

A	Antibacklash Gears	(AB, ABS)	19
	Antibacklash Worm Wheels	(ABM)	16
B	Ball Bearings	.Radial, Single Row	4.42
	Ball Thrust Bearing Sets	.Stainless Steel	4.86
	Bearing Housed Assembly	.Round, Double-Flat, Square	4.68-4.70
	Bearings	.Radial, Single Row	4.42
	Belt Guides	(TDC)	12.132
	Belts - High Torque	3mm, 5mm, 8mm & 14mm Pitch (HTD)	12.110
	Belts - Timing	0.08" Pitch (MP)	12.93
	Belts - Timing	0.08" Pitch (MXL)	12.107
	Belts - Timing	0.2" Pitch (XL)	12.94
	Belts - Timing	3/8" Pitch (L)	12.96
	Belts - Timing	2.5mm, 5mm, 10mm & 20mm Pitch (T)	12.88
	Belts - Timing	2.5mm, 5mm, 10mm & 20mm Pitch (BT)	12.100
	Belts - Timing	1/2" Pitch (H)	12.98
	Belts - Reduced Backlash - Timing	5mm, 10mm & 20mm Pitch (AT)	12.116
	Belts - Round	(PRB)	12.119
	Belts - V Pulley	(NVB)	12.130
	Bevel Gearboxes	BLH & BLHT Boxes	1.36
	Bevel Gears	Angular Bevels (HPCSAM)	14.2
	Bevel Gears	Hypoid (MHP)	14.4
	Bevel Gears	Mitre	14.16
	Bevel Gears	1:1 Ratio (B)	14.6
	Bevel Gears	1:1 Ratio (Plastic) (ZB)	14.7
	Bevel Gears	1:1 Ratio (Plastic Moulded) (ZEB)	14.14
	Bevel Gears	2:1 Ratio (DB)	14.10
	Bevel Gears	2:1 Ratio (Plastic) (ZDB)	14.12
	Bevel Gears	2:1 Ratio (Plastic Moulded) (ZGB)	14.14
	Bevel Gears	3:1 Ratio (TB)	14.11
	Bevel Gears	3:1 Ratio (Plastic) (ZTB)	14.12
	Bevel Gears	4:1 Ratio (FB)	14.11
	Bevel Gears	4:1 (Plastic) (ZFB)	14.12
	Bevels - Spiral	(SMS)	14.23
	Bore Reducers		3.80
	BREAKDOWN SERVICE		21.0
	Budget Gears	(ESG)	21.2
	Budget Racks	(ER)	21.4
	Budget Worms	(EW)	21.5
	Budget Wormwheels	(EM)	21.5
	Bushes	.Oilite® Bushes, Imperial Flanged	4.20
		.Oilite® Bushes, Imperial Plain	4.8
		.Oilite® Bushes, Metric Flanged	4.22
		.Oilite® Bushes, Metric Plain	4.14
		.Oilite® Bushes, Metric Plates	4.26
		.Oilite® Bushes, Solid Bars	4.25
		.Splined Flanged, Phosphor Bronze, Without Holes	2.30



.....	.Splined Flanged, Phosphor Bronze, With Holes	2.32
.....	.Splined Flanged, Steel, Without Holes	2.31
.....	.Splined Flanged, Steel, With Holes	2.33
.....	.Splined Shafts, Steel,	2.36
C	'C' Profiles	(TDC) 12.136
	Cam Followers	4.2
	Chain Breakers	(CHA) 13.29
	Chains Duplex & Triplex	(XSBR, XSUA, XXSBR, XXXSUA) 13.50
	Chains Plastic	(ZSUA) 13.30
	Chains Simplex	(SU, SB) 13.29
	Chain Sprockets	(SF, ASF, S, AS) 13.4
	Chain Sprockets Duplex	(XS, XAS) 13.33
	Chain Sprockets Duplex (Plastic) ..	(ZXS ZXAS) 13.35
	Chain Sprockets (Plastic)	(ZS, ZAS) 13.6
	Chain Sprockets Triplex	(XXS, XXAS) 13.42
	Chain Sprockets Triplex (Plastic) ..	(ZXXS, ZXXAS) 13.43
	Chain Tensioners	(1050, 1060, 1080, 1100, 1120, 1160, 1200) 13.31
	Circlips	6.2
	Clamps	Hub 3.106
	Clamps	Shaft 3.108
	Clutches	Adjustable Friction Clutches 3.70
	Collars	Integral Clamp Collars 3.113
	.....	Set Screw Shaft Collars 3.110
	.....	Collars, Integral 3.113
	Compression Springs	6.6
	Couplings	6 Beam, Acetal (Non-Relieved) 3.46
	.....	6 Beam, Aluminium (Non-Relieved) 3.42
	.....	6 Beam, Stainless Steel (Non-Relieved) 3.38
	.....	Adjustable Friction Clutches 3.70
	.....	Bellows, Nickel 3.8
	.....	Bellows, Stainless Steel 3.2
	.....	Bore Reducers 3.80
	.....	Brass Cross Pieces and Tubes 3.100
	.....	Double Universal Joints, Acetal Body 3.94
	.....	Double Loop 3.66
	.....	Double Universal Joints, Steel & Stain Steel 3.87
	.....	Flexible Jaw 3.60
	.....	Flexible Membrane, Bolted 3.18
	.....	Flexible Membrane, Rivetted 3.12
	.....	Hub Clamps 3.106
	.....	Integral Clamp Collars 3.113
	.....	Oldham (Sliding Disc) 3.30
	.....	Set Screw Shaft Collars 3.110
	.....	Shaft Clamps 3.108

.....	Single Universal Joints, Acetal Body	3.88
.....	Single Beam, Aluminium	3.54
.....	Single Universal Joints, Steel & Stain. Steel	3.86
.....	Step Beam, Nylon	3.58
.....	Universal/Lateral Offset Series	3.24
.....	Universal Joints Retaining Covers	3.85
CUSTOM MADE PRODUCTS (SPECIALS)		12
D	DC Motors	8.2
	DELIVERY	6
	Double Gears (DG)	18
	Dowel Pins ..Extractable	5.2
	.....Extractable With Air Release Flat	5.7
	.....Hardened & Ground Steel	5.4
E	Engineering Materials (214, 817, NYL, COP, ALU, CZB, STA, BRO, ALBR)	26
	Extension Springs	6.28
F	Fasteners ..Dowel Pins	5.4
	.....Dowel Pins, Extractable	5.2
	.....Dowel Pins, Extractable With Air Release Flat	5.7
	.....Grease Nipples	5.76
	.....Key Steel	5.40
	.....Parallel Keys	5.31
	.....Precision Shoulder Screws	5.43
	.....Pressure Plugs	5.76
	.....Self-tapping Inserts	5.30
	.....Slotted Spring Pins	5.16
	.....Socket Head Screws	5.48
	.....Stainless Hexagon Socket Set Screws	5.66
	.....Stainless Socket Head Button Screws	5.64
	.....Stainless Socket Head Countersunk Screws	5.60
	.....Steel Hexagon Socket Set Screws	5.70
	.....Steel Hexagon Threaded Pillars	5.72
	.....Taper Pins	5.10
	.....Threaded Bar	5.75
	.....Woodruff Keys	5.39
	Flanges (XL, L, H, T2.5X, WX)	12.86
	Flange Units ..2 Bolt, Thermoplastic Polyester	4.48
	.....4 Bolt, Thermoplastic Polyester	4.50
	.....Oval Flange Units, Cast Iron Housing	4.62
	.....Square Flange Units, Cast Iron Housing	4.64
G	Gearboxes & DC Motor Combinations	8.2
	Gearboxes - Bevel Tee, (HPCBL)	1.48
	- Miniature Bevel, (HPCGBP)	1.88



- Crossed Helical, ... (HPCE)	1.24	
- Double Reduction .. (HPCPP)	1.19	
- Heavy Duty, Bevel ... (HPCBLH) Hardened	1.36	
- Heavy Duty, Bevel Tee (HPCBLHT) Hardened	1.37	
- Inline Spur	Double or Single Shafted (J, XJ)	1.60
- Inline Spur	Double or Single Shafted, Heavy Duty (NT, NH)	1.77
- Inline Spur Gear Reducers Double or Single Shafted, (K, XK)	1.66	
- Inline Spur Gear Reducers Double or Single Shafted, (L, XL)	1.71	
- Offset	(HPCFF) Spur Gear Reducers	1.52
- Output Shafts	(HPCP-X, DX, HPCE-X,DX)	1.23 & 1.35
- Right Angled	(HPCBL) Bevel Tee	1.48
- Spiral Bevel	(HPCGBK)	1.96
- Spiral Bevel	(HPCGBC)	1.98
- Technical	(HPCE)	1.34
- Technical	(HPCP/PF/PP)	1.22
- Technical	(HPCBLH/BLHT/BL)	1.51
- Technical	(HPCFF)	1.58
- Technical	(HPCJ/XJ/k/XK/L/XL/NT/NH)	1.84
- Worm / Wheel Reduct (HPCP, HPCPF)	1.2 & 1.3	
Gears - Antbacklash Gears	(AB, ABS)	19
Gears - Antbacklash Worm Wheels (ABM)	16	
Gears - Bevel Gears	(B, DB, FB, TB)	14.6
Gears - Budget	(ESG)	21.2
Gears - Double	(DG)	18
Gears - Heavy Duty	(YG, XG)	23.22
Gears - Helical Crossed Axis	(H, PH)	25.2
Gears - Helical Crossed Axis (Plastic) (ZH, ZPH)	25.6	
Gears - Helical Parallel Axis	(SH, PSH)	24.2
Gears - Helical Parallel Axis (Plastic) (ZSH, ZPSH)	24.6	
Gears - Internal	(GPS, GPA)	17.2
Gears - Internal	(IN)	17.4
Gears - Internal (Plastic)	(ZIN)	17.4
Gears - Pinion - Circular Pitch	(CG, CP)	20.2
Gears - Pinion Shaft	(SP, DSP, XP)	20.10
Gears - Pinion Shaft - Circular Pitch (STC, DSTC)	20.14	
Gears - Pinion Shafts - Helical	(TH, DTH)	20.18
Gears - Plastic Moulded Spur	(PLG)	23.160
Gears - Plastic Spur	(ZG, ZPG)	23.8
Gears - Rack	(CR, R, SR, TR, ZR)	22.3
Gears - Spur	(G, PG)	23.2
Gears - Worm	(W, WH, SW, SWH)	15.2
Gears - Worm (Plastic)	(ZW, ZSW)	15.4
Gears - Worm Wheel	(M, PM)	15.2
Gears - Worm Wheel (Plastic)	(ZM, ZPM)	15.4
Guide Rails	(TDC)	12.137

H Hard & GroundSpur Racks, Helical Cut	9.4
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Spur Racks, Straight Cut	9.2
Helical Pinions, Helical Cut	9.7
Helical Pinions, Straight Cut	9.6
Helical Crossed (Plastic)	(ZH, ZPH)	25.6
Helical Gears - Parallel Axis	(SH, PSH)	24.2
Helicals - Crossed Axis	(H, PH)	25.2
Helicals - Parallel (Plastic)	(ZSH, ZPSH)	24.6
High Torque Drive Pulleys	(HTD, PHTD)	12.64
Housed Bearing Assembly .....	.Round,Double-Flat,Square	4.68
Housing Flange Units .....	.Take up Units, Cast Iron Housing	4.56
	.....Take up Units, Thermoplastic Polyester	4.46
Hub Clamps		3.106
Hyloid Bevel Gears	(MHP)	14.4
I Inserts .....	.Self-tapping	5.30
Instrument Pulley .....	.0.08" Pitch (W, AW)	12.48
Internal Gear	(GPA, GPS)	17.2
Internal Gear	(IN)	17.4
Internal Gear (Plastic)	(ZIN)	17.4
K Keys .....	.Parallel (Round End)	5.31
	.....Key Steel	5.40
	.....Woodruff	5.39
L Ladder Chain	(PSC)	13.3
Ladder Sprockets	(PSA)	13.2
Leadscrews .....	.Imperial Acme Thread	2.8
	.....Trapezoidal Rolled Finish, Steel	2.2
	.....Trapezoidal, Steel (2 start)	2.6
Linear Shafting .....	.Stainless Hardened & Ground	2.34
	.....Steel Hardened & Ground	2.35
Lubricants .....	.Grease, Metal/Metal, Metal/Plastic	7.2
M Mechanical .....	.Circlips	6.2
	.....Compression Springs, Music Wire	6.20
	.....Compression Springs, Stainless Steel	6.6
	.....Extension Springs, Music Wire	6.35
	.....Extension Springs, Stainless Steel	6.28
	.....Rotary Dampers	6.41
Miniature Bevel Gearboxes	(HPCGBP)	1.88
MODIFICATIONS		7
Motors DC		8.1
Motors Selection		8.12
N Nuts .....	.Flanged, Bronze, Without Holes	2.21,2.23,2.27
	.....Flanged, Cast Iron, Without Holes	2.20,2.26
	.....Flanged, Bronze, With Holes	2.22



	.Flanged, 2 Start Bronze, With Holes	2.24
	.Hexagonal, Steel, Precision Range	2.28
	.Round, Bronze, Precision Range	2.14
	.Round, 2 Start Bronze, Precision Range	2.15
	.Round, Cast Iron, Precision Range	2.13
	.Round, Nylon, Precision Range	2.12
	.Round, Steel, Precision Range	2.10
	.Square, Bronze, Imperial, Precision Range	2.19
	.Square, Cast Iron, Imperial, Precision Range	2.18
O	ORDER FORM	30.2
P	Pawls & Ratchets (SRT)	10.1
	PAYMENT	4
	Pillow Blocks .Cast iron Housing	4.52
	.Thermoplastic Polyester	4.44
	Pins .Extractable Dowel	5.2
	.Extractable Dowel With Air Release Flat	5.7
	.Dowel, Hardened & Ground Steel	5.4
	.Slotted Spring	5.16
	.Taper	5.10
	Pinions .Hardened & Ground, Helical Cut	9.7
	.Hardened & Ground, Straight Cut	9.6
	Pinion Gears - Circular Pitch (DSTH, STH, CG, CP)	20.2
	Pinion Shaft - Helical (TH, DTH)	20.18
	Pinion Shaft Gears (T, DT, ST, DST)	20.6
	Pinion Shaft Gears (SP, DSP, XP)	20.10
	Pinion Shaft Gears - Circular Pitch (STC, DSTC)	20.14
	PRICES/CHARGES	5
	Pulleys - Timing (T, PT)	12.2
	Pulleys - Timing 0.2" Pitch (XL, AXL)	12.52
	Pulleys - Timing 1/2" Pitch (H, AH)	12.60
	Pulleys - Timing 3/8" Pitch (LO, ALO)	12.57
	Pulleys - Timing Heavy Duty 3mm, 5mm, 8mm, 14mm Pitch (HTD)	12.64
	Pulleys - Timing Instrument 0.08" Pitch (W, AW)	12.48
	Pulleys - Timing Reduced Backlash (ABT, ABPT)	12.72
	Pulleys - Timing Round (RBP)	12.119
R	Racks .Hardened & Ground, Helical Cut	9.4
	.Hardened & Ground, Straight Cut	9.2
	Racks Budget (ER)	21.4
	Rack Fixings (ARL, SRS)	22.0
	Flexible Racks (DR)	22.0
	Helical Racks (HR, SHR)	22.9
	Moulded Racks (Plastic) (ZRM)	22.11
	Plastic Racks (ZR, ZRC, ZRR)	22.5
	Round Racks (TR, TRC)	22.6

Round Plastic Racks	(ZTR)	22.7
Round Helical Racks	(HTR, HTRC)	22.8
Racks Spur	(CR, R, RC, RR, SR, SRC)	22.3
Ratchets & Pawls	(SRT)	10.2
Reduced Backlash Timing Pulleys	(ABT, ABPT)	12.72
Roller Sets	(RE)	12.145
Rotary Dampers		6.41
Rotary Shaft Seals		4.41
S Seals	Oil	4.41
Shafts & Bearings	.2 Bolt Flange, Thermoplastic Polyester	4.48
	.4 Bolt Flange, Thermoplastic Polyester	4.50
	.Cam Followers Sealed	4.2
	.Oilite® Bushes, Imperial Flanged	4.20
	.Oilite® Bushes, Imperial Plain	4.8
	.Oilite® Bushes, Metric Flanged	4.22
	.Oilite® Bushes, Metric Plain	4.14
	.Oilite® Bushes, Metric Plates	4.26
	.Oilite® Bushes, Solid Bars	4.25
	.Oilite® Technical Information	4.27
	.Oval Flange Units, Cast Iron Housing	4.62
	.Pillow Blocks, Cast Iron Housing	4.52
	.Pillow Blocks, Thermoplastic Polyester	4.44
	.Radial Ball Bearings, Single Row	4.42
	.Rotary Shaft Seals	4.41
	.Single Housed Bearing Assembly	4.68
	.Square Flange Units, Cast Iron Housing	4.64
	.Take-up Units, Cast Iron Housing	4.56
	.Take-up Units, Thermoplastic Polyester	4.46
S SPECIALS (CUSTOM MADE PRODUCTS)		5
Spiral Bevel Gearboxes	(HPCGBK, HPCGBC)	1.90
Splined	.Sleeves,	2.29
Splined	.Shafts, Steel,	2.36
Splined	.Sleeves Flanged, Phosphor Bronze, Without Holes	2.30
Splined	.Sleeves Flanged, Phosphor Bronze, With Holes	2.32
Splined	.Sleeves Flanged, Steel, Without Holes	2.31
Splined	.Sleeves Flanged, Steel, With Holes	2.33
Spring Plungers	.Black-Oxide Steel	6.47
Springs	.Compression, Music Wire	6.20
	.Compression Springs, Stainless Steel	6.6
	.Extension Springs, Musical Wire	6.35
	.Extension Springs, Stainless Steel	6.28
Sprockets	(S, AS, SF, ASF)	13.4
Sprockets Duplex		13.33
Sprockets Duplex Plastic		13.35
Sprockets (Plastic)	(ZS, ZAS)	13.6



Sprockets Ladder	(PSA)	13.2
Sprockets Triplex		13.42
Sprockets Triplex Plastic		13.43
Sprocket Wheel Set	(KS)	13.0
Spur Gears Steel	(G, PG)	23.2
Spur Gears Heavy Duty	(YG, XG)	23.22
Spur Gears Plastic	(ZG, ZPG)	23.8
Spur Gears Moulded	(PLG)	23.160
T TECHNICAL		27
TECHNICAL ENQUIRY FORM		30.1
Timing Belts	0.08" Pitch (MP)	12.93
Timing Belts	0.08" Pitch (MXL)	12.107
Timing Belts	0.2" Pitch (XL)	12.94
Timing Belts	3/8" Pitch (L)	12.96
Timing Belts	2.5, 5, 10 & 20mm Pitch (T, BT)	12.88
Timing Belts Heavy Duty	(HTD)	12.110
Timing Belts Reduced Backlash	(AT)	12.116
Timing Pulleys	2.5, 5 & 10mm Pitch (T, PT)	12.2
Timing Pulleys	0.08" Pitch (W, AW)	12.48
Timing Pulleys	0.2" Pitch (XL, AXL)	12.52
Timing Pulleys	1/2" Pitch (H, AH)	12.60
Timing Pulleys	3/8" Pitch (LO, ALO)	12.57
Timing Pulley Flanges	XL, L, H, T2.5 (X, WX)	12.86
Timing Pulleys Heavy Duty	(HTD)	12.64
Timing Pulleys Reduced Backlash	(ABT, ABPT)	12.72
Toothed Bar Stock	(AAG, ABG, ADG, AKG, ASG, ATG)	11.1
U Universal Joints	Brass Cross Pieces & Tubes	3.100
	Double, Acetal Body	3.94
	Double, Steel & Stainless Steel	3.87
	Single, Acetal Body	3.88
	Single, Steel & Stainless Steel	3.86
	Rubber Covers	3.85
Universal Tensioners	(TE)	12.144
V V Pulleys	(SPA)	12.127
V Pulley Bushes	(1008-2017/X)	12.129
W Worms Budget	(EW)	21.5
Worm Gears	(W, SW, WH, SWH)	15.2
Worm Gears (Plastic)	(ZW, ZSW)	15.4
Worm Wheels - Budget	(EM)	21.5
Worm Wheels - Gears	(M, PM)	15.2
Worm Wheels - Antibacklash	(ABM)	16
Worm Wheel Gear - Plastic	(ZM, ZPM)	15.4

1008-2017/ X	V-Pulley Bushes	12.129
10503001-12003001	Chain Tensioner	13.31
141	Round Racks	22.10
151	Mitre Bevel Gears	14.16
214	Material Stock - EN202 Bright Steel	26.5
817	Material Stock	26.5
A		
A-AW	Timing Pulley	12.48-12.56
AAG	Tooth Bar Stock Aluminium	11.2-11.3
AB	Anti Backlash Gear	19
ABM	Anti-backlash Worm Wheel	16
ABPT	Reduced Backlash Timing Pulleys (Plain)	12.72
ABS	Anti Backlash Worm wheel	19.2-19.11
ABT	Reduced Backlash Timing Pulleys (Bossed)	12.72
ACE	Material Stock - Acetal Co-Polymer	26.3
ADG	Tooth Bar Stock (Derlin)	11.2-11.3
A-H	Timing Pulleys (Plain)	12.60
AKG	Tooth Bar Stock (Stainless)	11.2-11.3
A-LO	Timing Pulleys (Plain)	12.57
ALBR	Material Stock - Aluminium Bronze	26.6
ALU	Material Stock - Aluminium 2011T3	26.4
ARL	Rack Fixings	22.0
AS	Chain Sprockets (Plain)	13
ASF	Steel Sprockets - (Plain)	13.4-13.9
ASG	Toothed Bar Stock Steel	11.2-11.3
ADG, ATG, AAG, ABG	Toothed Bar Stock	11.3
AT	Reduced Backlash Timing Belts	12.116
A-XL	Timing Pulleys	12.52
B		
B	Bevels	14.6
BRO	Material Stock - Leaded Bronze SAE660	26.6
BT	Timing Belts	12.100
C		
CCR	Racks	22.3
CG	Pinion Gears - Circular Pitch (Bossed)	20.2
CHA	Chain Breakers	13.29
COP	Material Stock (Copper)	26.2
CP	Pinion Gears - Circular Pitch (Plain)	20.2
CR	Racks - Spur	22.3
CZB	Material Stock - Brass (CZ121)	26.4
D		
DB	Bevels 2:1 Ratio	14.10
DG	Double Gears	18
DR	Flexible Racks	22.0
DSP	Pinion - Double Sided Stainless	20.10-20.13



DST	Pinion - Double Sided Stainless	20.6-20.9
DSTC	Pinion Shaft Gears - Circular Pitch	20.14
DSTH	Pinion Shaft - Helical	20.16
DT, DST	Pinion Shaft Gears	20.6
DTH	Pinion Shaft - Helical	20.18
E		
EM	Budget Wheels 1 mod	21.5
ER	Spur Racks Steel 1, 1.5 & 2 mod	21.4
ESG	Spur Gears Steel 1, 1.5 & 2 mod	21.2-21.3
EW	Budget Worms 1 mod	21.5
F		
FB	Bevels 4:1 Ratio	14.11
G		
G	Spur Gears (Bossed)	23.2
GPA,GPS	Gears - Internal (Plain & Bossed)	17.2
H		
H	Timing Pulleys (Bossed)	12.60
H	Timing Belts	12.98
H	Gears - Helical Crossed Axis (Bossed)	25.2
HG	Steel Spur Gears - (Bossed)	23.74
HPC047	Couplings, Double Loop	3.66
HPC049	Couplings, Double Loop	3.66
HPC050	linear Motion, Imperial Leadscrews	2.8
HPC062	linear Motion, Imperial Leadscrews	2.8
HPC075	linear Motion, Imperial Leadscrews	2.8
HPC100	linear Motion, Imperial Leadscrews	2.8
HPC101	Couplings, Single Universal Joints, Acetal Body	3.88
HPC103	Couplings, Single Universal Joints, Acetal Body	3.88
HPC105	Couplings, Single Universal Joints, Acetal Body	3.88
HPC109	Couplings, Double Universal Joints, Acetal Body	3.94
HPC111	Couplings, Double Universal Joints, Acetal Body	3.94
HPC125	linear Motion, Imperial Leadscrews	2.8
HPC128	Couplings, Universal Joints, Brass Cross Pieces & Tubes	3.100
HPC130	Couplings, Universal Joints, Brass Cross Pieces & Tubes	3.100
HPC150	linear Motion, Imperial Leadscrews	2.8
HPC200	linear Motion, Imperial Leadscrews	2.9
HPC201	Couplings, Universal/Lateral Offset Series	3.24
HPC203	Couplings, Universal/Lateral Offset Series	3.24
HPC232	Couplings, Sliding Disc (Oldham)	3.30
HPC234	Couplings, Sliding Disc (Oldham)	3.30
HPC2400	Spur Racks (Hardened & Ground), Straight Cut	9.2
HPC2460	Helical Racks (Hardened & Ground), Helical Cut	9.4
HPC250	linear Motion, Imperial Leadscrews	2.9
HPC251	Couplings, Bore Reducers	3.80
HPC253	Couplings, Bore Reducers	3.80



HPC254	Spur Pinions (Hardened & Ground), Straight Cut	9.6
HPC254	Helical Pinions (Hardened & Ground), Helical Cut	9.7
HPC254	Couplings, Bore Reducers	3.80
HPC255	Couplings, Bore Reducers	3.80
HPC257	Couplings, Bore Reducers	3.80
HPC259	Couplings, Bore Reducers	3.80
HPC260	Couplings, Bore Reducers	3.80
HPC261	Couplings, Bore Reducers	3.80
HPC267	Couplings, Adjustable Friction Clutches	3.70
HPC269	Couplings, Adjustable Friction Clutches	3.70
HPC271	Couplings, Adjustable Friction Clutches	3.70
HPC273	Couplings, Adjustable Friction Clutches	3.70
HPC277	Couplings, Adjustable Friction Clutches	3.70
HPC279	Couplings, Adjustable Friction Clutches	3.70
HPC281	Couplings, Adjustable Friction Clutches	3.70
HPC285	Couplings, Adjustable Friction Clutches	3.70
HPC294	Linear Motion, Splined Sleeves & Shafts	2.29
HPC311	Couplings, Adjustable Friction Clutches	3.70
HPC397	Couplings, Adjustable Friction Clutches	3.70
HPC399	Couplings, Adjustable Friction Clutches	3.70
HPC401	Couplings, Adjustable Friction Clutches	3.70
HPC403	Couplings, Adjustable Friction Clutches	3.70
HPC407	Couplings, Adjustable Friction Clutches	3.70
HPC409	Couplings, Adjustable Friction Clutches	3.70
HPC411	Couplings, Adjustable Friction Clutches	3.70
HPC415	Couplings, Adjustable Friction Clutches	3.70
HPC450H	Couplings, Sliding Disc (Oldham)	3.30
HPC452H	Couplings, Sliding Disc (Oldham)	3.30
HPC453H	Couplings, Sliding Disc (Oldham)	3.30
HPC454H	Couplings, Sliding Disc (Oldham)	3.30
HPC456H	Couplings, Sliding Disc (Oldham)	3.30
HPC460	Couplings, Flexible Membrane, Rivetted series	3.12
HPC464	Couplings, Flexible Membrane, Rivetted series	3.12
HPC468	Couplings, Flexible Membrane, Rivetted series	3.12
HPC495	Couplings, Universal Joints, Brass Cross Pieces & Tubes	3.100
HPC497	Couplings, Universal Joints, Brass Cross Pieces & Tubes	3.100
HPC500	Linear Motion, Leadscrews	2.2
HPC502	Linear Motion, Leadscrews	2.6
HPC505	Linear Motion, Leadscrews	2.2
HPC511	Linear Motion, Threaded Nuts	2.10
HPC512	Linear Motion, Threaded Nuts, 2 start	2.15
HPC516	Linear Motion, Threaded Nuts	2.10
HPC530.20	Couplings, Stainless Steel Bellows	3.2
HPC532.20	Couplings, Stainless Steel Bellows	3.2
HPC534.20	Couplings, Stainless Steel Bellows	3.2
HPC636	Couplings, Step Beam, Nylon	3.58
HPC660	Couplings, Flexible Membrane, Bolted series	3.18



HPC664	Couplings, Flexible Membrane, Bolted series	3.18
HPC668	Couplings, Flexible Membrane, Bolted series	3.18
HPC6000 (to 10)	Shafts & Bearings, Single Row Radial, Ball Bearings	4.42
HPC6200 (to 10)	Shafts & Bearings, Single Row Radial, Ball Bearings	4.43
HPC6300 (to 10)	Shafts & Bearings, Single Row Radial, Ball Bearings	4.43
HPC702	Couplings, 6-Beam (Non-Relieved), Stainless Steel	3.38
HPC703	Couplings, 6-Beam (Non-Relieved), Stainless Steel	3.38
HPC706	Couplings, 6-Beam (Non-Relieved), Aluminium	3.42
HPC707	Couplings, 6-Beam (Non-Relieved), Aluminium	3.42
HPC710	Couplings, 6-Beam (Non-Relieved), Acetal	3.46
HPC711	Couplings, 6-Beam (Non-Relieved), Acetal	3.46
HPC800	Couplings, Flexible Jaw	3.60
HPC802	Couplings, Flexible Jaw	3.60
HPC803	Couplings, Flexible Jaw	3.60
HPC820	Couplings, Single Beam, Stainless Steel	3.50
HPC821	Couplings, Single Beam, Stainless Steel	3.50
HPC826	Couplings, Single Beam, Aluminium	3.54
HPC827	Couplings, Single Beam, Aluminium	3.54
HPC850H	Couplings, Sliding Disc (Oldham), Stainless Steel	3.36
A HPCA		
HPCA	Fasteners, Imperial Threaded Flanged Nuts	2.26
HPCA15028	Couplings, Universal Joints Retaining Covers	3.85
HPCA902	Couplings, Universal Joints Retaining Covers	3.85
HPCA903	Couplings, Universal Joints Retaining Covers	3.85
HPCA905	Couplings, Universal Joints Retaining Covers	3.85
HPCAF	Couplings, Shaft Clamps, Mild Steel	3.108
HPCAM	Fasteners, Socket Head Cap Screws, Steel	5.48
B HPCB		
HPCB	Fasteners, Imperial Threaded Round Nuts	2.16
HPCBE	Shafts & Bearings, Rotary Shaft Seals	4.41
HPCBH010	Single Housed Bearing Assembly	4.68
HPCBH020	Single Housed Bearing Assembly, Circlip	4.74
HPCBH040	Double Housed Bearing Assembly	4.80
HPCBL	Gearboxes, Bevel Tee, Right Angle	1.48
HPCBLH	Gearboxes, Worm/Wheel Reduction	1.36
HPCBLHT	Gearboxes, Worm/Wheel Reduction	1.37
HPCBPM	Mechanical, Spring Plungers	6.47
HPCBM	Fasteners, Stainless Socket Head Button Screws	5.64
C HPCC		
HPCC	Fasteners, Imperial Threaded Square Nuts	2.18
HPCCC	Couplings, Hub Clamps, Steel & Stainless Steel	3.106
HPCCD1	Mechanical, Compression Springs, Music Wire	6.20
HPCCD2	Mechanical, Compression Springs, Stainless Steel	6.6
HPCCF	Shafts & Bearings, Standard Cam Followers Sealed	4.2

HPCCIM	Fasteners, Steel Threaded Bar	5.75
HPCCJ	Couplings, Set Screw Shaft Collars, Steel & Mild Steel	3.110
HPCCCL	Couplings, Set Screw Shaft Collars, Mild Steel	3.112
HPCCM	Fasteners, Socket Head Cap Screws, Stainless Steel	5.54
HPCCSM	Fasteners, Stainless Socket Head Counter Sink Screws	5.60
HPCCCT	Couplings, Hub Clamps, Steel & Stainless Steel	3.107
HPCCX	Mechanical, Circlips, Steel	6.2
HPCCY	Mechanical, Circlips, Steel	6.4
D HPCD		
HPCD1	Mechanical, Compression Springs, Musical wire	6.21
E HPC E		
HPC E	Gearboxes, Worm/Wheel Reduction	1.24
	Gearboxes, Output shafts	1.35
HPCET4	Mechanical, Extension Springs, Stainless Steel	6.28
F HPCF		
HPCFF	Gearboxes, Offset Spur Gear Reducers	1.52
HPCFPL20	Shafts & Bearings, 4 Bolt Flange, Thermo. Polyester	4.50
HPCFRN	Mechanical, Rotary Dampers, Bi-Directional	6.41
HPCFRT	Mechanical, Rotary Dampers, Bi-Directional	6.41
G HPCG		
HPCGBC	Gearboxes, Spiral Bevel	1.98
HPCGBK	Gearboxes, Spiral Bevel	1.96
HPCGBP	Gearboxes, Miniature Bevel	1.88
HPCGM	Fasteners, Steel Hexagon Socket Set Screws	5.70
HPCGN	Fasteners, Grease Nipples	5.76
H HPC H		
HPCHD	Fasteners, Dowel Pins	5.4
HPCHDX	Fasteners, Dowel Pins	5.7
HPCHSS	Fasteners, Shoulder Screws	5.43
I HPCI		
HPCICC	Couplings, Integral Clamp Collars Al. & Stainless Steel	3.113
J HPCJ		
HPCJ51	Gearboxes, Inline Spur, 1:1-20:1	1.60
HPCJ52	Gearboxes, Inline Spur, 1:1-130:1	1.61
HPCJ53	Gearboxes, Inline Spur, 1:1-625:1	1.62
HPCJ64	Gearboxes, Inline Spur, 1:1-16:1	1.63
HPCJ65	Gearboxes, Inline Spur, 1:1-64:1	1.64
HPCJ66	Gearboxes, Inline Spur, 1:1-256:1	1.65



K	HPCK		
	HPCK64	Gearboxes, Inline Spur, 1:1-9:1	1.66
	HPCK65	Gearboxes, Inline Spur, 10:1:1-27:1	1.67
	HPCK83	Gearboxes, Inline Spur, 1:1-10:1	1.68
	HPCK84	Gearboxes, Inline Spur, 12:1-30:1	1.69
	HPCK85	Gearboxes, Inline Spur, 36:1-81:1	1.70
	HPCKEY	Fasteners, Parallel Keys, Steel	5.31
	HPCKW	Fasteners, Woodruff Keys, Steel	5.39
	HPCKS	Fasteners, Key Steel, Stainless Steel	5.40
	HPCL		
L	HPCL83	Gearboxes, Inline Spur, 1:1-9:1	1.71
	HPCL84	Gearboxes, Inline Spur, 12:1-54:1	1.72
	HPCL101	Gearboxes, Inline Spur, 1:1-9:1	1.73
	HPCL102	Gearboxes, Inline Spur, 10:1-27:1	1.74
	HPCL115	Gearboxes, Inline Spur, 1:1-9:1	1.75
	HPCL116	Gearboxes, Inline Spur, 1:1-27:1	1.76
	HPCLUB	Lubricants	7.1
M	HPCM		
	HPCMAX11004	DC Motors 16mm Diameter	8.4
	HPCMAX1101	DC Motors 22mm Diameter	8.6
	HPCMAX1103	DC Motors & Gearbox Comb. 22mm Diameter	8.7
	HPCMAX11031	DC Motors & Gearbox Combinations 13mm Diameter	8.3
	HPCMAX11032	DC Motors & Gearbox Combinations 16mm Diameter	8.5
	HPCMAX11045	DC Motors & Gearbox Combinations 38mm Diameter	8.11
	HPCMAX1661	DC Motors & Gearbox Combinations 32mm Diameter	8.9
	HPCMAX2038	DC Motors 13mm Diameter	8.2
	HPCMAX214093	DC Motors 40mm Diameter	8.10
	HPCMAX2424	DC Motors 32mm Diameter	8.8
	HPCME	Couplings, Single Universal Joints, Steel	3.86
	HPCMF	Couplings, Double Universal Joints, Steel	3.87
	HPCMPE	Fasteners, Steel Hexagon Threaded Pillars	5.72
N	HPCN		
	HPCNFL	Shafts & Bearing, 2 Bolt Flange	4.48
	HPCNH61	Gearboxes, Inline Spur, 1:1-9:1	1.77
	HPCNH62	Gearboxes, Inline Spur, 1:1-27:1	1.78
	HPCNH63	Gearboxes, Inline Spur, 1:1-120:1	1.79
	HPCNH91	Gearboxes, Inline Spur, 1:1-9:1, Heavy Duty	1.80
	HPCNH92	Gearboxes, Inline Spur, 1:1-36:1, Heavy Duty	1.81
	HPCNH121	Gearboxes, Inline Spur, 1:1-9:1, Heavy Duty	1.82
	HPCNH122	Gearboxes, Inline Spur, 1:1-27:1, Heavy Duty	1.83
	HPCNT61	Gearboxes, Inline Spur, 1:1-9:1	1.77
	HPCNT62	Gearboxes, Inline Spur, 1:1-27:1	1.78
	HPCNT63	Gearboxes, Inline Spur, 1:1-120:1	1.79
	HPCNT91	Gearboxes, Inline Spur, 1:1-9:1, Heavy Duty	1.80
	HPCNT92	Gearboxes, Inline Spur, 1:1-36:1, Heavy Duty	1.81

HPCNT121	..... Gearboxes, Inline Spur, 1:1-9:1, Heavy Duty	..... 1.82
HPCNT122	..... Gearboxes, Inline Spur, 1:1-27:1, Heavy Duty	..... 1.83

P HPCP

HPCP	..... Gearboxes, Worm/Wheel Reduction	..... 1.2
HPCPF	..... Gearboxes, Worm/Wheel Reduction	..... 1.3
HPCPP	..... Gearboxes, Double Reduction	..... 1.19
HPCPPL	..... Fasteners, Pressure Plugs	..... 5.76
HPCPPL20	..... Shafts & Bearings, Pillow Block, Thermoplastic Polyester	4.44
HPCPT	..... Fasteners, Taper Pins, Mild Steel	..... 5.10
HPCPTX	..... Fasteners, Extractable Taper Pins, Mild Steel	..... 5.14

Q HPCQ

HPCQAB	..... Shafts & Bearings, Oilite® Solid Bars, Sintered Bronze	4.25
HPCQAP	..... Shafts & Bearings, Oilite® Plates, Sintered Bronze	..... 4.26
HPCQFI	..... Shafts & Bearings, Oilite® Bushes, Imperial Flanged	4.20
HPCQFM	..... Shafts & Bearings, Oilite® Bushes, Metric Flanged	..... 4.22
HPCQI	..... Shafts & Bearings, Oilite® Bushes, Imperial Plain	... 4.8
HPCQM	..... Shafts & Bearings, Oilite® Bushes, Metric Plain	... 4.14

S HPCS

HPCSAM	..... Bevel Gears, Angular Bevels	..... 14.2
HPCSC	..... Couplings, Shaft Clamps, Mild Steel	..... 3.109
HPCSHSS	..... Fasteners, Precision Shoulder Screws	..... 5.43
HPCSIM	..... Fasteners, Stainless Steel Threaded Bar	..... 5.75
HPCSM	..... Fasteners, Stainless Hexagon, Socket Set Screws	... 5.66
HPCSME	..... Couplings, Single Universal Joints, Stainless Steel	... 3.86
HPCSMF	..... Couplings, Double Universal Joints, Stainless Steel	... 3.87
HPCSP	..... Fasteners, Slotted Spring Pins, Carbon Steel	..... 5.16
HPCSPSS	..... Fasteners, Slotted Spring Pins, Stainless Steel	..... 5.25
HPCSTI	..... Fasteners, Self-Tapping Inserts	..... 5.30

T HPCT

HPCT3	..... Mechanical, Extension Springs, Music Steel	..... 6.35
HPCTB	..... Shafts & Bearings, Ball Thrust Bearing Sets	..... 4.86
HPCTPL20	..... Shafts & Bearings, Take Up, Thermoplastic Polyester	4.46

U HPCU

HPCUCF2	..... Shafts & Bearings, Square Flange Units, Cast Iron Housing	... 4.64
HPCUCFL2	..... Shafts & Bearings, Oval Flange Units, Cast Iron Housing	... 4.62
HPCUCP2	..... Shafts & Bearings, Pillow Block, Cast Iron Housing	... 4.52
HPCUCST2	..... Shafts & Bearings, Take-Up Units, Cast Iron Housing	4.60
HPCUCT2	..... Shafts & Bearings, Take-Up Units, Cast Iron Housing	4.56

X HPCX

HPCXJ51	..... Gearboxes, Inline Spur, 1:1-20:1	..... 1.60
HPCXJ52	..... Gearboxes, Inline Spur, 1:1-130:1	..... 1.61



HPCXJ53	Gearboxes, Inline Spur, 1:1-625:1	1.62
HPCXJ64	Gearboxes, Inline Spur, 1:1-16:1	1.63
HPCXJ65	Gearboxes, Inline Spur, 1:1-64:1	1.64
HPCXJ66	Gearboxes, Inline Spur, 1:1-256:1	1.65
HPCXK64	Gearboxes, Inline Spur, 1:1-9:1	1.66
HPCXK65	Gearboxes, Inline Spur, 10:1-1-27:1	1.67
HPCXK83	Gearboxes, Inline Spur, 1:1-10:1	1.68
HPCXK84	Gearboxes, Inline Spur, 12:1-30:1	1.69
HPCXK85	Gearboxes, Inline Spur, 36:1-81:1	1.70
HPCXL83	Gearboxes, Inline Spur, 1:1-9:1	1.71
HPCXL84	Gearboxes, Inline Spur, 12:1-54:1	1.72
HPCXL101	Gearboxes, Inline Spur, 1:1-9:1	1.73
HPCXL102	Gearboxes, Inline Spur, 10:1-27:1	1.74
HPCXL115	Gearboxes, Inline Spur, 1:1-9:1	1.75
HPCXL116	Gearboxes, Inline Spur, 1:1-27:1	1.76
HPG	Steel Spur Gears - (Plain)	23.74
HR, HRC	Racks - Helical	22.9
HTD	Heavy Duty Timing Pulleys (Bossed)	12.64
HTD	Heavy Duty Timing Belts	12.110
HTR, HTRC	Racks - Round Helical	22.8
Z HPCZ		
HPCZ	Linear Motion, Linear Shafting	23.4
I IN		
IN	Internal Gears	17.4
K KS		
KS	Sprocket Wheel Set	13.0
L L		
L	Timing Belts	12.96
LO	Timing Pulleys (Bossed)	12.57
M M		
M	Worm Wheels - Bronze (Bossed)	15.2
MHP	Bevel Gears Hypoid	14.4
MP	Timing Belts	12.93
MPSH	Steel Parallel Helicals (Plain)	24.42
MSH	Steel Parallel Helicals (Bossed)	24.42
MXL	Timing Belts	12.107
N NVB		
NVB	V-Pulley Belts	12.130
NYL	Material Stock (Nylon)	26.2
P PG		
PG	Spur Gears (Plain)	23.2
PH	Helicals - Crossed Axis (Plain)	25.2
PHTD	Heavy Duty Timing Pulleys (Plain)	12.64
PLG	Spur Gears - Plastic Moulded	23.160
PM	Worm Wheels Bronze (Plain)	15.2

PRB	Round Belt Pulley Belts	12.119
PSA	Sprockets Ladder	13.2
PSC	Chain Ladder	13.3
PSH	Helical Gears - Parallel Axis (Plain)	24.2
PT	Timing Pulleys (Plain)	12.2
R		
R, RC, RR	Racks - Spur	22.4
RBP	Pulleys - Round	12.119
RE	Roller Sets	12.145
S		
S	Chain Sprockets (Bossed)	13.4
SB, SU	Chain	13.29
SF	Steel Sprockets (Bossed)	13.5
SG	Budget Steel Spur Gears	21.2
SH	Helical Gears - Parallel Axis (Bossed)	24.2
SHR, SHRC	Racks - Helical	22.9
SMS	Spiral Bevel Gears	14.23
SP, DSP, XP	Pinion Shaft Gears	20.10
SPA	V-Pulleys	12.127
SR, SRC	Racks Spur	22.4
SRS	Rack Fixings (for Moulded Flexible Racks)	22.0
SRT	Ratchets & Pawls	10.2
ST	Pinion Shaft Gears	20.6
STA	Material Stock (Stainless Steel)	26.6
STC	Pinion Shaft Gears - Circular Pitch	20.14
STH	Pinion Shaft Gears - Helical	20.16
SW, SWH	Worm - Gears	15.2
T		
T	Timing Pulleys (Bossed)	12.2
T	Timing Belts	12.88
T, DT, ST, DST	Pinion Shaft Gears	20.6
TB	Bevels 3:1 Ratio	14.11
TDC	Belt Guides	12.132
TDC	'C' Profiles	12.136
TDC	Guide Rails	12.137
TE	Universal Tensioners	12.144
TH, DTH	Gears Pinion Shaft - Helical	20.18
TR,TRC	Racks - Round	22.6
W		
W	Instrument Pulleys (Bossed)	12.48
W, WH, SW, SWH	Worm - Gears	15.2
X		
XG	Spur Gears - Heavy Duty (Plain)	23.22
XL	Timing Pulleys (Bossed)	12.52
XL	Timing Belts	12.94
X, WX, WY, Y	Timing Pulley Flanges	12.86
XL, L, H	Timing Pulley Flanges	12.87



XP	Pinion Shaft Gears	20.10
XS, XAS	Steel Duplex Chain Sprockets (Bossed & Plain)	13.33
XSBR, XSUA	Duplex Sprocket Chains	13.50
XXS, XXAS	Steel Triplex Chain Sprockets (Bossed & Plain)	13.42
XXSBR, XXXSUA	Triplex Sprocket Chains	13.50
Y YG	Spur Gears - Heavy Duty (Bossed)	23.22
Z ZAS	Chain Sprockets - Plastic (Plain)	13.6
ZB	Bevels 1:1 Ratio - Plastic	14.7
ZDB	Bevels 2:1 Ratio - Plastic	14.12
ZEB	Bevels 1:1 Ratio - Plastic Moulded	14.14
ZFB	Bevels 4:1 Ratio - Plastic	14.12
ZG	Spur Gears - Plastic (Bossed)	23.8
ZGB	Bevels 2:1 Ratio - Plastic Moulded	14.14
ZH, ZPH	Helicals - Crossed Plastic	25.6
ZHG	Plastic Spur Gears (Bossed)	23.75
ZHPG	Plastic Spur Gears (Plain)	23.75
ZIN	Internal Plastic Gears	17.4
ZM, ZPM	Worm Wheel Gears - Plastic (Bossed & Plain)	15.4
ZMP SH	Heavy Duty Plastic Parallel Helicals (Plain)	24.43
ZMSH	Heavy Duty Plastic Parallel Helicals (Bossed)	24.43
ZPG	Plastic Spur Gears (Plain)	23.8
ZR, ZRC, ZRR	Racks - Plastic	22.5
ZRM	Racks - Moulded Plastic	22.11
ZS	Sprockets - Plastic (Bossed)	13.6
ZSH, ZPSH	Helicals - Parallel Plastic (Bossed & Plain)	24.6
ZSU	Chain Sprockets (Plastic)	13.17
ZSUA	Plastic Chains	13.30
ZSW	Worm Gears - Plastic	15.4
ZTB	Bevels 3:1 Ratio - Plastics	14.12
ZTR	Racks - Round - Plastic	22.7
ZW, ZSW	Worm Gears - Plastic	15.4
ZXS, ZXAS	Plastic Duplex Chain Sprockets (Bossed & Plain)	13.35
ZXXS, ZXXAS	Plastic Triplex Chain Sprockets (Bossed & Plain)	13.43