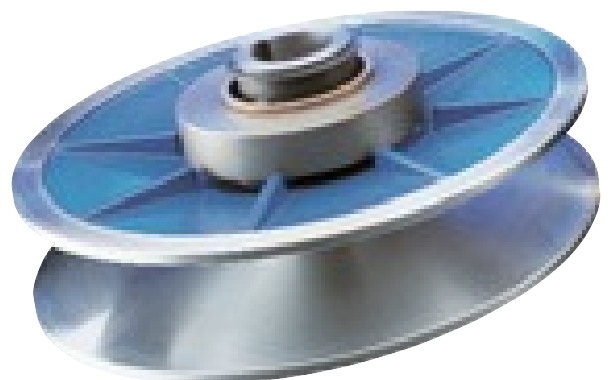
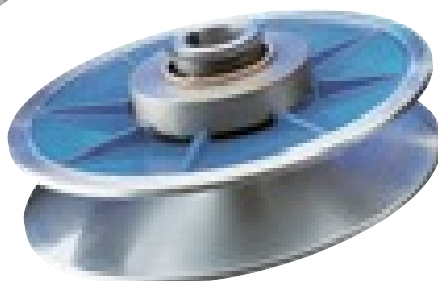
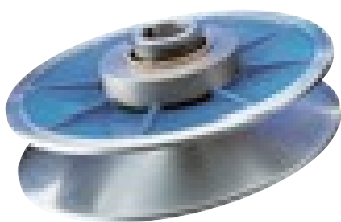




VARIABLE SPEED PULLEYS at



T: 01553 761331

E: sales@discodrives.co.uk

W: www.discodrives.co.uk

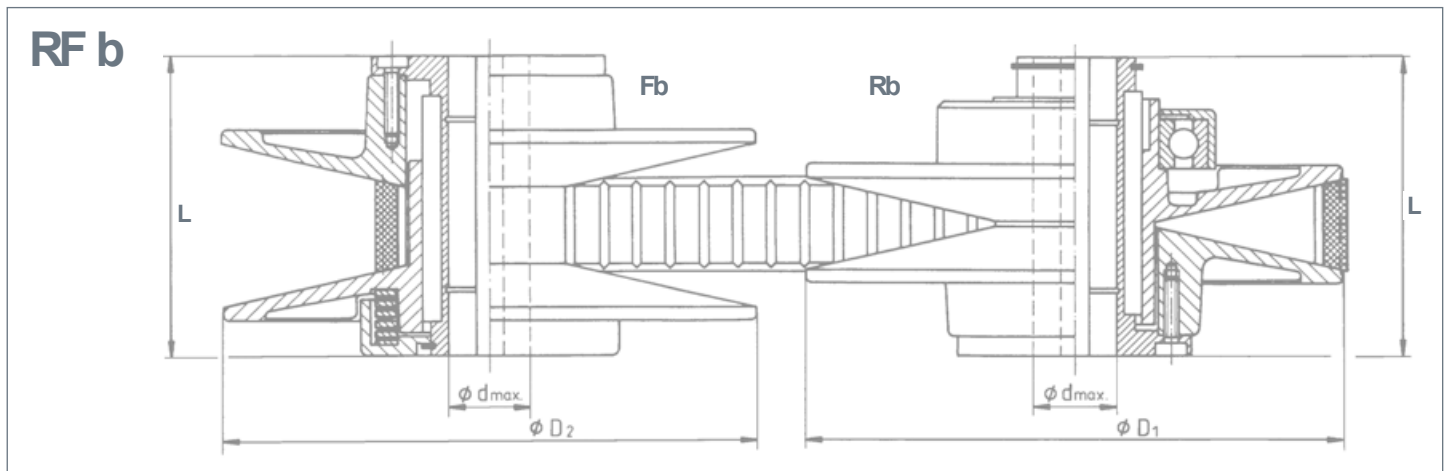
RF b PULLEYS (FIXED CENTRES)

RF b P1 max. = 160 kW

Double pulley drive for wide V-belt

Mechanical adjusting disc Rb, adjusting disc Fb, mounted on driven shaft *, form the adjustment disc set RF b with constant axial distance. Also suitable for reversed operation. Optimal characteristics of the compression springs in the spring-loaded adjusting disc guarantee a favourable performance ratio in the entire control range.

* Reverse arrangement possible on request



RFb:

Type	Ratio	Motor Speed	Motor kW	$n_{max.}$	$n_{min.}$	$P_{max.}$	$P_{min.}$	D_1	L	D_2	$d_{max.}$	Belt Profile
RF 80 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

STOCK CARRIED IN THE UK

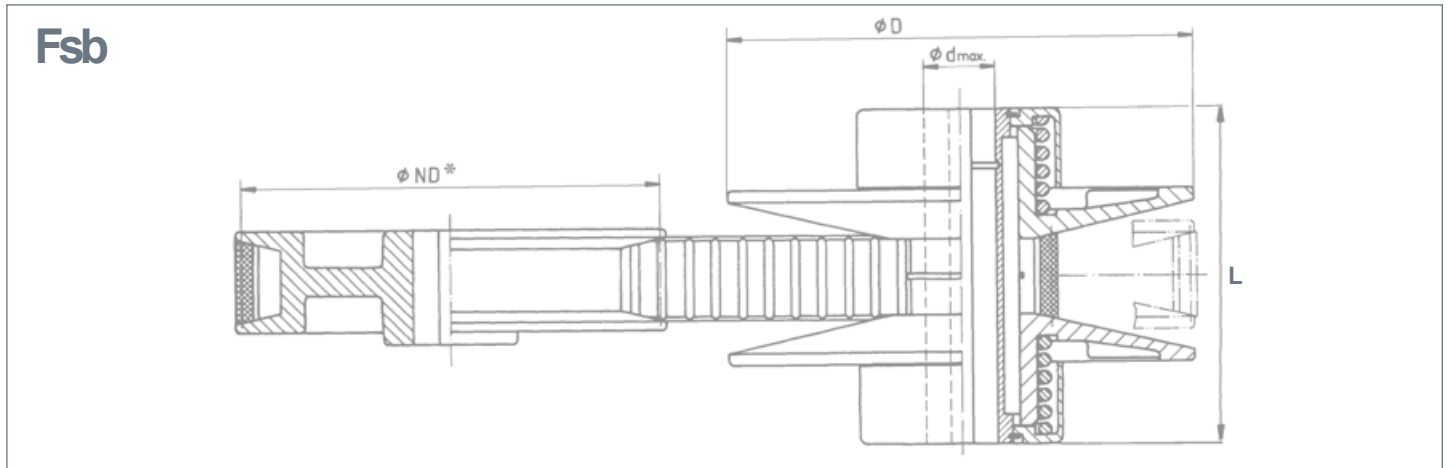
Rsb PULLEYS (VARIABLE CENTRES)

Fsb P1 max. = 55 kW

Single-disc pulley drive for wide V-belts

In this system, the bilaterally opening spring washer (Fsb) is combined with a fixed counter pulley. The speed is adjusted by changing the centre distance via a slide base or rocker.

By default, the spring-loaded adjusting disc is mounted on the drive shaft. Reverse arrangement possible on request.

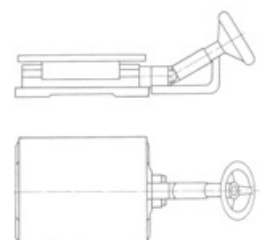


Fsb:

Type	Ratio	Motor Speed	Motor kW	$P_{max.}$	$P_{min.}$	D_1	L	$d_{max.}$	Belt Profile
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 181 sb	1 : 2,8	1410	1,5	1,35	0,48	184	108	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

STOCK CARRIED IN THE UK

SLIDE BASE ILLUSTRATION



RD b PULLEYS (FIXED CENTRES)

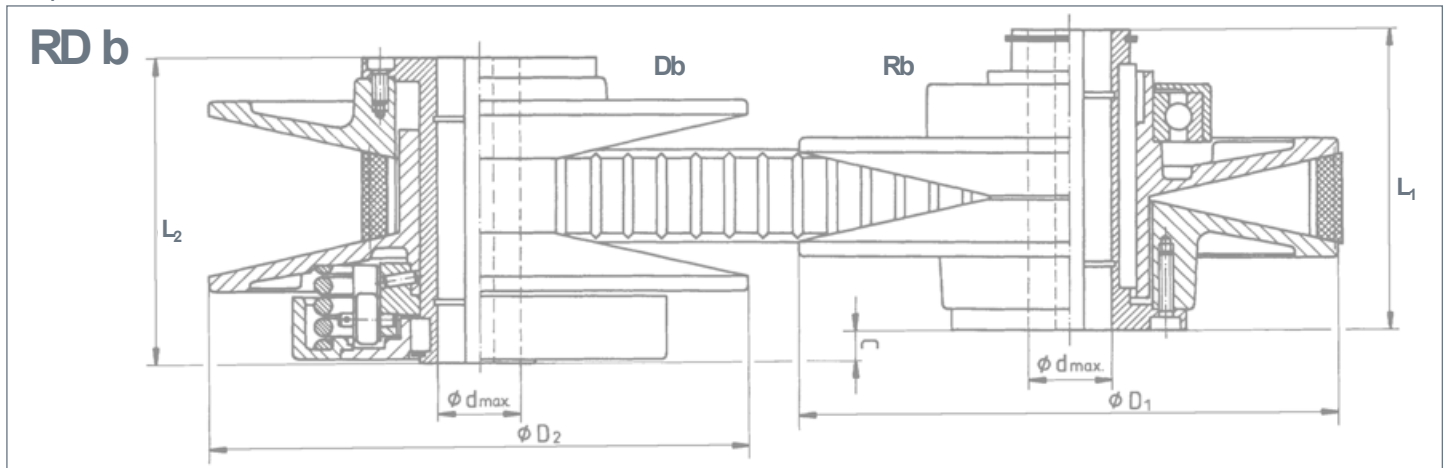
RD b P1 max. = 160 kW

Double pulley drive for wide V-belts

This drive unit has on the output side, in addition to the compression springs, a torque-dependent control cam for the receiving of impulsive, excessive loads or torque peaks.

Until the nominal power is reached, the driven pulley works as a spring washer. Thereafter, the integrated cam takes over and leaves the driven pulley acting like a rigid V-belt drive.

The double-disc drive RD b thus offers high security against overload. Not suitable for reversing operation.



RD b:

Type	Ratio	Motor Speed	Motor kW	$n_{max.}$	$n_{min.}$	$P_{max.}$	$P_{min.}$	D_1	L_1	D_2	L_2
RD 210 b	1 : 7,5	1450	7,5	3970	530	6,7	1,9	220	122	220	135
RD 280 b	1 : 8,5	1455	15,0	4240	500	13,5	4,1	296	162	296	182
RD 350 b	1 : 7,4	1465	30,0	4000	540	27,0	9,6	346	195	346	215
RD 400 b	1 : 5,0	1475	55,0	2575	515	49,5	16,8	372	220	420	250
RD 500 b	1 : 4,0	1480	110,0	1994	503	99,0	36,5	470	280	580	305
RD 600 b	1 : 3,0	1480	160,0	1965	655	145,0	75,0	506	360	596	400

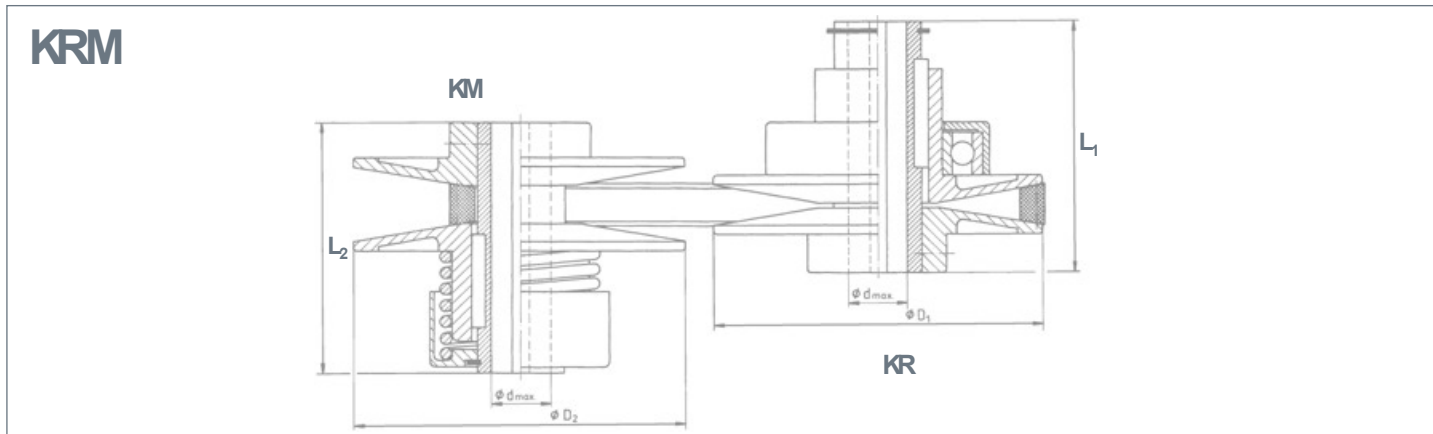
Type	$d_{max.}$	C	Belt Profile
RD 210 b	38	21	17 x 5
RD 280 b	42	35,5	22 x 7
RD 350 b	55	38	22 x 7
RD 400 b	65	33	28 x 8
RD 500 b	80	25	28 x 8
RD 600 b	90	40	28 x 8

KRM + RF PULLEYS (FIXED CENTRES)

KRM + RF P1 max. = 5,5 kW

Double disc drive for standard V-belts

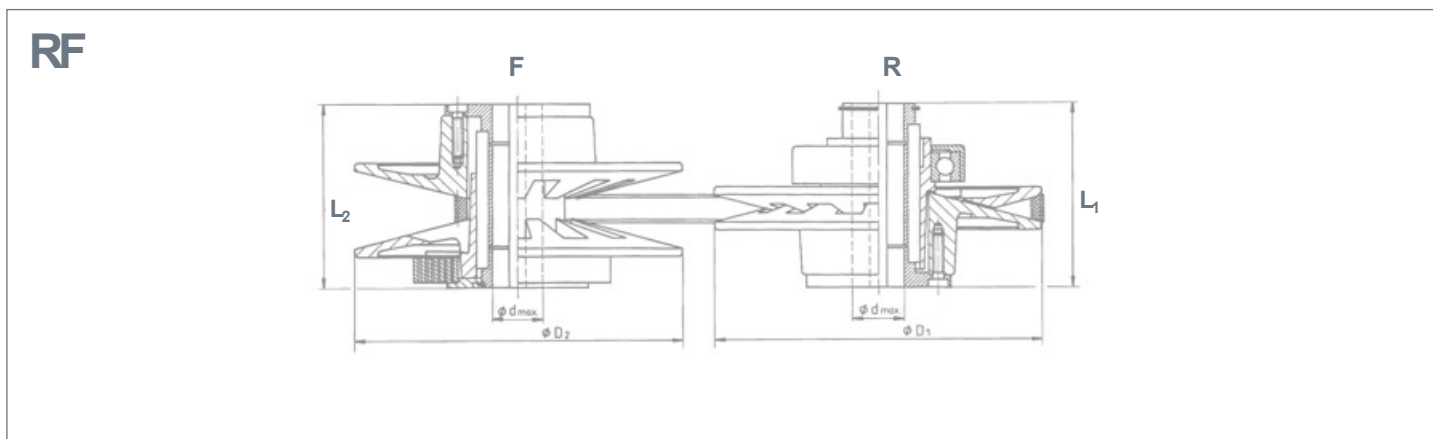
These drive units are designed for use with standard V-belts for special applications. The discs of the KRM types are here as smooth discs, the RF types designed as interlocking discs.



KRM:

Type	Ratio	Motor Speed	Motor kW	$n_{max.}$	$n_{min.}$	$P_{max.}$	$P_{min.}$	D_1	L_1	D_2	L_2
KRM 80.1	1 : 6,0	1370	0,37	3350	560	0,33	0,13	80	60	80	65
KRM 105.13	1 : 6,0	1370	0,75	3350	560	0,68	0,40	105	80	105	80
KRM 127.17	1 : 6,0	1420	1,1	3480	580	1,0	0,44	127	80	127	80

Type	$d_{max.}$	Belt Profile
KRM 80.1	14	10 x 6
KRM 105.13	20	13 x 8
KRM 127.17	25	17 x 11



RF:

Type	Ratio	Motor Speed	Motor kW	$n_{max.}$	$n_{min.}$	$P_{max.}$	$P_{min.}$	D_1	L_1	D_2	L_2
RF 100	1 : 5,0	1370	0,37	3065	612	0,33	0,15	110	72	110	72
RF 150	1 : 6,5	1410	1,5	3595	553	1,35	0,46	158	90	158	90
RF 210	1 : 8,0	1420	3,0	4010	502	2,7	1,1	220	122	220	122
RF 280	1 : 8,5	1450	5,5	4230	497	4,9	2,6	292	162	292	162

Type	$d_{max.}$	Belt Profile
RF 100	24	10 x 6
RF 150	28	13 x 8
RF 210	32	17 x 11
RF 280	42	22 x 14

KM + Fs PULLEYS (FIXED CENTRES)

KM + Fs P1 max. = 5,5 kW

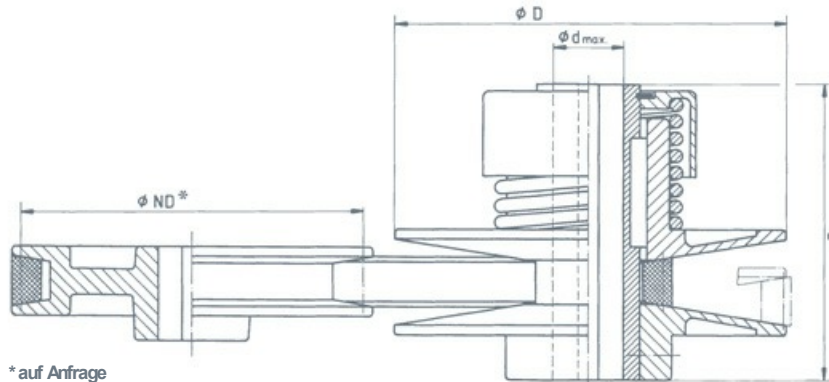
Single-disk drive for standard V-belts

These single-disk drives for normal V-belts each have a fixed counter-pulley.

The spring-loaded adjustment disc opens either one-sided (KM) as plain or double-sided (Fs)

interlocked discs. The assembly is standard on the drive shaft. The speed is adjusted by changing the centre distance via a slide base or rocker. Reverse arrangement possible on request.

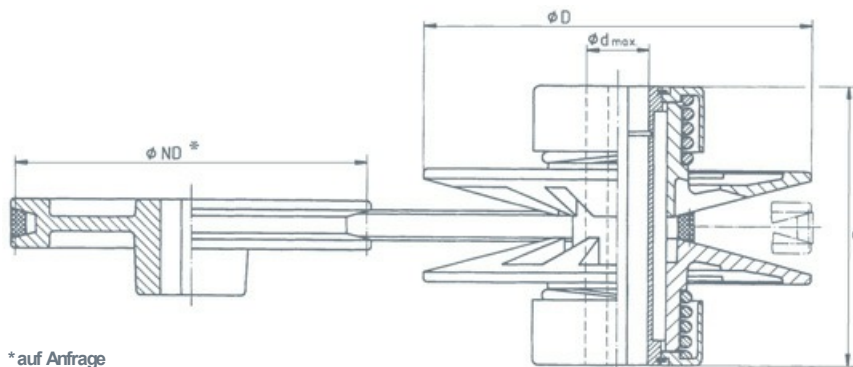
KM



KM:

Type	Ratio	Motor Speed	Motor kW	$P_{max.}$	$P_{min.}$	D_1	L	$d_{max.}$	Belt Profile
KM 80.1	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

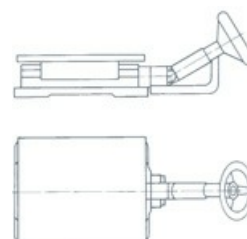
Fs



Fs:

Type	Ratio	Motor Speed	Motor kW	$P_{max.}$	$P_{min.}$	D_1	L	$d_{max.}$	Belt Profile
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

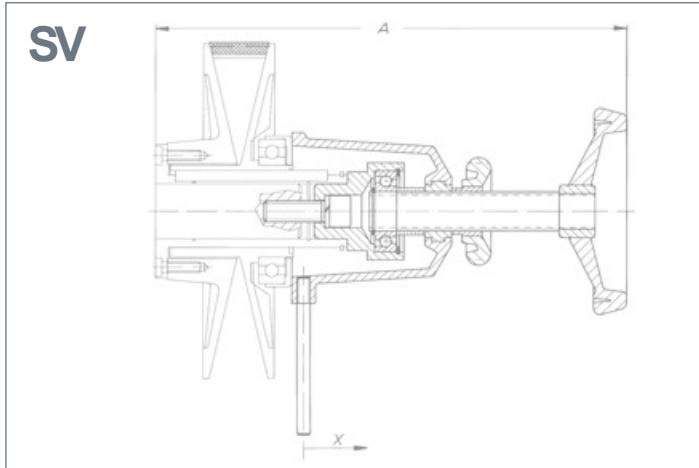
SLIDE BASE ILLUSTRATION



Speed adjustments for double-disk drives

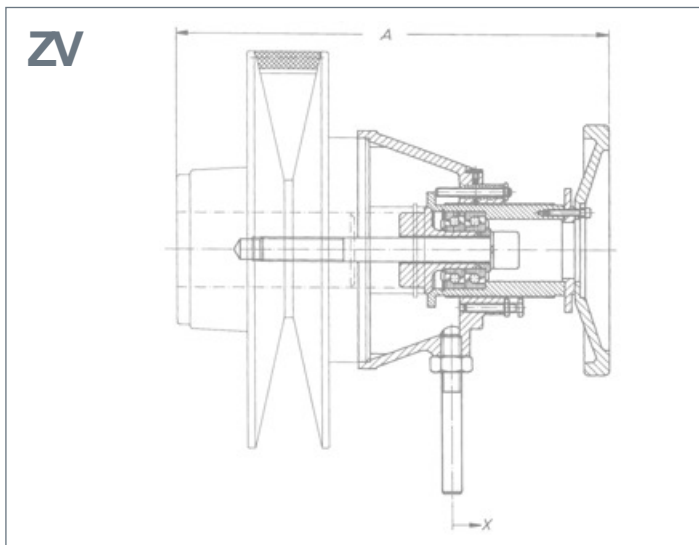
Adjusting disk and adjusting member are fastened together centrally on the drive shaft. This arrangement has the advantage no additional axial loads on the motor shaft bearing.

The hand wheels are also available as scale hand wheels.



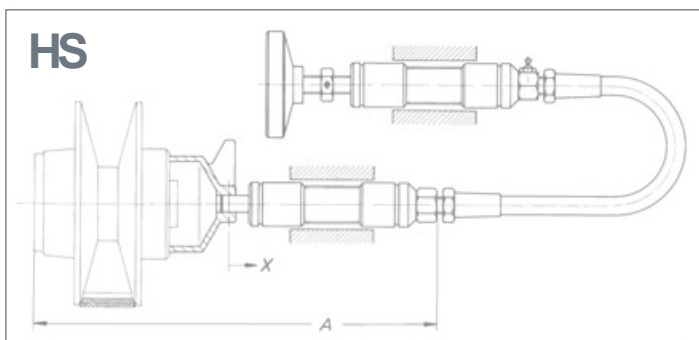
SV:

Size	Type	Adjustment stroke		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 stroke		A
		X ₁	X ₂	
375 b	ZV375	48,2	–	386
400 b	ZV400	49,8	–	368
450 b	ZV450/500	56,8	–	464
500 b	ZV450/500	58,3	–	464
600 b	ZV600	61,3	–	610



HS:

Size	Type	Adjustment stroke		A
		X ₁	X ₂	
100 b	ZV600	15,9	16,1	263
130 b	ZV600	17,9	–	263
150 b	ZV600	21,9	24,7	298
190 b	ZV600	24,1	–	298
196 b	ZV600	27,0	–	310
210 b	ZV600	30,6	37,5	332
235 b	ZV600	31,5	–	332
250 b	ZV600	36,9	–	360
280 b	ZV600	44,0	51,5	387

X₁ = Adjustment for wide V-belt

X₂ = Adjustment for standard V-belt