

APPLICATIONS

VOLTA is the pioneer and the world leader in the development and manufacturer of homogeneous conveyor belts. The line of V and Round belting is available in a full range of hardness and colors. Many products are USDA/FDA/3A certified for food contact. VOLTA can manufacture special profiles to customer specifications.



Ceramic industry - spraying line VLW-22, YPF-22



Roof tile industry VM-17, RPN-12



Meat packaging RMW-12.5



Cheese industry RMW-18



Right angle conveyor RPN-8



Can cable - transfer RCW-9.5



Wood industry - wood panels RM-18, VL-17



Live rollers - power transmission RPN-6

CHARACTERISTICS:

- Abrasion Resistant
- Chemical, oil and water resistant
- Available in a wide range of colors
- Easily cleaned
- Non-marking
- High carrying capacity
- Excellent flexibility
- Full range of coefficient of friction
- Long operating life
- Minimum machine down time. Installation without dismantling the conveyor
- FDA/USDA/3A compatibility

VOLTA VaR TOOLS



Mini VaR Tool Kit (110V)
Mini VaR Tool Kit (220V CE)
110v Cat. No. 8160718
220v Cat. No. 8160719



Easy Overlap
Welding Kit
EZOL®
110v Cat. No. 8140016
220v Cat. No. 8140019

Ask your dealer for die sizes

WELDER WU-1 (110v) or WU-2 (220v)



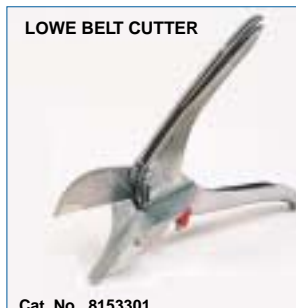
110v Cat. No. 8111203
220v Cat. No. 8111204

PLIERS F51



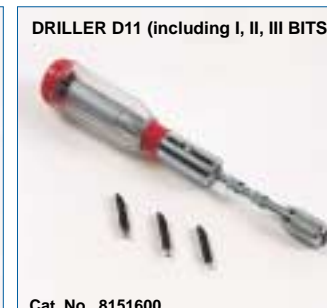
Cat. No. 8130201

LOWE BELT CUTTER



Cat. No. 8153301

DRILLER D11 (including I, II, III BITS)



Cat. No. 8151600

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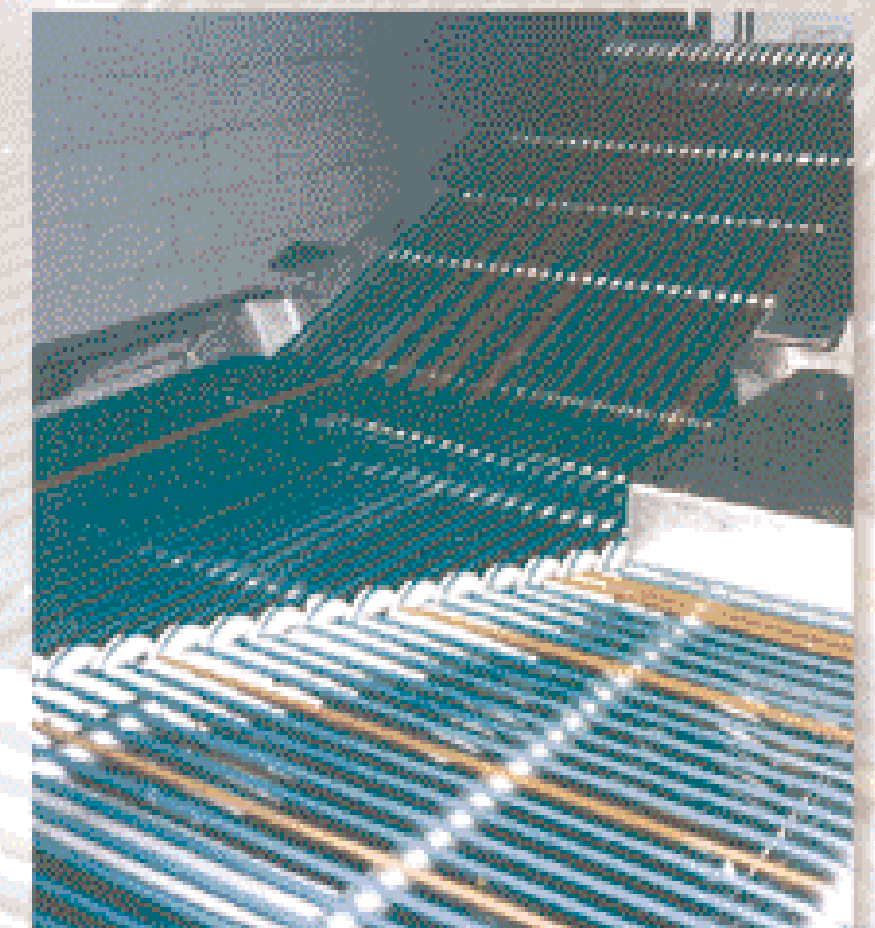
YOUR DISTRIBUTOR



002 (06/03) English

ENGLISH

VOLTA V A R BELTS



VOLTA THE NEXT STEP IN BELTING

A WIDE RANGE OF VaR (V and ROUND) CONVEYOR BELTS

ROUND BELTS

Hardness: Temp. Range: Coefficient of Friction (Steel): FDA/USDA:	RFC		RL/RLC		RLW		RPZ	
	76A -40°C To 50°C 0.65 No		80A -40°C To 55°C 0.55 Yes		80A -40°C To 55°C 0.55 Yes		86A -20°C To 50°C 0.4 No	
Diameter mm (Inch)	MPD (mm)	PF (1%)	MPD (mm)	PF (1%)	MPD (mm)	PF (0.5%)	MPD (mm)	PF (1%)
2			15	0.06				
3 (1/8)			20	0.14				
4	20	0.20	30	0.25				
5 (3/16)	25	0.30	35	0.40			45	0.8
6	30	0.40					54	1.16
6.3 (1/4)			40	0.60				
7								
8 (5/16)	40	0.75	55	1.00			72	2.05
9								
9.5 (3/8)			65	1.40				
10							89	3.2
12							108	4.65
12.5 (1/2)			85	2.50	90	18		
14 (9/16)								
15			100	3.50			135	7.25
16 (5/8)								
18			120	5.10	125	27		
19 (3/4)								
20								
25								

V-BELTS

Hardness: Temp. Range: Coefficient of Friction (Steel): FDA/USDA:	VL/VLC		VLW		VPZ		VPZS		VPF	
	80A -40°C To 55°C 0.55 Yes		80A -40°C To 55°C 0.55 Yes		86A -20°C To 50°C 0.4 No		86A -20°C To 50°C 0.4 No		89A/37D -30°C To 60°C 0.38 No	
Size WxH (mm)	MPD (mm)	PF (1%)	MPD (mm)	PF (0.5%)	MPD (mm)	PF (1%)	MPD (mm)	PF (1%)	MPD (mm)	PF (1%)
8/M = 8x5.2	40	0.7								
10/Z = 10x6.5	45	1.0								
13/A = 13x8	50	1.6	50	12	72	3.3	88	26	76	3.5
17/B = 17x11.5	75	2.9	75	18	103	6.1	112	39	110	6.4
20 = 20x12.5	85	3.9								
22/C = 22x14.5	100	4.8	100	22	130	10	142	44	138	10.5
25 = 25x16.5	110	6.3								
32/D = 32x21.5	145	10.4	145	24						
40/E = 40x27	180	16.3								

Hardness: Temp. Range: C. of Friction (Steel): FDA/USDA:	VL-RT		VM-RT		VLW-RT		VPF-RT		VPFS-RT		
	80A -40°C To 55°C 0.55 Yes		90A/40D -30°C To 60°C 0.45 Yes		80A -40°C To 55°C 0.55 Yes		89A/37D -30°C To 60°C 0.38 No		89A/37D -30°C To 60°C 0.38 No		
Size = WxH (mm)	MPD (mm)	PF (1%)	MPD (mm)	PF (1%)	Size = WxH (mm)	MPD (mm)	PF (0.5%)	MPD (mm)	PF (1%)	MPD (mm)	PF (1%)
13/A = 13x16.0	110	2.7	160	11.0	13/A = 13x16.0	110	16	150	5.6	160	24
17/B = 17x19.5	130	4.3	195	17.8	17/B = 17x19.5	130	19	185	9.3	205	46
22/C = 22x28.5	190	7.9	285	32.5	22/C = 22x28.5	165	38	235	14.3	258	52

All profile dimensions are for general indication only **MPD** – Minimum Pulley Diameter (mm) **PF** – Pull Force (%) in kg

INCH SIZES ONLY												HOLLOW													
RPZS		RPN/RPN-NT		RPS		RM		RMW		RH		RCW		RO		ROS		RFC-HL		RO-HL		RPN-HL			
86A -20°C To 50°C 0.40 No		88A/37D -30°C To 80°C 0.38 No		88A/37D -30°C To 80°C 0.40 No		90A/40D -30°C To 60°C 0.45 Yes		95A/46D -30°C To 60°C 0.36 Yes and 3A Dairy		100A/55D -20°C To 75°C 0.28 Yes		63D -20°C To 75°C 0.27 Yes		83A -40°C To 55°C 0.55 Yes		83A -40°C To 55°C 0.55 Yes		76A -40°C To 50°C 0.65 No		83A -40°C To 55°C 0.55 Yes		88A/37D -30°C To 80°C 0.38 No			
MPD (mm)	PF (1%)	MPD (mm)	PF (1%)	MPD (mm)	PF (1%)	MPD (mm)	PF (1%)	MPD (mm)	PF (1%)	MPD (mm)	PF (1%)	MPD (mm)	PF (1%)	MPD (mm)	PF (1%)	MPD (mm)	PF (0.3%)	MPD (mm)	PF (1%)	MPD (mm)	PF (1%)	MPD (mm)	PF (1%)	MPD (mm)	PF (1%)
		19	0.13			20	0.26			40	0.6			15	0.06										
		29	0.31			30	0.60			60	1.4			20	0.14										
		38	0.54			40	1.00			80	2.5			30	0.25										
		48	0.85	50	11	50	1.60			100	3.9			34	0.40										
		57	1.22	60	16																				
		67	1.67	70	18																				
		76	2.18	80	19	80	4.20	95	35	160	10			48	1.06	54	5	55	0.70	65	0.9	75	1.63		
		86	2.75	90	21																				
						95	5.90	110	37	190	14	150	40	57	1.54	64	9.5	65	0.92	75	1.18	85	2.11		
95	19.5	95	3.40	100	22																				
112	23	114	4.90	120	26																				
						125	10.10	150	57	250	16	200	42	75	2.72	86	11.4	85	1.4	100	1.8	115	3.25		
140	24	143	7.65	150	27	150	14.60	175	60	300	23			84	3.43	95	12.3	100	2.4	120	3.2	150	5.10		
						171	11.00	180	37	180	21.00	210	64	360	34										
						190	13.60			200	25.90														
														150	10.6										

INCH SIZES ONLY												Guides		* Available with:										
VPFS		VM		VMW		VMW-NK Non Cogged		VH		VO		VO-GT		VOS		VOS-GT		CM CL CW CLC		S.G. Super Grip		FST / FEST Shore 60A		
89A/37D -30°C To 60°C 0.38 No		90A/40D -30°C To 60°C 0.45 Yes		95A/46D -30°C To 60°C 0.36 Yes and 3A Dairy		95A/46D -30°C To 60°C 0.36 Yes and 3A Dairy		100A/55D -20°C To 75°C 0.28 Yes		83A -40°C To 55°C 0.55 Yes		83A -40°C To 55°C 0.55 Yes		83A -40°C To 55°C 0.55 Yes		83A -40°C To 55°C 0.55 Yes		Available in 10/Z; 13/A; 17/B; 22/C		High Grip material available in thicknesses: 2-6 mm				
MPD (mm)	PF (1%)	MPD (mm)	PF (1%)	MPD (mm)	PF (1%)	MPD (mm)	PF (1%)	MPD (mm)	PF (1%)	Inch	MPD (mm)	PF (1%)	MPD (mm)	PF (1%)	MPD (mm)	PF (0.5%)	MPD (mm)	PF (0.5%)						
		60	3.0					125	4.8															
		65	4.1			75	25	130	6.6	3L	45	0.9			40	5								
92	28	80	6.7	75	28	100	33	160	10.7	A	50	1.6			53	12								
118	43	115	12.1	100	55	140	60	230	19.5	B	75	2.9	75	2.6	72	17	72	17						
		125	15.9					250	25.5															
150	49	145	20.0	130	72	200	80	290	32.0	C	100	4.6	100	4.6			100	19.5						
		165	25.9			210	90	330	41.5															
		215	43.0			270	110			D								140	25					
		270	67.3																					

Ask your VOLTA Dealer for other Special Profiles																						
YPF		DVL		DVLW		DVO		DVOS		DVM		SM		SH		SLC		SLC		SLEEVES / Roller Covers		
89A/37D -30°C To 60°C 0.38 No		80A -40°C To 55°C 0.55 Yes		80A -40°C To 55°C 0.55 Yes		83A -40°C To 55°C 0.55 Yes		83A -40°C To 55°C 0.55 Yes		90A/40D -30°C To 60°C 0.45 Yes		Hardness: 90A	Hardness: 100A	Hardness: 80A	Hardness: 80A	Available in diameters from 10 to 120 mm. Wall thickness is 1.5-4 mm depending on sleeve diameter. Hardness: Shore 85A For other dimensions contact VOLTA						
Size = W (mm)	MPD (mm)	PF (1%)	Size = W (w)xH (mm)	MPD (mm)	PF (1%)	MPD (mm)	PF (0.5%)	MPD (mm)	PF (1%)	MPD (mm)	PF (0.5%)	MPD (mm)	PF (1%)	MPD (mm)	PF (1%)							
13/A = 13x15.0	143	5.3	Z = 24 (9.5)x6.8	45	2.0	45	2.0	45	2.0													
17/B = 17x18.5	175	8.3	A = 30 (13)x8.0	50	3.2	50	22	50	3.2	53	22	80	13.4									
22/C = 22x24.5	235	13.9																				

For special requirements contact your VOLTA dealer.