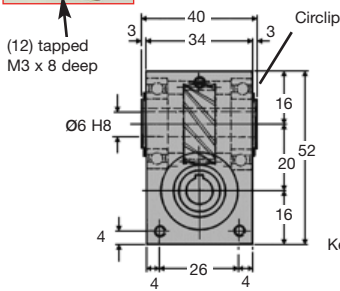
Crossed Helical, Reduction (Hardened Gears) HPCE20

WEIGHT	0.255 Kg
BACKLASH	1° approx
HOURS LIFE	12000 hr
MATERIAL:	
CASE MAT'L	Aluminium HE30TF
GEAR MAT'L	655M13 Case Hardened
GREASED FOR LIFE	Shell Alvania



N.m. Output Torque

RPM Input	Reduction ratio 1:1	2:1	3:1	4:1	5:1
3000	0.6	0.6	0.6	0.6	0.6
2000	0.7	0.7	0.7	0.7	0.7
1000	1.0	1.0	1.0	1.0	1.0
500	1.4	1.4	1.4	1.4	1.4
100	1.8	1.8	1.8	1.8	1.8
50	1.9	1.9	1.9	1.9	1.9
10	2.0	2.0	2.0	2.0	2.0

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

PART NUMBER	Ratio	Type	% Effi. @ 1000 Rpm	Max I/P Speed	Max O/P Speed	Back-drive	PRICE EACH 1-5
HPCE20-1	1:1	Helical	88	4000	4000	YES	**£174.29**
HPCE20-2	2:1	Helical	86	4000	2000	YES	**£174.29**
HPCE20-3	3:1	Helical	85	4000	1333	YES	**£174.29**
HPCE20-4	4:1	Helical	84	4000	1000	YES	**£174.29**
HPCE20-5	5:1	Helical	80	4000	800	YES	**£174.29**
HPCE20-SP	1:1 - 40:1	Special Ratios: Replace **SP** with required ratio					**£221.98**
HPCE20-SPA	1:1 - 40:1	Low Backlash ≤ 30'. Replace **SP** with required ratio					**£221.98**
HPCE20-SPLH	1:1 - 40:1	Left Hand Helicals: Replace **SP** with required ratio					**£334.30**

Output Shafts: HPCE20-X (Single), HPCE20-DX (Double): See page 1.35

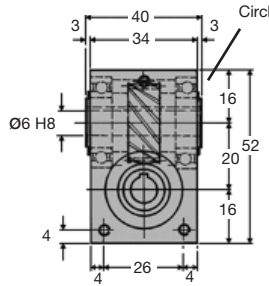
Special bores and other modifications are available. Please contact Technical Sales department.

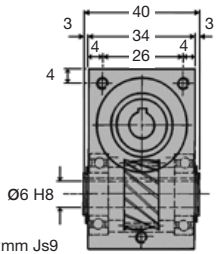
Testing in your application is necessary. You will need to assess duty, cycles and confirm gearbox suitability with your own calculations. Torque figures are to be used for guidance only.

HPCE20 Wormwheel, Reduction (Hardened Worm)

WEIGHT	0.255 Kg
BACKLASH	1° approx
HOURS LIFE	12000 hr
MATERIAL:	
CASE MAT'L	Aluminium HE30TF
WORM MAT'L	655M13 Case Hardened
WHEEL MAT'L	Aluminium Bronze CA104
GREASED FOR LIFE	Shell Gadus

(12) tapped M3 x 8 deep





Keyways 2mm Js9

N.m. Output Torque

RPM Input	Reduction ratio 8:1	10:1	20:1	40:1
3000	-	-	-	-
2000	1.05	1.20	1.36	1.52
1000	1.31	1.47	1.63	1.80
500	1.93	2.08	2.22	2.37
100	2.60	2.70	2.83	2.95
50	2.95	3.13	3.31	3.40
10	3.62	3.70	3.80	3.84

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

PART NUMBER	Ratio	Type	% Effi. @ 1000 Rpm	Max I/P Speed	Max O/P Speed	Back-drive	PRICE EACH 1-5
HPCE20-8	8:1	worm wheel	80	2000	250	YES	**£174.29**
HPCE20-10	10:1	worm wheel	73	2000	200	YES	**£174.29**
HPCE20-20	20:1	worm wheel	67	2000	100	NO	**£174.29**
HPCE20-40	40:1	worm wheel	60	2000	50	NO	**£174.29**
HPCE20-SP	1:1 - 40:1	Special Ratios: Replace **SP** with required ratio					**£221.98**
HPCE20-SPA	1:1 - 40:1	Low Backlash ≤ 30'. Replace **SP** with required ratio					**£221.98**
HPCE20-SPLH	1:1 - 40:1	Left Hand Helicals: Replace **SP** with required ratio					**£334.30**

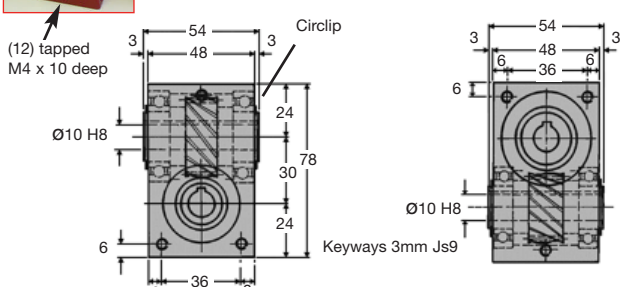
Output Shafts: HPCE20-X (Single), HPCE20-DX (Double): See page 1.35

Special bores and other modifications are available. Please contact Technical Sales department.

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.

Crossed Helical, Reduction (Hardened Gears) HPCE30

WEIGHT	0.720 Kg
BACKLASH	1° approx
HOURS LIFE	12000 hr
MATERIAL:	
CASE MAT'L	Aluminium HE30TF
GEAR MAT'L	655M13 Case Hardened
GREASED FOR LIFE	Shell Alvania



N.m. Output Torque

RPM Input	Reduction ratio 1:1	2:1	3:1	4:1	5:1
3000	1.5	1.5	1.5	1.5	1.5
2000	2.0	2.0	2.0	2.0	2.0
1000	2.5	2.5	2.5	2.5	2.5
500	3.0	3.0	3.0	3.0	3.0
100	4.0	4.0	4.0	4.0	4.0
50	4.5	4.5	4.5	4.5	4.5
10	5.0	5.0	5.0	5.0	5.0

DISCOUNTS

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

PART NUMBER	Ratio	Type	% Effi. @ 1000 Rpm	Max I/P Speed	Max O/P Speed	Back-drive	PRICE EACH 1-5
HPCE30-1	1:1	Helical	90	4000	4000	YES	**£200.01**
HPCE30-2	2:1	Helical	88	4000	2000	YES	**£200.01**
HPCE30-3	3:1	Helical	87	4000	1333	YES	**£200.01**
HPCE30-4	4:1	Helical	86	4000	1000	YES	**£200.01**
HPCE30-5	5:1	Helical	80	4000	800	YES	**£200.01**
HPCE30-SP	1:1 - 40:1	Special Ratios: Replace **SP** with required ratio					**£323.39**
HPCE30-SPA	1:1 - 40:1	Low Backlash ≤ 30'. Replace **SP** with required ratio					**£323.39**
HPCE30-SPLH	1:1 - 40:1	Left Hand Helicals: Replace **SP** with required ratio					**£323.39**

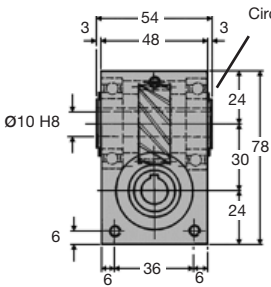
Output Shafts: HPCE30-X (Single), HPCE30-DX (Double): See page 1.35

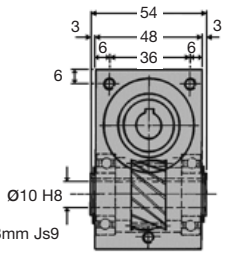
Special bores and other modifications are available. Please contact Technical Sales department.

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.

HPCE30 Wormwheel, Reduction (Hardened Worm)

WEIGHT	0.720 Kg
BACKLASH	1° approx
HOURS LIFE	12000 hr
MATERIAL:	
CASE MAT'L	Aluminium HE30TF
WORM MAT'L	655M13 Case Hardened
WHEEL MAT'L	Aluminium Bronze CA104
GREASED FOR LIFE	Shell Gadus





N.m. Output Torque	RPM Input	Reduction ratio 8:1	10:1	20:1	40:1
	3000	-	-	-	-
	2000	-	-	-	-
	1000	3.6	4.2	4.7	5.0
	500	4.9	5.3	5.6	6.0
	100	6.5	7.0	7.1	7.3
	50	7.9	8.4	8.5	8.6
	10	8.5	8.7	8.9	9.0

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

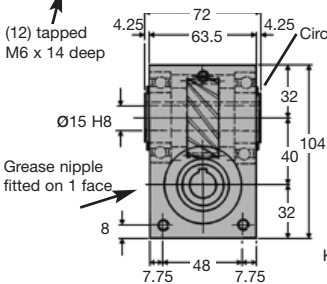
PART NUMBER	Ratio	Type	% Effi. @ 1000 Rpm	Max I/P Speed	Max O/P Speed	Back-drive	PRICE EACH 1-5
HPCE30-8	8:1	worm wheel	80	1500	187	YES	**£200.01**
HPCE30-10	10:1	worm wheel	73	1500	150	YES	**£200.01**
HPCE30-20	20:1	worm wheel	67	1500	75	NO	**£200.01**
HPCE30-40	40:1	worm wheel	60	1500	37	NO	**£200.01**
HPCE30-SP	1:1 - 40:1	Special Ratios: Replace **SP** with required ratio					**£323.39**
HPCE30-SPA	1:1 - 40:1	Low Backlash ≤ 30'. Replace **SP** with required ratio					**£323.39**
HPCE30-SPLH	1:1 - 40:1	Left Hand Helicals: Replace **SP** with required ratio					**£323.39**

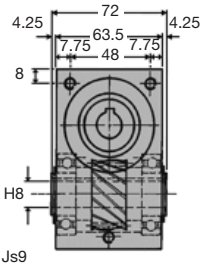
Output Shafts: HPCE30-X (Single), HPCE30-DX (Double): See page 1.35
Special bores and other modifications are available. Please contact Technical Sales department.

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.

Crossed Helical, Reduction (Hardened Gears) HPCE40

WEIGHT	1.67 Kg
BACKLASH	1º approx
HOURS LIFE	12000 hr
MAX INPUT SPEED	4000 rpm
MATERIAL:	
CASE MAT'L	Aluminium HE30TF
GEAR MAT'L	655M13 Case Hardened
GREASED FOR LIFE	Shell Alvania





N.m. Output Torque

RPM Input	Reduction ratio 1:1	2:1	3:1	4:1	5:1
3000	2.3	2.3	2.3	2.3	2.3
2000	2.8	2.8	2.8	2.8	2.8
1000	3.8	3.8	3.8	3.8	3.8
500	5.0	5.0	5.0	5.0	5.0
100	8.0	8.0	8.0	8.0	8.0
50	9.0	9.0	9.0	9.0	9.0
10	10.0	10.0	10.0	10.0	10.0

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

PART NUMBER	Ratio	Type	% Effi. @ 1000 Rpm	Max I/P Speed	Max O/P Speed	Back-drive	PRICE EACH 1-5
HPCE40-1	1:1	Helical	92	4000	4000	YES	£264.25
HPCE40-2	2:1	Helical	90	4000	2000	YES	£264.25
HPCE40-3	3:1	Helical	89	4000	1333	YES	£264.25
HPCE40-4	4:1	Helical	88	4000	1000	YES	£264.25
HPCE40-5	5:1	Helical	80	4000	800	YES	£264.25
HPCE40-SP	1:1 - 40:1	Special Ratios: Replace **SP** with required ratio					£334.25
HPCE40-SPA	1:1 - 40:1	Low Backlash ≤ 30'. Replace **SP** with required ratio					£334.25
HPCE40-SPLH	1:1 - 40:1	Left Hand Helicals: Replace **SP** with required ratio					£334.25

Output Shafts: HPCE40-X (Single), HPCE40-DX (Double): See page 1.35

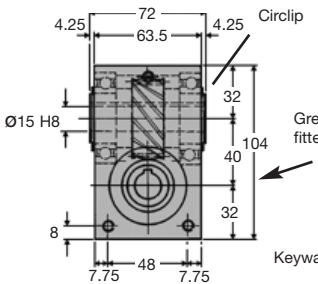
Special bores and other modifications are available. Please contact Technical Sales department.

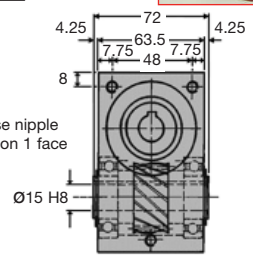
Testing in your application is necessary. You will need to assess duty, cycles and confirm gearbox suitability with your own calculations. Torque figures are to be used for guidance only.

HPCE40 Wormwheel, Reduction (Hardened Worm)

WEIGHT	1.67 Kg
BACKLASH	1° approx
HOURS LIFE	12000 hr
MATERIAL:	
CASE MAT'L	Aluminium HE30TF
WORM MAT'L	655M13 Case Hardened
WHEEL MAT'L	Aluminium Bronze CA104
GREASED FOR LIFE	Shell Gadus

(12) tapped M6 x 14 deep





N.m.

Output Torque

RPM Input	Reduction ratio 8:1	10:1	20:1	40:1
3000	-	-	-	-
2000	-	-	-	-
1000	7.3	8.0	8.8	9.7
500	10.7	11.3	12.2	13.1
100	14.2	15.0	15.8	16.7
50	17.1	17.3	17.7	18.2
10	19.5	19.6	19.8	20.0

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

PART NUMBER	Ratio	Type	% Effi. @ 1000 Rpm	Max I/P Speed	Max O/P Speed	Back-drive	PRICE EACH 1-5
HPCE40-8	8:1	worm wheel	80	1500	187	YES	**£264.25**
HPCE40-10	10:1	worm wheel	73	1500	150	YES	**£264.25**
HPCE40-20	20:1	worm wheel	67	1500	75	NO	**£264.25**
HPCE40-40	40:1	worm wheel	60	1500	37	NO	**£264.25**
HPCE40-SP	1:1 - 40:1	Special Ratios: Replace **SP** with required ratio					**£334.25**
HPCE40-SPA	1:1 - 40:1	Low Backlash ≤ 30'. Replace **SP** with required ratio					**£334.25**
HPCE40-SPLH	1:1 - 40:1	Left Hand Helicals: Replace **SP** with required ratio					**£334.25**

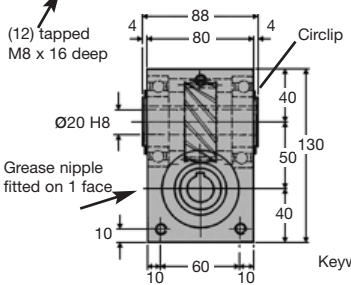
Output Shafts: HPCE40-X (Single), HPCE40-DX (Double): See page 1.35

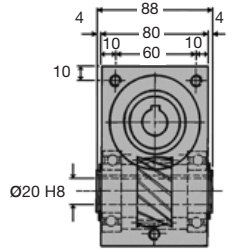
Special bores and other modifications are available. Please contact Technical Sales department.

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.

Crossed Helical, Reduction (Hardened Gears) HPCE50

WEIGHT	3.35 Kg
BACKLASH	1º approx
HOURS LIFE	12000 hr
MAX INPUT SPEED	3000 rpm
MATERIAL:	
CASE MAT'L	Aluminium HE30TF
GEAR MAT'L	655M13 Case Hardened
GREASED FOR LIFE	Shell Alvania





N.m. Output Torque

RPM Input	Reduction ratio 1:1	2:1	3:1	4:1	5:1
3000	3.0	3.0	3.0	3.0	3.0
2000	4.0	4.0	4.0	4.0	4.0
1000	6.0	6.0	6.0	6.0	6.0
500	8.0	8.0	8.0	8.0	8.0
100	12.0	12.0	12.0	12.0	12.0
50	14.0	14.0	14.0	14.0	14.0
10	16.0	16.0	16.0	16.0	16.0

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

PART NUMBER	Ratio	Type	% Effi. @ 1000 Rpm	Max I/P Speed	Max O/P Speed	Back-drive	PRICE EACH 1-5
HPCE50-1	1:1	Helical	93	3000	3000	YES	**£334.64**
HPCE50-2	2:1	Helical	91	3000	1500	YES	**£334.64**
HPCE50-3	3:1	Helical	90	3000	1000	YES	**£334.64**
HPCE50-4	4:1	Helical	89	3000	750	YES	**£334.64**
HPCE50-5	5:1	Helical	80	3000	600	YES	**£334.64**
HPCE50-SP	1:1 - 40:1	Special Ratios: Replace **SP** with required ratio					**£457.95**
HPCE50-SPA	1:1 - 40:1	Low Backlash ≤ 30'. Replace **SP** with required ratio					**£457.95**
HPCE50-SPLH	1:1 - 40:1	Left Hand Helicals: Replace **SP** with required ratio					**£457.95**

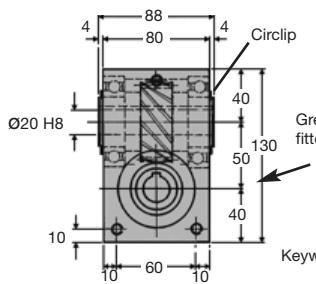
Output Shafts: HPCE50-X (Single), HPCE50-DX (Double): See page 1.35

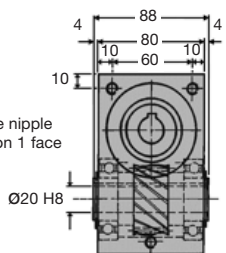
Special bores and other modifications are available. Please contact Technical Sales department.

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.

HPCE50 Wormwheel, Reduction (Hardened Worm)

WEIGHT	3.35 Kg
BACKLASH	1° approx
HOURS LIFE	12000 hr
MATERIAL:	
CASE MAT'L	Aluminium HE30TF
WORM MAT'L	655M13 Case Hardened
WHEEL MAT'L	Aluminium Bronze CA104
GREASED FOR LIFE	Shell Gadus





N.m.

Output Torque

RPM Input	Reduction ratio 8:1	10:1	20:1	40:1
3000	-	-	-	-
2000	-	-	-	-
1000	11.3	13.0	15.0	17.0
500	18.0	20.0	21.0	23.0
100	25.0	26.0	28.0	30.0
50	31.0	31.0	32.0	33.0
10	40.0	40.0	41.0	41.0

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

PART NUMBER	Ratio	Type	% Effi. @ 1000 Rpm	Max I/P Speed	Max O/P Speed	Back-drive	PRICE EACH 1-5
HPCE50-8	8:1	worm wheel	80	1500	187	YES	**£334.64**
HPCE50-10	10:1	worm wheel	73	1500	150	YES	**£334.64**
HPCE50-20	20:1	worm wheel	67	1500	75	NO	**£334.64**
HPCE50-40	40:1	worm wheel	60	1500	37	NO	**£334.64**
HPCE50-SP	1:1 - 40:1	Special Ratios: Replace **SP** with required ratio					**£457.95**
HPCE50-SPA	1:1 - 40:1	Low Backlash ≤ 30'. Replace **SP** with required ratio					**£457.95**
HPCE50-SPLH	1:1 - 40:1	Left Hand Helicals: Replace **SP** with required ratio					**£457.95**

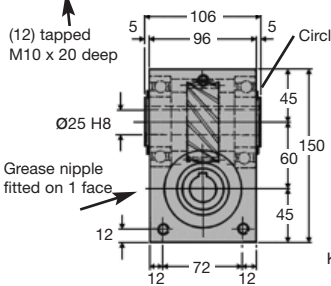
Output Shafts: HPCE50-X (Single), HPCE50-DX (Double): See page 1.35

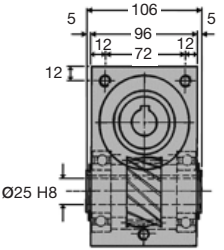
Special bores and other modifications are available. Please contact Technical Sales department.

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.

Crossed Helical, Reduction (Hardened Gears) HPCE60

WEIGHT	5.5 Kg
BACKLASH	1° approx
HOURS LIFE	12000 hr
MAX INPUT SPEED	3000 rpm
MATERIAL:	
CASE MAT'L	Aluminium HE30TF
GEAR MAT'L	655M13 Case Hardened
GREASED FOR LIFE	Shell Alvania





Keyways 8mm Js9

N.m. Output Torque	RPM Input	Reduction ratio 1:1	2:1	3:1	4:1	5:1
	3000	4.5	4.5	4.5	4.5	4.5
	2000	5.5	5.5	5.5	5.5	5.5
	1000	8.0	8.0	8.0	8.0	8.0
	500	10.0	10.0	10.0	10.0	10.0
	100	16.0	16.0	16.0	16.0	16.0
	50	20.0	20.0	20.0	20.0	20.0
	10	24.0	24.0	24.0	24.0	24.0

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

PART NUMBER	Ratio	Type	% Effi. @ 1000 Rpm	Max I/P Speed	Max O/P Speed	Back-drive	PRICE EACH 1-5
HPCE60-1	1:1	Helical	94	3000	3000	YES	**£404.07**
HPCE60-2	2:1	Helical	92	3000	1500	YES	**£404.07**
HPCE60-3	3:1	Helical	91	3000	1000	YES	**£404.07**
HPCE60-4	4:1	Helical	90	3000	750	YES	**£404.07**
HPCE60-5	5:1	Helical	80	3000	600	YES	**£404.07**
HPCE60-SP	1:1 - 40:1	Special Ratios: Replace **SP** with required ratio					**£540.31**
HPCE60-SPA	1:1 - 40:1	Low Backlash ≤ 30'. Replace **SP** with required ratio					**£540.31**
HPCE60-SPLH	1:1 - 40:1	Left Hand Helicals: Replace **SP** with required ratio					**£540.31**

Output Shafts: HPCE60-X (Single), HPCE60-DX (Double): See page 1.35

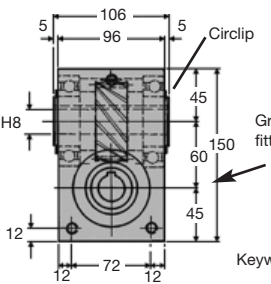
Special bores and other modifications are available. Please contact Technical Sales department.

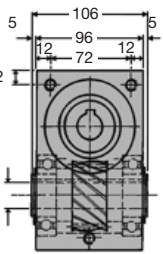
Testing in your application is necessary. You will need to assess duty, cycles and confirm gearbox suitability with your own calculations. Torque figures are to be used for guidance only.

HPCE60 Wormwheel, Reduction (Hardened Worm)

WEIGHT	5.5 Kg
BACKLASH	1° approx
HOURS LIFE	12000 hr
MATERIAL:	
CASE MAT'L	Aluminium HE30TF
WORM MAT'L	655M13 Case Hardened
WHEEL MAT'L	Aluminium Bronze CA104
GREASED FOR LIFE	Shell Gadus

(12) tapped M10 x 20 deep





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Output Torque

RPM Input	Reduction ratio 8:1	10:1	20:1	40:1
3000	-	-	-	-
2000	-	-	-	-
1000	17.8	21.3	22.0	24.0
500	27.0	29.0	31.0	34.0
100	37.0	40.2	42.0	44.0
50	48.0	49.0	50.0	51.0
10	60.0	60.0	61.0	62.0

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

PART NUMBER	Ratio	Type	% Effi. @ 1000 Rpm	Max I/P Speed	Max O/P Speed	Back-drive	PRICE EACH 1-5
HPCE60-8	8:1	worm wheel	80	1500	187		**£404.07**
HPCE60-10	10:1	worm wheel	73	1500	150		**£404.07**
HPCE60-20	20:1	worm wheel	67	1500	75		**£404.07**
HPCE60-40	40:1	worm wheel	60	1500	37		**£404.07**
HPCE60-SP	1:1 - 40:1	Special Ratios: Replace **SP** with required ratio					**£540.31**
HPCE60-SPA	1:1 - 40:1	Low Backlash ≤ 30'. Replace **SP** with required ratio					**£540.31**
HPCE60-SPLH	1:1 - 40:1	Left Hand Helicals: Replace **SP** with required ratio					**£540.31**

Output Shafts: HPCE60-X (Single), HPCE60-DX (Double): See page 1.35

Special bores and other modifications are available. Please contact Technical Sales department.

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.

Technical

Backlash: Backlash figures given are at output. Standard backlash approx. 1°, minimum backlash approx. 30 arc mins.
Torque: Torque figures are given as a guide only. Testing in your application is necessary.
Specials: Specials are available to any specification. Please consult our HPC Gears Technical Department.
Modifications: Are available on all our standard gearboxes. Please consult our HPC Gears Technical Department.
Keyways, Bores: All bores are toleranced to H8 ISO 286. Keyways are broached to DIN 6885 (sliding fit).
Lubrications: Gearboxes are greased for life with Shell Gadus S2 V220AD2 or Shell Alvania HDX 2 high performance grease.
Ratios: 10:1 - 40:1. Specials are available on request. Please consult our HPC Gears Technical Department.

Materials

Case: Red anodised billet machined aluminium (6082T6).
Input Gear: 1:1 - 40:1, hardened alloy steel (655M13).
Output Gear: 1:1- 5:1 hardened alloy steel (655M13). 8:1 - 40:1 Aluminium bronze (CA104).

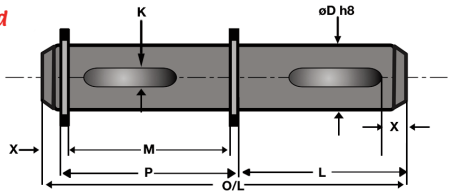
Bearings: High quality steel single row bearings with rubber seals.
Circlips: DIN471 steel.

Lubrication, Mounting and Operating Conditions

- Operating temperature range 0° C to 70° C. Standard grease.
- Wider range of operating temperatures are achievable by fitting steel shielded bearings - 10° C to +120° C. Please consult our HPC Gears Technical Department for advice.

- Gearboxes are designed as speed reducers.
- Shafts should always be connected with a flexible coupling.
- Always mount drive components as close to gearbox body as possible to prevent damage to shaft and bearing.
- Avoid all impact to unit on installation as this may cause internal damage.
- We recommend all modifications are carried out by HPC Gears prior to gearbox assembly.
- Modifications undertaken by customers will invalidate the warranty.

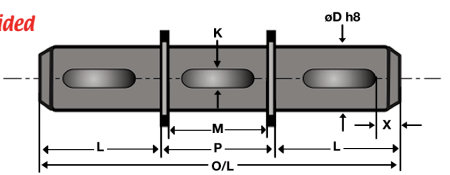
HPCE-X Single Sided



DISCOUNTS	1 - 5	6-19	20-39	40-59	60-99	100+
	List Price	-10%	-15%	-20%	-25%	-30%

PART NUMBER	øD	O/L	M	P	X	L	K	PRICE EACH 1-5
SINGLE SIDED								
HPCE20-X	6	68.80	40	41.60	3.00	25	K2 x 22	**£21.46**
HPCE30-X	10	98.60	54	56.20	3.50	40	K3 x 20	**£24.65**
HPCE40-X	15	127.10	72	74.20	4.00	50	K5 x 30	**£30.68**
HPCE50-X	20	153.80	88	90.60	4.50	60	K6 x 32	**£34.04**
HPCE60-X	25	182.30	106	108.60	5.00	70	K8 x 40	**£36.37**

HPCPE-DX Double Sided



DISCOUNTS	1 - 5	6-19	20-39	40-59	60-99	100+
	List Price	-10%	-15%	-20%	-25%	-30%

PART NUMBER	øD	O/L	M	P	X	L	K	PRICE EACH 1-5
DOUBLE SIDED								
HPCE20-DX	6	91.60	40	41.60	3.00	25	K2 x 22	**£27.37**
HPCE30-DX	10	136.20	54	56.20	3.50	40	K3 x 20	**£31.43**
HPCE40-DX	15	174.20	72	74.20	4.00	50	K5 x 30	**£36.50**
HPCE50-DX	20	210.60	88	90.60	4.50	60	K6 x 32	**£42.60**
HPCE60-DX	25	248.60	106	108.60	5.00	70	K8 x 40	**£50.54**

Material: 303 Stainless Steel, includes Steel Keys & Circlips.