



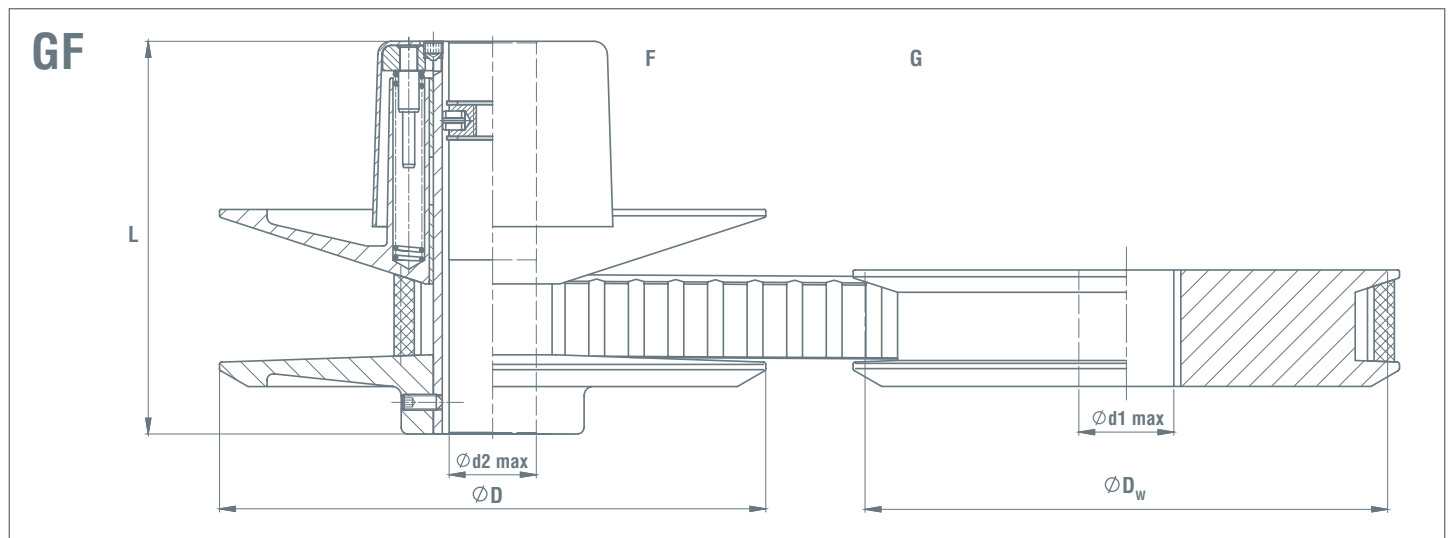
Asymmetrically variable speed pulleys

Single pulley drives GF

GF $P_{1 \max.} = 45 \text{ kW}$

- Asymmetrical drive units FG for 1,1–45 kW motor ratings, comprising:
- fixed-diameter driven pulley mounted on the motor shaft
 - spring-loaded regulating pulley F mounted on the machine or gear shaft

The axial pressure on the V-belts is exerted by compression springs with optimally dimensioned characteristics. Speed variation is achieved by changing the centre-to-centre distance by means of a sliding motor base plate. Speed variation within ratio of 1:3. This system provides an almost constant output power over the complete regulating range.



Single pulley drives GF:

Type	Speed-range max.	Motor n_1 in 1/min	Motor $P_{1 \max}$ in kW	$n_2 \max$ 1/min	$n_2 \min$ 1/min	$P_2 \max$ kW	$P_2 \min$ kW	D1 mm	L1 mm	d max. mm	Dw F mm	dw F mm	Dw G mm	Wide V-belt mm
GF1	2,5	1470	1,1	3570	1395	1,0	0,6	125	88	20	118	46	112	18
GF2	3,0	1470	2,2	3340	1115	2,0	1,8	175	103	24	165	55	125	27
GF2	3,0	1470	3,0	4275	1425	2,7	2,3	175	103	24	165	55	160	27
GF3	3,0	1470	2,2	2450	825	2,0	1,7	210	120	28	200	67	112	30
GF3	3,0	1470	4,0	3510	1175	3,6	3,1	210	120	28	200	67	160	30
GF4	3,0	1470	5,5	2635	880	5,0	4,00	245	150	38	234	78	140	36
GF4	3,0	1470	11,0	3770	1255	9,9	7,4	245	150	38	234	78	200	36
GF5	3,0	1470	11,0	2120	705	9,9	6,5	285	177	45	272	90	130	42
GF5	3,0	1470	15,0	4080	1350	13,5	10,0	285	177	45	272	90	250	42
GF6	3,0	1470	22,0	3340	1115	19,8	14,0	345	248	60	330	110	250	52
GF6	3,0	1470	22,0	4200	1405	19,8	18,0	345	248	60	330	110	315	52
GF7	2,5	1470	37,0	3260	1305	33,3	31,0	415	248	60	400	160	355	57
GF7	2,5	1470	45,0	3674	1470	40,5	37,0	415	248	60	400	160	400	57
GF8	2,1	1470	37,0	2600	1200	33,5	33,0	450	312	80	432	200	355	57
GF8	2,1	1470	45,0	2940	1365	40,5	39,0	450	312	80	432	200	400	57