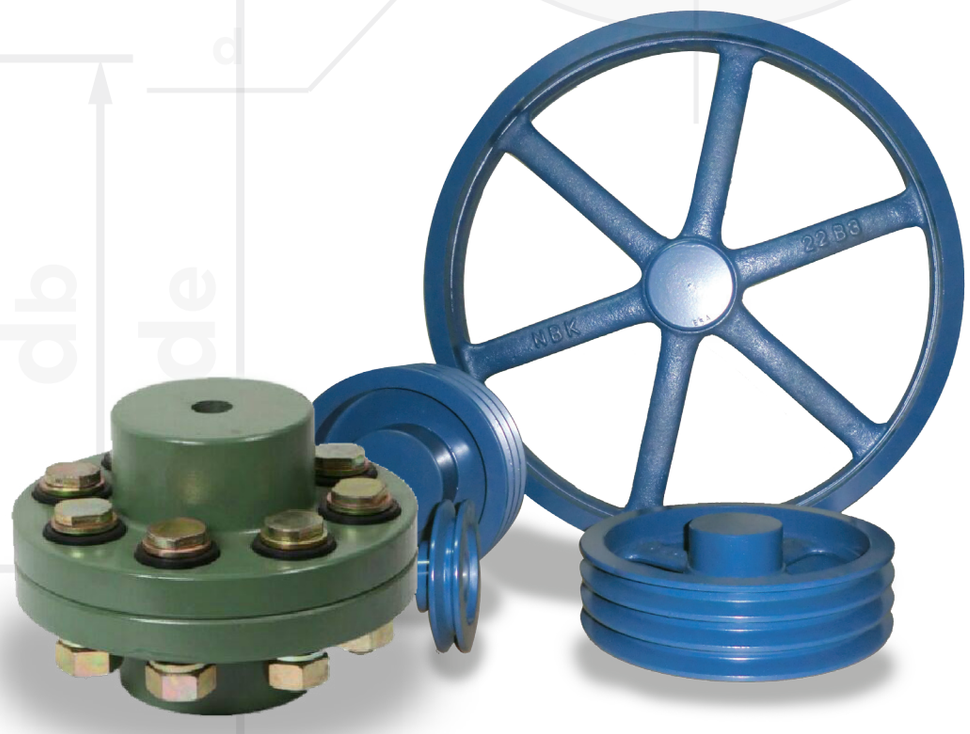
HIMALAYA

NBK®

STANDARD V-PULLEY & FLEXIBLE SHAFT COUPLING



NBK® Standard V-Pulley

NBK® The Most Reliable Brand Name

NBK® Standard V-Pulleys have been regarded as ones with the best and most reliable quality since 1950 when we standardized them in Japan for the industries. Our incessant innovation for the manufacturing process, molding, pouring, machining, balancing and coating, have been taken the state of art quality into reality.

FC 200 Quality Castings

Castings for NBK® Standard V-Pulleys are produced in our modernized foundry. The quality of cast iron is maintained by Electric Induction Furnaces and Automatic Molding Machines.

High Precision Machining

NBK® Standard V-Pulleys are precisely machined by Automatic Lathes.

Well Balancing

NBK® Standard V-Pulleys are well balanced by Static Balancing Machine and free from vibration or noise due to unbalance of pulleys.

Baking Paint

NBK® Standard V-Pulleys are painted in dark blue colour and baked in an oven. The baking paint realizes a strong and rust-free finish.

Bore & Keyway

In order to guarantee the final quality of NBK® Standard V-Pulleys, we can finish a bore and a keyway in accordance with the specified dimensions and tolerances. A keyway is finished speedy, precisely and economically by Broaching Machine.

How To Order

Please specify the nominal diameter, groove section and number of grooves when ordering. Nominal diameter is outside diameter in inch.

10 — A — 2

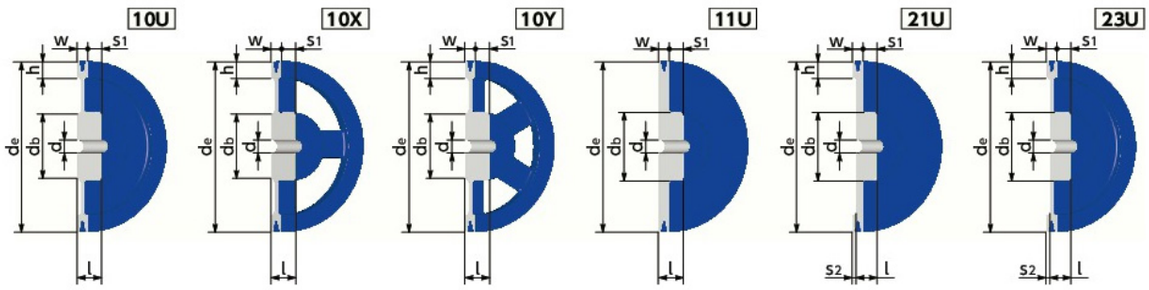
- 10: Nominal Diameter
- A: Groove Section
- 2: Number of Grooves

Type

S : 3 Arm Type
U : Solid Type
X : 4 Arm Type
Y : 6 Arm Type

In accordance with our established policy to constantly improve our products, the specifications contained herein are subject to change without notice.

NBK® Standard V-Pulleys are produced by PT. Himalaya Nabeya Indonesia under the license of Nabeya Bi-tech Kaisha



A-1 w = 20

unit : mm

Catalog Number		dp	de	Type	Hub				Max Bore	Mass (kg)
					db	l	S1	S2		
2	A1	41.8	50.8	11U	37	33	13		14	0.3
2 1/2	A1	54.5	63.5	11U	41	36	16		21	0.5
3	A1	67.2	76.2	21U	44	24	17	13	25	0.6
3 1/2	A1	79.9	88.9	21U	44	24	19	15	25	0.7
4	A1	92.6	101.6	21U	48	28	19	11	25	0.9
4 1/2	A1	105.3	114.3	23U	50	28	15	7	28	1.0
5	A1	118.0	127.0	23U	50	30	17	7	28	1.2
5 1/2	A1	130.7	139.7	23U	50	30	17	7	28	1.4
6	A1	143.4	152.4	20X	50	30	12	2	28	1.3
6 1/2	A1	156.1	165.1	20X	52	30	12	2	28	1.4
7	A1	168.8	177.8	20X	55	30	12	2	30	1.6
8	A1	194.2	203.2	20X	55	30	12	2	30	1.9
9	A1	219.6	228.6	20X	55	30	12	2	30	2.1
10	A1	245.0	254.0	10X	61	32	12		32	2.5
11	A1	270.4	279.4	10X	61	32	12		32	2.7
12	A1	295.8	304.8	10X	61	32	12		32	3.0
13	A1	321.2	330.2	10X	61	35	15		32	3.4
14	A1	346.6	355.6	10X	68	35	15		38	3.8
15	A1	372.0	381.0	10X	68	37	17		38	4.1
16	A1	397.4	406.4	10X	70	37	17		38	4.5
18	A1	448.2	457.2	10X	76	37	17		42	5.2
20	A1	499.0	508.0	10X	76	37	17		42	5.9
22	A1	549.8	558.8	10Y	76	43	23		42	7.9
24	A1	600.6	609.6	10Y	76	45	25		42	9.6

A-2 w = 36

unit : mm

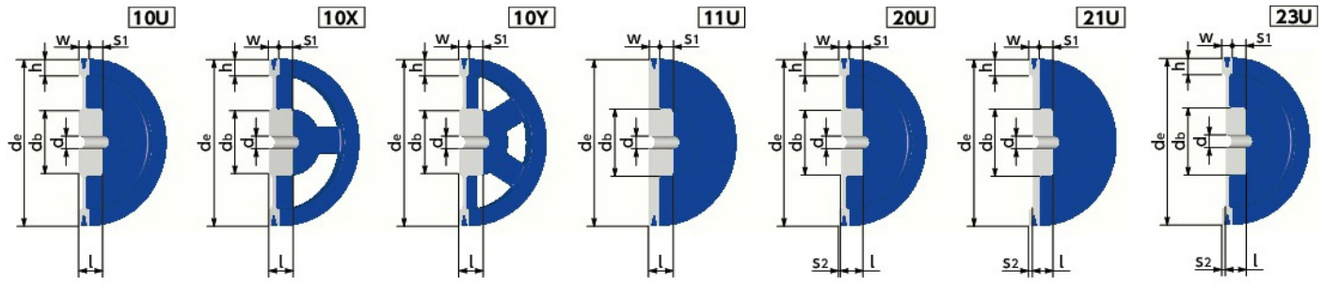
Catalog Number		dp	de	Type	Hub				Max Bore	Mass (kg)
					db	l	S1	S2		
2	A2	41.8	50.8	11U	37	58	22		14	0.5
2 1/2	A2	54.5	63.5	11U	43	55	19		21	0.8
3	A2	67.2	76.2	21U	44	30	19	25	24	0.8
3 1/2	A2	79.9	88.9	21U	47	30	19	25	25	1.0
4	A2	92.6	101.6	21U	50	30	19	25	28	1.3
4 1/2	A2	105.3	114.3	21U	57	30	19	25	32	1.6
5	A2	118.0	127.0	22U	57	30	19	25	32	1.7
5 1/2	A2	130.7	139.7	22U	63	30	19	25	35	2.0
6	A2	143.4	152.4	22U	63	30	19	25	35	2.2
6 1/2	A2	156.1	165.1	22U	63	30	19	25	35	2.4
7	A2	168.8	177.8	20X	69	38	10	8	38	2.7
8	A2	194.2	203.2	20X	69	38	10	8	38	3.1
9	A2	219.6	228.6	20X	69	38	8	6	38	3.5
10	A2	245.0	254.0	20X	69	38	8	6	38	3.8
11	A2	270.4	279.4	20X	75	38	8	6	42	4.3
12	A2	295.8	304.8	20X	75	36	6	6	42	4.6
13	A2	321.2	330.2	20X	74	36	6	6	40	5.1
14	A2	346.6	355.6	50X	77	35		0.5	42	5.5
15	A2	372.0	381.0	50X	80	35		0.5	42	6.0
16	A2	397.4	406.4	50X	80	35		0.5	42	6.4
18	A2	448.2	457.2	30Y	80	36			42	8.0
20	A2	499.0	508.0	30Y	80	36			42	9.1
22	A2	549.8	558.8	30Y	80	36			42	10.2
24	A2	600.6	609.6	60Y	84	39	1.5		45	11.6

A-3 w = 52

unit : mm

Catalog Number		dp	de	Type	Hub				Max Bore	Mass (kg)
					db	l	S1	S2		
2 1/2	A3	54.5	63.5	11U	47	71	19		21	1.1
2	A3	67.2	76.2	21U	48	32	19	39	25	1.1
3 1/2	A3	79.9	88.9	21U	50	32	19	39	28	1.3
4	A3	92.6	101.6	21U	57	32	19	39	32	1.7
4 1/2	A3	105.3	114.3	21U	57	32	19	39	32	2.0
5	A3	118.0	127.0	22U	59	32	19	39	32	2.1
5 1/2	A3	130.7	139.7	22U	63	32	19	39	35	2.4
6	A3	143.4	152.4	22U	63	32	19	39	35	2.7
6 1/2	A3	156.1	165.1	22U	63	32	19	39	35	2.9
7	A3	168.8	177.8	20X	75	52	12	12	42	3.9
8	A3	194.2	203.2	20X	75	52	12	12	42	4.4
9	A3	219.6	228.6	20X	75	50	10	12	42	4.8
10	A3	245.0	254.0	20X	75	50	10	12	42	5.2
11	A3	270.4	279.4	20X	75	50	10	12	42	5.7
12	A3	295.8	304.8	20X	75	50	8	10	42	6.1
13	A3	321.2	330.2	20X	80	50	8	10	42	6.9
14	A3	346.6	355.6	50X	80	42		5	42	7.2
15	A3	372.0	381.0	50X	86	42		5	48	7.9
16	A3	397.4	406.4	50X	86	42		5	48	8.9
18	A3	448.2	457.2	50Y	86	42		5	48	10.1
20	A3	499.0	508.0	50Y	86	44		4	48	11.5
22	A3	549.8	558.8	50Y	87	45		3.5	48	12.5
24	A3	600.6	609.6	50Y	92	48		2	50	15.3

NBK® Standard V-Pulley



B-1 w = 24

unit : mm

Catalog Number		dp	de	Type	Hub				Max Bore	Mass (kg)
					db	l	S1	S2		
2 1/2	B1	52.5	63.5	11U	42	43	19		18	0.6
3	B1	65.2	76.2	21U	44	25	19	18	24	0.6
3 1/2	B1	77.9	88.9	21U	44	25	19	18	24	0.7
4	B1	90.6	101.6	21U	50	28	19	15	28	1.0
4 1/2	B1	103.3	114.3	23U	50	30	15	9	28	1.2
5	B1	116.0	127.0	23U	50	30	15	9	28	1.3
5 1/2	B1	128.7	139.7	23U	50	30	15	9	28	1.5
6	B1	141.4	152.4	23U	50	30	15	9	28	1.6
6 1/2	B1	154.1	165.1	20X	56	30	8	2	30	1.6
7	B1	166.8	177.8	10X	60	30	6		32	1.9
8	B1	192.2	203.2	10X	60	30	6		32	2.2
9	B1	217.6	228.6	10X	60	30	6		32	2.4
10	B1	243.0	254.0	10X	64	34	10		35	2.9
11	B1	268.4	279.4	10X	64	34	10		35	3.2
12	B1	293.8	304.8	10X	64	34	10		35	3.4
13	B1	319.2	330.2	10X	64	38	14		35	4.0
14	B1	344.6	355.6	10X	70	40	16		38	4.5
15	B1	370.0	381.0	10X	74	40	16		40	4.9
16	B1	395.4	406.4	10X	74	40	16		40	5.2
18	B1	446.2	457.2	10X	80	40	16		42	6.1
20	B1	497.0	508.0	10Y	80	40	16		42	8.0
22	B1	547.8	558.8	10Y	76	45	21		42	9.8
24	B1	598.6	609.6	10Y	76	45	21		42	10.8

B-2 w = 44

unit : mm

Catalog Number		dp	de	Type	Hub				Max Bore	Mass (kg)
					db	l	S1	S2		
2 1/2	B2	52.5	63.5	11U	41	63	19		18	0.8
3	B2	65.2	76.2	21U	44	32	19	31	24	0.9
3 1/2	B2	77.9	88.9	21U	50	32	19	31	28	1.2
4	B2	90.6	101.6	21U	50	32	19	31	28	1.5
4 1/2	B2	103.3	114.3	21U	57	32	19	31	32	1.8
5	B2	116.0	127.0	22U	57	37	19	26	32	2.0
5 1/2	B2	128.7	139.7	22U	63	37	19	26	35	2.4
6	B2	141.4	152.4	22U	63	40	19	23	35	2.7
6 1/2	B2	154.1	165.1	22U	63	40	19	23	35	3.1
7	B2	166.8	177.8	20X	76	46	12	10	42	3.6
8	B2	192.2	203.2	20X	76	46	12	10	42	4.0
9	B2	217.6	228.6	20X	76	44	10	10	42	4.4
10	B2	243.0	254.0	20X	76	44	10	10	42	4.9
11	B2	268.4	279.4	20X	76	44	10	10	42	5.3
12	B2	293.8	304.8	20X	82	42	8	10	45	6.0
13	B2	319.2	330.2	20X	82	42	8	10	45	6.4
14	B2	344.6	355.6	50X	82	40		2	45	6.9
15	B2	370.0	381.0	50X	82	40		2	45	7.4
16	B2	395.4	406.4	50Y	86	40		2	48	8.2
18	B2	446.2	457.2	50Y	86	40		2	48	9.2
20	B2	497.0	508.0	50Y	87	40		2	48	10.6
22	B2	547.8	558.8	50Y	87	40		2	48	12.2
24	B2	598.6	609.6	60Y	92	50	3		50	14.3

B-3 w = 64

unit : mm

Catalog Number		dp	de	Type	Hub				Max Bore	Mass (kg)
					db	l	S1	S2		
3	B3	65.2	76.2	21U	50	35	19	48	25	1.3
3 1/2	B3	77.9	88.9	21U	50	35	19	48	28	1.6
4	B3	90.6	101.6	21U	57	35	19	48	32	2.0
4 1/2	B3	103.3	114.3	21U	63	35	19	48	35	2.4
5	B3	116.0	127.0	21U	63	42	20	42	35	3.1
5 1/2	B3	128.7	139.7	22U	69	42	20	42	38	3.2
6	B3	141.4	152.4	22U	69	42	22	44	38	3.5
6 1/2	B3	154.1	165.1	22U	69	42	22	44	38	3.9
7	B3	166.8	177.8	20X	76	57	12	19	42	4.6
8	B3	192.2	203.2	20X	76	57	12	19	42	5.3
9	B3	217.6	228.6	20X	76	55	10	19	42	5.8
10	B3	243.0	254.0	20X	76	55	10	19	42	6.4
11	B3	268.4	279.4	20X	76	55	10	19	42	7.0
12	B3	293.8	304.8	20X	82	53	8	19	45	7.7
13	B3	319.2	330.2	20X	82	53	8	19	45	8.4
14	B3	344.6	355.6	50X	88	45		9.5	48	8.8
15	B3	370.0	381.0	50Y	88	45		9.5	48	10.1
16	B3	395.4	406.4	50Y	88	50		7	48	10.9
18	B3	446.2	457.2	50Y	90	50		7	50	12.9
20	B3	497.0	508.0	50Y	90	50		7	50	14.3
22	B3	547.8	558.8	50Y	93	50		7	50	16.3
24	B3	598.6	609.6	60Y	93	50		7	50	17.8

B-4 w = 84

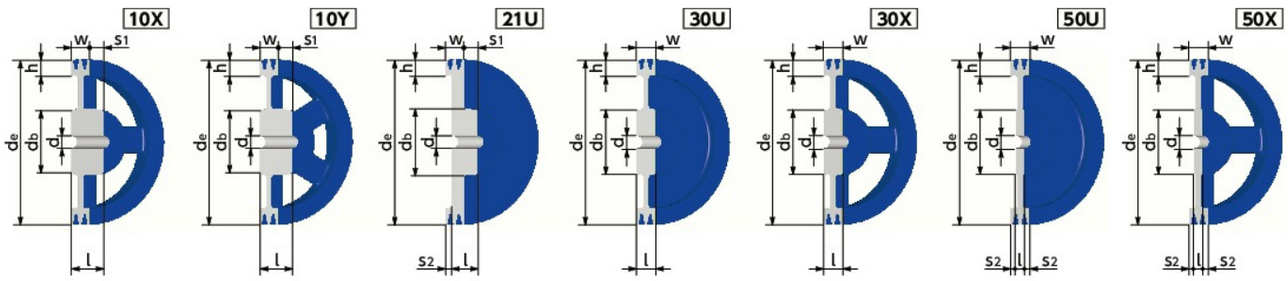
unit : mm

Catalog Number		dp	de	Type	Hub				Max Bore	Mass (kg)
					db	l	S1	S2		
4	B4	90.6	101.6	21U	63	46	19	57	35	2
4 1/2	B4	103.3	114.3	21U	63	46	19	57	35	3
5	B4	116.0	127.0	21U	69	48	22	58	40	4
5 1/2	B4	128.7	139.7	21U	69	48	22	58	38	4
6	B4	141.4	152.4	22U	69	48	22	58	38	4
6 1/2	B4	154.1	165.1	22U	69	50	22	56	38	4
7	B4	166.8	177.8	50X	82	55		14.5	45	5
8	B4	192.2	203.2	50X	82	55		14.5	45	6
9	B4	217.6	228.6	50X	82	55		14.5	45	7
10	B4	243.0	254.0	50X	88	56		14	48	8
11	B4	268.4	279.4	50X	88	57		13.5	48	8
12	B4	293.8	304.8	50X	88	57		13.5	48	9
13	B4	319.2	330.2	50X	88	57		13.5	48	10
14	B4	344.6	355.6	50Y	94	57		13.5	50	11
15	B4	370.0	381.0	50Y	94	58		13	50	12
16	B4	395.4	406.4	50Y	94	58		13	50	13
18	B4	446.2	457.2	50Y	95	58		13	50	15
20	B4	497.0	508.0	50Y	95	58		13	50	16
22	B4	547.8	558.8	50Y	97	62		11	50	19
24	B4	598.6	609.6	50Y	102	62		11	55	21

B-5 w = 104

unit : mm

Catalog Number		dp	de	Type	Hub				Max Bore	Mass (kg)
					db	l	S1	S2		
5	B5	116.0	127.0	21U	69	47	22	79	38	4
5 1/2	B5	128.7	139.7	21U	75	53	22	73	42	5
6	B5	141.4	152.4	22U	75	53	22	73	42	5
6 1/2	B5	154.1	165.1	22U	77	53	24	75	42	6
7	B5	166.8	177.8	50X	85	64		20	45	6
8	B5	192.2	203.2	50X	85	66		19	45	7
9	B5	217.6	228.6	50X	90	66		19	50	9
10	B5	243.0	254.0	50X	95	66		19	50	10
11	B5	268.4	279.4	50X	95	66		19	50	11
12	B5	293.8	304.8	50X	95	66		19	50	11
13	B5	319.2	330.2	50X	95	68		18	50	12
14	B5	344.6	335.6	50Y	97	68		18	50	14
15	B5	370.0	381.0	50Y	97	68		18	50	15
16	B5	395.4	406.4	50Y	100	69		17.5	55	16



C-2 w = ?

unit : mm

Catalog Number		dp	de	Type	Hub				Max Bore	Mass (kg)
					db	l	S1	S2		
5	C2	113.0	127.0	22U	65.0	42.0	22.0	38.0	36.0	3.0
6	C2	138.4	152.4	22U	68.0	42.0	22.0	38.0	37.0	4.1
7	C2	163.8	177.8	20X	74.0	42.0	8.0	8.0	41.0	4.7
8	C2	189.2	203.2	50X	90.0	42.0	8.0	8.0	50.0	5.2
9	C2	214.6	228.6	50X	90.0	42.0	8.0	8.0	50.0	5.9
10	C2	240.0	254.0	50X	90.0	42.0	8.0	8.0	50.0	6.4
11	C2	265.4	279.4	50X	90.0	44.0	7.0	7.0	50.0	7.7
12	C2	290.8	304.8	50X	90.0	44.0	7.0	7.0	50.0	8.3
13	C2	316.2	330.2	50X	90.0	44.0	7.0	7.0	50.0	9.0
14	C2	341.6	355.6	50X	90.0	44.0	7.0	7.0	50.0	10.2
15	C2	367.0	381.0	50X	100.0	44.0	7.0	7.0	55.0	12.2

C-3 w = 84

unit : mm

Catalog Number		dp	de	Type	Hub				Max Bore	Mass (kg)
					db	l	S1	S2		
5	C3	113.0	127.0	56U		48	24	12	48	4.3
5 1/2	C3	125.7	139.7	56U		48	24	12	55	5.3
6	C3	138.4	152.4	56U		48	24	12	60	6.3
6 1/2	C3	151.1	165.1	56U		48	24	12	70	7.4
7	C3	163.8	177.8	56U		48	24	12	75	8.6
8	C3	189.2	203.2	50U	88	60	12		48	7.9
9	C3	214.6	228.6	50U	92	64	10		50	9.4
10	C3	240.0	254.0	50U	92	64	10		50	10.4
11	C3	265.4	279.4	50U	95	64	10		50	11.8
12	C3	290.8	304.8	50X	95	64	10		50	11.8
13	C3	316.2	330.2	50X	98	64	10		50	13.1
14	C3	341.6	355.6	50X	98	64	10		50	14.0
15	C3	367.0	381.0	50Y	100	64	10		55	15.6
16	C3	392.4	406.4	50Y	100	64	10		55	17.0
18	C3	443.2	457.2	50Y	100	64	10		55	18.9
20	C3	494.0	508.0	50Y	100	70	7		55	21.6

NBK® Standard V-Pulley

C-4 w = 110

unit : mm

Catalog Number		dp	de	Type	Hub				Max Bore	Mass (kg)
					db	l	S1	S2		
5	C4	113.0	127.0	56U		64	30	16	48	5.6
5 1/2	C4	125.7	139.7	56U		64	30	16	55	6.9
6	C4	138.4	152.4	56U		64	30	16	60	8.2
6 1/2	C4	151.1	165.1	56U		64	30	16	70	9.7
7	C4	163.8	177.8	56U		64	30	16	75	11.3
8	C4	189.2	203.2	50U	95	74	18		50	10.4
9	C4	214.6	228.6	50U	95	74	18		50	11.6
10	C4	240.0	254.0	50U	95	76	17		50	13.1
11	C4	265.4	279.4	50U	98	76	17		50	14.8
12	C4	290.8	304.8	50U	98	76	17		50	16.3
13	C4	316.2	330.2	50U	102	76	17		55	18.1
14	C4	341.6	355.6	50Y	102	76	17		55	18.0
15	C4	367.0	381.0	50Y	105	76	17		55	19.5
16	C4	392.4	406.4	50Y	108	76	17		60	21.3
18	C4	443.2	457.2	50Y	108	76	17		60	23.7
20	C4	494.0	508.0	50Y	108	82	14		60	26.5

C-5 w = 136

unit : mm

Catalog Number		dp	de	Type	Hub				Max Bore	Mass (kg)
					db	l	S1	S2		
5	C5	113.0	127.0	56U		64	47	25	48	6.3
5 1/2	C5	125.7	139.7	56U		64	47	25	55	7.7
6	C5	138.4	152.4	56U		64	50	22	60	9.1
6 1/2	C5	151.1	165.1	56U		64	50	22	70	10.7
7	C5	163.8	177.8	56U		64	50	22	75	12.4
8	C5	189.2	203.2	50U	95	86	25		50	12.4
9	C5	214.6	228.6	50U	95	86	25		50	14.0
10	C5	240.0	254.0	50U	98	86	25		50	15.9
11	C5	265.4	279.4	50U	98	86	25		50	17.7
12	C5	290.8	304.8	50U	100	88	24		55	19.8
13	C5	316.2	330.2	50U	106	88	24		55	22.3
14	C5	341.6	355.6	50Y	106	88	24		55	22.1
15	C5	367.0	381.0	50Y	114	88	24		60	24.3

C-6 w = 162

unit : mm

Catalog Number		dp	de	Type	Hub				Max Bore	Mass (kg)
					db	l	S1	S2		
7	C6	163.8	177.8	56U		66	60	36	75	13.7
8	C6	189.2	203.2	50U	95	100	31		50	14.5
9	C6	214.6	228.6	50U	102	100	31		55	17.0
10	C6	240.0	254.0	50U	102	100	31		55	18.9
11	C6	265.4	279.4	50U	108	100	31		60	21.6
12	C6	290.8	304.8	50U	108	100	31		60	23.7
13	C6	316.2	330.2	50U	114	100	31		60	26.5
14	C6	341.6	355.6	50Y	114	100	31		60	26.2
15	C6	367.0	381.0	50Y	120	100	31		65	28.6

NBK® Big Hub V-Pulley

A-1-H w = 20

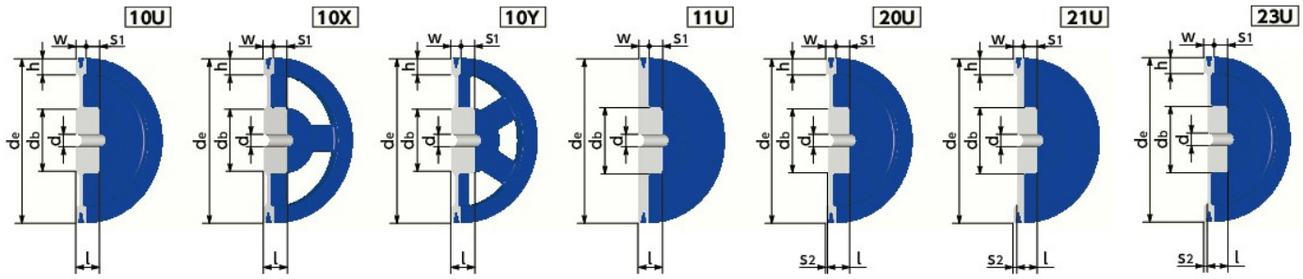
unit : mm

Catalog Number		dp	de	Type	Hub				Pilot Bore (d)	Weight (kg)
					db	l	S1	S2		
3	A1H	67.2	76.2	21U	65	24	17	13		0.9
3 1/2	A1H	79.9	88.9	21U	65	24	19	15		1.0
4	A1H	92.6	101.6	21U	65	28	19	11		1.2
4 1/2	A1H	105.3	114.3	21U	65	28	15	7		1.3
5	A1H	118.0	127.0	21U	65	30	17	7		1.5
5 1/2	A1H	130.7	139.7	21U	65	30	17	7		1.7
6	A1H	143.4	152.4	20X	65	38	20	2		1.6
6 1/2	A1H	156.1	165.1	20X	65	38	20	2		1.7
7	A1H	168.8	177.8	20X	65	38	20	2		1.8
8	A1H	194.2	203.2	20X	65	38	20	2		2.1
9	A1H	219.6	228.6	20X	65	38	20	2		2.3
10	A1H	245.0	254.0	10X	70	38	18	2		2.9

A-2-H w = 36

unit : mm

Catalog Number		dp	de	Type	Hub				Pilot Bore (d)	Weight (kg)
					db	l	S1	S2		
3	A2H	67.2	76.2	21U	65	30	19	25		1.2
3 1/2	A2H	79.9	88.9	21U	65	30	19	25		1.3
4	A2H	92.6	101.6	21U	65	30	19	25		1.6
4 1/2	A2H	105.3	114.3	21U	65	30	19	25		1.8
5	A2H	118.0	127.0	21U	76	30	19	25		2.1
5 1/2	A2H	130.7	139.7	21U	76	30	19	25		2.3
6	A2H	143.4	152.4	21U	76	30	19	25		2.5
6 1/2	A2H	156.1	165.1	21U	76	30	19	25		2.7
7	A2H	168.8	177.8	20X	69	57	29	8		3.2
8	A2H	194.2	203.2	20X	69	57	29	8		3.6
9	A2H	219.6	228.6	20X	69	57	27	6		4.0
10	A2H	245.0	254.0	20X	69	57	27	6		4.3
11	A2H	270	279.4	20X	98	63	33	6		6.5
12	A2H	296	304.8	20X	98	61	31	6		6.8
13	A2H	321	330.2	20X	98	61	31	6		7.3
14	A2H	347	355.6	20X	98	60	24.5	0.5		7.6
15	A2H	372	381.0	50X	97	60	24.5	0.5	53	8.9



B-1-H w = ?

unit : mm

Catalog Number		dp	de	Type	Hub				Pilot Bore (d)	Weight (kg)
					db	l	S1	S2		
4	B1H	90.6	101.6	21U	65	28	19	9.0	36.0	1.3
4 1/2	B1H	103.3	114.3	23U	65	30	15	9.0	36.0	1.5
5	B1H	116.0	127.0	23U	65	30	15	9.0	36.0	1.6
5 1/2	B1H	128.7	139.5	23U	65	30	15	9.0	36.0	1.8
6	B1H	141.4	152.4	20X	80	30	15	2.0	44.0	2.2
6 1/2	B1H	154.1	165.1	10X	80	30	8	0.0	44.0	2.3
7	B1H	166.8	177.8	10X	80	30	6	0.0	44.0	2.3
8	B1H	192.2	203.2	10X	80	30	6	0.0	44.0	2.6
9	B1H	217.6	228.6	10X	80	30	6	0.0	44.0	2.8
10	B1H	243.0	254.0	10X	85	34	10	0.0	47.0	3.4
12	B1H	293.8	304.8	10X	85	34	10	0.0	47.0	4.0
13	B1H	319.2	330.2	10X	97	38	14	0.0	53.0	5.1
14	B1H	344.6	355.6	10X	97	40	16	0.0	53.0	5.5
15	B1H	370.0	391.0	10X	97	40	16	0.0	53.0	5.8
16	B1H	395.4	406.4	10X	97	40	16	0.0	53.0	6.1

B-2-H w = 64

unit : mm

Catalog Number		dp	de	Type	Hub				Pilot Bore (d)	Weight (kg)
					db	l	S1	S2		
3	B2H	65.2	76.2	21U	65	32	19	31		1.3
3 1/2	B2H	77.9	88.9	21U	65	32	19	31		1.5
4	B2H	90.6	101.6	21U	65	37	19	26		1.9
5	B2H	116.0	127.0	21U	86	37	19	26		2.9
5 1/2	B2H	128.7	139.7	21U	86	37	19	23		3.1
6	B2H	141.4	152.4	21U	86	40	19	23		3.5
6 1/2	B2H	154.1	165.1	21U	86	40	19	10		3.9
7	B2H	166.8	177.8	20X	86	51	17	10		4.2
8	B2H	192.2	203.2	20X	86	51	17	10		4.6
9	B2H	217.6	228.6	20X	97	51	17	10	25	5.7
10	B2H	243.0	254.0	20X	97	70	36	10	25	7.2
11	B2H	268.4	279.4	20X	97	70	36	10	25	7.6
12	B2H	293.8	304.8	20X	97	70	36	10	25	8.2
13	B2H	319.2	330.2	20X	97	70	36	10	25	8.6
14	B2H	344.6	355.6	20X	97	70	28	2	25	9.1
15	B2H	370.0	381.0	20X	97	70	28	2	25	9.6
16	B2H	395.4	406.4	20Y	97	70	28	2	25	10.3
18	B2H	446.2	457.2	20Y	108	70	28	2	25	12.2
20	B2H	497.0	508.0	20Y	108	70	28	2	25	13.5

B-3-H w = 64

unit : mm

Catalog Number		dp	de	Type	Hub				Pilot Bore (d)	Weight (kg)
					db	l	S1	S2		
4	B3H	90.6	101.6	21U	77	35	19	48		2.5
5	B3H	116.0	127.0	21U	86	63	20	21		4.8
51/2	B3H	128.7	139.7	21U	86	63	20	21		4.7
6	B3H	141.4	152.4	21U	86	63	22	23		5.0
61/2	B3H	154.1	165.1	21U	86	63	22	23		5.4
7	B3H	166.8	177.8	20U	97	63	12	13	25	6.1
8	B3H	192.2	203.2	20U	97	63	12	13	25	6.8
9	B3H	217.6	228.6	20U	97	70	25	19	25	7.8
10	B3H	243.0	254.0	20U	97	70	25	19	25	8.4
11	B3H	268.4	279.0	20X	97	70	25	19	25	9.0
12	B3H	293.8	304.8	20X	97	70	25	19	25	9.4
13	B3H	319.2	330.2	20X	97	70	25	19	25	10.1
14	B3H	334.6	355.6	20X	108	70	15.5	9.5	25	11.5
15	B3H	370.0	381.0	20Y	118	76	21.5	9.5	30	14.2
16	B3H	395.4	406.4	20Y	140	76	19	7	30	17.2
18	B3H	446.2	457.2	20Y	140	76	19	7	30	19.1
20	B3H	497.0	508.0	20Y	140	76	19	7	30	20.5
22	B3H	547.8	558.8	20Y	140	76	19	7	30	22.4
24	B3H	598.6	609.6	20Y	140	76	19	7	30	23.9

B-4-H w = ?

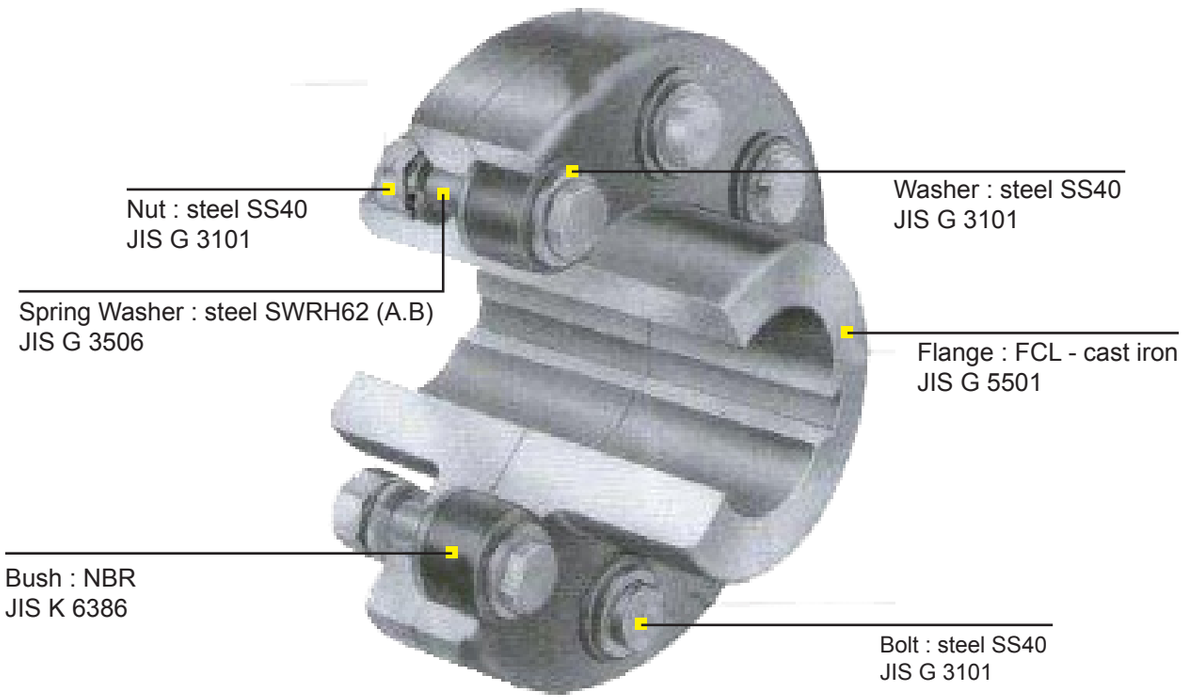
unit : mm

Catalog Number		dp	de	Type	Hub				Pilot Bore (d)	Weight (kg)
					db	l	S1	S2		
14	B4H	344.6	355.6	50Y	140	90	16	10	77	20.5
16	B4H	395.4	406.4	50Y	140	90	16	10	77	22.4

NBK® Flexible Shaft Coupling

NBK Flexible Shaft Coupling (flanged type) as per JIS B 1452, are safe couplings most suited to transmit power efficiently and safely from the driver shaft to the driven shaft. Simple in construction, these couplings are easy-moount, easy-to-remove, and mantenance-free.
JIS = Japanese Industrial Standard (almost same with I.S.O & DIN)

Construction and Material



Dimensional Tolerance

Coupling outer diameter	-	g7
Bolt bore and bolt	H7	g7
Bush inserting bore	H8	-
Diameter of bolt through bush	-	e9
Inner diameter of washer and bush	+0.4 0	-
Bush outer diameter	-	0 -0.4

Size Selection

In determining size, firstly T (torque) is to be obtained by using the following equation.

$$T = \frac{N(HP)}{n} \times 716 \times S \text{ or } \frac{N(KW)}{n} \times 973 \times S \text{ where}$$

T = Torque (kgf. m) in normal operating condition
N = Output (HP or KW) of the driving machine
n = minimum revolution per minute at which couplings are used
S = Service factor (overload factor)
T thus obtained is then applied to torque on the next page to select catalog no. coupling and check the shaft bore diameter shall not be over D (max diameter of shaft bore).

Service Factors

Driven Equipment		Driver					
Load Classification	Machines Used	Electric Motor or Steam Turbine		Steam Engine or Gasoline Engine with Four or More Cylinders		Diesel or Gas Engines	
		Operating time per day		Operating time per day		Operating time per day	
		8 -10 hours	16 - 24 hours	8 - 10 hours	16 - 24 hours	8 - 10 hours	16 - 24 hours
Even Load Non - reversing Low Torque starting	Liquid agitator Centrifugal blower exhaust blower (up to and including 10 HP) Centrifugal Pump Generator Light load conveyor Reduction gear for worm gears	1	1.5	1.5	2.0	2.0	2.5
Uneven Load moderate shock or torsional loads Non reversing Most common type of service	Conveyor Hoist Elevator Line shaft Ball mill Kiln	1.5	2	2	2.5	2.5	3.0
Heavy shock load High peak torsional load Reversing under load Full load starting	Reciprocating compressor Presses Hammer mill Crusher Reciprocating pump Marine Propeller	2	2.5	2.5	3.0	3.0	3.5

Standard Specifications

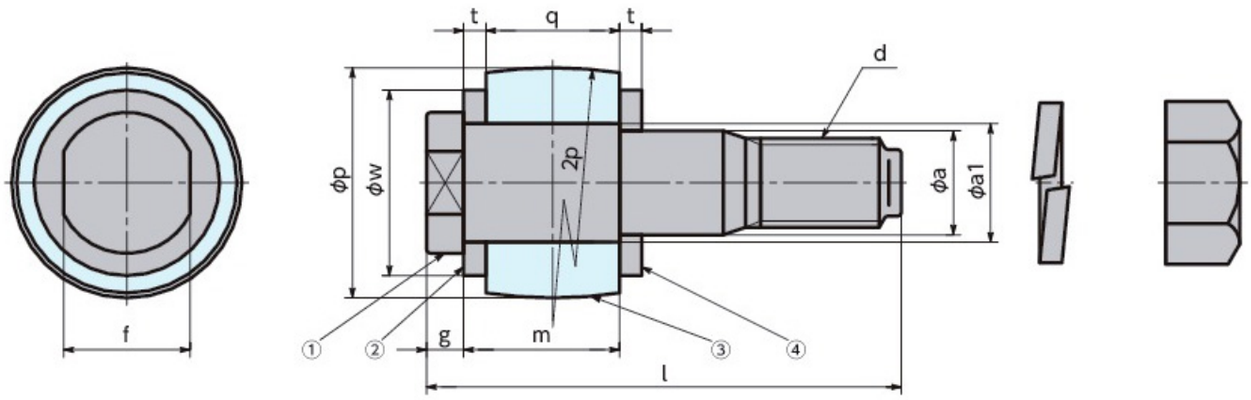
Catalog Number	Max. Bore (mm)		Max. Torque (Kgfm)	Max. Revolution (min $^{-1}$)	Moment of Inertia (kgm^2)	Errors of Eccentricity (mm)	Errors of Angularity	Errors of Shaft End-Play (mm)	Mass (Kg)
	D1	D2							
FCL 90	20		1.5	4000	1.3×10^{-3}	0.1	1/6	$\pm$ 2.1	1.37
FCL 100	25		2.9	4000	2.4×10^{-3}	0.1	1/6	$\pm$ 2.1	2.00
FCL 112	28		3.3	4000	3.8×10^{-3}	0.1	1/6	$\pm$ 2.1	2.64
FCL 125	32	28	7.3	4000	6.5×10^{-3}	0.1	1/6	$\pm$ 2.1	3.59
FCL 140	38	35	13	4000	1.1×10^{-2}	0.2	1/6	$\pm$ 2.1	4.88
FCL 160	45		20	4000	1.9×10^{-2}	0.2	1/6	$\pm$ 2.1	6.70
FCL 180	50		23	3500	3.0×10^{-2}	0.2	1/6	$\pm$ 2.1	8.98
FCL 200	56		44	3200	6.0×10^{-2}	0.2	1/6	$\pm$ 2.8	13.9
FCL 224	63		51	2850	9.6×10^{-2}	0.2	1/6	$\pm$ 2.8	18.1
FCL 250	71		85	2550	1.8×10^{-1}	0.2	1/6	$\pm$ 2.8	26.6
FCL 280	80		150	2300	3.2×10^{-1}	0.3	1/6	$\pm$ 2.8	37.4
FCL 315	90		220	2050	5.3×10^{-1}	0.3	1/6	$\pm$ 2.8	50.3
FCL 355	100		350	1800	1.1	0.3	1/6	$\pm$ 3.5	79.2
FCL 400	110		500	1600	1.8	0.3	1/6	$\pm$ 3.5	100
FCL 450	125		710	1400	2.9	0.3	1/6	$\pm$ 3.5	132
FCL 560	140		1000	1150	6.8	0.3	1/6	$\pm$ 3.5	207
FCL 630	160		1600	1000	11	0.3	1/6	$\pm$ 3.5	271
FCL 710B	180		2500	900	22	0.3	1/6	$\pm$ 3.5	425
FCL 711B	200		3400	900	32	0.3	1/6	$\pm$ 4.9	588

NBK® Flexible Shaft Coupling

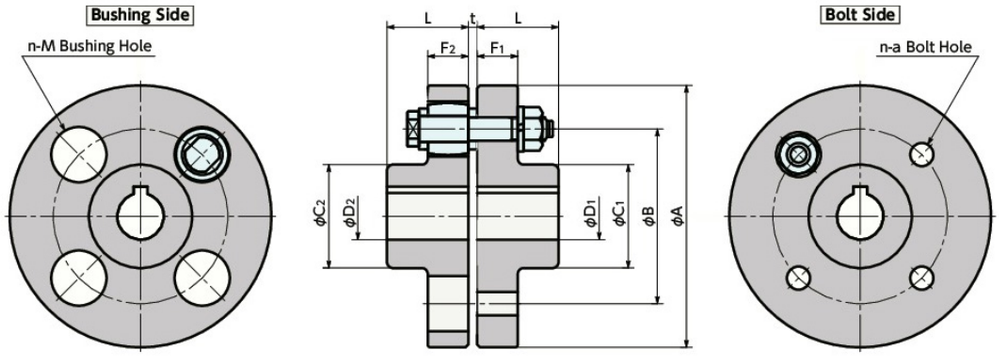
Selection Table

50Hz	2 P. 2850 min-1					4 P.1425 min-1					6 P. 950 min-1					8 P. 725 min-1				
Motor (kW)	Shaft (mm)	Torque (Kgf m)	Size			Shaft (mm)	Torque (Kgf m)	Size			Shaft (mm)	Torque (Kgf m)	Size			Shaft (mm)	Torque (Kgf m)	Size		
			1.0	1.5	2.0			1.0	1.5	2.0			1.0	1.5	2.0			1.0	1.5	2.0
0.2	(11)	0.0683	90	90	90	(11)	0.137	90	90	90										
0.4	(14)	0.137	90	90	90	(14)	0.273	90	90	90	(19)	0.41	90	90	90					
0.75	19	0.256	90	90	90	19	0.512	90	90	90	24	0.769	100	100	100					
1.5	24	0.512	100	100	100	24	1.02	100	100	100	28	1.54	112	112	112					
2.2	24	0.751	100	100	100	24	1.5	112	112	112	28	2.25	112	125	125					
3.7	28	1.26	112	112	112	28	2.53	112	125	125	38	3.79	140	140	140					
5.5	38	1.88	140	140	140	38	3.76	140	140	140	38	5.64	140	140	140					
7.5	38	2.56	140	140	140	38	5.12	140	140	140	42	7.69	160	160	160					
11	42	3.76	160	160	160	42	7.51	160	160	160	42	11.3	160	160	160					
15	42	5.12	160	160	160	42	10.2	160	160	180	(48) • 55	15.4	(180) • 200	200	200					
18.5	42	6.32	160	160	160	48	12.6	180	180	200	55	19.0	200	200	200					
22	48	7.51	180	180	180	(48) • 55	15.0	(180) • 200	(180) • 200	200	(55) • 60	22.5	(200) • 224	(200) • 224	224					
30	55	10.2	200	200	200	55	20.5	200	200	200	60	30.7	224	224	250	65	40.3	250	250	250
37	55	12.6	200	200	200	60	25.3	224	224	224	(60) • 65	37.9	(224) • 250	250	250	75	49.7	280	280	280
45	55	15.4	200	200	200	60	30.7	224	224	250	65	46.1	250	250	280	75	60.4	280	280	280
55	55	18.8	200	200	200	65	37.6	250	250	250	75	56.4	280	280	280	85	73.9	315	315	315
75	55	25.6	200	200		75	51.2	280	280	280	75	76.9	280	280	315	85	101	315	315	315
90	55	30.7	200	224		75	61.5	280	280	280	85	92.2	315	315	315	95	121	355	355	355
110	55	37.6	200			85	75.1	315	315	315	85	113	315	315	355	95	148	355	355	355
132	55	45.1	224			85	90.2	315	315	315	95	135	355	355	355					
160	55	54.7				95	109.0	355	355	355	95	164	355	355	355					
200	55	68.3				95	137.0	355	355	355										

Dimension



Catalog Number	Nominal Size a x l	① Bolt							② ④ Washer		③ Bush		Wrench Torque (kgf.m)
		d	a1	a	f	g	m	l	w	t	p	q	
F1	8 x 50	M 8	9	8	10	4	17	50	14	3	18	14	1.1
F2	10 x 56	M 10	12	10	13	4	19	56	18	3	22	16	2.2
F3	14 x 64	M 12	16	14	17	5	21	64	25	3	31	18	3.9
F4	20 x 85	M 20	22.4	20	24	5	26.4	85	32	4	40	22.4	19
F5	25 x 100	M 24	28	25	30	6	32	100	40	4	50	28	33
F6	28 x 116	M 24	31.5	28	32	6	44	116	45	4	56	40	33
F7	35.5 x 150	M 30	40	35.5	41	8	61	150	56	5	71	56	65
F7L	35.5 x 174	M 30	40	35.5	41	8	61	174	56	5	71	56	65
F8	45 x 240	M 42	50	45	50	10	87	240	71	7	85	80	180



Catalog Number	A	Pilot Bore	L	C		B	F		Number of Bolts n	a	M	t	Withdrawal Distance of Bolts	Bolt Catalog Number
				C1	C2		F1	F2						
FCL 90	90		28	35.5		60	14		4	8	19	3	50	F1
FCL 100	100		35.5	42.5		67	16		4	10	23	3	56	F2
FCL 112	112		40	50		75	16		4	10	23	3	56	F2
FCL 125	125		45	56	50	85	18		4	14	32	3	64	F3
FCL 140	140		50	71	63	100	18		6	14	32	3	64	F3
FCL 160	160		56	80		115	18		8	14	32	3	64	F3
FCL 180	180		63	90		132	18		8	14	32	3	64	F3
FCL 200	200	18	71	100		145	22.4		8	20	41	4	85	F4
FCL 224	224	18	80	112		170	22.4		8	20	41	4	85	F4
FCL 250	250	20	90	125		180	28		8	25	51	4	100	F5
FCL 280	280	30	100	140		200	28	40	8	28	57	4	116	F6
FCL 315	315	32	112	160		236	28	40	10	28	57	4	116	F6
FCL 355	355	32	125	180		260	35.5	56	8	35.5	72	5	150	F7
FCL 400	400	50	125	200		300	35.5	56	10	35.5	72	5	150	F7
FCL 450	450	60	140	224		355	35.5	56	12	35.5	72	5	150	F7
FCL 560	560	80	160	250		450	35.5	56	14	35.5	72	5	150	F7
FCL 630	630	90	180	280		530	35.5	56	14	35.5	72	5	150	F7
FCL 710B	710	110	224	315		600	56		24	35.5	72	5	174	F7L
FCL 711B	710	120	250	355		580	80		20	45	87	7	240	F8

Dimension

FCL — 224

FCL: Coupling Type, Material (FC 200)

224: Coupling Size

NBK® Standard V-Pulley and FCL Flexible Coupling

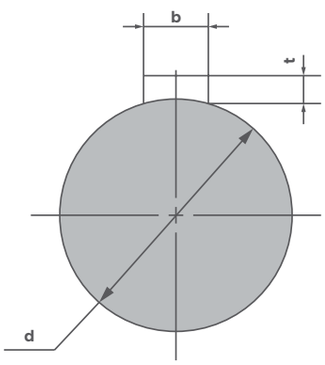

Foundry Factory at Cikande

Useful Table :

Keyway and Key dimension table.

Bore & Keyway

We can finish a bore and a keyway upon request. A keyway is finished speedy, precisely and economically by Broaching Machine. Please specify size of bore, dimension of keyway and tolerances.



Basic Dimension of bore d	Keyway				Key
	b		t		Nominal Dimension of Key b x h
	Basic Dimension	Tolerance (Js9)	Basic Dimension	Tolerance	
10	3	± 0.0125	1.4	+ 0.1 0	3 x 3
11 12	4	± 0.0150	1.8	+ 0.1 0	4 x 4
14 15 16 17	5	± 0.0150	2.3	+ 0.1 0	5 x 5
18 19 20 21 22	6	± 0.0150	2.8	+ 0.1 0	6 x 6
24 25 28 30	8	± 0.0180	3.3	+ 0.2 0	8 x 7
32 35 38	10	± 0.0180	3.3	+ 0.2 0	10 x 8
40 42	12	± 0.0215	3.3	+ 0.2 0	12 x 8
45 48 50	14	± 0.0215	3.8	+ 0.2 0	14 x 9
55	16	± 0.0215	4.3	+ 0.2 0	16 x 10
60 65	18	± 0.0215	4.4	+ 0.2 0	18 x 11
70 75	20	± 0.0260	4.9	+ 0.2 0	20 x 12
80 85	22	± 0.0260	5.4	+ 0.2 0	22 x 14
90 95	25	± 0.0260	5.4	+ 0.2	25 x 14
100 105 108 110	28	± 0.0260	6.4	+ 0.2 0	28 x 16
112 115 120 125 130	32	± 0.0310	7.4	+ 0.2 0	32 x 18

PT. HIMALAYA NABEYA INDONESIA
Jl. Raya Jakarta Serang Km. 68. Modern Industri III Kav. 18
Kecamatan Cikande, Kab. Serang, Banten
Telp : +62 (0254) 400 412
Fax : +62 (0254) 400 413
Email : hni_foundry@hej.co.id

PT. HIMALAYA EVEREST JAYA
Jl. Daan Mogot Km 10 No 151 Pesing Poglar
Jakarta Barat 11710 Indonesia
Telp : +62 (021) 5448956, 5448965
Fax : +62 (021) 6194658, 6198342
Email : himalaya@hej.co.id

MEDAN

Jl. Gunung Krakatau No. 52/112 A
Medan, INDONESIA
Telp : (62-61) 6616938
Fax : (62-61) 6610687
E-mail : hejmdn1@hej.co.id

PEKAN BARU

Jl. Kamboja No. 96 Kel. Sukajadi
Pekanbaru 28121,Riau, INDONESIA
Telp : (62-761) 854002, 854004
Fax : (62-761) 22036
E-mail : admspbr@hej.co.id

PADANG

Jl. Kampung Sebelah VI No. 10 A Padang,
INDONESIA
Telp/Fax : (62-751) 37261
E-mail : padang@hej.co.id

PALEMBANG

Jl. Letda A. Rozak No. 9 RT. 14/RW.04,
Kandang Kawat, Kel. Duku, Kec. Ilir
Timur II, Palembang, INDONESIA
Telp : (62-711) 719430, 7077419
Fax : (62-711) 719430
E-mail : palembang@hej.co.id

SOLO

Jl. Nakula Blok G-40 Perum
Grogol Indah Sukoharjo, Solo, INDONESIA
Telp : (62-71) 7061464
Fax : (62-71) 6727167
E-mail : hej-slo@telkom.net

SAMARINDA

Jl. PM Noor Komplek Pondok Surya Indah Blok
CA No. II (Sempaja), Samarinda, Kalimantan
Timur, INDONESIA
Telp : (0541) 7910138
Fax : (0541) 221048
E-mail : samarinda@hej.co.id

BANGKA

Jl. Syafril Rahman No. 210A Sungai Liat
Bangka, INDONESIA
Telp/Fax : (62-717) 92651
E-mail : bangka@hej.co.id

TANGERANG

Jl. Raya Serang Km. 15 Ruko Citra Raya Blok
C1/18R, Cikupa – Tangerang, INDONESIA
Telp : (62-21) 59403446, 5961442
Fax : (62-21) 5961442
E-mail : tangerang@hej.co.id

DKI JAKARTA

Jl. Daan Mogot Km. 10 No. 151 Pesing
Poglar Jakarta Barat (11710), INDONESIA
Telp : (62-21) 5448965, 5448956
Fax : (62-21) 6194658, 6198342
E-mail : himalaya@hej.co.id

BANJARMASIN

Jl. A. Yani Km. 5.7, Komplek Raya Banjar Indah
Permai No. 78 RT.31 Banjarmasin, INDONESIA
Telp/Fax : (62-511) 3253320
E-mail : banjarmasin@hej.co.id

BANDUNG

Ruko Kopo Plaza Blok A-15 Jl. Peta
Lingkar Selatan, Bandung, Jawa
Barat, INDONESIA
Telp : (62-22) 6070858, 6070859, 6070860
Fax : (62-22) 6031429
E-mail : hejb422@hej.co.id

CILEGON

Jl. Raya Anyer No. 54 Ramanuju Cilegon,
Banten, INDONESIA
Telp : (62-254) 399781
Fax : (62-254) 391619
E-mail : hejclg@indo.net.id

SEMARANG

Kawasan Diamond Cipta Niaga Jl. Yos
Sudarso, Blok A No. 5 Semarang Utara,
INDONESIA
Telp : (62-24) 70192017, 3521602,
(62-24) 91085457 / 52
Fax : (62-24) 3521601
E-mail : hejsmg@hej.co.id

KARAWANG

Jl. Interchange Tol Karawang Barat
Ruko Grand Taruma Blok A/80 No 8AE
Telp : (0267) 4751928 (flexi home)
0828 17074726 (ceria)
E-mail : adm_karawang@hej.co.id

SIDOARJO

Perum Puri Surya Jaya Jl. Raya Paris
Selatan C1/21, Gedangan, Sidoarjo,
INDONESIA
Telp/Fax : (62-31) 8918475
E-mail : hejsda@sby.dnet.net.id

JAMBI

Jl. Kamboja No. 96 Kel. Sukajadi
Pekanbaru 28121,Riau, INDONESIA
Telp : (62-761) 854002, 854004
Fax : (62-761) 22036
E-mail : admspbr@hej.co.id

CIKARANG

Jl. Sriwijaya Kav 10 Lippo Cikarang
Telp : (62-21) 89904073/74, 89901236
Fax : (62-21) 89904075
E-mail : hejbks@centrin.net.id

LAMPUNG

Jl. Damar Blok TE 1 No. 3, Komp. Way
Halim Permai BTN III, Lampung 35131,
INDONESIA
Telp : (62-721) 708946
Fax : (62-721) 708946
E-mail : lampung@hej.co.id

SURABAYA

Jl. Embong Wungu No. 15 Surabaya,
INDONESIA
Telp : (62-31) 5317321, 5464577
Fax : (62-31) 5342120
E-mail : hejsby@indosat.net.id

MAKASSAR

Kawasan Pergudangan & Industri
Parangloe Indah
Natura Cluster 1 Blok A No 3
Makassar, Sulawesi Selatan

HIM
HIMALAYA