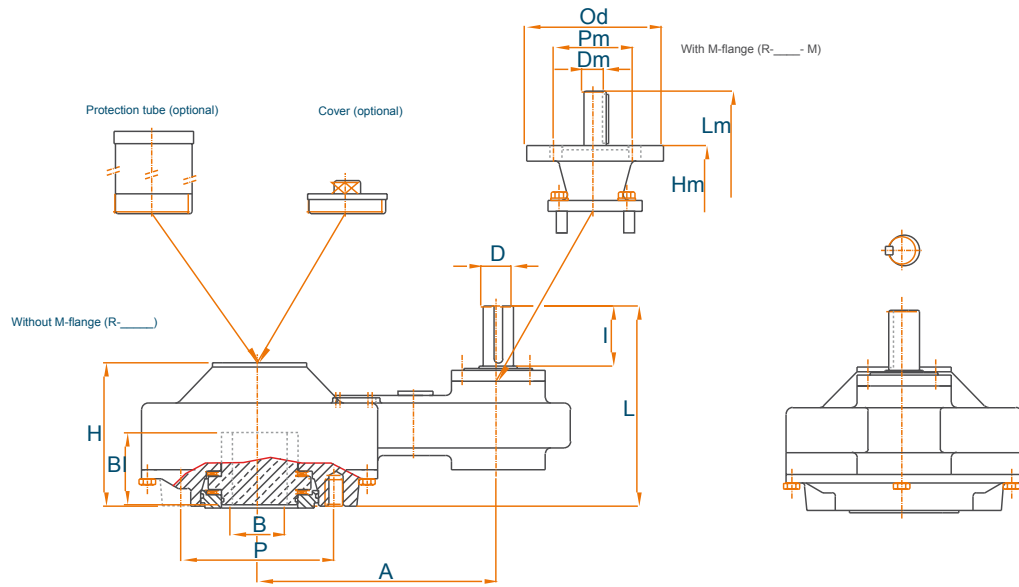




# PRO-GEAR K&R SERIES

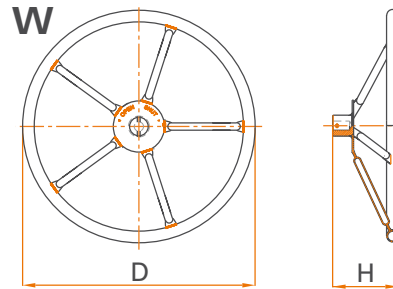
## R SERIES



### HANDWHEELS "W (WELDED) SERIES"

TYPE	D	H
W300	Ø 300	100
W400	Ø 400	115
W500	Ø 500	130
W600	Ø 600	150
W700	Ø 700	170

Dimensions mentioned in mm.



## THE POWER IS YOURS!

Pro-Gear GmbH is a young, highly flexible team, who are carrying out every element of design, assembly and quality control with the utmost care.

The unique combination of the products, together with the know how and assembling facilities are creating for clients a relationship, unique in the valve actuator industries.



GOST certified



ISO certified



Kopenhagener Straße 21  
 D-48455 Bad Bentheim - Gildehaus  
 Tel +49 (0)5924 255 840 - Fax +49 (0)5924 255 841  
 E-mail info@pro-gear.de - www.pro-gear.de



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## PRO-GEAR K&R SERIES

HOUSING  
GEARS  
TORQUE  
INPUT SHAFT  
AXIAL BEARINGS  
COATING





# PRO-GEAR K&R SERIES

Pro-Gear's "K" and "R" series are designed for the operation of multiple turn valves and dampers and are sealed according to IP68. All models are manufactured with cast iron housing components, and, as per our standard, all models feature high performance axial bearings, a stainless steel input shaft and a polyurethane coating. Additionally, the "K" and "R" series both fully conform to AWWA.

## APPLICATIONS

The Pro-Gear "K" and "R" series are bevel gearboxes and spur gearboxes with totally enclosed spindles and gearing and are sealed according to IP68. All models feature a polyurethane coated finish, high performance axial bearings and stainless steel input shaft. The bronze drive sleeve is easily removable for machining, enabling customisation to suit the valve stem. For all manually operated gate, globe, knife gate valves and isolation dampers in industries such as HVAC, Power, Chemical and Water & Waste, Pro-Gear's "K" and "R" range provide a very suitable and reliable solution. As an option, Pro-Gear can offer clients output flanges according to ISO standards for motorisation.



## PERFORMANCE SPECIFICATIONS

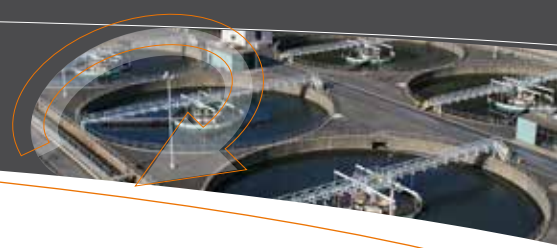
- > 7 Models (4 models K type, 3 models R type)
- > Up to 2.000 Nm. (17.600 lbf.in) Torque range
- > Up to 32.000 daN (70.400 lb) Thrust range
- > 360° stroke
- > IP68 sealing
- > -25 °C to +110 °C (-13 °F to +230 °F) temperature range

TYPE	RATIO	TORQUE (Nm)	THRUST (daN)	WEIGHT (Kg)
K-300	4 : 1	300	4.000	12
K-500	4 : 1	500	12.000	15
K-1000	4 : 1	1.000	23.000	26
K-2000	6 : 1	2.000	32.000	37
R-500	4 : 1	500	12.000	26
R-1000	4 : 1	1.000	23.000	42
R-2000	6 : 1	2.000	32.000	70

1Nm=0,737562 lbf.ft. 1Nm=8,8507 lbf.ins. [Converting International Units to British Units]

## FEATURES

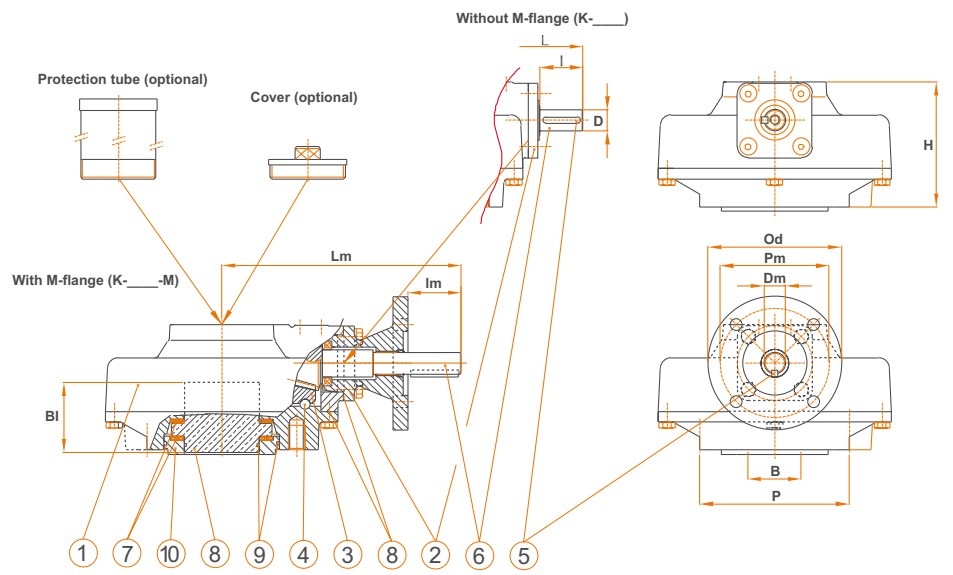
- > Bevel Gearboxes
- > Spur Gearboxes
- > Ductile Iron housing
- > Hardened steel gearing
- > Output torque up to 2.000 Nm
- > Thrust to 32.000 daN (70.400 Lbs)
- > IP 68 enclosure
- > Stainless Steel input shaft
- > Axial bearings on top and bottom of drive sleeve
- > Extra large drive sleeve
- > Polyurethane coating



**PARTS / MATERIALS LIST K&R SERIES**

PART NO	DESCRIPTION	MATERIAL	SPECS / STANDARD
1	Body	Ductile iron	GGG40 / ASTM A356
2	Input Cover	Ductile iron	GGG40 / ASTM A356
3	Crown wheel	Cast iron / C45K	GGG50 / AISI 1045
4	Bearing	Steel	100 Cr6
5	Key	Key steel	ISO R773
6	Input shaft / conic wheel	Stainless steel	AISI 303
7	Axial needle bearing		
8	Gasket	Nitrile / silicone	NBR-70° shore
9	O-rings	Nitrile	NBR-70° shore
10	Base plate	Carbon steel	ST.34.7 / A283 Gr.D
	Fasteners	Steel	

**K SERIES**



GEAR MODEL	TYPE	A	B max bore	BI bore length	D	H	L	I	DM	HM	LM	IM	PM	OD	P (VALVE MOUNTING DETAILS)	
															BCD	QTY x TAP
															GENERAL	
GENERAL							WITHOUT FLANGE		WITH FLANGE						GENERAL	
K-300	MM	-	40	60	20	111	152	40	20	-	205	50	102	125	102	4X M10
	INCH	-	1.57	2.36	0.79	4.37	5.98	1.57	0.79	-	8.07	1.97	4.02	4.92	4.02	4X M10
K-500	MM	-	52	65	20	117	165	40	20	-	224	50	102	125	140	4X M16
	INCH	-	2.05	2.56	0.79	4.61	6.50	1.57	0.79	-	8.82	1.97	4.02	4.92	5.51	4X M16
K-1000	MM	-	65	86	30	150	197	50	20	-	247	50	102	125	165	4X M20
	INCH	-	2.56	3.39	1.18	5.91	7.76	1.97	0.79	-	9.72	1.97	4.02	4.92	6.50	4X M20
K-2000	MM	-	70	87	35	152	236	60	20	-	270	50	102	125	165	4X M20
	INCH	-	2.76	3.43	1.38	5.98	9.29	2.36	0.79	-	10.63	1.97	4.02	4.92	6.50	4X M20
R-500	MM	218	52	65	25	131	185	55	20	174	224	-	102	125	140	4X M16
	INCH	8.58	2.05	2.56	0.98	5.16	7.28	2.17	0.79	6.85	8.82	-	4.02	4.92	5.51	4X M16
R-1000	MM	275	65	86	25	164	209	55	20	198	248	-	102	125	165	4X M20
	INCH	10.83	2.56	3.39	0.98	6.46	8.23	2.17	0.79	7.80	9.76	-	4.02	4.92	6.50	4X M20
R-2000	MM	310	70	87	35	221	270	60	20	247	297	-	102	125	165	4X M20
	INCH	12.20	2.76	3.43	1.38	8.70	10.63	2.36	0.79	9.72	11.69	-	4.02	4.92	6.50	4X M20

Contents subject to change without notice.

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