

# Gearboxes

Output Torque Range  
30Nm to 118Nm

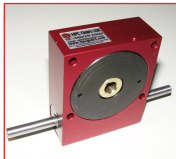
Ratio  
5:1 - 120:1

**Worm / Wheel Reduction**

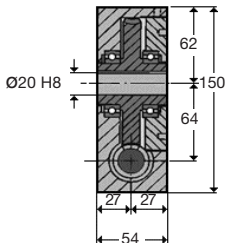
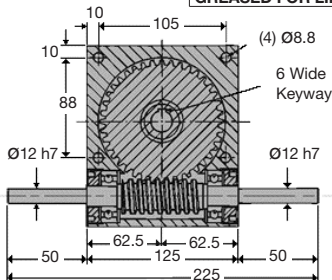
**Shaft Input**

**HPCP60**

PRECISION WORM GEAR REDUCERS HPCP60



<b>WEIGHT</b>	4.1 Kg
<b>BACKLASH</b>	0° 30' approx
<b>HOURS LIFE</b>	12000 hr
<b>MAX INPUT SPEED</b>	3000 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) with Steel Hub
<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	30	31	33	35	38	44
	2000	33	36	39	41	44	50
	1000	45	47	50	54	58	64
	500	58	60	62	65	69	73
	200	77	78	80	84	88	94
	100	88	89	91	94	97	102
	50	100	102	104	105	107	110
	10	113	114	115	116	116	118

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
HPCP60-10	10:1	3000	300	90	YES	£360.57
HPCP60-12	12:1	3000	250	89	YES	£360.57
HPCP60-15	15:1	3000	200	85	YES	£360.57
HPCP60-20	20:1	3000	150	85	YES	£360.57
HPCP60-30	30:1	3000	100	78	YES	£360.57
HPCP60-60	60:1	3000	50	68	NO	£355.57
HPCP60-S	5:1-120:1		SPECIAL RATIO			£377.27
HPCP60-A	SPECIAL MINIMUM BACKLASH 0° 8' OF ARC					£535.09

Output Shafts: HPCP60-X (Single), HPCP60-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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