

INDEX

CMW | DRIVE DESIGN AND TECHNICAL MANUAL

CMW COMPANY PROFILE	4
<hr/>	
SECTION 1	11
FRICION V-BELTS	
<hr/>	
Product Ranges-Properties, Applications, Standards, Size Range Tables	12
Power Rating Tables	93
Drive Design & Calculation Guide	118
Installation and Maintenance	136
Tensioning Methods	142
<hr/>	
SECTION 2	145
TIMING BELTS	
<hr/>	
Product Ranges-Properties, Applications, Standards, Size Range Tables	146
Power Rating Tables	291
Drive Design & Selection Guide	354
Installation and Tensioning Guide	380
Maintenance & Troubleshooting Guide	386
<hr/>	
SECTION 3	
<hr/>	
3.1 Belt Shelf Life And Storage	402
<hr/>	
3.2 Safety Precautions	404
<hr/>	
3.3 Important Notice And Disclaimer	405
<hr/>	

TABLE OF CONTENTS

SECTION 1 - FRICTION V-BELTS

1.1 - FRICTION V-BELTS

1.1.1 Performance Classical Wrapped V-Belts	12
1.1.2 Performance Narrow Wedge V-Belts	26
1.1.3 Performance Double Sided V-Belts	31
1.1.4 High Performance Narrow Wedge V-Belts	34
1.1.5 High Performance EPDM Moulded Cogged Raw Edge Classical V-Belts	38
1.1.6 High Performance EPDM Moulded Cogged Raw Edge Narrow V-Belts	48
1.1.7 Industrial Variable Speed Moulded Cogged Raw Belts	58
1.1.8 Garden Belts, Dry Cover, Kevlar Cord	66

1.2 - BANDED V-BELTS

1.2.1 Banded Classical Wrapped V-Belts	69
1.2.2 Banded Narrow Wedge V-Belts	72
1.2.3 Banded Moulded Cogged Raw Edge Classical V-Belts	78

1.3 - RIBBED BELTS

1.3 Ribbed Belts	83
------------------	----

POWER RATING TABLES

1.1.1 Classical Wrapped V-Belts	93
1.1.2 Narrow Wedge V-Belts	98
1.1.3 High Performance POWERPLUS Narrow Wedge V-Belts	103
1.1.7 High Performance POWERPLUS EDPM Moulded Cogged Raw Edge Narrow V-Belts	110
1.3 Ribbed Belts	114

TABLE OF CONTENTS

SECTION 2 - TIMING BELTS

2.1 - RUBBER SYNCHRONOUS BELT

2.1.1 Timing Belt Classical Imperial Tooth Profile	146
2.1.2 Timing Belt Classical Imperial Double Sided	155
2.1.3 Timing Belt Curvilinear H-Type Tooth Profile	160
2.1.4 Timing Belt Curvilinear S-Type Tooth Profile	170
2.1.5 Timing Belt Curvilinear R-Type Tooth Profile	178
2.1.6 Timing Belt Curvilinear Double Sided Profile	181
2.1.7 Timing Belt Metric Tooth Profile	194
2.1.8 Timing Belt Metric Tooth Profile Double Sided	199
2.1.9 High Performance POWERPLUS Rubber Timing Belt Curvilinear H and S tooth profiles	202
2.1.10 High Performance POWERPLUS Rubber Timing Belt Curvilinear Double Sided	214
2.1.11 High Performance POWERPLUS 2 Rubber Timing Belt Curvilinear	227

2.2 - PU SYNCHRONOUS BELT

2.2.1 High Performance POWERPLUS Polyurethane Moulded Timing Belt Sleeve Imperial Tooth	232
2.2.2 High Performance POWERPLUS Polyurethane Moulded Timing Belt Sleeve Metric Tooth	236
2.2.3 High Performance POWERPLUS Polyurethane Moulded Timing Belt Sleeve Curvilinear Tooth	241
2.2.4 Extruded Timing Belt Open Ended Linear Roll Imperial Tooth	247
2.2.5 Extruded Timing Belt Open Ended Linear Roll Metric Tooth	251
2.2.6 Extruded Timing Belt Open Ended Linear Curvilinear Tooth	259
Back Coatings and Main Specs	266
2.2.7 Extruded Open Ended Linear Roll Flat Belt	268
2.2.8 Extruded Endless Timing Belt Flex Imperial Tooth	272
2.2.9 Extruded Endless Timing Belt Flex Metric Tooth	276
2.2.10 Extruded Endless Timing Belt Flex Curvilinear Tooth	280
2.2.11 Extruded Thermoweldable Belts - Polyurethane Belts Curvilinear Tooth	283
2.2.12 Extruded Thermoweldable Belts - Polyurethane Belts Classical and Coated	285
2.2.13 Extruded Thermoweldable Belts - Polyurethane Belts Pentagon	287

POWER RATING TABLES

2.1.1 Timing Belt Classical Imperial Tooth Profile	292
2.1.3 Timing Belt Curvilinear H-Type Tooth Profile	297
2.1.4 Timing Belt Curvilinear S-Type Tooth Profile	309
2.1.5 Timing Belt Curvilinear R-Type Tooth Profile	313
2.1.7 Timing Belt Metric Tooth Profile	317
2.1.9 High Performance POWERPLUS Rubber Timing Belt Classical Imperial	319
2.1.10 High Performance POWERPLUS Rubber Timing Belt Curvilinear	329
2.2.1 High Performance POWERPLUS Polyurethane Moulded Timing Belt Sleeve Imperial Tooth	336
2.2.2 High Performance POWERPLUS Polyurethane Moulded Timing Belt Sleeve Metric Tooth	337
2.2.4 Extruded Timing Belt Open Ended Linear Roll Imperial Tooth	339
2.2.5 Extruded Timing Belt Open Ended Linear Roll Metric Tooth	342
2.2.6 Extruded Timing Belt Open Ended Linear Curvilinear Tooth	346
2.2.7 Extruded Open Ended Linear Roll Flat Belt	352