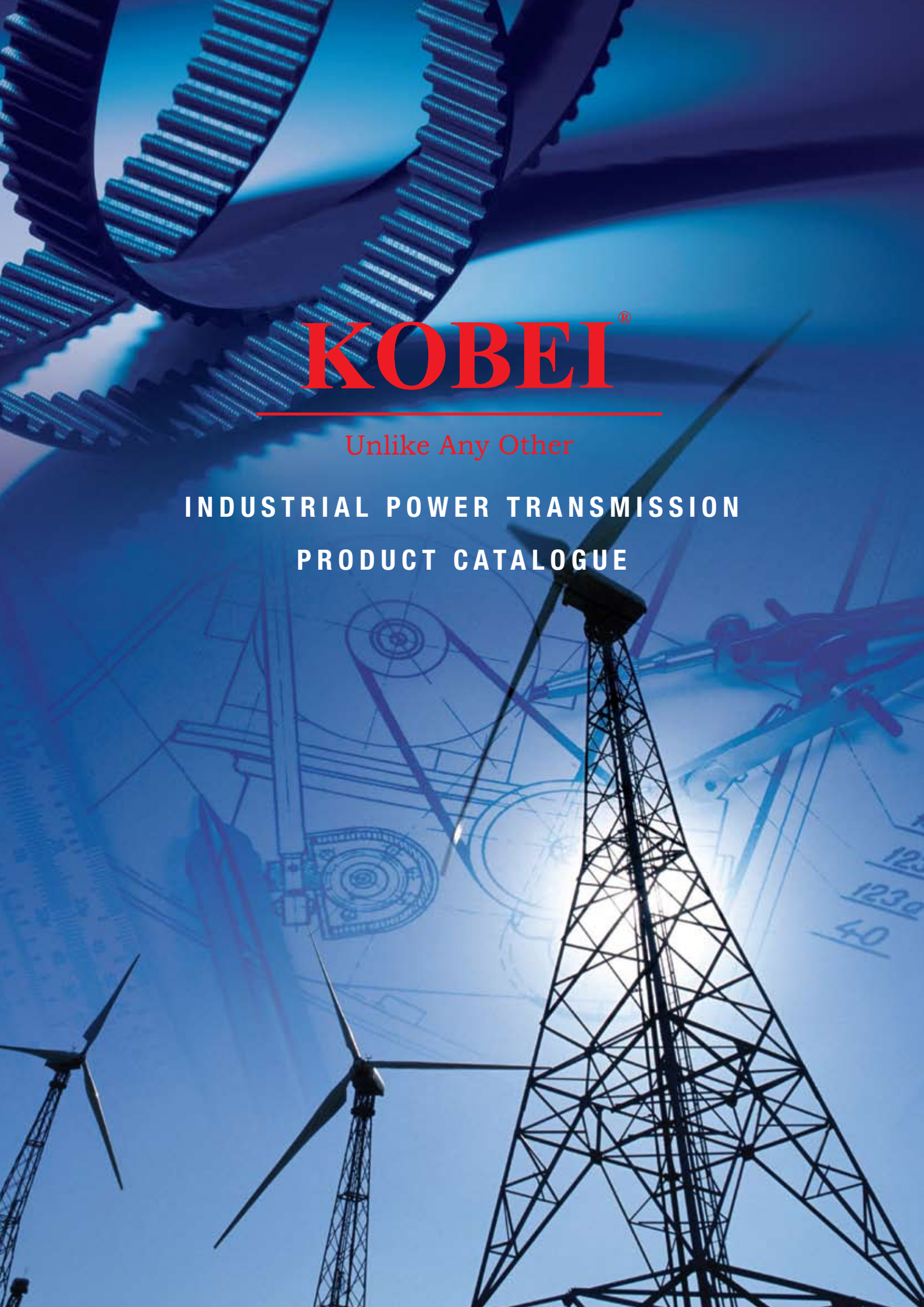


KOBEI®

Unlike Any Other

INDUSTRIAL POWER TRANSMISSION

PRODUCT CATALOGUE

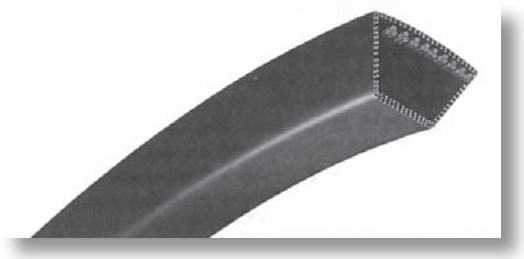
Contents

KOBEI®

Unlike Any Other

KOBEI® Classical V-Belts

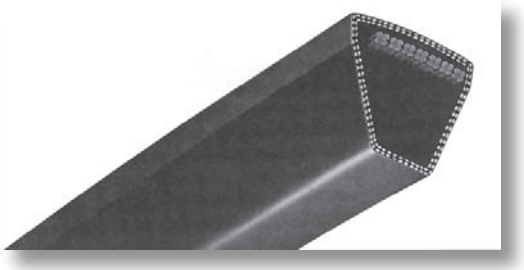
Section	Dimensions		Angle (Deg)	Range		Nominal Length
	Top width (mm)	Thickness (mm)		Min (mm)	Max (mm)	
K	8.0	5.0	40	305	1549	La
Z	10.0	5.5	40	330	1905	La
M / 3L	10.0	6.0	40	330	1905	La
A / 4L	13.0	8.0	40	356	10008	Lp
B / 5L	17.0	11.0	40	483	15494	Lp
20	20.0	12.5	40	1200	10008	Lp
C	22.0	14.0	40	737	15494	Lp
25	25.0	16.0	40	1300	9906	Lp
D	32.0	19.0	40	1600	15494	Lp
E	38.0	25.0	40	2515	14986	Lp



Further sizes on request

KOBEI® Wedge/Narrow V-Belts

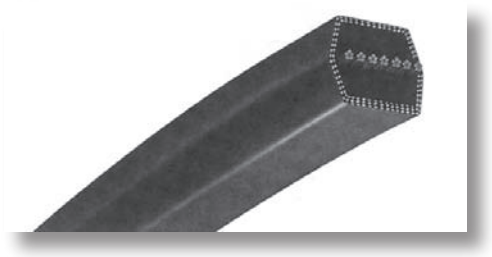
Section	Dimensions		Angle (Deg)	Range		Nominal Length
	Top width (mm)	Thickness (mm)		Min (mm)	Max (mm)	
SPZ	9.7	8.0	40	381	5300	Lp
SPA	12.7	10.0	40	600	5300	Lp
SPB	16.3	13.0	40	1122	10000	Lp
SPC	22.0	18.0	40	2000	15500	Lp
3V	9.7	8.0	40	381	5309	La
5V	16.3	13.0	40	1118	10008	La
8V	25.5	23.0	40	2007	15494	La



Further sizes on request

KOBEI® Hexagonal Belts

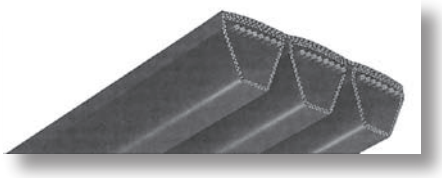
Section	Dimensions		Angle (Deg)	Range		Nominal Length
	Top width (mm)	Thickness (mm)		Min (mm)	Max (mm)	
AA	13.0	10.3	40	1600	5309	Lp
BB	17.0	13.5	40	1905	10008	Lp
CC	22.0	18.0	40	2311	9144	Lp



Further sizes on request

KOBEI® Banded Belts

Section	Dimensions		Angle (Deg)	Range		Pitch between two belts (mm)	Nominal Length
	Top width (mm)	Thickness (mm)		Min (mm)	Max (mm)		
RA	13.6	10.0	40	1194	5309	15.6	Lp
RB	17.0	13.0	40	1194	13995	19.0	Lp
RC	22.4	16.0	40	1905	13995	25.5	Lp
RD	32.8	21.5	40	4089	15011	37.0	Lp
RSPZ	10.5	10.0	40	1500	3000	12.0	Lp
RSPA	13.6	12.3	40	1500	5300	15.0	Lp
RSPB	17.0	16.5	40	1500	14000	19.0	Lp
RSPC	22.0	21.0	40	1900	14000	25.5	Lp
R3V	9.7	9.7	40	1194	5309	10.3	La
R5V	15.7	15.7	40	1194	13995	17.5	La
R8V	25.4	25.4	40	3505	13995	28.6	La



Further sizes on request

KOBEI®

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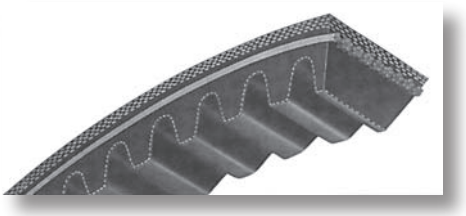
KOBEI® Classical Cogged V-Belts

Section	Dimensions		Angle (Deg)	Range		Nominal Length
	Top width (mm)	Thickness (mm)		Min (mm)	Max (mm)	
ZX	10.0	6.0	40	508	2794	La
AX	13.0	9.0	40	508	2540 & above	Lp
BX	17.0	11.0	40	584	2540 & above	Lp
CX	22.0	14.0	40	762	2540 & above	Lp

Further sizes on request

KOBEI® Wedge/Narrow Cogged V-Belts

Section	Dimensions		Angle (Deg)	Range		Nominal Length
	Top width (mm)	Thickness (mm)		Min (mm)	Max (mm)	
XPZ	9.7	8.0	40	537	2540 & above	Lp
XPA	12.7	10.0	40	508	2540 & above	Lp
XPB	16.3	13.0	40	762	2540 & above	Lp
XPC	22.0	18.0	40	762	2540 & above	Lp
3VX	9.7	8.0	40	508	2540 & above	La
5VX	16.3	13.0	40	762	2540 & above	La



Further sizes on request

KOBEI® Banded Cogged Belts

Section	Dimensions		Angle (Deg)	Range		Pitch between two belts (mm)	Nominal Length
	Top width (mm)	Thickness (mm)		Min (mm)	Max (mm)		
RAX	13.0	11.0	40	1016	10160	15.9	Lp
RBX	17.0	14.3	40	1270	10160	19.0	Lp
RCX	22.0	18.0	40	1524	15240	25.5	Lp
RXPZ	9.7	11.0	40	1016	3550	12.0	Lp
RXPA	12.7	13.0	40	1143	4500	15.0	Lp
RXPB	16.3	16.5	40	1270	9000	19.0	Lp
RXPC	22.0	22.0	40	1524	12500	25.5	Lp
R3VX	9.5	11.0	40	850	3556	10.3	La
R5VX	15.9	16.5	40	1270	9000	17.5	La

Further sizes on request

KOBEI® Ribbed V-Belts

Section	Thickness (mm)	Rib Pitch (mm)	Max. Belt Speed (m/sec)	Range		Nominal Length
				Min (mm)	Max (mm)	
PH	2.9	1.6	60	180	3340	Le
PJ	3.8	2.3	60	356	3340	Le
PK	5.8	3.6	55	635	3340	Le
PL	7.6	4.7	50	991	3340	Le
PM	13.3	9.4	40	2286	3340	Le

Further sizes on request

KOBEI®

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KOBEI® Wide Angle Belts (Polyurethane)

Section	Dimensions		Angle (Deg)	Range		Nominal Length
	Top width (mm)	Thickness (mm)		Min (mm)	Max (mm)	
3M	3.0	2.0	60	180	750	Le
5M	5.0	3.0	60	280	1850	Le
7M	7.0	5.0	60	410	2300	Le
11M	11.0	7.0	60	710	2300	Le

Further sizes on request

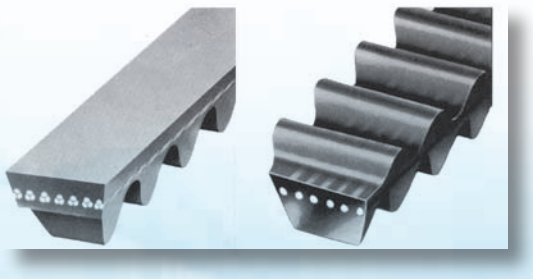
KOBEI® Banded Wide Angle Belts (Polyurethane)

Section	Dimensions		Angle (Deg)	Range		Pitch between two belts (mm)	Nominal Length
	Top width (mm)	Thickness (mm)		Min (mm)	Max (mm)		
2R5M	9.8	3.5	60	500	1850	5.3	Le
2R7M	15.6	5.3	60	500	2300	8.5	Le
2R11M	24.4	7.0	60	710	2300	13.2	Le
3R5M	15.1	3.5	60	500	1850	5.3	Le
3R7M	24.1	5.3	60	500	2300	8.5	Le
3R11M	37.6	7.0	60	710	2300	13.2	Le

Further sizes on request

KOBEI® MB & DMB Belts (Polyurethane)

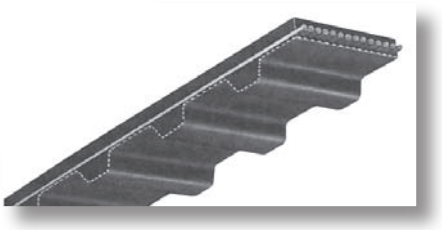
Section	Dimensions		Angle (Deg)	Range		Nominal Length
	Top width (mm)	Thickness (mm)		Min (mm)	Max (mm)	
MB	6.0	4.0	40	260	825	Le
DMB	6.0	4.0	40	250	520	Le



Further sizes on request

KOBEI® Trapezoidal Tooth Timing Belts

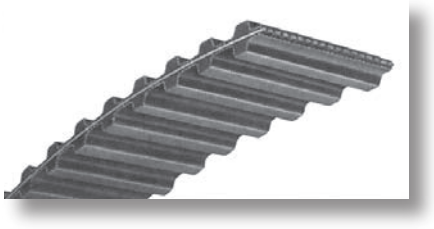
Section	Dimensions			Range (Nos of Teeth)		Range (Length)	
	Tooth Pitch (mm)	Total Thickness (mm)	Tooth Thickness (mm)	Min	Max	Min (mm)	Max (mm)
MXL	2.032	1.11	0.51	54	2044	109.73	4153.41
XL	5.080	2.27	1.27	30	510	152.40	2590.80
L	9.525	3.61	1.91	23	306	218.44	2915.92
H	12.700	4.59	2.29	29	370	368.30	4699.00
XH	22.225	11.15	6.35	53	176	1178.56	3911.60
XXH	31.750	15.73	9.53	56	144	1778.00	4572.00
T2.5	2.500	1.30	0.70	42	312	105.00	780.00
T5	5.000	2.20	1.20	33	392	165.00	1960.00
T10	10.000	4.50	2.50	34	465	340.00	4650.00



Further sizes on request

KOBEI® Trapezoidal Double Tooth Timing Belts

Section	Dimensions			Range (Nos of Teeth)		Range (Length)	
	Tooth Pitch (mm)	Total Thickness (mm)	Tooth Thickness (mm)	Min	Max	Min (mm)	Max (mm)
DXL	5.080	3.05	1.27	108	510	548.64	2590.80
DL	9.525	4.58	1.91	58	306	551.18	2915.92
DH	12.700	5.90	2.29	44	370	558.80	4699.00
DT5	5.000	3.40	1.20	110	392	550.00	1960.00
DT10	10.000	7.00	2.50	56	465	560.00	4650.00



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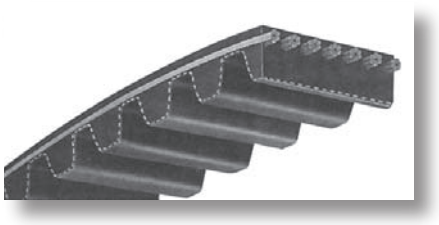
KOBEI® STD Round Tooth Timing Belts

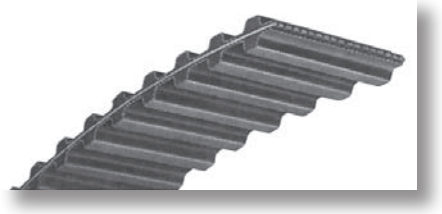
Section	Dimensions			Range (Nos of Teeth)		Range (Length)	
	Tooth Pitch (mm)	Total Thickness (mm)	Tooth Thickness (mm)	Min	Max	Min (mm)	Max (mm)
S2M	2.000	1.36	0.76	44	1914	88.00	3828.00
S3M	3.000	1.94	1.14	41	500	123.00	1500.00
S4.5M	4.500	2.70	1.71	40	201	180.00	905.00
S5M	5.000	3.41	1.91	36	560	180.00	2800.00
S8M	8.000	5.30	3.05	53	500	424.00	4000.00
S14M	14.000	10.20	5.30	69	322	966.00	4508.00



Further sizes on request

KOBEI® STD Round Double Tooth Timing Belts

Section	Dimensions			Range (Nos of Teeth)		Range (Length)	
	Tooth Pitch (mm)	Total Thickness (mm)	Tooth Thickness (mm)	Min	Max	Min (mm)	Max (mm)
DS5M	5.000	5.26	2.06	110	560	550.00	2800.00
DS8M	8.000	8.28	3.45	70	500	560.00	4000.00
DS14M	14.000	14.84	6.02	72	322	1008.00	4508.00



Further sizes on request

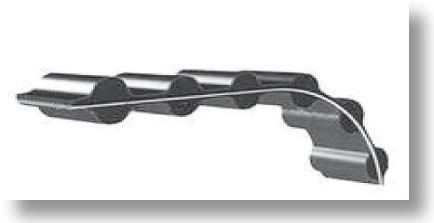
KOBEI® HTD Round Tooth Timing Belts

Section	Dimensions			Range (Nos of Teeth)		Range (Length)	
	Tooth Pitch (mm)	Total Thickness (mm)	Tooth Thickness (mm)	Min	Max	Min (mm)	Max (mm)
3M	3.000	2.40	1.20	35	1000	105.00	3000.00
5M	5.000	3.60	2.10	35	852	175.00	4260.00
8M	8.000	5.60	3.38	36	565	288.00	4520.00
14M	14.000	10.00	6.10	56	327	784.00	4578.00
20M	20.000	13.20	8.40	170	230	3400.00	4600.00

Further sizes on request

KOBEI® HTD Round Double Tooth Timing Belts

Section	Dimensions			Range (Nos of Teeth)		Range (Length)	
	Tooth Pitch (mm)	Total Thickness (mm)	Tooth Thickness (mm)	Min	Max	Min (mm)	Max (mm)
D3M	3.000	3.10	1.17	184	1000	552.00	3000.00
D5M	5.000	5.26	2.06	110	852	550.00	4260.00
D8M	8.000	8.17	2.98	69	565	552.00	4520.00
D14M	14.000	14.84	6.02	74	327	1036.00	4578.00

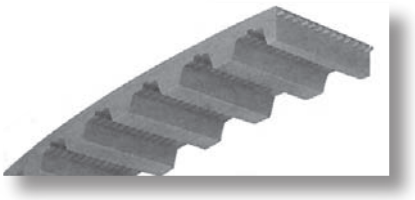


Further sizes on request

KOBEI®
Unlike Any Other

KOBEI® Trapezoidal Tooth Timing Belts (Polyurethane)

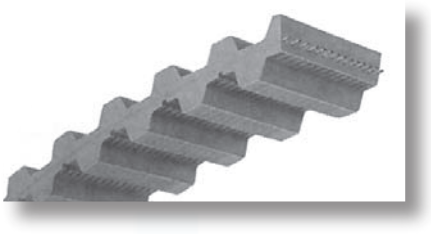
Section	Dimensions			Range (Nos of Teeth)		Range (Length)	
	Tooth Pitch (mm)	Total Thickness (mm)	Tooth Thickness (mm)	Min	Max	Min (mm)	Max (mm)
MXL(T80)	2.032	1.22	0.46	45	612	91.44	1243.58
XL	5.080	2.27	1.27	25	343	127.00	1742.44
L	9.525	3.61	1.91	26	160	247.65	1524.00
H	12.700	4.59	2.29	46	114	584.20	1447.80
T2.5	2.500	1.30	0.71	48	474	120.00	1185.00
T5	5.000	2.20	1.20	24	166	120.00	830.00
T10	10.000	4.50	2.50	25	576	250.00	5760.00
T20	20.000	8.00	5.00	65	94	1300.00	1880.00
AT3	3.000	1.90	1.10	50	337	150.00	1011.00
AT5	5.000	2.70	1.20	45	300	225.00	1500.00
AT10	10.000	5.00	5.00	45	194	450.00	1940.00



Further sizes on request

KOBEI® Trapezoidal Double Tooth Timing Belts (Polyurethane)

Section	Dimensions			Range (Nos of Teeth)		Range (Length)	
	Tooth Pitch (mm)	Total Thickness (mm)	Tooth Thickness (mm)	Min	Max	Min (mm)	Max (mm)
DT5	5.000	3.40	1.20	56	322	280.00	1610.00
DT10	10.000	7.00	2.50	66	196	66.00	1960.00



Further sizes on request

KOBEI® Open-End Timing Belts

Section	Dimensions			Width	
	Tooth Pitch (mm)	Total Thickness (mm)	Tooth Thickness (mm)	Min (mm)	Max (mm)
MXL	2.032	1.11	0.51	6.4	12.7
XL	5.080	2.27	1.27	6.4	19.0
L	9.525	3.61	1.91	9.5	19.0
H	12.700	4.59	2.29	15.0	19.0
T5	5.000	2.20	1.20	10.0	20.0
T10	10.000	4.50	2.50	10.0	20.0
S2M	2.000	1.36	0.76	4.0	15.0
S3M	3.000	1.94	1.14	6.0	15.0
S5M	5.000	3.41	1.91	9.0	25.0
S8M	8.000	5.30	3.05	10.0	20.0
3M	3.000	2.40	1.20	6.0	15.0
5M	5.000	3.60	2.10	9.0	20.0
8M	8.000	5.60	3.38	10.0	20.0

Further sizes on request

KOBEI® Open-End Timing Belts (Polyurethane)

Section	Dimensions			Width		Min Length For Jointed Belt (mm)
	Tooth Pitch (mm)	Total Thickness (mm)	Tooth Thickness (mm)	Min (mm)	Max (mm)	
XL	5.080	2.27	1.27	6.4	101.6	350
L	9.525	3.61	1.91	9.5	101.6	500
H	12.700	4.59	2.29	12.7	101.6	500
XH	22.225	11.20	4.85	19.0	101.6	1500
T5	5.000	2.20	1.20	5.0	100.0	350
T10	10.000	4.50	2.50	10.0	150.0	500
T20	20.000	8.00	3.00	20.0	150.0	1000
AT3	3.000	1.90	1.10	5.0	50.0	780
AT5	5.000	2.70	1.20	5.0	100.0	350
AT10	10.000	4.50	2.00	10.0	150.0	500
AT20	20.000	8.00	3.00	20.0	150.0	1000
S5M	5.000	3.41	1.91	5.0	100.0	350
S8M	8.000	5.20	3.00	10.0	100.0	900
3M	3.000	2.40	1.20	5.0	50.0	350
5M	5.000	3.60	2.10	5.0	100.0	350
8M	8.000	5.60	3.38	10.0	100.0	500
14M	14.000	10.00	6.10	20.0	115.0	1000

Further sizes on request

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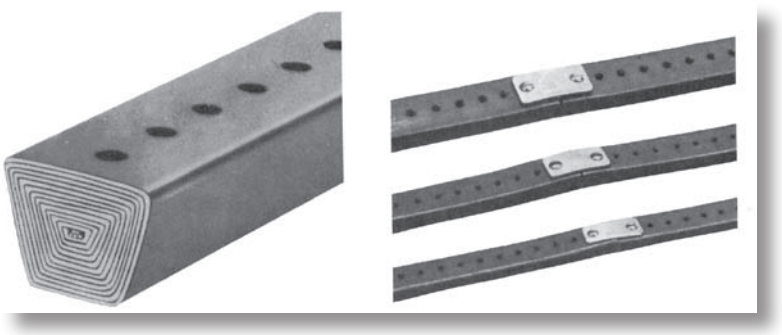
KOBEI® Open-End V-Belts

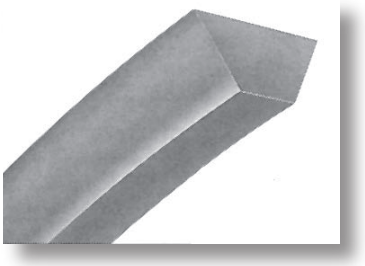
Section	Dimensions		Angle (Deg)
	Top width (mm)	Thickness (mm)	
M / 3L	10.0	6.8	40
A / 4L	12.7	9.4	40
B / 5L	16.7	11.0	40
C	22.2	15.2	40



Further sizes on request

KOBEI® Open-End V-Belts (Polyurethane)

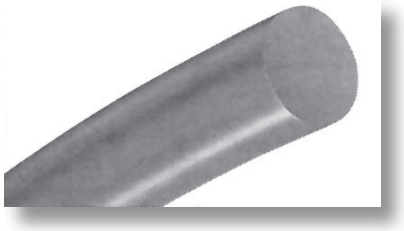
Section	Hardness	Color	Belt Surface	Dimensions		Angle (Deg)
				Top width (mm)	Thickness (mm)	
M	90A	RED	SMOOTH	10.0	6.0	40
A	90A	RED	SMOOTH	13.0	8.0	40
B	90A	RED	SMOOTH	17.0	11.0	40
C	90A	RED	SMOOTH	22.0	14.0	40
D	90A	RED	SMOOTH	32.0	19.0	40



Further sizes on request

KOBEI® Open-End Round Belts (Polyurethane)

Section	Hardness	Color	Belt Surface	Diameter (mm)
2	85A	ORANGE	SMOOTH	2.0
2.5	85A	ORANGE	SMOOTH	2.5
3	85A	ORANGE	SMOOTH	3.0
3.5	85A	ORANGE	SMOOTH	3.5
4	85A	ORANGE	SMOOTH	4.0
5	85A	ORANGE	SMOOTH	5.0
6	85A	ORANGE	SMOOTH	6.0
7	85A	ORANGE	SMOOTH	7.0
8	85A	ORANGE	SMOOTH	8.0
9	85A	ORANGE	SMOOTH	9.0
10	85A	ORANGE	SMOOTH	10.0
12	85A	ORANGE	SMOOTH	12.0
14	85A	ORANGE	SMOOTH	14.0
15	85A	ORANGE	SMOOTH	15.0
16	85A	ORANGE	SMOOTH	16.0
18	85A	ORANGE	SMOOTH	18.0
20	85A	ORANGE	SMOOTH	20.0
2	90A	GREEN	ROUGH	2.0
2.5	90A	GREEN	ROUGH	2.5
3	90A	GREEN	ROUGH	3.0
3.5	90A	GREEN	ROUGH	3.5
4	90A	GREEN	ROUGH	4.0
5	90A	GREEN	ROUGH	5.0
6	90A	GREEN	ROUGH	6.0
7	90A	GREEN	ROUGH	7.0
8	90A	GREEN	ROUGH	8.0
9	90A	GREEN	ROUGH	9.0
10	90A	GREEN	ROUGH	10.0
12	90A	GREEN	ROUGH	12.0
14	90A	GREEN	ROUGH	14.0
15	90A	GREEN	ROUGH	15.0
16	90A	GREEN	ROUGH	16.0
18	90A	GREEN	ROUGH	18.0
20	90A	GREEN	ROUGH	20.0



Further sizes on request

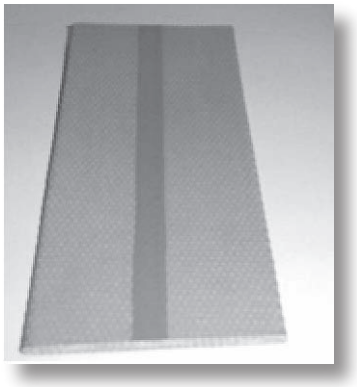
KOBEI®

Unlike Any Other

KOBEI® Open-End Flat Belts

(280Z Cotton Flat Belt – Yellow Colour with Center Red Strip)

Belt Width		Belt Thickness	
(Inch)	(mm)	Nos pf Ply	(mm)
1.1/4	31.75	3.0	3.9
1.1/4	31.75	4.0	5.2
1.1/2	38.10	3.0	3.9
1.1/2	38.10	4.0	5.2
2	50.80	3.0	3.9
2	50.80	4.0	5.2
2.1/2	63.50	3.0	3.9
2.1/2	63.50	4.0	5.2
3	76.20	3.0	3.9
3	76.20	4.0	5.2
3	76.20	5.0	6.5
3.1/2	88.90	3.0	3.9
3.1/2	88.90	4.0	5.2
3.1/2	88.90	5.0	6.5
4	101.60	3.0	3.9
4	101.60	4.0	5.2
4	101.60	5.0	6.5
5	127.00	4.0	5.2
5	127.00	5.0	6.5
5	127.00	6.0	7.8
6	152.40	4.0	5.2
6	152.40	5.0	6.5
6	152.40	6.0	7.8
7	177.80	5.0	6.5
7	177.80	6.0	7.8
7	177.80	7.0	9.1
8	203.20	6.0	7.8
8	203.20	7.0	9.1
8	203.20	8.0	10.4
10	254.00	8.0	10.4
10	254.00	10.0	13.0
12	304.80	10.0	13.0
14	355.60	10.0	13.0



Further sizes on request

KOBEI® Vari Speed Belts (VK-VG)

850 VA 23 22

- 22 — Pulley Groove Angle
- 23 — Belt Top Width (mm)
- VA — Belt type
- 850 — Nominal number (Pitch Length in mm)

TYPE	VK	VM	VA	VB	VC	VD	VE	VF	VG
THICKNESS	5.5	7.0	8.5	10.0	11.5	13.5	16.0	18.0	20.0
TOP WIDTH	13–20	13–25	16–35	20–41	25–76	30–70	32–70	40–70	40–76

Nominal Pitch (mm)	VK	VM	VA	VB	VC	VD	VE	VF	VG	Nominal Pitch (mm)	VK	VM	VA	VB	VC	VD	VE	VF	VG
400	●									1320	●	●	●	●	●	●	●	●	●
412	●									1360			●	●	●	●	●	●	●
437	●									1400		●		●	●	●	●	●	●
450	●									1450			●	●	●	●	●	●	●
462	●									1500			●	●	●	●	●	●	●
475	●									1550		●	●	●	●	●	●	●	●
487	●		●							1600			●	●	●	●	●	●	●
500		●	●	●	●					1650			●	●	●	●	●	●	●
515	●	●	●	●	●					1700		●	●	●	●	●	●	●	●
530	●	●	●	●	●	●				1750		●		●	●	●	●	●	●
545	●		●	●	●		●			1800			●	●	●	●	●	●	●
560	●	●	●	●	●					1850			●	●	●	●	●	●	●
580		●	●	●	●					1900			●	●	●	●	●	●	●
600			●	●	●					1950				●	●	●	●	●	●
615		●	●	●	●	●				2000			●	●	●	●		●	●
630			●	●	●					2060			●	●	●	●	●	●	●
650			●	●	●					2120			●	●	●	●	●	●	●
670		●	●	●	●	●				2180			●	●	●	●	●	●	●
690		●	●	●	●	●				2240				●	●	●	●	●	●
710			●	●	●					2300			●	●	●	●		●	●
730			●	●	●	●				2360			●	●	●	●	●	●	●
750		●	●	●	●	●				2430			●	●	●	●	●	●	●
775			●	●	●		●	●		2500			●	●	●	●			●
800		●	●	●	●	●	●			2600						●	●		
825	●	●	●	●	●	●	●		●	2650									●
850			●	●	●	●	●		●	2800								●	●
875			●	●	●	●			●	2950			●	●	●				
900	●	●	●	●	●	●	●			3000								●	●
925			●	●	●	●				3070			●		●	●	●		
950		●	●	●	●	●	●	●		3100					●	●		●	●
975			●	●	●	●		●	●	3150		●	●	●	●			●	
1000		●	●	●	●	●	●			3200						●	●	●	●
1030		●	●	●	●	●	●	●	●	3250			●	●					
1060			●	●	●	●	●	●	●	3300						●	●	●	●
1090			●	●	●	●	●	●		3350			●						
1120	●	●	●	●	●	●	●	●	●	3400					●	●	●		
1150		●	●	●	●	●	●	●	●	3450									●
1180			●	●	●	●	●	●	●	3550			●	●					
1220			●	●	●	●	●	●	●	3600						●	●	●	●
1250			●	●	●	●	●	●	●	3870			●	●	●				
1280	●	●	●	●	●	●	●	●	●	3900						●	●	●	

● – Available

KOBEI®

Unlike Any Other

KOBEI® Vari Speed Belts (RMA)

EG : 1422 V 27

14 = Top Width in 1/16 Inch = 14/16 × 25.4 = 22.2 mm
22 = Pulley Groove Angle
v = Variable Speed Belt
270 = Belt Pitch Length in 1/10 Inch = 27″ × 25.4 = 685.8 mm

CONVERT TO La
EG : 1422 V 27

La = (Lp / 3.142 + T) × 3.142
La = (685.8 / 3.142 + 8) × 3.142
La = 710.94 mm
Go to nearest length 711 mm

CODE (RMA)	THICKNESS (MM)	TOP WIDTH (MM)
7.5XX V	5.0	12.0
10XX V	6.0	16.0
12XX V		19.0
14XX V	8.0	22.8
15XX V		23.8
16XX V	10.0	25.6
18XX V		28.6
19XX V		30.5
20XX V	12.0	31.8
21XX V		33.4
22XX V		35.2
23XX V		36.5
24XX V		38.4
25XX V		39.7
26XX V		41.3
28XX V		44.8
29XX V	14.0	46.0
30XX V		47.7
32XX V		50.8
34XX V		54.4
36XX V		57.6
37XX V	16.0	59.2
38XX V		60.8
40XX V		63.6
42XX V	18.0	67.2
44XX V		69.9
46XX V	20.0	73.6
48XX V		76.0
51XX V	22.0	81.6
52XX V		83.2
54XX V		86.4
56XX V	24.0	89.6
58XX V		92.8
60XX V		96.0
61XX V		97.6
62XX V		99.2

KOBEI® Vari Speed Belts (Matric La or Li)

MATRIC SIZE NUMBERING SYSTEM — La

EG : 41 × 1413

41 = Belt Top Width in mm
1413 = La
Belt Thickness Refer to Table Below
Pulley Groove Angle by Default 28 degree

MATRIC SIZE NUMBERING SYSTEM — Li

EG : 41 × 1413

41 = Belt Top Width in mm
1413 = Li
Belt Thickness Refer to Table Below
Pulley Groove Angle by Default 28 degree

CONVERT TO La
EG : 41 × 12 × 1413 Li

La = (3.142 × 2 × T) + Li
La = (3.142 × 2 × 12) + 1413
La = 1488.41
Go to nearest length 1488 mm

THICKNESS (MM)	TOP WIDTH (MM)
6.0	> 21.0
8.0	21.5 – 25.0
10.0	25.5 – 31.5
12.0	32.0 – 45.0
14.0	46.0 – 53.0
16.0	54.0 – 66.0
18.0	67.0 – 70.0
20.0	71.0 – 80.0
22.0	81.0 – 88.0
24.0	< 89.0

KOBEI®

Unlike Any Other

KOBEI® Belt Selection Chart

Drive Classification		Applications	Type of Belt		Features	KOBEI® Products Lineup for Power Transmission Belts				
			Material	Tooth Shape or Form		Type	High power-transmission	Compact-design	Flexibility	
Synchronous Power Transmission	Timing Belt	Office & Home appliances	Rubber	Round tooth	High power transmission, heat resistance, water resistance, flex fatigue resistance	S2M-S3M-S5M	●	●	●	
		General use				S8M-S14M	●	●	●	
					Multi-pulley, double-sided drive	DS3M-DS5M-DS8M-DS14M		●	●	
					Long-span drive	S2M-S3M-S5M-S8M		●	●	
					Synchronous transportation	S8M-S14M		●	●	
					Ozone resistance	S2M-S3M	●	●	●	
				Trapezoidal tooth	Synchronous Power transmission	MXL-XL-L-H-XH-XXH	●	●	●	
					Multi-pulley, double-sided drive	DXL-DL-DH		●	●	
					Long-span drive	MXL-XL-L-H		●	●	
					Synchronous transportation	L-H-XH-XXH		●	●	
					Ozone resistance	MXL-XL	●	●	●	
		Printer			Accurate positioning	MXL		●	●	
		Office & Home appliances	Polyurethane	Round tooth	Clean drive	S2M-S3M		●	●	
		General use			Long-span drive	S2M-S3M		●	●	
		Printer		Trapezoidal tooth	Accurate positioning	T80		●	●	
		Home appliances			Clean drive	T80-T2.5-T5-T10-AT5-AT10-XL-L		●	●	
					Multi-pulley, double-sided drive	DT5-DT10		●	●	
		General use			Long-span drive	T2.5-T5-T10-AT5-AT10-XL-L		●	●	
					Synchronous transportation	T5-T10-T20-AT5-AT10-AT20-XL-L-H		●	●	
Friction Forced Transmission	V-Belt	Office & Home appliances, Agricultural, General use	Rubber	Less thickness	Light-duty use, compact design	3L-4L-5L				
				Standard	General use	K-M-A-B-C-D-E				
					High power transmission		●			
					Heavy-duty use, compact design	3V-5V-8V	●	●		
					Anti-vibration	R3V-R5V-R8V	●	●		
		General use		Raw Edge Cogged: Standard type	High power transmission	AX-BX-CX	●	●	●	
						RAX-RBX-RCX	●	●	●	
				Raw Edge Cogged: Narrow width type		3VX-5VX	●	●		
						R3VX-R5VX	●	●		
		Automotive use		Raw Edge Cogged: KRPF	Abrasion resistance, flex resistance	HM-A-B-C	●	●	●	
		Motorcycle, general use		Raw Edge Cogged: Variable Speed	Lateral pressure resistance	VK-VG-RMA-Matric		●		
		Home appliances, general use	Polyurethane	Wide-angle	High-speed revolution, compact design	3M-5M-7M-11M		●		
					High-speed revolution, anti-vibration	R5M-R7M-R11M		●		
				Cogged type	Light-duty, clean dirve	MB, DMB	▲			
	V-Ribbed Belt	Office & Home appliance, general use	Rubber	Rib	Flex resistance, high power transmission, high-speed revolution	PH			●	
						PJ-PK-PL-PM	●		●	
		Automotive use				PK	●		●	
		Office & Home appliance, general use	Polyurethane		Flex resistance, high-speed revolution	PH-PJ			●	
	Round & Square Belt	General industries, agricultural machinery	Rubber	Hexagonal	Multi-pulley, double-sided drive	AA-BB-CC				
				Standard perforated V rope	Adjustable belt length	M-A-B-C	▲			
		General industries	Polyurethane	Round rope	Light-duty use	ϕ2~ϕ20	▲			
						ϕ2~ϕ20	▲			
				V rope	Adjustable belt length, processed joint	M-A-B-C	▲			
				Hexagonal rope		AA-BB-CC	▲			

Excellent...	●
Good...	No Sign
Caution...	▲
Not Suitable...	–

Application Properties									Environmental Properties						
High Speed drive	Multi-Pulley	Joint processing	Smooth operation	Continuous speed change	Back side drive	Back side tension	Alignment	Frequent start & stop	Heat resistance	Water resistance	Oil resistance	Acid resistance	Alkali resistance	Noise	Vibration
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KOBEI®

Unlike Any Other

Trouble Shooting Of KOBEI® Belts

Problem	Probable Cause																			
	Excessive Oil	Exposure to Elements	Levered over Pulley	Contact with Obstruction	Insufficient Tension	Stalled Driven Pulley	Constant Slippage	Rough Pulley	Sub Standard Pulley	Excessive Tension	Shock Load	Foreign Material	Excessive Dust	Drive Misalignment	Worn Pulleys	Excessive Vibration	High Ambient Temperature	Incorrect Design	Damaged Tensile Member	Incorrect Belts
Loose Cover & Swell	●																			
Weathering or Cracks		●																		
Gouges			●	●																
Spin Burn					●	●									●					
Evelope Wear							●						●							
Uneven Evelope Wear								●	●											
Ply Separation									●	●										
Side Split									●											
Broken Belts			●								●	●						●	●	
Belt Turn Over					●									●	●	●				
Hardening & Premature Cracking																	●			
Belt Squeal					●						●				●					
Excessive Stretch										●					●			●		
Excessive Vibration					●				●										●	
Belts too Long at Installation															●					●
Belts too Short at Installation																				●
Mismatched Belts at Installation															●					

On many occasions the belt was “blamed” for problems. Actually, in several situations the problem was not with the belt but with the non-observance of one or more of the points listes above and the lack of corrective action in the transmission syster

							Solutions																
Incorrect Drive Set Up	Insufficient Take-up	Improper Matching	Mixed Old & New Belts	Non Parallel Shafts	Different Manufacturers	Belt/Pulley Incompatible	Clean Pulleys & Belts	Replace Belts	Provide Protection	Install Property	Check Belt Length	Remove Obstruction	Tension Property	Replace Pulleys	File Smooth	Redesign Drive	Align Drive	Provide Ventilation	Check for Proper Belt	Check Machinery	Use only New Belts	Use Single Source	Check Fit
							●		●														
								●	●														
										●	●	●											
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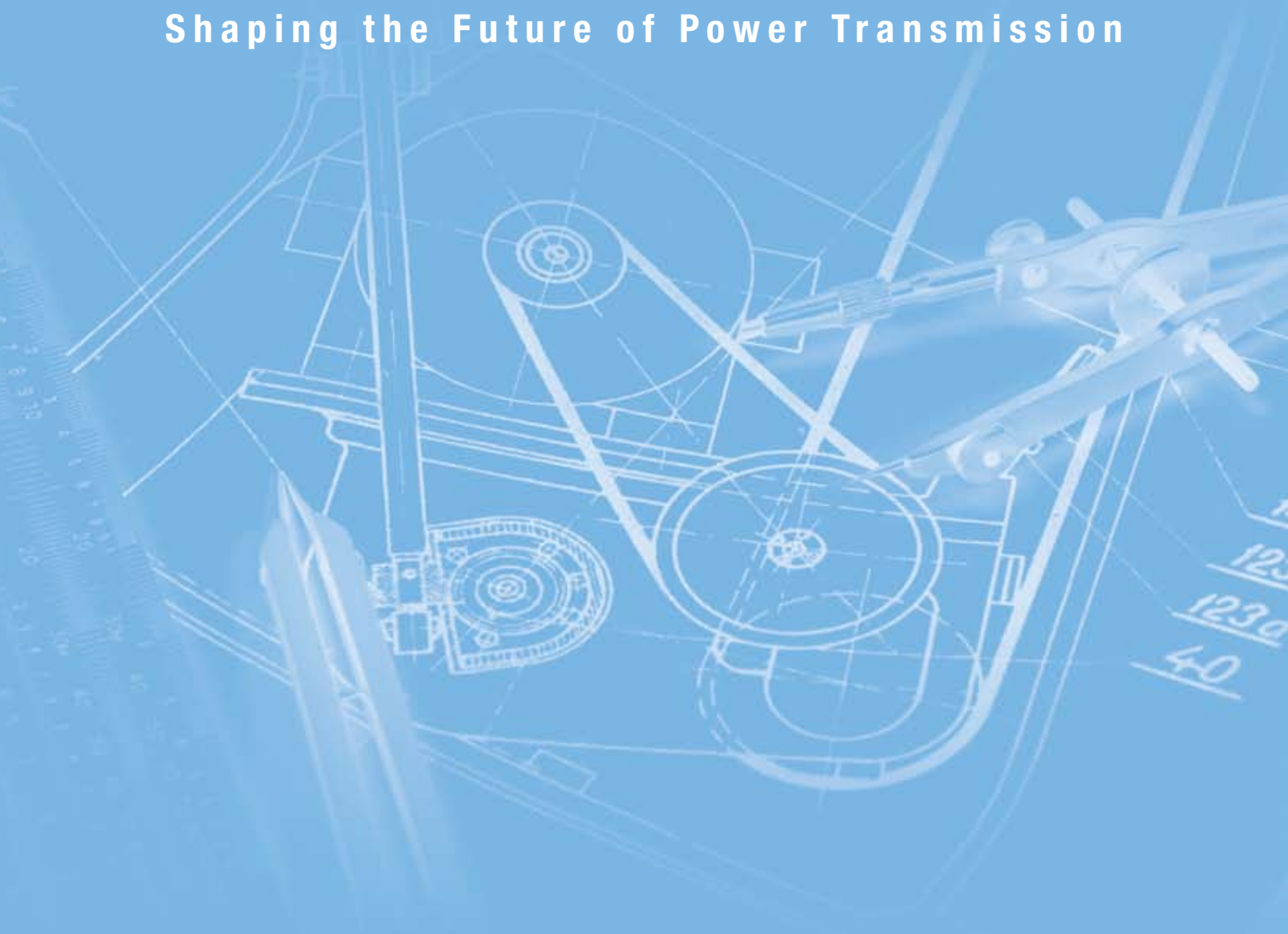
n. In order to offer convenience to our customers, KOBE® has prepared the chart as a quick reference about problems that might be related to elements of the system other than the belts.

Shaping the Future of Power Transmission



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