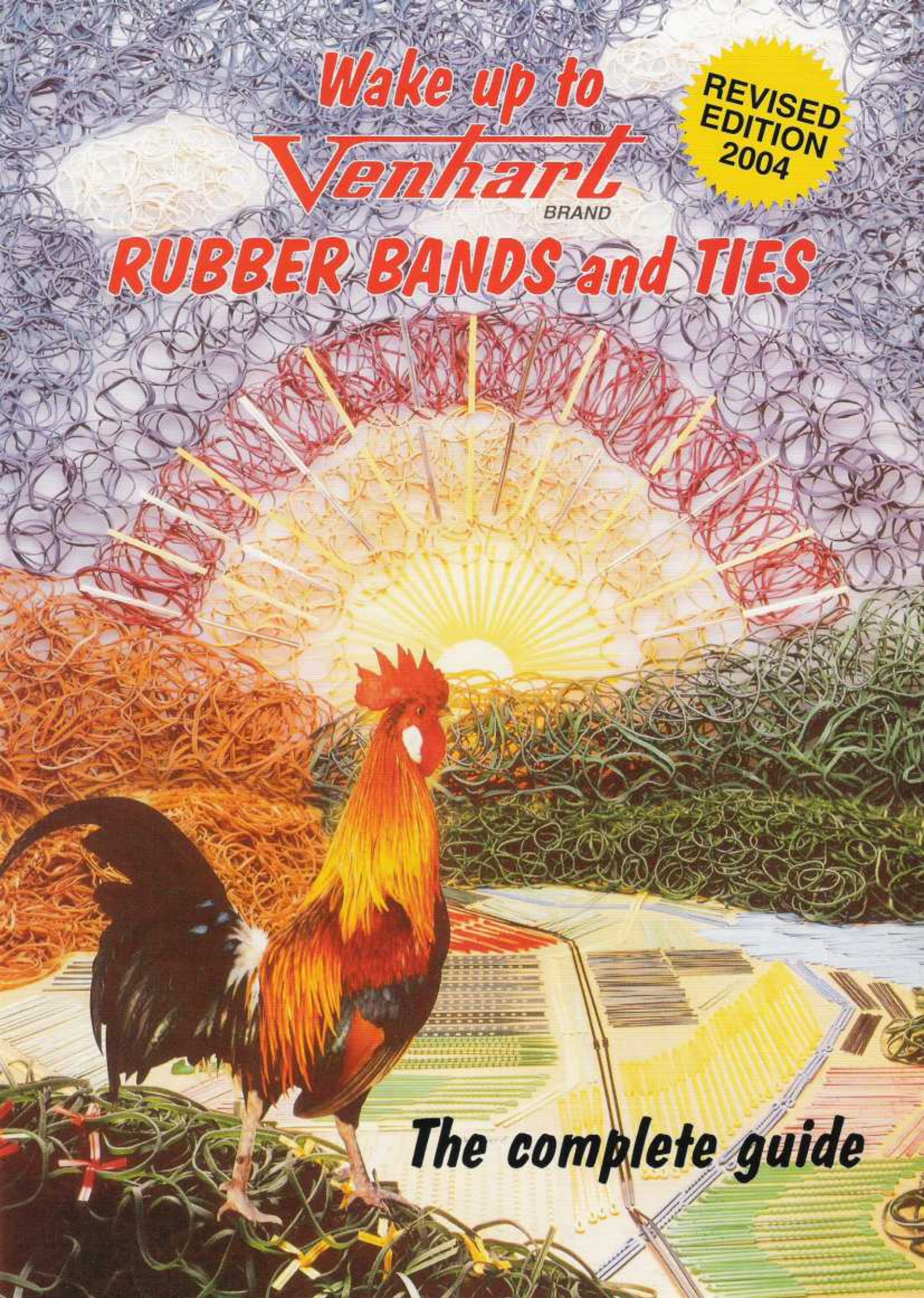
Wake up to Venhart® BRAND RUBBER BANDS and TIES

REVISED EDITION 2004



The complete guide

Australia's biggest range of rubber bands!

There's a very good chance you've used a Venhart rubber band today. No-one in the nation supplies a bigger choice of sizes and colours for every application: from tying pony tails to bunching vegetables, from securing crab claws to bundling mail. And no-one in Australia carries a larger stock – more than 170 tonnes in our Melbourne warehouse.

Venhart rubber bands are made from 96% pure rubber. They are much stronger and yet lighter weight than bands made from compounds, therefore you get more bands per kilogram. **VenBands** are made from 85% crepe rubber (15% to 20 % compounds). They are suitable for most jobs and cost less per bag than pure rubber bands. (See the comparison on page 4)

Venhart®
BRAND

203 220 109 107 175 92 170 BANANA BAND 160 106 89 24 105 87 67 86 35

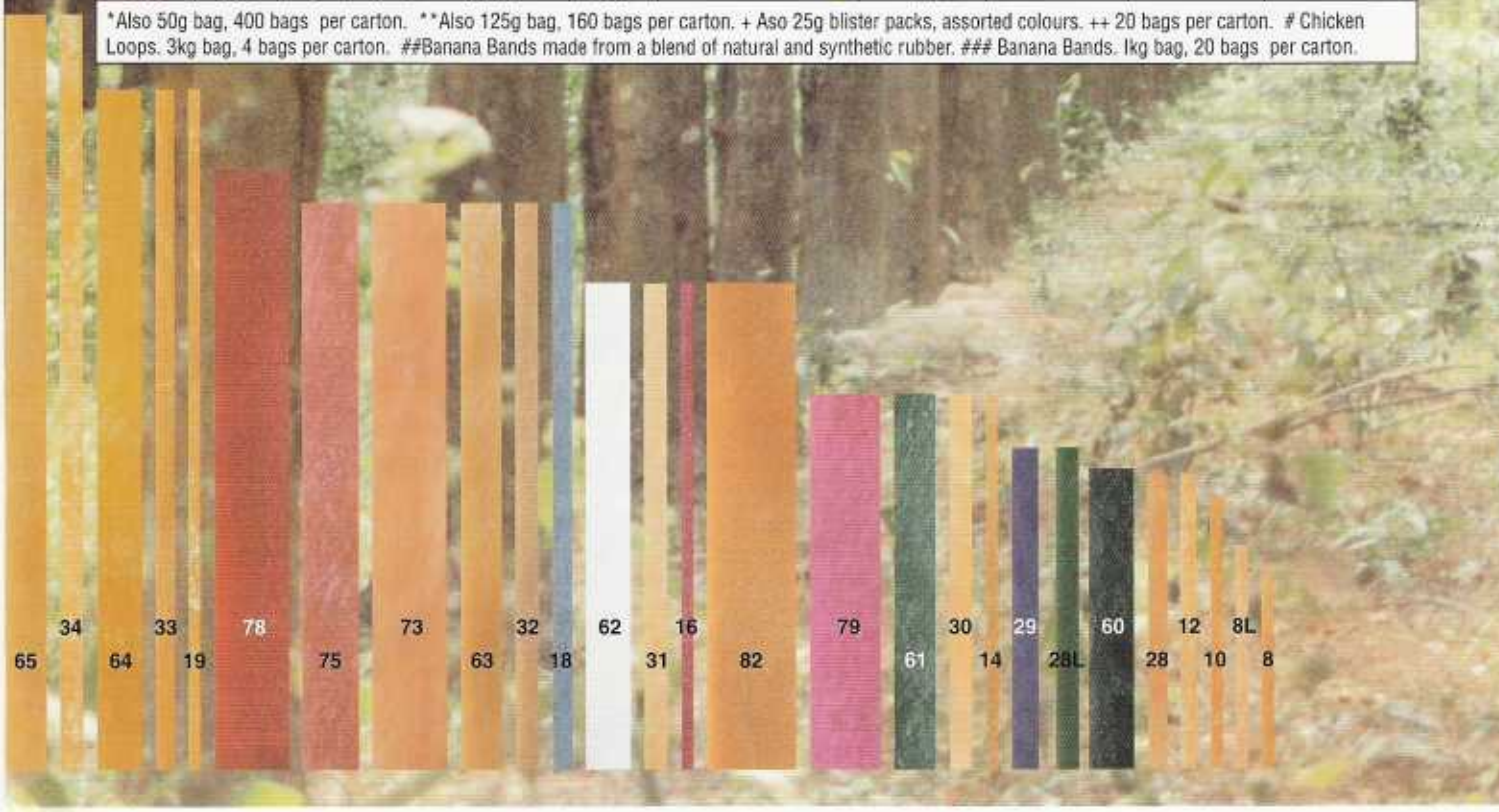
Venhart SELECTION GUIDE

PRODUCT No.	LENGTH mm	WIDTH mm	THICK mm	TENSILE STRENGTH kg cm²	BREAK FORCE kg	COLOURS	500g BAG 40 BAGS PER CTN	100g BOX 100 BOXES PER CTN	25g BAG 800 BAGS PER CTN	VenBands 500g BAG 40 BAGS PER CARTON
							BANDS PER BAG (BOX) APPROX.			BANDS P/BAG APPROX.
8	25	1.5	.8	92.28	2.21		6221	1410	352	
8L	30	1.5	.8	92.28	2.21		4820			
10	35	1.5	.8	92.28	2.21		4728*			4510
12	38	1.5	.8	92.28	2.21		4149	745	186	3000
14	50	1.5	.8	92.28	2.21		3465*	693	173	2780
16	64	1.5	.8	92.28	2.21		2674+	495	123	2225
18	75	1.5	.8	92.28	2.21		2336	365	91	1793
19	90	1.5	.8	92.28	2.21		2012	363	90	1725
24	150	1.5	.8	92.28	2.21		1400	280		
28	38	3	.8	92.28	4.43		2074	372	80	1810
28L	42	3.3	.8	116.3	6.14		1675			
29	44	3		92.28	4.43		1640			
30	50	3	.8	106.89	5.14		1723	322	46	1560
31	64	3	.8	106.89	5.14		1380	276		1215
32	75	3	.8	106.89	5.14		1168*	185	43	967
33	90	3	.8	106.89	5.14		1006**	172	20	793**
Mixed sizes: No30 x 100, No31 x 50, No32 x 35, No 33 x 25								210		
34	100	3	.8	106.89	5.14		915	163		555
35	114	3	.8	106.89	5.14		840	134		505
60	42	6		118	11.33		950			
61	50	6	.8	118	11.33		1081			930
62	64	6	.8	118	11.33		833	127		610
63	75	6	.8	118	11.33		584	86		460
64	90	6	.8	118	11.33		503*	83	18	420
65	100	6	.8	118	11.33		458	79		330
67	120	6	.8	118	11.33		600			
73	75	10	.8	121.71	19.47		325			
75	75	8	.8	140.63	18		490			
75AP	75	8	.8	140.63	18		490++			
78	80	10		121.71	19		310			
79	50	10	.8	121.71	19		490			
82	64	12	.8	138.74	26.64		415			
86	114	12	.8	138.74	26.64		170**	34		33
87	127	12	.8	138.74	26.64		155			
89	150	12	.8	138.74	26.64		140			
92	170	12	.8	138.74	26.64		120			
105	127	15	1.58	116.64	55.29		105		21	
106	152	15	1.58	116.64	55.29		80		16	
107	177	15	1.58	116.64	55.29		70		14	
109	248	17	1.5	114.13	58.20		37			
Banana##	160	13	2.0	520.00	50.00		110###			
170	160	12	3	1125.91	90.66		40			
175	175	4	.8	119.75	7.66		347			
203	300	25	3	125.91	188.86		15			
220	250	3	.8	106.89	5.14		635			

PLEASE NOTE:

- VenBands are available in 500 gram bags only except No 33 and No 86 which are also available in 125g bags.
- VenBands are available in natural amber colour only.
- All VenBands are 1mm thick.
- Tensile strength and breaking force values shown at left apply only to Venhart natural rubber bands not to VenBands.

*Also 50g bag, 400 bags per carton. **Also 125g bag, 160 bags per carton. + Aso 25g blister packs, assorted colours. ++ 20 bags per carton. # Chicken Loops. 3kg bag, 4 bags per carton. ##Banana Bands made from a blend of natural and synthetic rubber. ### Banana Bands. 1kg bag, 20 bags per carton.



The making of a Venhart® BRAND rubber band.

1.During the night the rubber tree exudes a milky substance known as latex. Each morning the latex is collected. One acre of trees yields approximately 5kg of latex each night.

2.Formic acid is added to coagulate and stiffen the pure latex.

3.Moisture is removed as the latex is pressed into sheets. The sheets now possess most of the familiar qualities of rubber.

4.The rubber sheets then undergo several more drying processes including oven drying.

5.The rubber is placed in a mixer where chemicals are added to make it more malleable. Most Venhart rubber bands are natural amber but colouring is added at this stage for customers who use bands for coding products and produce. The rubber is then extruded and fed onto various sized pipes according to the band size required.

6.The pipes are placed in an oven for curing. Talcum is applied throughout the manufacturing process to prevent sticking.

7. The rubber tubes are then washed, cooled and cut to the required band width.

Important comparison

Based on 0.8 mm thick x 1.5mm wide.	**Venhart pure rubber bands**	**Compound rubber bands**
Rubber content %	96	as low as 60
Breaking force (kg)	2.22	as low as 1.82
Elongation %	700	600
Tension set (max)	10	28
Bands per 500g approx. (Venhart No16)	2674	as few as 2060

TECHNICAL TERMS

BREAKING FORCE (kg): Force applied to the complete band which causes a break anywhere in the circumference. Established by averaging a series of stretching tests.

TENSILE STRENGTH (kg cm²): Calculated from the breaking force as follows:

$$\frac{\text{Breaking force Kg} \div 2}{\text{Thickness mm x Cut width mm} \div 100} = \text{Tensile strength Kg cm}^2$$

TENSION SET: Extent to which a band doesn't recover after elongation. Expressed as a percentage of the original band size.