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# CMV Planetenverstellgetriebe mit Schneckengetriebe

## Beschreibung

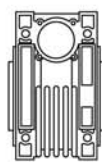
CMV = CM - Schneckengetriebe und VAM - Planetenverstellgetriebe.

- Präzise Drehzahlregulierung ( +/- 0,5/1% )
- Inkl. Handrad mit +/- Anzeige
- Handrad mit Gravitationsanzeige optional erhältlich.
- Regelbereich 5 : 1
- Gehäusematerial der Verstellgetriebe VAM 018, 037 und 075 = Aluminium.  
Ab Baugröße 15 = Grauguss.
- Die Gehäuse der Schneckengetriebe CM 040 bis 090 sind aus Aluminium gefertigt.  
Die Baugrößen ab 110 sind aus Grauguss.

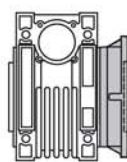
## Bezeichnungen

Getriebe					Motor				
CMV	040/037	FD	20	B3/1	0.37	4	230/400	50Hz	T1
Typ	Baugröße	Version	Unter- setzung	Bauform	Leistung	Anzahl Pole	Spannung	Frequenz	Klemmenkasten- lage
CMV	040/018 — 130/40	U FD FS FBD FBS FLD FLS			0.18 — 4	2 4	—	50Hz 60Hz	

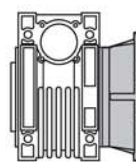
## Ausführungsvarianten Schneckengetriebe CM



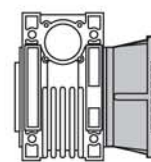
U



F



FB



FL

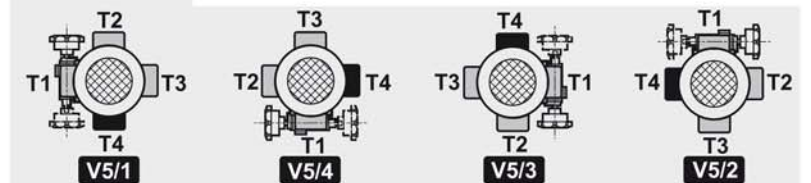
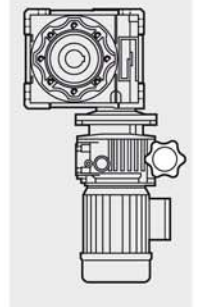
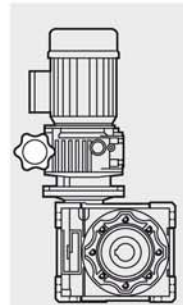
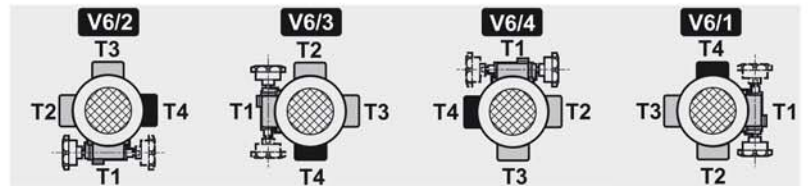
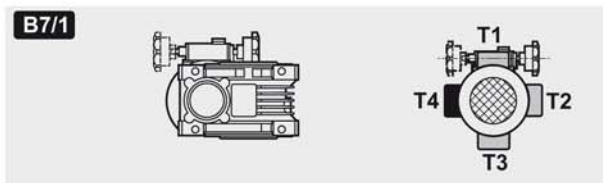
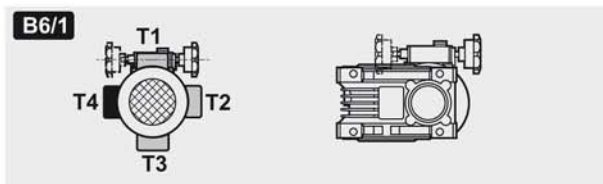
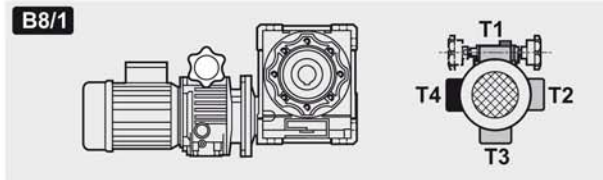
## Symbole

$n_1$ [1/min]	Eintriebsdrehzahl	$M_2$ [Nm]	Abtriebsdrehmoment
$n_2$ [1/min]	Abtriebsdrehzahl	sf	Betriebsfaktor
i	Untersetzung	$R_2$ [N]	Radiale Belastung
$P_1$ [kW]	Leistung		

**Planetenverstellgetriebe VAM - Niemals die Drehzahl im Ruhezustand regulieren!**



# CMV Planetenverstellgetriebe mit Schneckengetriebe

## Bauformen





# CMV Planetenverstellgetriebe mit Schneckengetriebe

## Technische Daten

P <sub>1</sub> [kW]	Max. Umdrehungen			Min. Umdrehungen			i		P <sub>1</sub> [kW]	Max. Umdrehungen			Min. Umdrehungen			i	
	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf				n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf		
<b>0.18</b>									<b>0.37</b>								
63B4 n <sub>1</sub> =1400 [min <sup>-1</sup> ]	127	10	4.4	25	18	3.9	7.5	CMV 040/018	133	19	4.3	27	36	3.8	7.5	CMV 050/037	
	95	12	3.4	19	23	3.0	10		100	25	3.3	20	47	2.9	10		
	63	18	2.5	13	32	2.2	15		67	35	2.3	13	64	2.1	15		
	48	22	2.0	9.5	40	1.6	20		50	45	1.7	10	79	1.5	20		
	38	26	1.7	7.6	47	1.3	25		40	54	1.4	8.0	96	1.1	25		
	32	30	1.6	6.3	50	1.4	30		33	60	1.4	6.7	104	1.3	30		
	24	37	1.2	4.8	60	1.1	40		25	74	1.1	5.0	127	0.9	40		
	19	44	1.0	3.8	69	0.9	50		20	89	0.8	4.0	147	0.8	50		
	24	37	2.2	4.8	64	1.9	40	CMV 050/018	25	80	1.9	5.0	127	1.8	40	CMV 063/037	
	19	44	1.7	3.8	74	1.6	50		20	93	1.5	4.0	153	1.4	50		
	16	50	1.4	3.2	79	1.3	60		17	103	1.3	3.3	166	1.2	60		
	12	56	1.2	2.4	91	0.9	80		13	122	1.0	2.5	197	0.9	80		
	9.5	63	0.9	1.9	102	0.8	100		10	141	0.9	2.0	216	0.7	100		
										20	92	2.4	4.0	159	1.9		50
								17	106	2.0	3.3	176	1.6	60			
								13	130	1.5	2.5	206	1.2	80			
								10	150	1.3	2.0	234	0.9	100			
<b>0.22</b>									<b>0.55</b>								
63C4 n <sub>1</sub> =1400 [min <sup>-1</sup> ]	127	12	3.5	25	23	3.1	7.5	CMV 040/018	71B2 n <sub>1</sub> =2800 [min <sup>-1</sup> ]	267	14	2.3	53	37	1.4	7.5	CMV 040/037
	95	16	2.7	19	30	2.4	10			200	19	1.8	40	48	1.1	10	
	63	22	2.0	13	41	1.7	15			133	27	1.3	27	68	0.8	15	
	48	28	1.6	9.5	51	1.3	20			267	14	4.2	53	37	2.7	7.5	
	38	33	1.3	7.6	60	1.0	25			200	19	3.0	40	48	2.1	10	
	32	38	1.3	6.3	64	1.1	30	133		27	2.1	27	68	1.5	15		
	24	47	1.0	4.8	76	0.9	40	100		35	1.6	20	86	1.0	20		
	24	47	1.7	4.8	81	1.5	40	CMV 050/018		80	42	1.4	16	102	0.9	25	
	19	56	1.3	3.8	93	1.3	50			67	48	1.5	13	115	0.9	30	
	16	63	1.1	3.2	100	1.0	60			100	36	3.3	20	88	1.9	20	
12	71	0.9	2.4	116	0.7	80	80		43	2.6	16	105	1.5	25			
9.5	80	0.7	1.9	129	0.6	100	67		50	2.6	13	115	1.6	30			
<b>0.37</b>									<b>CMV 063/037</b>								
63C2 n <sub>1</sub> =2800 [min <sup>-1</sup> ]	253	11	2.9	51	24	2.2	7.5	CMV 040/018	50	62	1.9	10	146	1.2	40		
	190	14	2.3	38	30	1.7	10		40	75	1.6	8	174	0.9	50		
	127	21	1.6	25	43	1.2	15		33	83	1.3	7	184	0.8	60		
	95	27	1.2	19	54	1.0	20		50	64	2.8	10	151	1.9	40		
	76	31	1.0	15	65	0.7	25		40	76	2.3	8.0	174	1.4	50		
	63	36	1.0	13	72	0.8	30	33	87	1.9	6.7	198	1.2	60			
	253	11	5.4	51	24	4.2	7.5	CMV 050/018	25	106	1.5	5.0	235	0.9	80		
	190	15	3.9	38	30	3.3	10		20	123	1.2	4.0	264	0.8	100		
	127	21	2.8	25	43	2.3	15										
	95	27	2.1	19	55	1.6	20										
76	33	1.8	15	65	1.4	25											
63	37	1.9	13	73	1.4	30											
48	48	1.4	10	90	1.1	40											
38	55	1.0	7.6	105	0.9	50											
71B4 n <sub>1</sub> =1400 [min <sup>-1</sup> ]	133	19	2.2	27	36	1.9	7.5	CMV 040/037									
	100	25	1.7	20	47	1.5	10										
	67	35	1.3	13	65	1.1	15										
	50	44	1.0	10	80	0.8	20										
	40	53	0.8	8.0	95	0.6	25										



# CMV Planetenverstellgetriebe mit Schneckengetriebe

## Technische Daten

P <sub>1</sub> [kW]	Max. Umdrehungen			Min. Umdrehungen			i		P <sub>1</sub> [kW]	Max. Umdrehungen			Min. Umdrehungen			i			
	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf				n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf				
<b>0.75</b>									<b>1.1</b>										
80B4 n <sub>1</sub> =1400 [min <sup>-1</sup> ]	133	38	2.1	27	72	1.9	7.5	CMV 050/075	80B2 n <sub>1</sub> =2800 [min <sup>-1</sup> ]	40	167	3.1	8.0	396	2.0	50	CMV 110/075		
	100	49	1.7	20	94	1.4	10			33	195	2.5	6.7	446	1.6	60			
	67	70	1.2	13	128	1.1	15	CMV 063/075		25	243	1.8	5.0	538	1.2	80	CMV 063/15		
	50	90	0.8	10	158	0.8	20			20	286	1.4	4.0	624	0.9	100			
	133	39	3.6	27	72	3.3	7.5			90S4 n <sub>1</sub> =1400 [min <sup>-1</sup> ]	133	58	2.4	27	108	2.2		7.5	CMV 075/15
	100	50	2.9	20	94	2.6	10			100	75	1.9	20	140	1.7	10			
	67	72	2.1	13	130	1.9	15		CMV 075/075		67	108	1.4	13	194	1.2		15	CMV 090/15
	50	92	1.6	10	166	1.4	20				50	139	1.0	10	248	0.9		20	
	40	113	1.2	8.0	195	1.1	25			40	169	0.8	8.0	293	0.7	25			
	33	126	1.3	6.7	216	1.1	30			33	189	0.9	6.7	324	0.7	30			
	25	161	1.0	5.0	254	0.9	40	CMV 090/075		50	142	1.6	10	252	1.4	20	CMV 090/15		
	20	186	0.8	4.0	306	0.7	50			40	171	1.2	8.0	306	1.0	25			
	50	95	2.4	10	168	2.1	20	CMV 110/075		33	194	1.3	6.7	340	1.1	30	CMV 110/15		
	40	114	1.8	8.0	204	1.6	25			25	238	1.0	5.0	410	0.9	40			
	33	130	2.0	6.7	227	1.7	30			25	256	1.6	5.0	439	1.4	40			
	25	158	1.5	5.0	274	1.3	40			20	306	1.2	4.0	504	1.1	50			
	20	183	1.2	4.0	318	1.0	50	CMV 110/075		17	346	1.0	3.3	572	0.9	60	CMV 110/15		
	17	212	1.0	3.3	353	0.8	60			13	439	1.2	2.5	734	1.1	80			
	13	259	0.8	2.5	413	0.6	80	CMV 110/075		10	513	1.0	2.0	828	0.8	100	CMV 110/15		
	25	170	2.3	5.0	293	2.0	40												
	20	204	1.9	4.0	336	1.6	50	CMV 110/075											
	17	230	1.5	3.3	382	1.3	60												
	13	283	1.1	2.5	451	1.0	80												
	10	324	0.8	2.0	504	0.8	100												
	13	293	1.8	2.5	490	1.6	80	CMV 110/075											
	10	342	1.4	2.0	552	1.3	100												
<b>1.1</b>									<b>1.5</b>										
80B2 n <sub>1</sub> =2800 [min <sup>-1</sup> ]	267	29	2.1	53	75	1.3	7.5	CMV 050/075	90L4 n <sub>1</sub> =1400 [min <sup>-1</sup> ]	133	77	1.8	27	144	1.7	7.5	CMV 063/15		
	200	38	1.5	40	96	1.0	10			100	100	1.5	20	187	1.3	10			
	267	29	3.8	53	76	2.4	7.5	CMV 063/075		67	144	1.0	13	259	0.9	15	CMV 075/15		
	200	38	2.9	40	97	1.9	10			50	185	0.8	10	331	0.7	20			
	133	55	2.1	27	137	1.3	15	CMV 075/075		133	78	2.7	27	148	2.4	7.5	CMV 090/15		
	100	72	1.6	20	175	1.0	20			100	102	2.3	20	190	1.9	10			
	80	86	1.3	16	210	0.8	25			67	148	1.6	13	266	1.4	15			
	67	99	1.3	13	230	0.8	30			50	190	1.2	10	336	1.1	20			
	133	55	3.0	27	142	1.9	15			40	228	0.9	8.0	408	0.8	25			
	100	72	2.4	20	185	1.5	20			33	259	1.0	6.7	454	0.8	30			
	80	87	1.9	16	219	1.1	25	CMV 090/075		25	317	0.8	5.0	547	0.6	40			
	67	102	1.8	13	248	1.1	30			133	78	4.1	27	149	3.6	7.5	CMV 110/15		
	50	128	1.4	10	302	0.9	40			100	102	3.4	20	194	2.9	10			
	40	152	1.2	8.0	348	0.7	50			67	149	2.7	13	274	2.3	15			
	67	103	3.4	13	248	2.2	30	CMV 090/075		50	192	2.0	10	350	1.8	20			
	50	134	2.3	10	312	1.5	40			40	234	1.5	8.0	426	1.3	25			
	40	163	1.8	8.0	378	1.2	50	CMV 110/15		33	263	1.7	6.7	468	1.5	30			
	33	187	1.5	6.7	418	1.0	60			25	341	1.2	5.0	586	1.0	40			
	25	232	1.1	5.0	509	0.7	80			20	408	0.9	4.0	672	0.8	50			
	20	273	0.8	4.0	588	0.6	100			40	243	2.7	8.0	444	2.3	25			
								CMV 130/15		33	270	2.7	6.7	468	2.3	30			
										25	350	2.0	5.0	614	1.7	40			
								CMV 130/15		20	426	1.6	4.0	732	1.3	50			
										17	490	1.3	3.3	821	1.1	60			
								CMV 130/15		13	586	0.9	2.5	979	0.8	80			
										13	614	1.4	2.5	979	1.2	80			
								CMV 130/15		10	708	1.1	2.0	1152	1.0	100			
										10	708	1.1	2.0	1152	1.0	100			

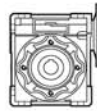
# CMV Planetenverstellgetriebe mit Schneckengetriebe

## Technische Daten

P <sub>1</sub> [kW]	Max. Umdrehungen			Min. Umdrehungen			i		P <sub>1</sub> [kW]	Max. Umdrehungen			Min. Umdrehungen			i			
	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf				n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf				
<b>2.2</b>									<b>3</b>										
90L2 n <sub>1</sub> =2800 [min <sup>-1</sup> ]	267	59	1.8	53	151	1.2	7.5	CMV 63/15	100LB4 n <sub>1</sub> =1400 [min <sup>-1</sup> ]	133	157	1.3	27	295	1.2	7.5	CMV 075/40		
	200	77	1.4	40	194	0.9	10			100	204	1.1	20	379	0.9	10			
	133	113	1.0	27	274	0.7	15			67	295	0.8	13	533	0.7	15			
	267	59	2.5	53	153	1.6	7.5	CMV 75/15		133	157	2.0	27	299	1.8	7.5	CMV 090/40		
	200	78	2.1	40	197	1.3	10			100	204	1.7	20	389	1.4	10			
	133	113	1.5	27	284	0.9	15			67	299	1.3	13	547	1.1	15			
	100	148	1.2	20	370	0.7	20	CMV 90/15		50	384	1.0	10	701	0.9	20	CMV 110/40		
	80	178	1.0	16	438	0.6	25			40	468	0.8	8.0	852	0.7	25			
	267	60	4.0	53	153	2.6	7.5			33	526	0.9	6.7	936	0.7	30			
	200	79	3.3	40	199	2.1	10	CMV 110/15		67	299	2.2	13	554	1.8	15	CMV 130/40		
	133	116	2.6	27	284	1.7	15			50	394	1.6	10	730	1.3	20			
	100	151	2.0	20	370	1.2	20			40	486	1.3	8.0	888	1.1	25			
	80	187	1.6	16	450	1.0	25	CMV 130/15		33	540	1.3	6.7	936	1.2	30	CMV 130/40		
	67	211	1.7	13	497	1.1	30			25	701	1.0	5.0	1229	0.8	40			
	50	274	1.1	10	624	0.8	40			20	852	0.8	4.0	1464	0.7	50			
	80	189	2.7	16	462	1.7	25	CMV 130/15		40	486	2.2	8.0	876	1.7	25	CMV 130/40		
67	213	2.6	13	511	1.7	30	33		554	2.1	6.7	950	1.8	30					
50	281	1.9	10	662	1.2	40	25		710	1.5	5.0	1210	1.3	40					
40	342	1.5	8.0	792	1.0	50	CMV 130/15	20	876	1.2	4.0	1464	1.0	50	CMV 130/40				
33	400	1.2	6.7	893	0.8	60		17	1008	1.0	3.3	1642	0.9	60					
50	281	3.1	10	653	1.9	40		13	1229	0.7	2.5	1958	0.6	80					
40	347	2.4	8.0	804	1.5	50	CMV 130/15	40	486	2.2	8.0	876	1.7	25	CMV 130/40				
33	405	1.9	6.7	922	1.2	60		33	554	2.1	6.7	950	1.8	30					
25	504	1.4	5.0	1114	0.9	80		25	710	1.5	5.0	1210	1.3	40					
20	603	1.0	4.0	1272	0.7	100	CMV 130/15	20	876	1.2	4.0	1464	1.0	50	CMV 130/40				
									17	1008	1.0	3.3	1642	0.9		60	CMV 130/40		
									13	1229	0.7	2.5	1958	0.6		80		CMV 130/40	
									<b>4</b>										
100LA4 n <sub>1</sub> =1400 [min <sup>-1</sup> ]	133	117	1.8	27	221	1.6	7.5	CMV 075/22	112M4 n <sub>1</sub> =1400 [min <sup>-1</sup> ]	133	209	1.5	27	398	1.4	7.5	CMV 090/40		
	100	153	1.5	20	284	1.3	10			100	272	1.3	20	518	1.1	10			
	67	221	1.0	1.0	400	0.9	15			67	389	1.0	13	730	0.8	15			
	133	117	2.7	27	224	2.4	7.5	CMV 090/22		100	275	2.3	20	518	1.9	10	CMV 110/40		
	100	153	2.3	20	292	1.9	10			67	398	1.6	13	739	1.4	15			
	67	224	1.8	13	410	1.5	15			50	525	1.2	10	973	1.0	20			
	50	288	1.3	10	526	1.2	20	CMV 110/22		40	648	1.0	8.0	1184	0.9	25	CMV 130/40		
	40	351	1.0	8.0	639	0.9	25			33	720	1.0	6.7	1248	0.9	30			
	33	394	1.1	6.7	702	1.0	30			40	648	1.6	8.0	1168	1.3	25			
	133	119	4.7	27	224	4.0	7.5	CMV 110/22		33	739	1.6	6.7	1267	1.3	30	CMV 130/40		
	100	155	4.0	20	292	3.3	10			25	947	1.2	5.0	1613	1.0	40			
	67	224	2.9	13	416	2.5	15			20	1168	0.9	4.0	1952	0.8	50			
	50	295	2.1	10	547	1.8	20	CMV 130/22		17	1344	0.7	3.3	2189	0.6	60	CMV 130/40		
	40	365	1.8	8.0	666	1.5	25												
	33	405	1.8	6.7	702	1.5	30												
	25	526	1.3	5.0	922	1.1	40	CMV 130/22											
20	639	1.1	4.0	1098	0.9	50													
17	734	0.9	3.3	1231	0.7	60													
33	416	2.8	6.7	713	2.4	30	CMV 130/22												
25	533	2.1	5.0	907	1.8	40													
20	657	1.6	4.0	1098	1.4	50													
17	756	1.3	3.3	1231	1.1	60	CMV 130/22												
13	922	1.0	2.5	1469	0.8	80													

# CMV Planetenverstellgetriebe mit Schneckengetriebe

## Abmessungen

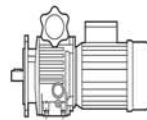


CM

### CM.. - CM..F - CM..FB - CM..FL

	A	C	D <sub>H8</sub>	E	F	G	G1	H	I	L	M	N <sub>H8</sub>	N1	O	P	Q	R	S	T	V	K	KE	a	b	t
040	70	100	18 (19)	121.5	43	70	78	50	40	71	75	60	36.5	6.5	87	55	71.5	6.5	26	35	60	M6x8(n.4)	45°	6	20.8
050	80	120	25 (24)	144	49	80	92	60	50	85	85	70	43.5	8.5	100	64	84	7	30	40	70	M8x10(n.4)	45°	8	28.3
063	100	144	25	174	67	95	112	72	63	103	95	80	53	8.5	110	80	102	8	36	50	85	M8x14(n.8)	45°	8	28.3
075	120	172	28	205	72	112.5	120	86	75	112	115	95	57	11	140	93	119	10	40	60	90	M8x14(n.8)	45°	8	31.3
090	140	205	35	238	74	129.5	140	102.5	90	130	130	110	67	13	160	102	135	11	45	70	100	M10x18(n.8)	45°	10	38.3
110	170	252.5	42	295	—	160	155	127.5	110	144	165	130	74	14	200	125	167.5	14	50	85	115	M10x18(n.8)	45°	12	45.3
130	200	292.5	45	335	—	180	170	147.5	130	155	215	180	81	16	250	140	187.5	15	60	100	120	M12x21(n.8)	45°	14	48.8

	CM..F									CM..FB						CM..FL								
	a1	KA	KB	KC	KM	KN <sub>H8</sub>	KO	KP	KQ	KA	KB	KC	KM	KN <sub>H8</sub>	KO	KP	KA	KB	KC	KM	KN <sub>H8</sub>	KO	KP	KQ
040	45°	67	7	4	80-94	60	9 (n.4)	110	95	80	9	5	115	95	9.5(n.4)	140	97	7	4	80-94	60	9(n.4)	110	95
050	45°	90	9	5	90-110	70	11 (n.4)	125	110	89	10	5	130	110	9.5(n.4)	160	120	9	5	90-110	70	11(n.4)	125	110
063	45°	82	10	6	150-160	115	11 (n.8)	180	142	98	11	5	165	130	11(n.4)	200	112	10	6	150-160	115	11(n.4)	180	142
075	45°	111	13	6	165-178	130	14 (n.8)	200	170	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
090	45°	111	13	6	175-188	152	14 (n.8)	210	200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
110	45°	131	15	6	230	170	14 (n.8)	280	260	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
130	45°	140	15	6	255	180	16 (n.8)	320	290	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

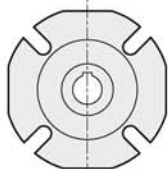
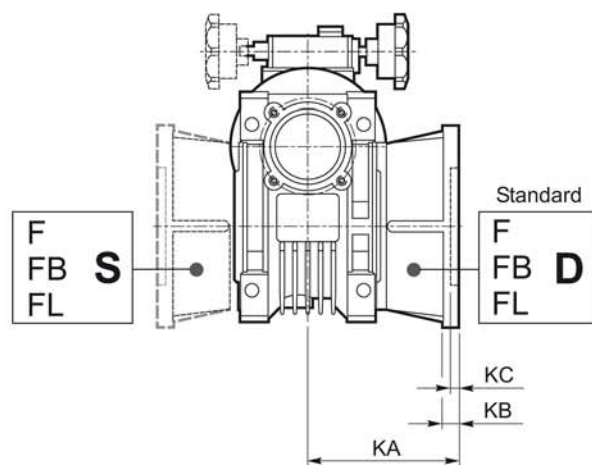
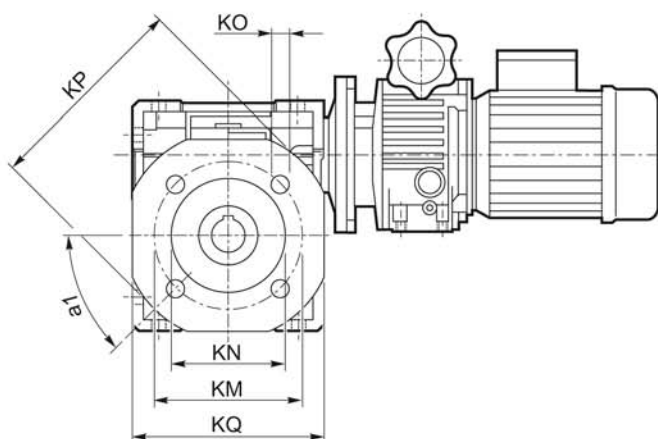
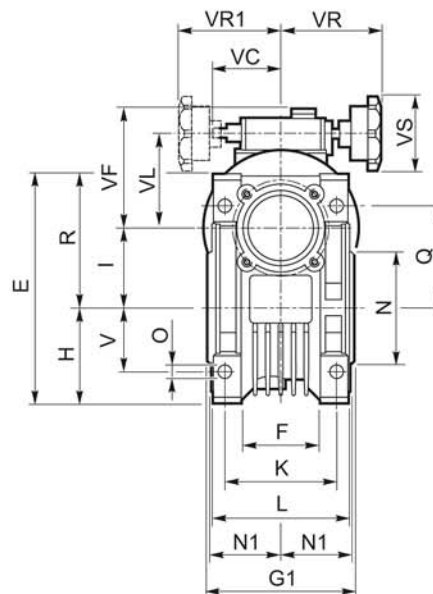
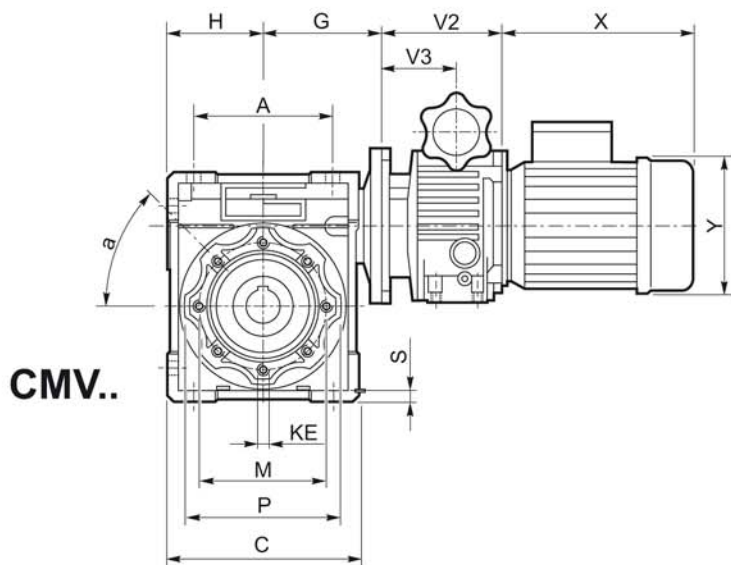


VAM

	VAM							
	V2	V3	VC	VF	VL	VR	VR1	VS
018	112.5	64.5	71	111	78	110	110	85
037	110	74	71	123	90	110	110	85
075	139	85.5	79	140	107	120	120	85
15	188	115	—	144	122	120	120	85
22	208	131	—	188	150	160	—	110
40	208	131	—	188	150	160	—	110

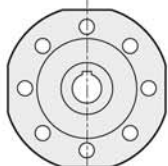
# CMV Planetenverstellgetriebe mit Schneckengetriebe

## Abmessungen

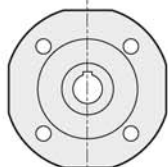


**CMV..F** (040/.. - 090/..)

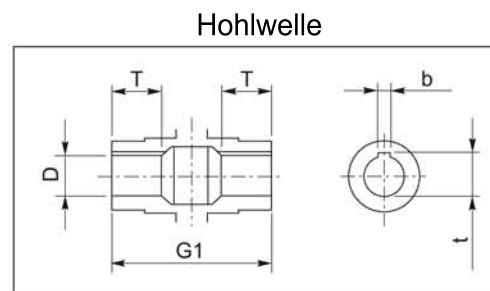
**CMV..FL** (040/.. - 063/..)



**CMV..F** (110/.. - 130/..)



**CMV..FB** (040/.. - 063/..)

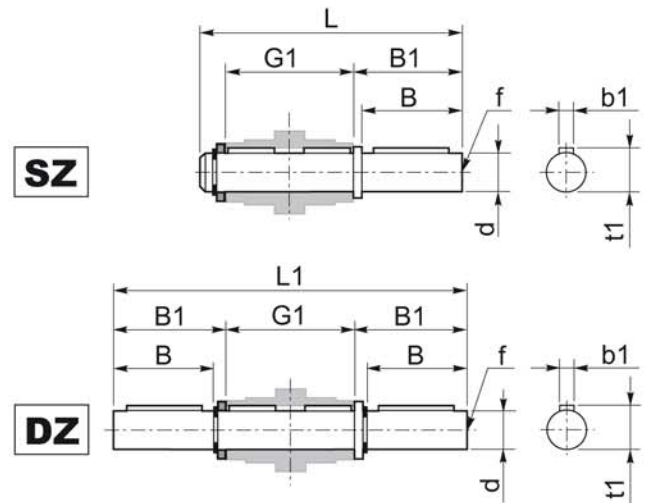


# CMV Planetenverstellgetriebe mit Schneckengetriebe

## Zubehör

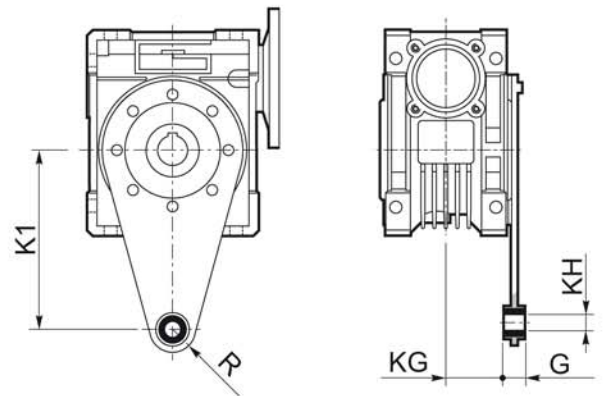
### Abtriebswelle - Ein- und doppelseitig

	d <sub>h6</sub>	B	B1	G1	L	L1	f	b1	t1
CM 040	18	40	43	78	128	164	M6	6	20.5
CM 050	25	50	53.5	92	153	199	M10	8	28
CM 063	25	50	53.5	112	173	219	M10	8	28
CM 075	28	60	63.5	120	192	247	M10	8	31
CM 090	35	80	84.5	140	234	309	M12	10	38
CM 110	42	80	84.5	155	249	324	M16	12	45
CM 130	45	80	85	170	265	340	M16	14	48.5



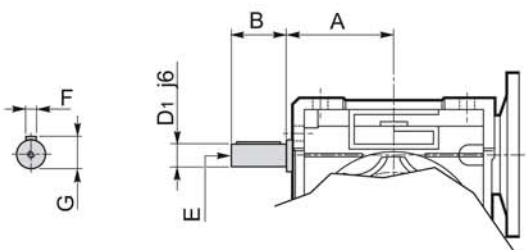
### Drehmomentstütze

	K1	G	KG	KH	R
CM 040	100	14	31	10	18
CM 050	100	14	38	10	18
CM 063	150	14	47.5	10	18
CM 075	200	25	46.5	20	30
CM 090	200	25	56.5	20	30
CM 110	250	30	62	25	35
CM 130	250	30	69	25	35



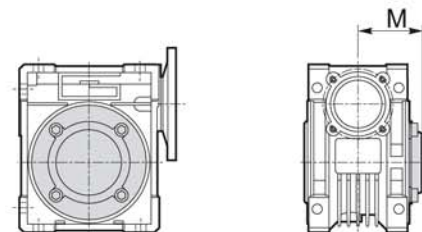
## Optionen

### VS - Freie Antriebswelle



	A	B	D <sub>1</sub> <sub>j6</sub>	E	F	G
CM 040	53	23	11	M5	4	12.5
CM 050	64	30	14	M6	5	16
CM 063	75	40	19	M6	6	21.5
CM 075	90	50	24	M8	8	27
CM 090	108	50	24	M8	8	27

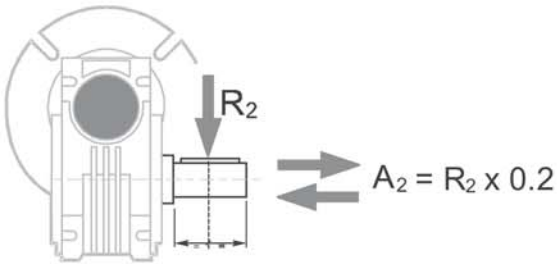
### PC - Hohlwellenabdeckung



	M
CM 040	54.5
CM 050	62.5
CM 063	73
CM 075	79
CM 090	94
CM 110	95
CM 130	100

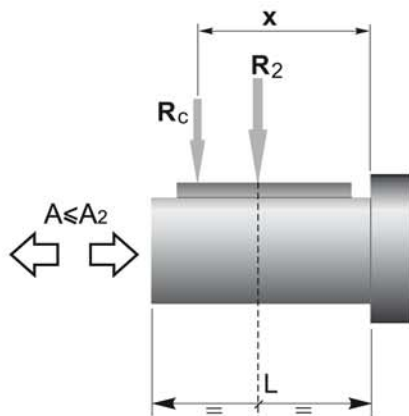
# CMV Planetenverstellgetriebe mit Schneckengetriebe

## Radiale Belastung



$n_2$ [min <sup>-1</sup> ]	$R_2$ [N]						
	CM040	CM050	CM063	CM075	CM090	CM110	CM130
187	1264	1770	2445	2824	3161	5058	5732
140	1392	1949	2692	3110	3481	5570	6313
93	1596	2234	3085	3564	3990	6384	7235
70	1754	2456	3392	3918	4386	7018	7953
56	1890	2646	3654	4221	4725	7560	8567
47	2004	2805	3874	4475	5009	8014	9083
35	2210	3095	4273	4937	5526	8842	10021
28	2381	3334	4603	5318	5953	9524	10794
23	2542	3559	4915	5678	6356	10170	11526

Wenn eine Berechnung der radialen Belastung ausserhalb der Achsmittle notwendig wird, ist folgende Formel anzuwenden:



$$R_c = \frac{R_2 \cdot a}{(b+x)} \leq R_{2MAX}$$

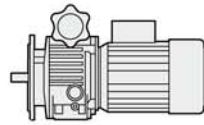
$$R \leq R_c$$

Wert a und b in der unteren Tabelle

	CM						
	040	050	063	075	090	110	130
a	84	101	120	131	182	176	188
b	64	76	95	101	122	136	148
$R_{2MAX}$	3000	4200	5800	6700	7500	12000	13600

# CMV Planetenverstellgetriebe mit Schneckengetriebe

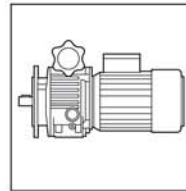
## Schmierstoffe



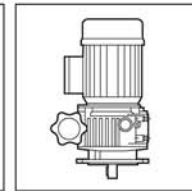
VAM

	Öfüllmengen ( Liter )					
	VAM					
	0.18	037	075	15	22	40
<b>B5</b>	0.13	0.15	0.33	0.80	1.20	1.20
<b>V1</b>	0.30	0.40	0.85	1.40	2.15	2.15
<b>V3</b>	0.13	0.15	0.33	0.80	1.20	1.20

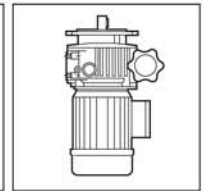
Bauform



B5



V1

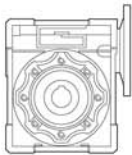


V3

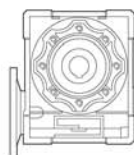
AGIP	BP	CASTROL	CHEVRON	ESSO	FINA	MOBIL	SHELL
A.T.F. Dexron	BP Autran DX	TQ. Dexron II	A.T.F. Dexron	A.T.F. Dexron	A.T.F. Dexron	A.T.F. 200 Red	A.T.F. Dexron Fluid DIII



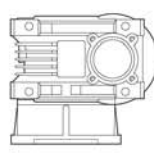
CM



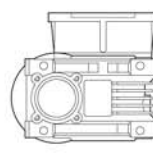
**B3**  
(standard)



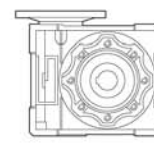
**B8**



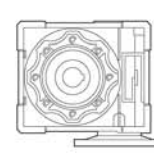
**B6**



**B7**



**V5**



**V6**

	Öfüllmengen ( Liter )					
	B3	B8	B6	B7	V5	V6
<b>CM030</b>				0.04		
<b>CM040</b>				0.08		
<b>CM050</b>				0.15		
<b>CM063</b>				0.30		
<b>CM075</b>				0.55		
<b>CM090</b>				1.0		
<b>CM110</b>	3.0	2.2	2.5	2.5	3.0	2.2
<b>CM130</b>	4.5	3.3	3.5	3.5	4.5	3.3

\* Baugrößen CM 040 bis 090 = Lebensdauer geschmiert

SHELL	AGIP	ESSO	MOBIL	CASTROL	BP
Olio sintetico/ Synthetic oil (-35°C ÷ +50°C)					
Tivela Oil SC320	Blasia S320	S320	Glygoyle 30	Alphasyn PG320	Energol SG-XP320