

V-BELT PULLEYS

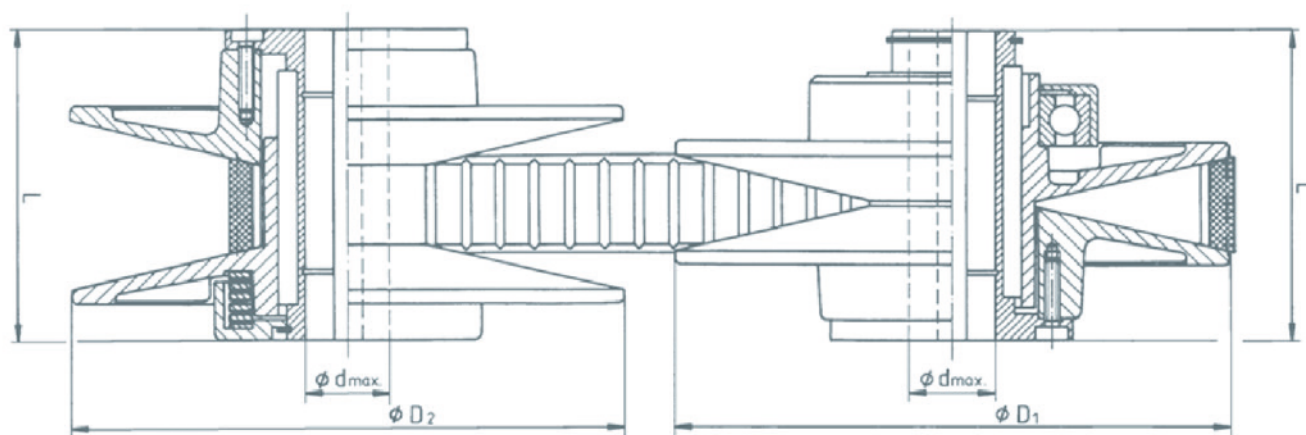
Double Pulley Drive for wide V-belts

RF b
 $P_{1max.} = 160 \text{ kW}$

Mechanical pulley Rb, mounted on driving shaft (motor shaft) and spring-loaded pulley Fb, mounted on driven shaft, combine into the pulley set RF b with invariable centre distance. Applicable for reverse direction.

* reverse arrangement possible on request

RF b



type	control range	motor	kW	n max.	n min.	P max.	P min.	D ₁	L	D ₂	d _{max}	dimensions V-belt
RF 080 b	1: 5,5	1370	0,37	3210	585	0,33	0,17	91,4	50	91,4	14	17 x 5
RF 100 b	1: 5,5	1390	1,5	3260	595	1,35	0,55	120	72	120	24	22 x 7
RF 130 b	1: 7,0	1390	1,5	3680	526	1,35	0,53	135	72	135	24	22 x 7
RF 190 b	1: 10,5	1390	1,5	4500	430	1,35	0,75	190	90	190	25	28 x 8
RF 150 b	1: 6,5	1410	3,0	3595	555	2,7	0,9	159	90	159	28	28 x 8
RF 190 b	1: 9,0	1410	3,0	4230	470	2,7	0,8	190	90	190	28	28 x 8
RF 196 b	1: 8,0	1430	4,0	4040	505	3,6	1,2	198	110	198	28	33 x 10
RF 235 b	1: 10,5	1430	4,0	4630	445	3,6	1,6	236	122	236	32	37 x 10
RF 210 b	1: 7,5	1450	7,5	3970	530	6,7	1,9	220	122	220	38	37 x 10
RF 250 b	1: 7,5	1450	11,0	3970	530	9,9	2,7	255	145	255	42	47 x 12
RF 280 b	1: 8,5	1455	15,0	4240	500	13,5	4,1	296	162	296	42	55 x 15
RF 300 b	1: 7,2	1460	22,0	3920	545	19,8	6,3	305	185	305	48	51 x 16
RF 350 b	1: 7,4	1465	30,0	4000	540	27,0	9,6	346	195	346	55	70 x 18
RF 375 b	1: 5,3	1475	45,0	2760	520	40,5	16,0	346	220	390	60/65*	83 x 23
RF 400 b	1: 5,0	1475	55,0	2575	515	49,5	16,8	372	220	420	65	83 x 23
RF 450 b	1: 4,4	1480	75,0	2800	630	67,5	21,2	450	280	470	80	83 x 26
RF 500 b	1: 4,0	1480	110,0	1994	503	99,0	36,5	470	280	580	80	83 x 26
RF 600 b	1: 3,0	1480	160,0	1965	655	145,0	75,0	506	360	596	100	87 x 28

* F375b

Your sales partner:

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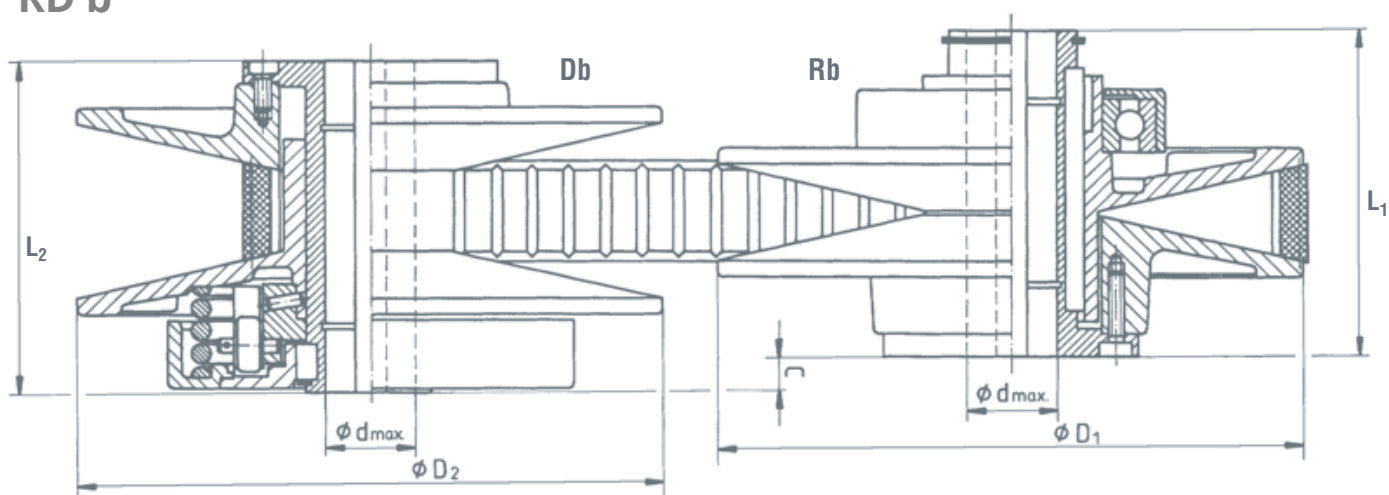
V-BELT PULLEYS

Double Pulley Drive for wide V-belts

RD b $P_{1max.} = 160 \text{ kW}$

In addition to the compression springs, this drive unit has got a torque-dependent control cam for absorbing sudden, excessive loads or torque peaks on the output side.

RD b



RD b

type	control range	motor	kW	n max.	n min.	P max.	P min.	D ₁	L ₁	D ₂	L ₂	d _{max.}	C	dimen- sions V-belt
RD 210 b	1:7,5	1450	7,5	3970	530	6,7	1,9	220	122	220	135	38	21	37 x 10
RD 280 b	1:8,5	1455	15,0	4240	500	13,5	4,1	296	162	296	182	42	35,5	55 x 15
RD 350 b	1:7,4	1465	30,0	4000	540	27,0	9,6	346	195	346	215	55	38	70 x 18
RD 400 b	1:5,0	1475	55,0	2575	515	49,5	16,8	372	220	420	250	65	33	83 x 23
RD 500 b	1:4,0	1480	110,0	1994	503	99,0	36,5	470	280	580	305	80	25	83 x 26
RD 600 b	1:3,0	1480	160,0	1965	655	145,0	75,0	506	360	596	400	90	40	87 x 28

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V-BELT PULLEYS

Single Pulley Drive for wide V-belts

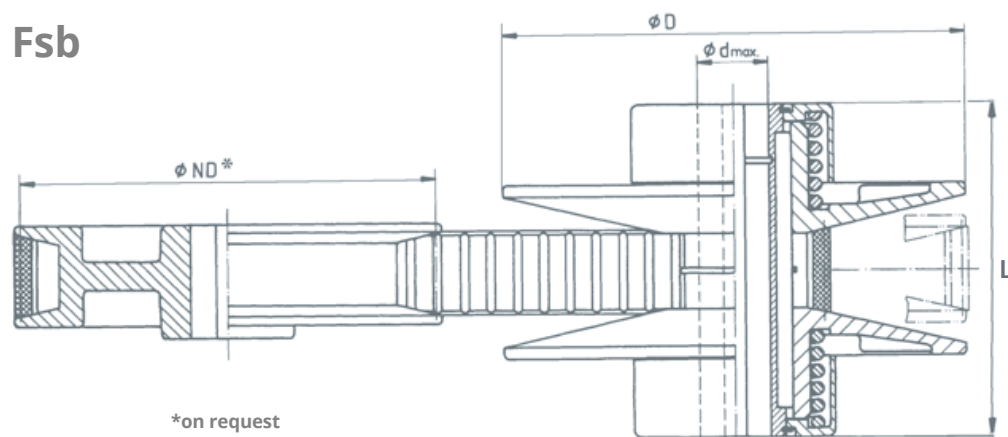
Fsb

P_{1 max.} = 55 kW

The spring pulley (Fsb), which opens on both sides, is combined with a fixed counter pulley.

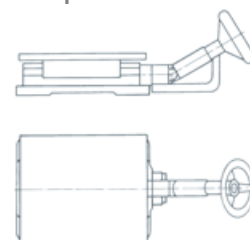
The speed is to be adjusted by changing the centre distance using a motor slide or rocker.

Fsb



**Berges-
motor slide**

on request



Fsb

type	control range	motor	kW	P max.	P min.	D ₁	L	d _{max.}	dimensions V-belt
F 100 sb	1:2,3	1380	0,75	0,67	0,29	120	80	24	22 x 7
F 130 sb	1:2,6	1380	0,75	0,67	0,26	135	80	24	22 x 7
F 150 sb	1:2,5	1410	1,5	1,35	0,53	159	115	28	28 x 8
F 190 sb	1:3,2	1410	1,5	1,35	0,43	190	115	28	28 x 8
F 210 sb	1:2,7	1420	3,0	2,7	1,2	220	148	38	37 x 10
F 235 sb	1:3,2	1420	3,0	2,7	1,0	236	148	32	37 x 10
F 250 sb	1:2,7	1430	4,0	3,6	1,5	255	170	42	47 x 12
F 280 sb	1:2,9	1450	7,5	6,7	2,2	296	190	42	55 x 15
F 325 sb	1:2,8	1450	11,0	9,9	4,6	346	240	48	70 x 18
F 350 sb	1:2,7	1460	18,5	16,6	7,0	346	240	55	72 x 22
F 400 sb	1:2,7	1475	30,0*	27,0	11,4	400	300	65	83 x 23

* P1 max = 55 kW with spring pulley on drive shaft

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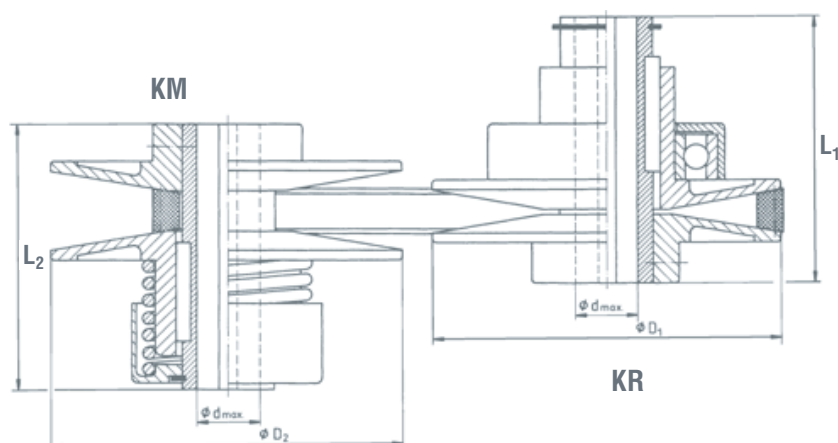
V-BELT PULLEYS

Double Pulley Drive for normal V-belts

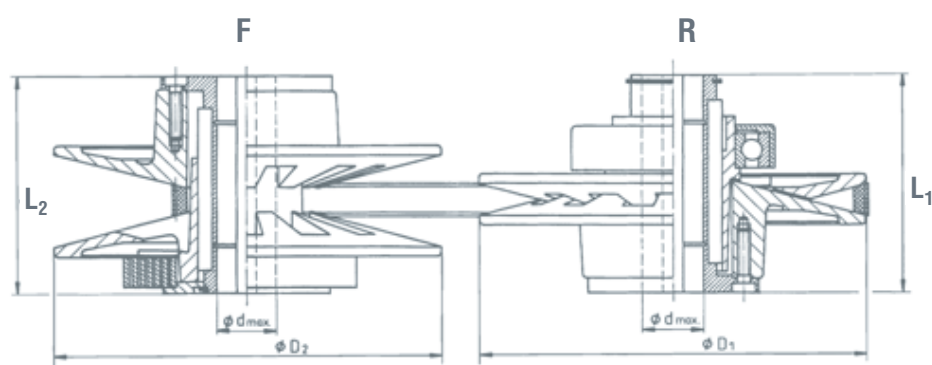
KRM + RF $P_{1max.} = 5,5 \text{ kW}$

These drive units are designed for use with normal V-belts for special applications.
The sheaves of the KRM series are flat disks, those of the RF series have got a comb-shaped surface.

KRM



RF



KRM

type	control range	motor	kW	n max.	n min.	P max.	P min.	D ₁	L ₁	D ₂	L ₂	d _{max.}	dimen- sions V-belt
KRM 80.10	1:6,0	1370	0,37	3350	560	0,33	0,13	80	60	80	65	14	10 x 6
KRM 105.13	1:6,0	1370	0,75	3350	560	0,68	0,40	105	80	105	80	20	13 x 8
KRM 127.17	1:6,0	1420	1,1	3480	580	1,0	0,44	127	80	127	80	25	17 x 11

RF

Typ	control range	motor	kW	n max.	n min.	P max.	P min.	D ₁	L ₁	D ₂	L ₂	d _{max.}	dimen- sions V-belt
RF 100	1:5,0	1370	0,37	3065	612	0,33	0,15	110	72	110	72	24	10 x 6
RF 150	1:6,5	1410	1,5	3595	553	1,35	0,46	158	90	158	90	28	13 x 8
RF 210	1:8,0	1420	3,0	4010	502	2,7	1,1	220	122	220	122	32	17 x 11
RF 280	1:8,5	1450	5,5	4230	497	4,9	2,6	292	162	292	162	42	22 x 14

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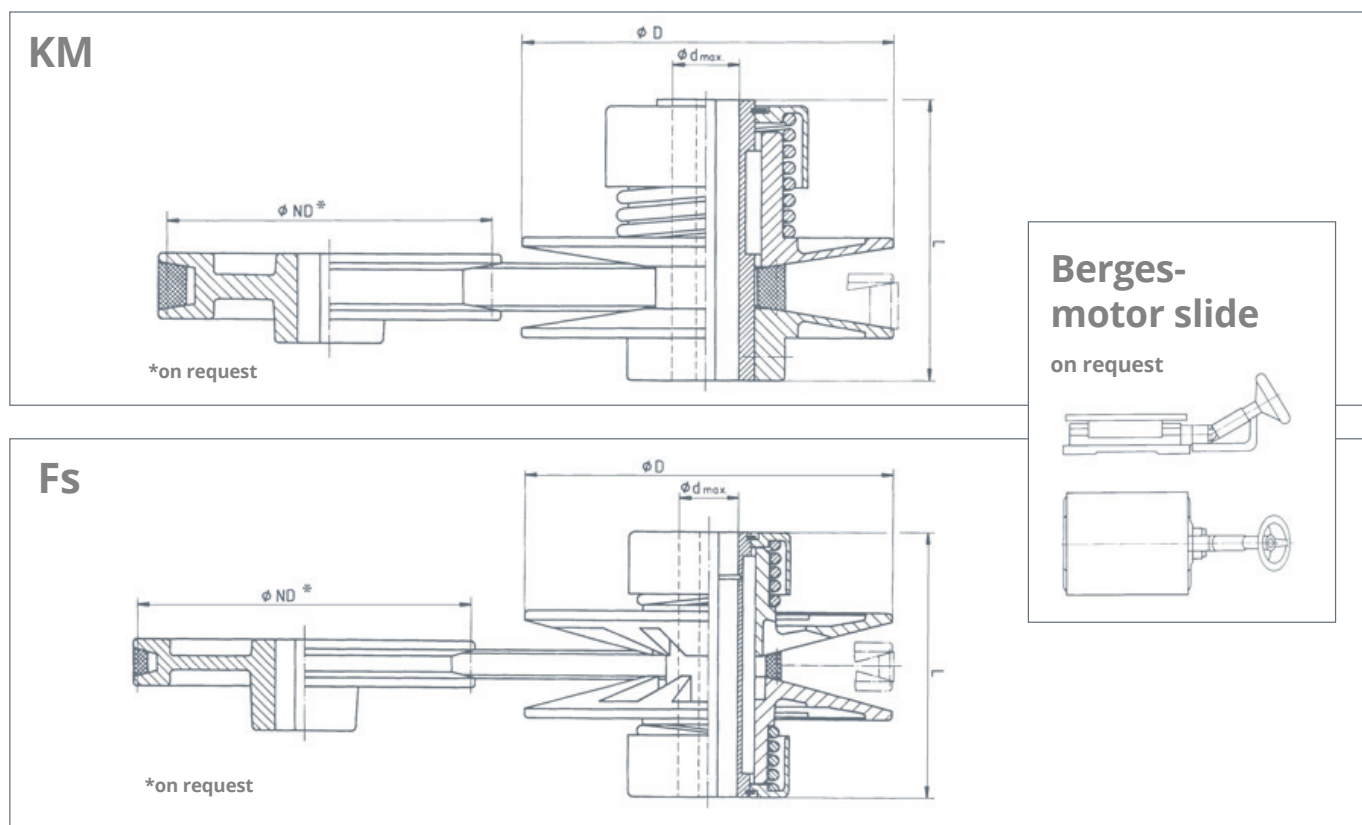
V-BELT PULLEYS

Single Pulley Drive for normal V-belts

KM + Fs $P_{1max.} = 5,5 \text{ kW}$

This single pulley drive for normal V-belts is assigned to a fixed counter pulley.

The spring-loaded pulley is designed either to open on one side (KM) with a flat sheave or to open on both sides (Fs) with comb-shaped sheaves. The speed can be adjusted by changing the centre distance using a motor slide or a rocker.



KM

type	control range	motor	kW	P max.	P min.	D_1	L	$d_{max.}$	dimensions V-belt
KM 80.10	1:2,4	1350	0,18	0,16	0,07	80	65	14	10 x 6
KM 105.13	1:2,4	1380	0,55	0,5	0,20	105	80	19	13 x 8
KM 127.17	1:2,4	1380	0,75	0,67	0,28	127	80	24	17 x 1

Fs

type	control range	motor	kW	P max.	P min.	D_1	L	$d_{max.}$	dimensions V-belt
F 100 s	1:2,2	1370	0,37	0,33	0,8	110	80	24	10 x 6
F 150 s	1:2,5	1410	1,1	1,0	0,4	158	115	28	13 x 8
F 210 s	1:2,8	1420	3,0	2,8	0,9	220	148	38	17 x 11
F 280 s	1:2,9	1450	5,5	5,0	1,7	292	190	42	22 x 14

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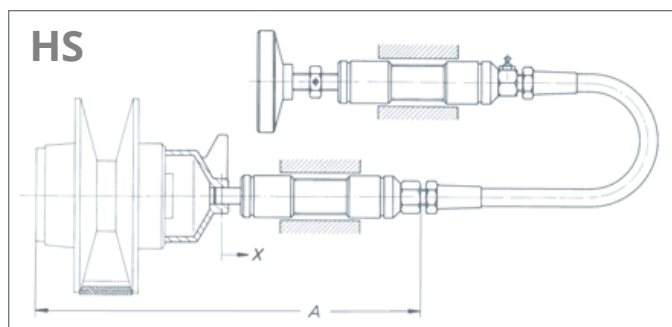
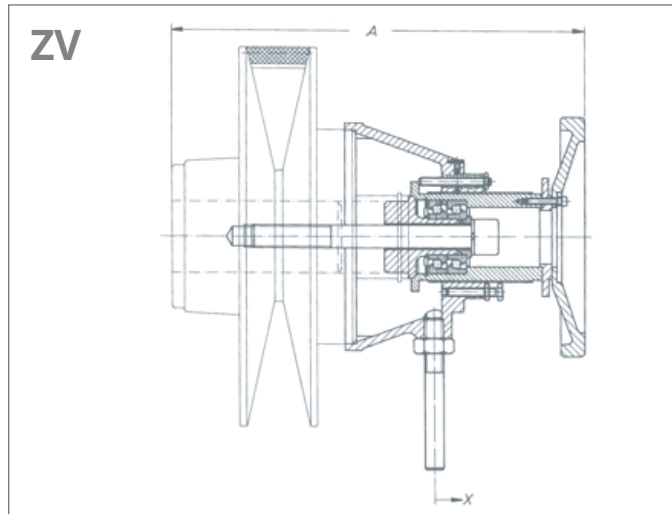
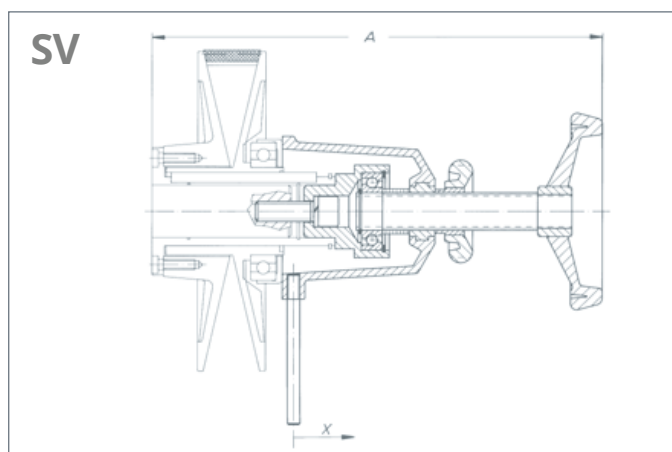
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V-BELT PULLEYS

Speed adjustment devices for Double Pulley Drives

SV · ZV · HS

The pulley drive and the adjusting element are centrically mounted on the drive shaft together.
The advantage of this assembly is, that additional axial loads on the motor shaft bearings do not occur.



SV

size	type	adjustment way		A
		x_1	x_2	
105.13	SV1	–	10,2	236
100 (b)	SV1	15,9	16,1	228
130 b	SV1	17,9	–	228
127.17	SV2	–	13,4	262
150 (b)	SV2	21,9	24,7	272
190 b	SV2	24,1	–	272
196 b	SV2	27,0	–	292
210 (b)	SV2	30,6	37,5	304
235 b	SV2	31,5	–	304
250 b	SV3	36,9	–	356
280 (b)	SV3	44,0	51,5	373
300 b	SV3	40,4	–	396
350 b	SV3	51,7	–	406

ZV

size	type	adjustment way		A
		x_1	x_2	
375 b	ZV 375	48,2	–	386
400 b	ZV 400	49,8	–	368
450 b	ZV 450/500	56,8	–	464
500 b	ZV 450/500	58,3	–	464
600 b	ZV 600	61,3	–	610

HS

size	type	adjustment way		A
		x_1	x_2	
100 b	HS 100-130	15,9	16,1	263
130 b	HS 100-130	17,9	–	263
150 (b)	HS 150-196	21,9	24,7	298
190 b	HS 150-196	24,1	–	298
196 b	HS 150-196	27,0	–	310
210 (b)	HS 210-235	30,6	37,5	332
235 b	HS 210-235	31,5	–	332
250 b	HS 250-280	36,9	–	360
280 (b)	HS 250-280	44,0	51,5	387

x_1 = Regulation for wide V-belt
 x_2 = Regulation for normal V-belt

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