

TIMING BELTS**RUBBER CHAIN BLUE**

The new **DUNLOP** Rubber Chain Blue can really be considered as a reliable, lower maintenance and economical alternative to the drive systems equipped with chains and gears.

Thanks to its state of the art materials, these belts are particularly recommended for efficient, compact drives which experience high torque loading and permit the designer much greater flexibility by means of the following advantages.

More than 110% power rating compared to the standard rubber chain white.

Uses existing pulleys, which maintains functional interchangeability with other deep profile systems as HTD.

Allows existing systems to be upgraded without the necessity to replace the pulleys.

DUNLOP Rubber Chain Blue is one of the quietest drive belt systems available on the market today.

In addition to this it has the extra advantages of:

Further reduction of noise by reduced belt widths due to the higher performance rating of the system.

Low noise characteristics compared to drive systems using polyurethane, steel etc. due to the rubber construction.

Use of smaller pulleys creates lower belts speeds and thereby less noise.

STRUCTURE

The new **DUNLOP** Rubber Chain Blue is constructed with materials of the highest quality and strength. Extensive development performed by Research & Development has resulted in superior torque capacity.

THE BELT BODY

It is formed by an innovative compound. This cross linked elastomer increases resistance to tooth shearing up to 15% in comparison to the previous belts. This compound guarantees an exceptional level of resistance to flex fatigue preventing the appearance of cracks and is formulated also to better resist mineral oils, heat and ozone actions.

TENSION MEMBERS

The glass fibre tensile members are the load carrying element, thanks to the excellent characteristic of this cord the new **DUNLOP** Rubber Chain Blue has a superior tension stability in static and dynamic conditions.

TOOTH FABRIC

A hard wearing nylon fabric is bonded to the tooth surface to improve torque carrying capacity. In addition a special graphite impregnation process transfers self lubricating action and increases belt efficiency.

FEATURES

An improved belt performance results from the adoption of this system, which can be summarised as follows.

- Better tension stability
- Longer life resistance
- Higher power performance
- Superior Antistatic Properties conforming to the BS 2050 and ISO 9563

- More compact and lightweight drives with same power rating
- Exceptional resistance to abrasion and tooth shear
- Temperature range -25°C to + 80°C



RPP TIMING BELTS



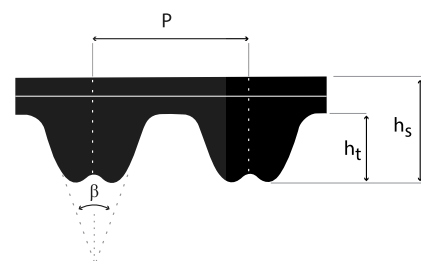
RPP TIMING BELTS RUBBER CHAIN BLUE

Description

The new RPP parabolic profile is deeper than the equivalent competitors standard tooth profile. The increased depth and sturdiness of the tooth results in an increased torque transmission capability and reduced interference during meshing. The recess in the top of the tooth allows local deformation of the belt when meshing with the pulley, and this contributes to the ability to absorb shock loads and reduced interference during meshing. Other benefits include a reduction in transmission noise, an increase in tooth jump resistance, an increase in power transmitted and an increase resistance to tooth shear.

Part numbers are identified by a 3 or 4 digit number (e.g. 960) which represents the pitch length in mm, a number and letter (e.g. 8M) the belts pitch and a 2 or 3 digit number (e.g. 30) the belts width. 960-8M-30 etc.

Belt type	Pitch	β	h_s	h_t
5M	5mm	32°	3.80	2.00
8M	8mm	32°	5.40	3.46
14M	14mm	32°	9.70	6.10



Interchange table

Dunlop	Gates	Contitech	Optibelt	Goodyear
Rubber Chain Blue	Powerstrip GT - GT2 - GT3	GT - CXP	OMEGA - B - HP	HPPD - White Hawk

Note: Manufacturers part numbers are used for descriptive purposes only and may not be direct equivalent products.

5M - RUBBER CHAIN BLUE

5M - CROSS SECTION			BELT WIDTH		
Part Number	Length (mm)	Number of teeth	9mm	15mm	25mm
180-5M-RCB	180	36	09	15	25
225-5M-RCB	225	45	09	15	25
235-5M-RCB	235	47	09	15	25
245-5M-RCB	245	49	09	15	25
255-5M-RCB	255	51	09	15	25
265-5M-RCB	265	53	09	15	25
270-5M-RCB	270	54	09	15	25
280-5M-RCB	280	56	09	15	25
285-5M-RCB	285	57	09	15	25
295-5M-RCB	295	59	09	15	25
300-5M-RCB	300	60	09	15	25
305-5M-RCB	305	61	09	15	25
325-5M-RCB	325	65	09	15	25
345-5M-RCB	345	69	09	15	25
350-5M-RCB	350	70	09	15	25
375-5M-RCB	375	75	09	15	25
400-5M-RCB	400	80	09	15	25
420-5M-RCB	420	84	09	15	25
425-5M-RCB	425	85	09	15	25
450-5M-RCB	450	90	09	15	25
455-5M-RCB	455	91	09	15	25
460-5M-RCB	460	92	09	15	25

5M - CROSS SECTION			BELT WIDTH		
Part Number	Length (mm)	Number of teeth	9mm	15mm	25mm
465-5M-RCB	465	93	09	15	25
475-5M-RCB	475	95	09	15	25
500-5M-RCB	500	100	09	15	25
525-5M-RCB	525	105	09	15	25
535-5M-RCB	535	107	09	15	25
565-5M-RCB	565	113	09	15	25
575-5M-RCB	575	115	09	15	25
580-5M-RCB	580	116	09	15	25
600-5M-RCB	600	120	09	15	25
610-5M-RCB	610	122	09	15	25
615-5M-RCB	615	123	09	15	25
635-5M-RCB	635	127	09	15	25
640-5M-RCB	640	128	09	15	25
670-5M-RCB	670	134	09	15	25
675-5M-RCB	675	135	09	15	25
700-5M-RCB	700	140	09	15	25
705-5M-RCB	705	141	09	15	25
710-5M-RCB	710	142	09	15	25
725-5M-RCB	725	145	09	15	25
740-5M-RCB	740	148	09	15	25
750-5M-RCB	750	150	09	15	25
755-5M-RCB	755	151	09	15	25

RPP TIMING BELTS



5M - RUBBER CHAIN BLUE continued

5M - CROSS SECTION			BELT WIDTH		
Part Number	Length (mm)	Number of teeth	9mm	15mm	25mm
800-5M-RCB	800	160	09	15	25
835-5M-RCB	835	167	09	15	25
850-5M-RCB	850	170	09	15	25
890-5M-RCB	890	178	09	15	25
900-5M-RCB	900	180	09	15	25
935-5M-RCB	935	187	09	15	25
940-5M-RCB	940	188	09	15	25
950-5M-RCB	950	190	09	15	25
980-5M-RCB	980	196	09	15	25
1000-5M-RCB	1000	200	09	15	25
1025-5M-RCB	1025	205	09	15	25
1050-5M-RCB	1050	210	09	15	25
1100-5M-RCB	1100	220	09	15	25
1125-5M-RCB	1125	225	09	15	25
1135-5M-RCB	1135	227	09	15	25
1195-5M-RCB	1195	239	09	15	25

5M - CROSS SECTION			BELT WIDTH		
Part Number	Length (mm)	Number of teeth	9mm	15mm	25mm
1200-5M-RCB	1200	240	09	15	25
1240-5M-RCB	1240	248	09	15	25
1270-5M-RCB	1270	254	09	15	25
1420-5M-RCB	1420	284	09	15	25
1500-5M-RCB	1500	300	09	15	25
1595-5M-RCB	1595	319	09	15	25
1605-5M-RCB	1605	321	09	15	25
1690-5M-RCB	1690	338	09	15	25
1790-5M-RCB	1790	358	09	15	25
1800-5M-RCB	1800	360	09	15	25
1870-5M-RCB	1870	374	09	15	25
1895-5M-RCB	1895	379	09	15	25
1945-5M-RCB	1945	389	09	15	25
2000-5M-RCB	2000	400	09	15	25
2250-5M-RCB	2250	450	09	15	25
2525-5M-RCB	2525	505	09	15	25

8M - RUBBER CHAIN BLUE

8M - CROSS SECTION			BELT WIDTH			
Part Number	Length (mm)	Number of teeth	20mm	30mm	50mm	85mm
288-8M-RCB	288	36	20	30	50	85
320-8M-RCB	320	40	20	30	50	85
352-8M-RCB	352	44	20	30	50	85
360-8M-RCB	360	45	20	30	50	85
384-8M-RCB	384	48	20	30	50	85
408-8M-RCB	408	51	20	30	50	85
416-8M-RCB	416	52	20	30	50	85
456-8M-RCB	456	57	20	30	50	85
480-8M-RCB	480	60	20	30	50	85
536-8M-RCB	536	67	20	30	50	85
544-8M-RCB	544	68	20	30	50	85
560-8M-RCB	560	70	20	30	50	85
600-8M-RCB	600	75	20	30	50	85
608-8M-RCB	608	76	20	30	50	85
632-8M-RCB	632	79	20	30	50	85
640-8M-RCB	640	80	20	30	50	85
680-8M-RCB	680	85	20	30	50	85
720-8M-RCB	720	90	20	30	50	85
760-8M-RCB	760	95	20	30	50	85
800-8M-RCB	800	100	20	30	50	85

8M - CROSS SECTION			BELT WIDTH			
Part Number	Length (mm)	Number of teeth	20mm	30mm	50mm	85mm
840-8M-RCB	840	105	20	30	50	85
880-8M-RCB	880	110	20	30	50	85
896-8M-RCB	896	112	20	30	50	85
920-8M-RCB	920	115	20	30	50	85
960-8M-RCB	960	120	20	30	50	85
1000-8M-RCB	1000	125	20	30	50	85
1040-8M-RCB	1040	130	20	30	50	85
1080-8M-RCB	1080	135	20	30	50	85
1120-8M-RCB	1120	140	20	30	50	85
1200-8M-RCB	1200	150	20	30	50	85
1224-8M-RCB	1224	153	20	30	50	85
1280-8M-RCB	1280	160	20	30	50	85
1352-8M-RCB	1352	169	20	30	50	85
1424-8M-RCB	1424	178	20	30	50	85
1440-8M-RCB	1440	180	20	30	50	85
1464-8M-RCB	1464	183	20	30	50	85
1600-8M-RCB	1600	200	20	30	50	85
1680-8M-RCB	1680	210	20	30	50	85
1760-8M-RCB	1760	220	20	30	50	85
1800-8M-RCB	1800	225	20	30	50	85

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8M - RUBBER CHAIN BLUE continued

8M - CROSS SECTION			BELT WIDTH				8M - CROSS SECTION			BELT WIDTH			
Part Number	Length (mm)	Number of teeth	20mm	30mm	50mm	85mm	Part Number	Length (mm)	Number of teeth	20mm	30mm	50mm	85mm
1904-8M-RCB	1904	238	20	30	50	85	2600-8M-RCB	2600	325	20	30	50	85
2000-8M-RCB	2000	250	20	30	50	85	2800-8M-RCB	2800	350	20	30	50	85
2200-8M-RCB	2200	275	20	30	50	85	3048-8M-RCB	3048	381	20	30	50	85
2272-8M-RCB	2272	284	20	30	50	85	3280-8M-RCB	3280	410	20	30	50	85
2400-8M-RCB	2400	300	20	30	50	85	3600-8M-RCB	3600	450	20	30	50	85
2520-8M-RCB	2520	315	20	30	50	85	4400-8M-RCB	4400	550	20	30	50	85

14M - RUBBER CHAIN BLUE

14M - CROSS SECTION			BELT WIDTH				
Part Number	Length (mm)	Number of teeth	40mm	55mm	85mm	115mm	170mm
966-14M-RCB	966	69	40	55	85	115	170
1092-14M-RCB	1092	78	40	55	85	115	170
1106-14M-RCB	1106	79	40	55	85	115	170
1190-14M-RCB	1190	85	40	55	85	115	170
1260-14M-RCB	1260	90	40	55	85	115	170
1288-14M-RCB	1288	92	40	55	85	115	170
1344-14M-RCB	1344	96	40	55	85	115	170
1400-14M-RCB	1400	100	40	55	85	115	170
1442-14M-RCB	1442	103	40	55	85	115	170
1568-14M-RCB	1568	112	40	55	85	115	170
1610-14M-RCB	1610	115	40	55	85	115	170
1750-14M-RCB	1750	125	40	55	85	115	170
1764-14M-RCB	1764	126	40	55	85	115	170
1778-14M-RCB	1778	127	40	55	85	115	170
1848-14M-RCB	1848	132	40	55	85	115	170
1890-14M-RCB	1890	135	40	55	85	115	170
1904-14M-RCB	1904	136	40	55	85	115	170
1960-14M-RCB	1960	140	40	55	85	115	170
2100-14M-RCB	2100	150	40	55	85	115	170
2240-14M-RCB	2240	160	40	55	85	115	170
2310-14M-RCB	2310	165	40	55	85	115	170
2380-14M-RCB	2380	170	40	55	85	115	170
2450-14M-RCB	2450	175	40	55	85	115	170
2590-14M-RCB	2590	185	40	55	85	115	170
2660-14M-RCB	2660	190	40	55	85	115	170
2800-14M-RCB	2800	200	40	55	85	115	170
2968-14M-RCB	2968	212	40	55	85	115	170
3150-14M-RCB	3150	225	40	55	85	115	170
3360-14M-RCB	3360	240	40	55	85	115	170
3500-14M-RCB	3500	250	40	55	85	115	170
3850-14M-RCB	3850	275	40	55	85	115	170
3920-14M-RCB	3920	280	40	55	85	115	170
4326-14M-RCB	4326	309	40	55	85	115	170
4578-14M-RCB	4578	327	40	55	85	115	170
4956-14M-RCB	4956	354	40	55	85	115	170