



## PLD-Planetengetriebe

- Untersetzungen von  $i = 3$  bis  $i = 1.000$
- Abtriebsmoment bis 105 Nm
- Ratio from  $i = 3$  up to  $i = 1.000$
- Output Torque up to 105 Nm

2-Phasen-Schrittmotoren Flansch: ( $\square 42$ ,  $\square 56.4$ ,  $\square 60$ ,  $\square 82.6$   $\square 86$ )mm

2-Phase-Stepp Motors Flange:  $\square 42$ mm,  $\square 56.4$ mm,  $\square 60$ mm,  $\square 82.6$ mm,  $\square 86$ mm

5-Phasen-Schrittmotoren Flansch von:  $\square 60$ mm,  $\square 86$ mm

5-Phase-Stepp Motors Flange:  $\square 60$ mm,  $\square 86$ mm

Baugröße / Size		PLD40	PLD60	PLD80	i	z		
Abtriebs- Drehmoment T2N	[ Nm ]	---	25	70	3	1		
		8	25	70	4			
		8	25	70	5			
		8	25	70	7			
		8	---	---	9			
		---	25	70	10			
		15	40	105	16	2		
		15	40	105	20			
		15	40	105	25			
		15	40	105	28			
		15	40	105	35			
		---	40	105	40			
		15	---	---	49			
		---	40	105	50			
		---	40	105	70			
		---	40	105	100			
		Nominal Output Torque T2N		15	---	---	64	3
				15	---	---	80	
				15	---	---	100	
				---	40	105	120	
				15	---	---	140	
				---	40	105	160	
				15	---	---	175	
				---	40	105	200	
				15	---	---	245	
				---	40	105	250	
				15	---	---	343	
				---	40	105	350	
				---	40	105	500	
				---	40	105	700	
		15	---	---	729			
		---	40	105	1.000			

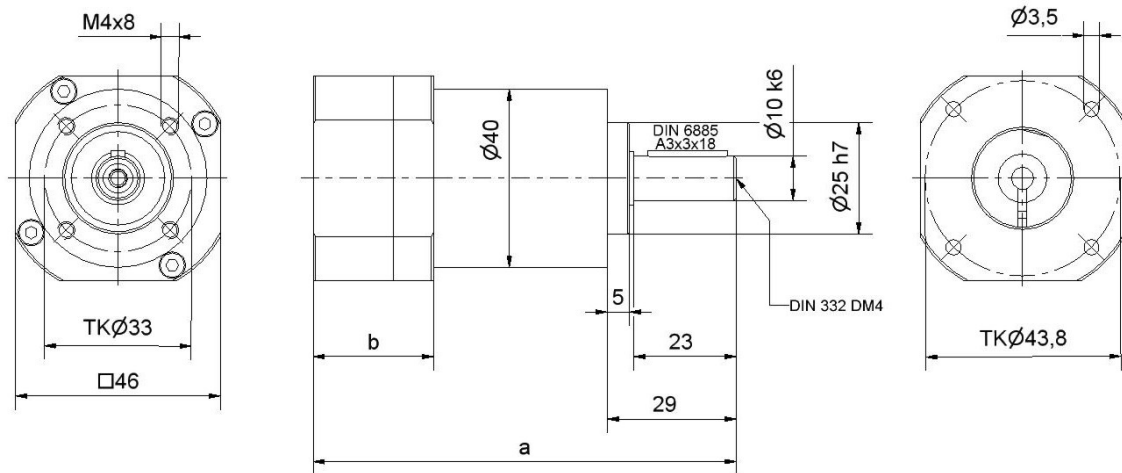
--- nicht erhältlich / not available



Baugröße / Size		PLD40	PLD60	PLD80	i	z
Trägheitsmoment	[ kgcm <sup>2</sup> ]	---	0,128	0,67	3	1
		0,033	0,086	0,49	4	
		0,031	0,074	0,43	5	
		0,030	0,064	0,37	7	
		0,030	---	---	9	
		---	0,059	0,34	10	2
		0,033	0,083	0,48	16	
		0,031	0,072	0,42	20	
		0,031	0,072	0,42	25	
		0,031	0,063	0,37	28	
		0,030	0,063	0,37	35	
		---	0,059	0,34	40	
		0,030	---	---	49	
		---	0,059	0,34	50	
		---	0,059	0,34	70	
Moment of inertia	[ kgcm <sup>2</sup> ]	---	0,059	0,34	100	3
		0,030	---	---	64	
		0,030	---	---	80	
		0,030	---	---	100	
		---	0,059	0,34	120	
		0,030	---	---	140	
		---	0,059	0,34	160	
		0,030	---	---	175	
		---	0,059	0,34	200	
		0,030	---	---	245	
		---	0,059	0,34	250	
		0,030	---	---	343	
		---	0,059	0,34	350	
		---	0,059	0,34	500	
		---	0,059	0,34	700	
0,030	---	---	729			
---	0,059	0,34	1.000			

Baugröße / Size		PLD40	PLD60	PLD80	
Wirkungsgrad / efficiency with		0,96	0,97	0,96	1-stufig / 1-stage
		0,94	0,94	0,94	2-stufig / 2-stage
		0,90	0,90	0,90	3-stufig / 3-stage
Gewicht / weight	[ kg ]	0,3	1,3	2,6	1-stufig / 1-stage
		0,4	1,7	3,5	2-stufig / 2-stage
		0,5	2	4	3-stufig / 3-stage
max. Radialkraft / max. radial load	[ N ]	220	930	1770	1-stufig / 1-stage
max. Axialkraft / max. axial load	[ N ]	330	1080	2180	
max. Radialkraft / max. radial load	[ N ]	220	930	1770	2-stufig / 2-stage
max. Axialkraft / max. axial load	[ N ]	330	1080	2180	
max. Radialkraft / max. radial load	[ N ]	220	930	1770	3-stufig / 3-stage
max. Axialkraft / max. axial load	[ N ]	330	1080	2180	
Verdrehspiel / backlash	[ arcmin ]	20	12	10	1-stufig / 1-stage
		25	15	15	2-stufig / 2-stage
		30	20	20	3-stufig / 3-stage
Eingangsdrehzahl / initial speed	min <sup>-1</sup>	3.000			
Betriebstemp. / operating temp.	[ °C ]	-25 bis +90 / -25 up to +90			
Schmierung / lubrication		Lebensdauer-Fettschmierung / life time grease lubrication			

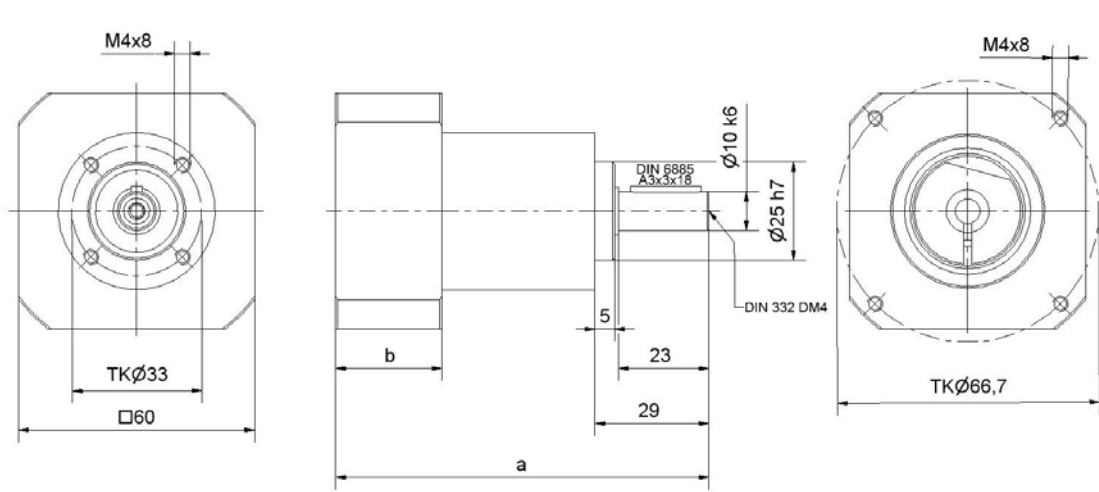
## PLD 40 für SECM / ECM 24er Serie



a = 95 mm (1 stufig / 1 stage)  
a = 111 mm (2 stufig / 2 stage)  
a = 124 mm (3 stufig / 3 stage)

b = 27 mm (1+2 stufig / 1+2 stage)  
b = 24 mm (3 stufig / 3 stage)

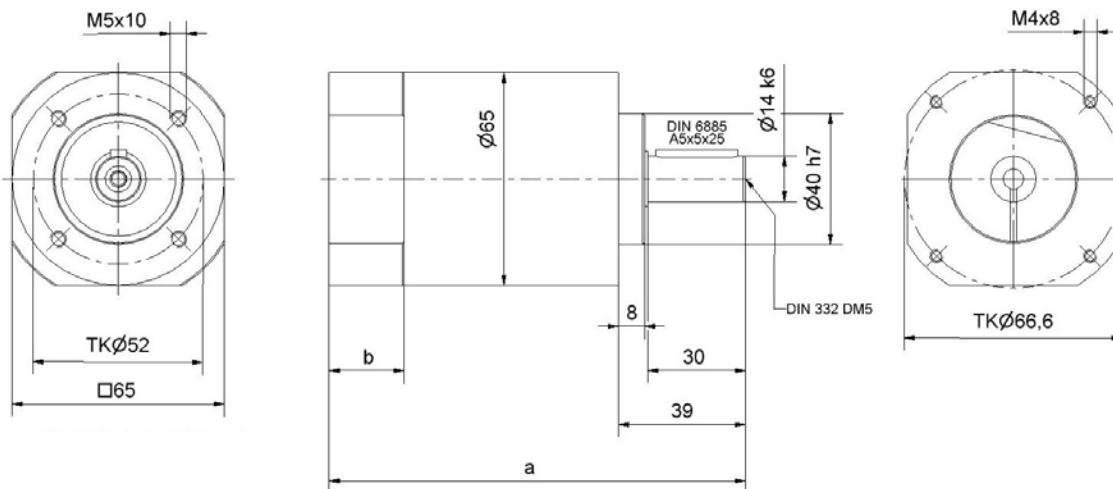
## PLD 40 für HECM / SECM / ECM 26er Serie



a = 95 mm (1 stufig / 1 stage)  
a = 111 mm (2 stufig / 2 stage)  
a = 122 mm (3 stufig / 3 stage)

b = 27 mm (1+2 stufig / 1+2 stage)  
b = 22 mm (3 stufig / 3 stage)

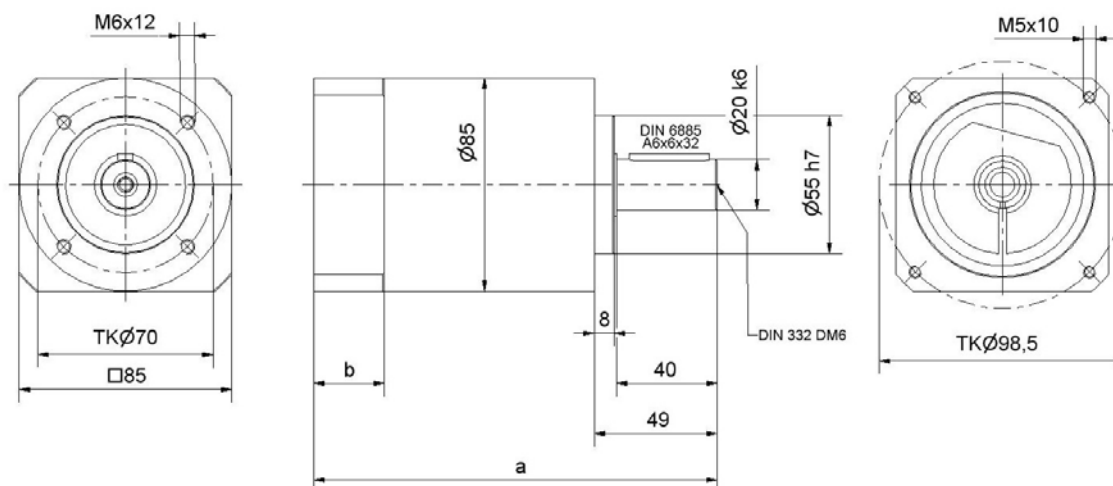
## PLD 60 für HECM / SECM / ECM 26er Serie



a = 127.5 mm (1 stufig / 1 stage)  
a = 152.0 mm (2 stufig / 2 stage)  
a = 171.0 mm (3 stufig / 3 stage)

b = 23 mm (1+2 stufig / 1+2 stage)  
b = 20 mm (3 stufig / 3 stage)

## PLD 80 für SECM / ECM 29er Serie



a = 161 mm (1 stufig / 1 stage)  
a = 192 mm (2 stufig / 2 stage)  
a = 220 mm (3 stufig / 3 stage)

b = 28 mm (1+2 stufig / 1+2 stage)  
b = 33 mm (3 stufig / 3 stage)