

# Planetary gear

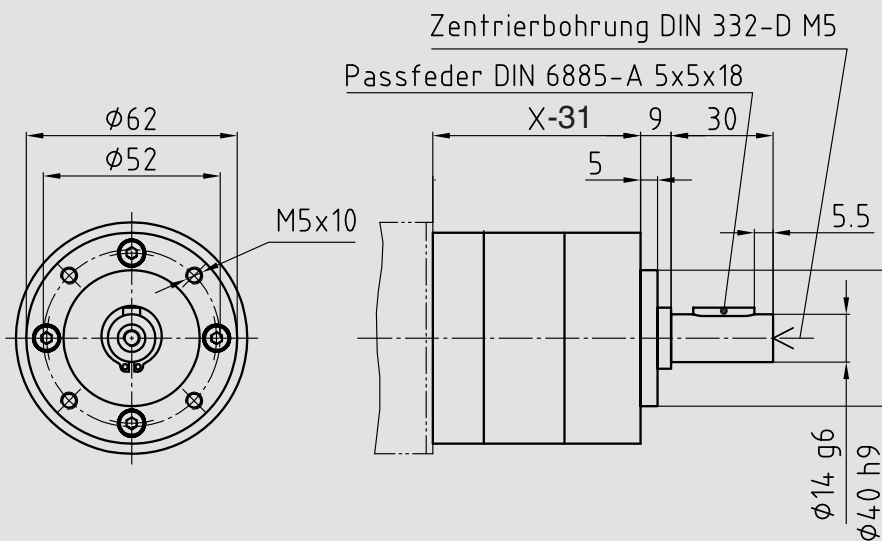
**Properties:**

General:	Multi-stage, closed planet gear For use in combination with our motors. Lifetime grease lubrication
Housing:	Steel annulus, aluminum flange User-defined installation
Tooth system tech.:	Internal gearing, hardened annulus Directly toothed motor shaft, optional shaft-mounted pinion
Options:	Ball bearing end shaft Special shafts



			1-stage	2-stage	3-stage							
<b>Loading capacity</b>	Max. radial force	N	240	360	520							
	Max. axial force	N	50	70	120							
	Max. input speed	rpm	3000	3000	3000							
	Temperature range	°C	-20° - +40°	-20° - +40°	-20° - +40°							
	Backlash	°DEG	1	1,5	2							
<b>Mounting</b>	Shaft diameter	mm	14	14	14							
	Weight	kg	0.8	1.2	1.6							
<b>Transmission Ratio</b>	<b>i</b>	<b>Stages</b>	<b>M (Nm)</b>	$\eta$	<b>i</b>	<b>Stages</b>	<b>M (Nm)</b>	$\eta$	<b>i</b>	<b>Stages</b>	<b>M (Nm)</b>	$\eta$
	3.7	1	8	0.8	26.9	2	25	0.75	93	3	50	0.7
	4.3	1	8	0.8	29	2	25	0.75	100	3	50	0.7
	5.2	1	8	0.8	35	2	25	0.75	115	3	50	0.7
	6.8	1	8	0.8	46	2	25	0.75	130	3	50	0.7
	13.7	2	25	0.75	51	3	50	0.7	150	3	50	0.7
	15.9	2	25	0.75	59	3	50	0.7	181	3	50	0.7
	18.4	2	25	0.75	68	3	50	0.7	236	3	50	0.7
	22	2	25	0.75	79	3	50	0.7	308	3	50	0.7

**Dimensions**



	1-stage	2-stage	3-stage
X	77	93	109

Dimension X may vary depending on mounting type and engine size