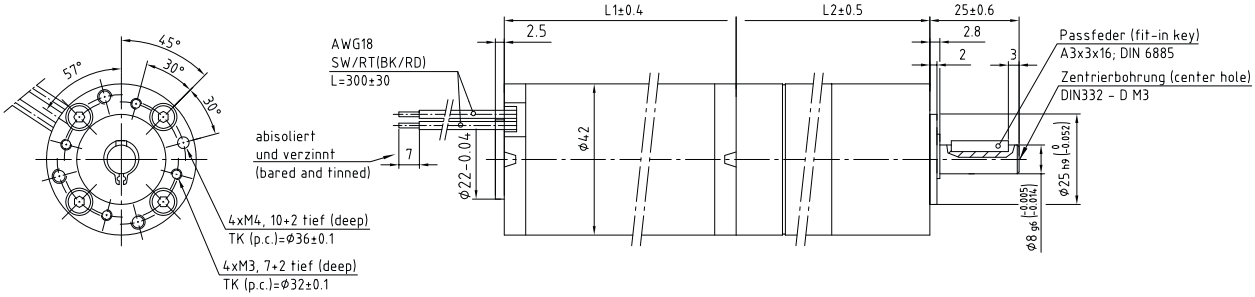
Motor M42/I
with planetary gear P42

excellent drives

- Steel gearhousing, aluminium gearflange
- Other reductions, output shaft or connection cable on request



Gear reduction table M42xXX/I+ P42

Application on request

Gear reduction	Number of gear stages	Efficiency of the gear	Speed at motor-speed 3000rpm	Continuous torque			
				M42x15/I L1 = 72 mm	M42x20/I L1= 77 mm	M42x30/I L1 = 87 mm	M42x40/I L1 = 97 mm
[i = x:1]	[x]	[%]	[1/min]	[Ncm]	[Ncm]	[Ncm]	[Ncm]
3,7	1	80	800	11,84	14,8	19,2	26,6
7	1	80	430	22	2,8	36,4	50
14	2	75	215	42	52,5	68	94,5
25	2	75	120	75	94	122	168,7
46	2	75	65	138	173	224	310
93	3	70	33	260	325	423	585
169	3	70	18	473	592	770	1064
308	3	70	10	862	1078	1400	1500*

*) Motor have to be operated with current limitation

General gear data

Number of gear stages	[x]	1	2	3
Maximum torque	[Ncm]	300	750	1500
Permissible shaft load	[N] (axial / radial)	50 / 160	80 / 230	110 / 300
Gear length L2	[mm]	41,2	54,3	67,4

15.08.2025 – changes reserved

Kählig Antriebstechnik GmbH
Pappelweg 4
D-30179 Hannover/Germany

fon: +49 511 67493-0
fax: +49 511 67493-67
info@kag-hannover.de

www.kag-hannover.com