

Output Torque Range
1.25Nm to 5Nm

Ratio
5:1 - 120:1

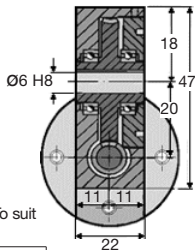
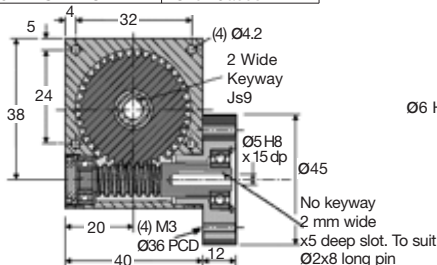
Gearboxes

HPCPF20

Worm / Wheel Reduction

Hollow Input

| | |
|-------------------------|--------------------|
| WEIGHT | 0.23 Kg |
| BACKLASH | 0° 30' |
| HOURS LIFE | 12000 hr |
| MAX INPUT SPEED | 6000 rpm |
| MATERIAL: | |
| CASE MAT'L | Aluminium HE30TF |
| WORM MAT'L | 817M40(EN24) |
| WHEEL MAT'L | Alum. Bronze (AB2) |
| GREASED FOR LIFE | Shell Gadus |



| N.m. | RPM Input | Reduction ratio | | | | | | |
|---------------|-----------|-----------------|------|------|------|------|------|-------|
| | | 10:1 | 12:1 | 15:1 | 20:1 | 30:1 | 60:1 | 120:1 |
| Output Torque | 3000 | 1.4 | 1.5 | 1.6 | 1.7 | 1.9 | 2.1 | 1.25 |
| | 2000 | 1.7 | 1.7 | 1.8 | 1.8 | 2.1 | 2.4 | 1.42 |
| | 1000 | 2.1 | 2.3 | 2.3 | 2.5 | 2.7 | 2.9 | 1.70 |
| | 500 | 2.7 | 2.7 | 2.8 | 2.9 | 3.2 | 3.5 | 1.94 |
| | 200 | 3.4 | 3.5 | 3.5 | 3.7 | 3.9 | 4.1 | 2.27 |
| | 100 | 3.9 | 3.9 | 4.1 | 4.2 | 4.3 | 4.5 | 2.55 |
| | 50 | 4.4 | 4.5 | 4.5 | 4.6 | 4.7 | 4.8 | 2.72 |
| | 10 | 4.8 | 4.8 | 4.9 | 4.9 | 5.0 | 5.0 | 2.72 |

| 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 | % Eff. at 1000 Rpm | Backdrive | PRICE EACH 1-5 |
|-------------|---------------------------------------|-----------------|------------------|--------------------|-----------|----------------|
| HPCPF20-10 | 10:1 | 6000 | 600 | 86 | YES | £157.47 |
| HPCPF20-12 | 12:1 | 6000 | 500 | 85 | YES | £157.47 |
| HPCPF20-15 | 15:1 | 6000 | 400 | 84 | YES | £157.47 |
| HPCPF20-20 | 20:1 | 6000 | 300 | 78 | YES | £157.47 |
| HPCPF20-30 | 30:1 | 6000 | 200 | 71 | YES/NO | £157.47 |
| HPCPF20-60 | 60:1 | 6000 | 100 | 60 | NO | £157.47 |
| HPCPF20-S | 5:1-120:1 SPECIAL RATIO | | | | | £195.28 |
| HPCPF20-A | SPECIAL MINIMUM BACKLASH 0° 8' OF ARC | | | | | £261.54 |

Output Shafts: HPCP20-X (Single), HPCP20-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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1.5

Gearboxes PRECISION WORM GEAR REDUCERS HPCPF20