

Variable speed V-belt pulleys



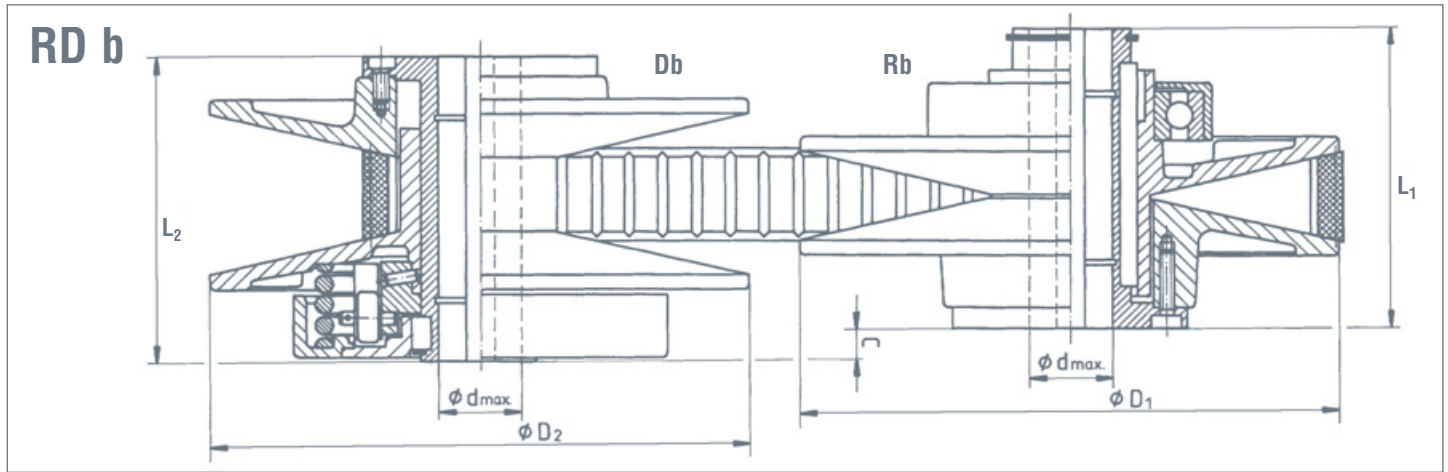
Double pulley drive for wide V-belts

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

This drive unit has a torquedependent control cam in addition to the pressure springs to absorb intermittent overloading or torque peaks.

The output pulley operates as a spring pulley up to the nominal power. From this point, the integrated control cam makes the output pulley function like a rigid V-belt drive.

Double pulley drives of the type RD b therefore offer a high level of protection against overloading. Not suitable for reversing operation.



RD b:

Type	Speed range	Motor	kW	n max.	n min.	P max.	P min.	D ₁	L ₁	D ₂	L ₂	d _{max.}	C	Wide 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