

# Table Of Contents

Section	Pages	
<b>A1</b>	<b>Sure-Grip™ Bushings (Inch Hardware)</b>	Standard QD ..... 1-7 “L” Flangeless..... 8-9 Short QD Type ..... 10-11 Tensioners for Idlers ..... 12 Idler Bushings..... 13 Installation Instructions ..... 14
<b>A2</b>	<b>Sure-Grip™ Bushings (Metric Hardware)</b>	Standard QD ..... 1-4 “L” Flangeless..... 5 Installation Instructions ..... 6
<b>B1</b>	<b>V-Belt Drives (Narrow)</b>	3V, 5V & 8V Sheaves ..... 1-10 3V, 5V & 8V Belts ..... 11-13 Drive Selection Data ..... 14-21 Pre-Engineered Selections ..... 22-61 Basic Horsepower Tables..... 62-69 Made-to-Order Sheaves..... 70
<b>B2</b>	<b>V-Belt Drives (Classical)</b>	A, B, C & D Sheaves ..... 1-12 A, B, C & D Belts ..... 13-22 Drive Selection Data ..... 23-29 Pre-Engineered Selections ..... 30-85 Basic Horsepower Tables..... 86-99
<b>B3</b>	<b>V-Belt Drives (Light Duty)</b>	AK, 2AK, BK & 2BK Sheaves..... 1-7 2L, 3L, 4L & 5L Belts ..... 8-9 Ratio Combinations ..... 10-21 Horsepower Ratings..... 22-23 Design Data ..... 24-28
<b>B4</b>	<b>V-Belt Drives (Poly-V)</b>	Sheaves ..... 1-4
<b>B5</b>	<b>Flat and Crowned Pulleys</b>	Sure-Grip Pulleys ..... 1-3 Made-to-Order Sheaves and Pulleys ..... 4-6
<b>BEV</b>	<b>V-Belt Drives – Engineering Data</b>	..... 1-16
<b>C1</b>	<b>Synchronous Belt Drives</b>	5M, 8M, 14M & 20M Sprockets..... 1-13 5M, 8M, 14M & 20M Belts..... 14-17 Drive Selection Data ..... 18-23 Pre-Engineered Selections ..... 24-53 Basic Horsepower Tables..... 54-63
<b>C2</b>	<b>QT Power Chain® Belt Drives</b>	8M & 14M Sprockets ..... 1-5 8M & 14M Belts ..... 6-8 Drive Selection Data ..... 9-14 Pre-Engineered Selections ..... 16-33 Basic Horsepower Tables..... 34-38
<b>C3</b>	<b>Timing Belt Drives</b>	XL, L, H, XH & XXH Sprockets ..... 1-10 XL, L, H, XH & XXH Belts..... 11-15 Cotton Cleaner Drives ..... 16-17

(Continued on next page.)

# Table Of Contents

(Continued)

Section	Pages
<b>CES</b>	<b>Synchronous Drive – Engineering Data</b> ..... 1-7
<b>D1</b>	<b>Variable &amp; Adjustable Drives</b> Variable Sheaves - All-Pro ..... 1-7 Variable Sheaves - MCS ..... 8-13 Variable Sheaves - MS ..... 14-23 Variable Sheaves - Roto-Cone ..... 24-31 Variable Sheaves - Var-A-Cone ..... 32-40 Variable Sheave Interchange ..... 41-43 Wide Belt Adjustable - VPS ..... 44-48 Adjustable Motor Bases ..... 49-51 Variable Speed Belts ..... 52-53 Companions for Wide Belts ..... 54-56
<b>D2</b>	<b>Adjustable V-Belt Sheaves</b> Light Duty 1 VP & 2VP ..... 1-3 JVS Sheaves ..... 4-5 5VS & 8VS Sheaves ..... 6-10 SVS Sheaves ..... 11-13
<b>F1</b>	<b>Couplings – Sure-Flex Plus®</b> Selection Data ..... 1-8 Dimensions ..... 9-17 Installation ..... 18
<b>F2</b>	<b>Couplings – Dura-Flex®</b> Selection (English) ..... 1-6 Selection (Metric) ..... 7-11
<b>F3</b>	<b>Couplings – L-Jaw</b> Selection ..... 1-6
<b>F4</b>	<b>Couplings – G-Flex</b> Selection ..... 1-10
<b>F5</b>	<b>Couplings – Form-Flex® &amp; Torsiflex-i</b> Product Features and Options ..... 3 Disc Coupling Advantages ..... 3 Typical Applications ..... 3 Coupling Application Types ..... 4 Coupling Selection Process ..... 5 Coupling Selection Guide ..... 6 Standard Bore Tolerances ..... 7 Industry Standard Reference ..... 8 Dynamic Balance Recommendations ..... 8 Disc Coupling Misalignment Discussion ..... 8 Product Differentiation ..... 9 Spacer Couplings ..... 11-18 Floating Shaft Couplings ..... 19-24 Closed Coupled Couplings ..... 25-28 Single Flex Couplings ..... 29-32 Heavy Duty Spacer Couplings ..... 33-37 Coupling Repair Parts and Kits ..... 38-39 Hub Options ..... 40-41 Design Options ..... 42-43 Bolt Thread Size ..... 44 Bolt/Nut Tightening Torque ..... 44 Application Data Sheet ..... 45-46
<b>F7</b>	<b>Rigid Couplings</b> AVS Selection ..... 2-5
<b>GEN</b>	<b>Engineering – NEMA Motor Specs</b> ..... 1-3 <b>Engineering – Formulas</b> ..... 4

For Conditions of Sale see [www.altramotion.com/tandc](http://www.altramotion.com/tandc)