

# Gearboxes

Output Torque Range  
2.5Nm to 8.8Nm

Ratio  
5:1 - 120:1

Worm / Wheel Reduction

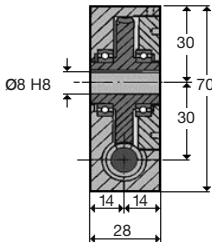
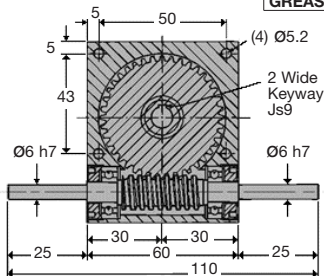
Shaft Input

HPCP30

PRECISION WORM GEAR REDUCERS HPCP30



<b>WEIGHT</b>	0.48 Kg
<b>BACKLASH</b>	0° 30' approx
<b>HOURS LIFE</b>	12000 hr
<b>MAX INPUT SPEED</b>	5000 rpm
<b>MATERIAL:</b>	
<b>CASE MAT'L</b>	Aluminium HE30TF
<b>WORM MAT'L</b>	817M40(EN24)
<b>WHEEL MAT'L</b>	Alum. Bronze (AB2)
<b>GREASED FOR LIFE</b>	Shell Gadus



N.m.	RPM Input	Reduction ratio					
		10:1	12:1	15:1	20:1	30:1	60:1
Output Torque	3000	2.5	2.5	2.6	2.7	3.0	3.5
	2000	2.8	2.9	3.0	3.2	3.6	4.1
	1000	3.5	3.7	4.0	4.2	4.5	5.0
	500	4.6	4.7	4.9	5.1	5.3	5.8
	200	5.4	5.6	5.7	5.9	6.2	6.6
	100	6.0	6.0	6.5	6.5	7.0	7.5
	50	7.5	7.8	8.0	8.3	8.3	8.6
	10	8.0	8.0	8.3	8.5	8.5	8.8

DISCOUNTS	
1 - 5	List Price
6 - 19	-5%
20 - 49	-10%
50 - 99	-15%
100 +	-20%

PART NUMBER	Ratio	Max Input Speed	Max Output Speed	% Effi. at 1000 Rpm	Backdrive	PRICE EACH 1-5
HPCP30-10	10:1	5000	500	90	YES	£152.76
HPCP30-12	12:1	5000	416	88	YES	£152.76
HPCP30-15	15:1	5000	333	86	YES	£152.76
HPCP30-20	20:1	5000	250	84	YES	£152.76
HPCP30-30	30:1	5000	166	78	YES	£152.76
HPCP30-60	60:1	5000	83	70	NO	£152.76
HPCP30-S	5:1-120:1 SPECIAL RATIO					£201.51
HPCP30-A	SPECIAL MINIMUM BACKLASH 0° 8' OF ARC					£268.58

Output Shafts: HPCP30-X (Single), HPCP30-DX (Double): See page 1.23.

Testing in your application is necessary. You will need to assess duty, cycles and confirm gearbox suitability with your own calculations. Torque figures are to be used for guidance only.

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