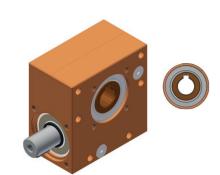
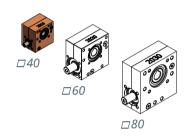
Worm gear reducer Ket-Motion 2015 P

with feather key groove







Universally usable and maintenance-free worm gear unitwith an **axis distance of 15 mm** and with nine different reduction ratios. The housing is encapsulated to prevent the escape of grease and the ingress of dust. The worm gear pair is left-handed. The direction of rotation on the shaft is arbitrary.

Special features

- Axis distance 15 mm
- Maintenance-free grease lubrication
- Housing anodized aluminum, orange as standard, other colors possible to suit customer requirement



- Backlash on the output shaft $1^{\circ} \pm 0.5^{\circ}$, (for i=1:1 $2^{\circ} \pm 0.5^{\circ}$)
- Duty cycle 20 % for 5 min (1 min ON, 4 min OFF)
- Service life of 1,000 hours with:
 - full load and
 - input speed of 500 rpm and
 - duty cycle 20 % for 5 min and
 - ambient temperature 20 °C

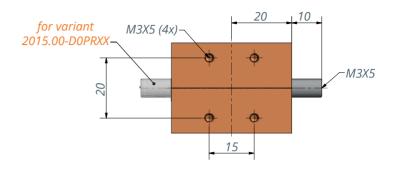
Variant key

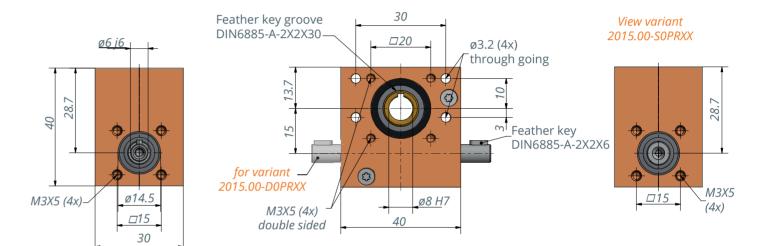
- Variant 2015.00-SOPRXX with one drive pin
- Variant 2015.00-D0PRXX with through going axis

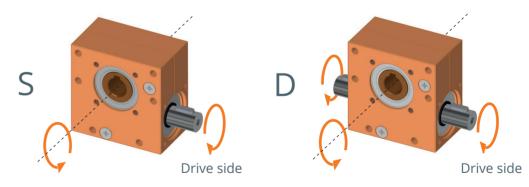
Technical data

						Drive side		
Item number	Ratio i	Self- locking static	Output-speed n in min ⁻¹	Max. output- torque M in Nm	Max. drive- torque M in Nm	Radial- force ¹⁾ F _R in N	Axial- force ²⁾ F _A in N	Degree of efficiency %
2015.00-S0PR47	47 : 1	Yes	100/500/1000	1.6/1.4/1.2	0.10/0.09/0.08	200	200	34
2015.00-D0PR47								
2015.00-S0PR40	40:1	Yes	100/500/1000	1.7/1.6/1.5	0.15/0.14/0.13	150	150	29
2015.00-D0PR40								
2015.00-S0PR30	30:1	No	100/500/1000	2.6/2.3/2.0	0.20/0.18/0.16	100	100	43
2015.00-D0PR30								
2015.00-S0PR18	18:1	No	100/500/1000	2.8/2.5/2.3	0.37/0.33/0.30	50	50	42
2015.00-D0PR18								
2015.00-S0PR12	12:1	No	100/500/1000	3.0/2.8/2.5	0.56/0.52/0.46	50	50	45
2015.00-D0PR12								
2015.00-S0PR05	5:1	No	100/500/1000	2.7/2.6/2.4	0.89/0.85/0.79	50	50	61
2015.00-D0PR05								
2015.00-S0PR01*	1:1	No	100/500/1000	1.0/0.6/0.3	1.28/0.77/0.38	50	50	78
2015.00-D0PR01*								

¹⁾ The values of F_R apply only when F_A = 0 N







Variant 2015.00-**\$**0PRXX with one drive pin

Variant 2015.00-**D**0PRXX with through going axis

Technical notes

- Permissible force on drive side: F_A = 200 N when F_R = 0 N and F_R = 200 N when F_A = 0 N
- The positions of the feather keys as standard in variant D are not in line. Possible on enquiry if needed

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²⁾ The values of F_A apply only when $F_R = 0$ N

^{*} Backlash on the output shaft 2°± 0.5°