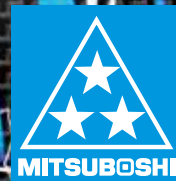
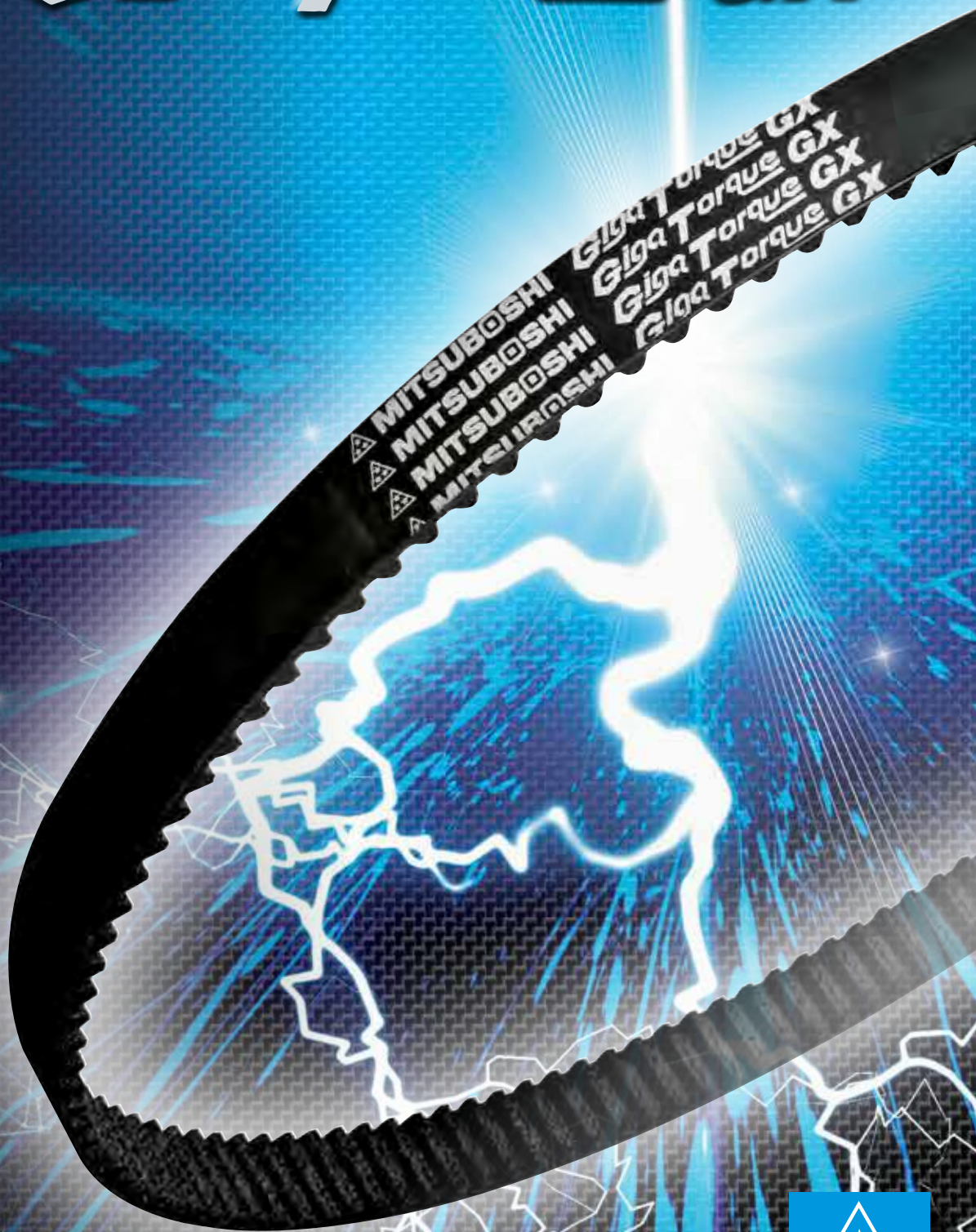




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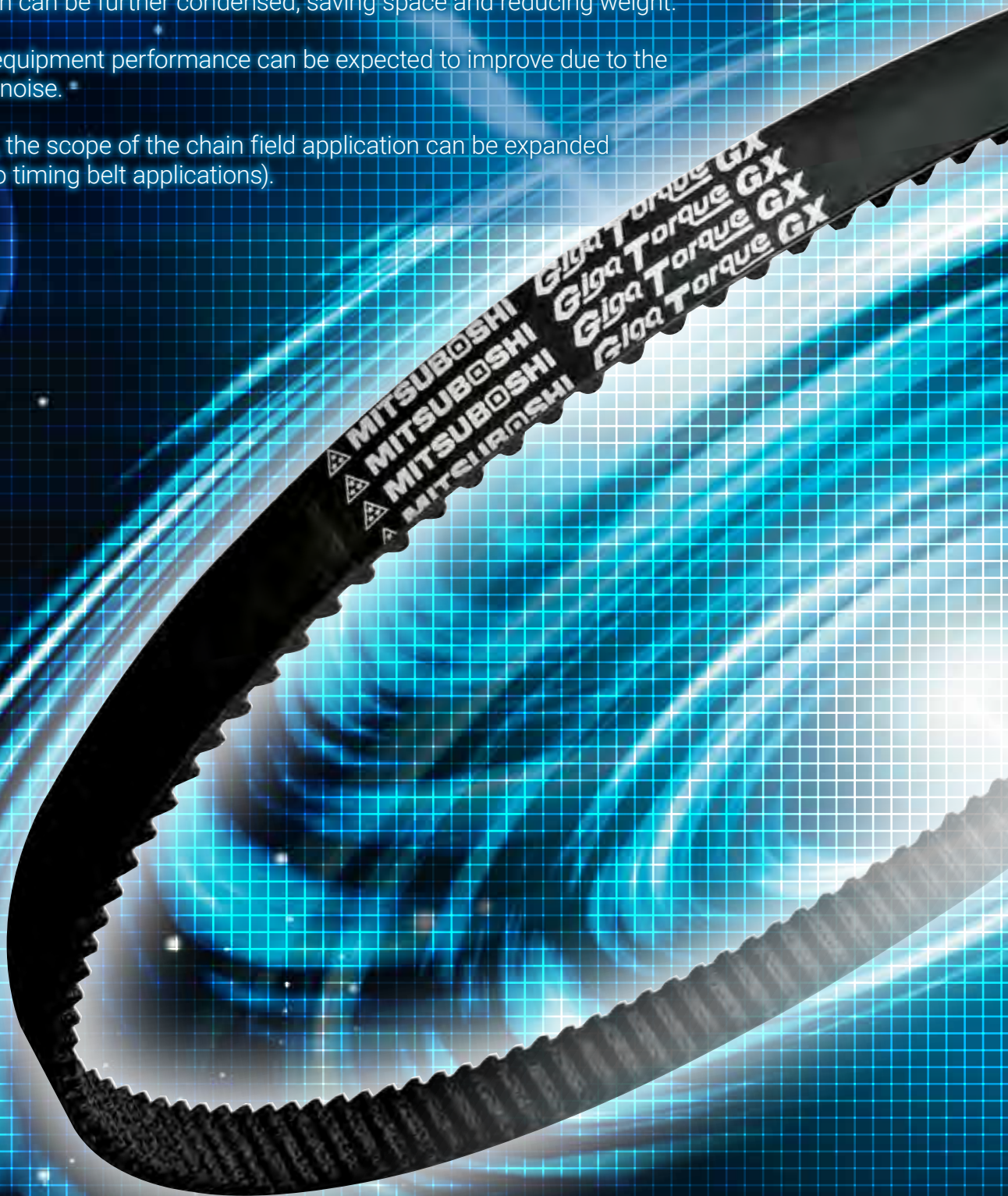
Ultra-High Torque Timing Belt

GigaTorque GX



GigaTorque GX

- ▶ Rigid and flexible carbon fiber is used for the cord to ensure strength and flexibility.
- ▶ The belt width can be further condensed, saving space and reducing weight.
- ▶ Mechanical equipment performance can be expected to improve due to the effect of low noise.
- ▶ Furthermore, the scope of the chain field application can be expanded (not limited to timing belt applications).



Cord: High modulus carbon fiber

Rubber: High hardness synthetic rubber (H-NBR)

**Construction
Materials**

Tooth Fabric: Ultra wear-resistant fiber

**High transmission
capacity**

Narrower belt

Expected Effect

- Reduced size of machinery and equipment
- Weight reduction
- Pulley inertia reduction
- Low noise
- Cost reduction

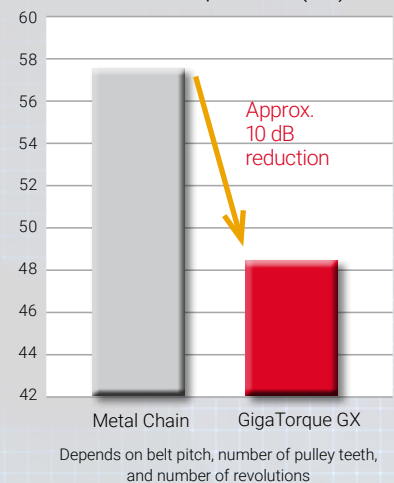
Application: Injection molding machine, machine tool, robot, etc.

Comparison of GigaTorque GX with Metal Chain

	GigaTorque	Metal Chain	Result
Transmission efficiency	★★★★	★★	Belts have low energy loss
Impact resistance	★★	★	Since the belt is an elastic body, a certain amount of shock can be absorbed
Noise and vibration	★★★★	★	5dB to 10dB reduction
Applicable range of rotation speed	★★★★	★	Adaptable from low to high speed
System weight	★★	★★	Belt is beneficial at high speed rotation
Lubrication	Not Needed	Necessary	Maintenance-free without lubricating

★★★★ Very Good ★★ Good ★ Acceptable

Noise comparison (dB)



BELTS

G8M (8mm pitch)

Product Code

<u>360</u>	<u>G8M</u>	<u>2400</u>	<u>GX</u>
Nominal Width (mm×10)	Belt Type	Nominal Length (mm)	GX Spec.

Belt Code	No. of teeth	Belt Code	No. of teeth
G8M 640	80	G8M 1792	224
G8M 720	90	G8M 1800	225
G8M 800	100	G8M 1912	239
G8M 880	110	G8M 2000	250
G8M 896	112	G8M 2104	263
G8M 960	120	G8M 2200	275
G8M 1000	125	G8M 2240	280
G8M 1024	128	G8M 2400	300
G8M 1040	130	G8M 2520	315
G8M 1056	132	G8M 2600	325
G8M 1096	137	G8M 2800	350
G8M 1120	140	G8M 2840	355
G8M 1200	150	G8M 3048	381
G8M 1224	153	G8M 3200	400
G8M 1280	160	G8M 3280	410
G8M 1400	175	G8M 3600	450
G8M 1440	180	G8M 4000	500
G8M 1600	200	G8M 4400	550
G8M 1672	209	G8M 4480	560
G8M 1760	220		

G14M (14mm pitch)

Product Code

<u>370</u>	<u>G14M</u>	<u>2100</u>	<u>GX</u>
Nominal Width (mm×10)	Belt Type	Nominal Length (mm)	GX Spec.

Belt code	No. of teeth	Belt code	No. of teeth
G14M 966	69	G14M 2450	175
G14M 994	71	G14M 2520	180
G14M 1120	80	G14M 2590	185
G14M 1190	85	G14M 2660	190
G14M 1260	90	G14M 2730	195
G14M 1302	93	G14M 2800	200
G14M 1344	96	G14M 3136	224
G14M 1400	100	G14M 3150	225
G14M 1568	112	G14M 3304	236
G14M 1610	115	G14M 3360	240
G14M 1750	125	G14M 3500	250
G14M 1778	127	G14M 3850	275
G14M 1890	135	G14M 3920	280
G14M 1960	140	G14M 4144	296
G14M 2002	143	G14M 4326	309
G14M 2100	150	G14M 4410	315
G14M 2240	160	G14M 4578	327
G14M 2310	165	G14M 4956	354
G14M 2380	170		

PULLEYS

Use as a set with the GigaTorque GX special pulley. For the selection of belt pulleys see our Pulley Product Catalog (V879-C).



Mitsuboshi Belting Europe GmbH

- (1) Make it sure to refer the latest catalog in our website.
- (2) Please read "Safety Precautions" in our catalog "Design Manual Timing Belt (V832-E)" carefully before use.
- (3) Please don't hesitate to contact us if you have any questions.
- (4) The contents of the description may change without prior notice.
- (5) It is strictly prohibited to duplicate and/or modify part or all of this catalog regardless of the form.

