

MPTA-B3c-2016

# SYNCHRONOUS DRIVE IDENTIFICATION



## INFORMATIONAL BULLETIN

**Contributors**

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<b>B&amp;B Manufacturing, Inc.</b>	<b>LaPorte, IN</b>	<a href="http://www.bbman.com">www.bbman.com</a>
<b>Baldor-Dodge</b>	<b>Greenville, SC</b>	<a href="http://www.baldor.com">www.baldor.com</a>
<b>Carlisle Belts by Timken</b>	<b>Springfield, MO</b>	<a href="http://www.carlislebelts.com">www.carlislebelts.com</a>
<b>Continental ContiTech</b>	<b>Fairlawn, OH</b>	<a href="http://www.contitech.us">www.contitech.us</a>
<b>Custom Machine &amp; Tool Co., Inc.</b>	<b>Hanover, MA</b>	<a href="http://www.cmtco.com">www.cmtco.com</a>
<b>Gates Corporation</b>	<b>Denver, CO</b>	<a href="http://www.gates.com">www.gates.com</a>
<b>Goldens' Foundry &amp; Machine Co.</b>	<b>Columbus, GA</b>	<a href="http://www.gfmco.com">www.gfmco.com</a>
<b>Lovejoy, Inc.</b>	<b>Downers Grove, IL</b>	<a href="http://www.lovejoy-inc.com">www.lovejoy-inc.com</a>
<b>Martin Sprocket &amp; Gear, Inc.</b>	<b>Arlington, TX</b>	<a href="http://www.martinsprocket.com">www.martinsprocket.com</a>
<b>Maurey Manufacturing Corp.</b>	<b>Holly Springs, MS</b>	<a href="http://www.maurey.com">www.maurey.com</a>
<b>Regal Beloit America, Inc.</b>	<b>Maysville, KY</b>	<a href="http://www.regalbeloit.com">www.regalbeloit.com</a>
<b>Torque Transmission</b>	<b>Fairport Harbor, OH</b>	<a href="http://www.torquetrans.com">www.torquetrans.com</a>

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**Abstract**

This informational bulletin categorizes current and discontinued synchronous drive products by tooth form.

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Curvilinear

Company	Trade Name ®	Supplier		Manufacturer		Status		Mounting Type	Pitches						Comments
		Belt	Sprocket	Belt	Sprocket	Belt	Sprocket		2M	3M	5M	8M	14M	20M	
Altra - TB Wood's	HTD	yes	yes	no	yes	discont.	discont.	QDB			X	X	X	X	Superseded by Synchronous Plus
Altra - TB Wood's	Synchronous Plus	yes	yes	no	yes	current	current	QDB						X	
B & B	PowerHouse HTD	yes	yes	no	yes	current	current	MPB, QD, TL		X	X	X	X		
Baldor-Dodge	HTD	no	yes	no	yes	discont.	current	QDB				X	X		
Carlisle Belts by Timken	Synchro-Cog HT	yes	yes	no	no	current	na	na		X	X	X	X		
Custom Machine & Tool	HTD	yes	yes	no	yes	current	current	QD, TL, MPB, CMT®		X	X	X	X		
Gates	HTD	yes	yes	yes	no	current	current	MPB, QDB		X	X	X	X	X	Superseded by Power Grip GT
Martin	HTD	no	yes	no	yes	current	current	QD, TL, MPB, MST, MXT			X	X	X	X	Superseded by HTS
Maurey	HPD	yes	yes	no	yes	current	current	QDB				X	X		
Regal Beloit	HPT	yes	yes	no	yes	discont.	discont.	QDB			X	X	X	X	Superseded by HPT Plus
Torque Transmission	HTD	yes	yes	no	yes	current	current	CMT®		X	X	X	X		



Modified Curvilinear

Company	Trade Name ®	Supplier		Manufacturer		Status		Mounting Type	Pitches						Comments
		Belt	Sprocket	Belt	Sprocket	Belt	Sprocket		2M	3M	5M	8M	14M	20M	
Altra - TB Wood's	QT Powerchain II	yes	yes	no	yes	current	current	Taper-Lock®				X	X		
B & B	PowerHouse	yes	yes	no	yes	current	current	MPB, QD, TL	X	X	X	X	X		
B & B	PowerHouse MX	yes	yes	no	yes	current	current	MPB, QD, TL			X	X	X		
Baldor-Dodge	HT150	yes	yes	no	yes	discont.	discont.	Taper-Lock®			X	X	X	X	Superseded by HT250
Baldor-Dodge	HT200	yes	yes	no	yes	discont.	discont.	Taper-Lock®			X	X	X	X	Superseded by HT250
Baldor-Dodge	HT250	yes	yes	no	yes	current	current	T-L, QD, MPB			X	X	X		
Baldor-Dodge	HT500	yes	yes	no	yes	current	current	T-L, QD, MPB				X	X		
Carlisle Belts by Timken	PantherXT	yes	yes	no	no	current	current	QD, TL, MPB				X	X		
ContiTech	Falcon	yes	yes	yes	yes	current	current	Taper-Lock®				X	X		
Custom Machine & Tool	PowerGrip GT	yes	yes	no	yes	discont.	discont.	QD, TL, MPB, CMT®	X	X	X	X	X		
Custom Machine & Tool	PowerGrip GT2	yes	yes	no	yes	current	current	QD, TL, MPB, CMT®	X	X	X	X	X		
Custom Machine & Tool	Poly Chain GT2	yes	yes	no	yes	current	current	QD, TL, MPB, CMT®				X	X		
Gates	PowerGrip GT	yes	yes	yes	no	discont.	discont.	QD, TL, MPB	X	X	X	X	X	X	Superseded by PowerGrip GT2
Gates	PowerGrip GT2	yes	yes	yes	no	discont.	current	QD, TL, MPB	X	X	X	X	X	X	Superseded by PowerGrip GT3
Gates	PowerGrip GT3	yes	yes	yes	no	current	current	QD, TL, MPB	X	X	X	X	X	X	Higher rated than PowerGrip GT2
Gates	Poly Chain GT	yes	yes	yes	no	discont.	discont.	QD, TL, MPB				X	X		Superseded by PolyChain GT2
Gates	Poly Chain GT2	yes	yes	yes	no	discont.	current	QD, TL, MPB				X	X		Superseded by PolyChain GTC
Gates	Poly Chain GTC	yes	yes	yes	no	current	current	QD, TL, MPB				X	X	X	Higher rated than PolyChain GT2
Martin	MGT	no	yes	no	yes	current	current	QD, TL, MPB, MST, MXT		X	X	X	X	X	
Regal Beloit	HPT Plus	yes	yes	no	no	discont.	discont.	QD, TL, MPB			X			X	
Regal Beloit	HPT Plus	yes	yes	no	no	current	current	QD, TL, MPB				X	X		
Regal Beloit	HPT-Chain	yes	yes	no	no	current	current	QD, TL, MPB				X	X		
Torque Transmission	Powergrip GT	no	yes	no	yes	current	current	CMT®	X	X	X	X			
Torque Transmission	Powergrip GT2	no	yes	no	yes	current	current	CMT®	X	X	X	X			



Parabolic

Company	Trade Name ®	Supplier		Manufacturer		Status		Mounting Type	Pitches						Comments
		Belt	Sprocket	Belt	Sprocket	Belt	Sprocket		2M	3M	5M	8M	14M	20M	
Altra - TB Wood's	RPP	yes	yes	no	yes	discont.	discont.	QDB			X	X	X		Superseded by RPP Plus
Altra - TB Wood's	HPR	yes	yes	no	yes	discont.	discont.	QDB				X	X		Superseded by RPP Plus
Altra - TB Wood's	RPP Plus	yes	yes	no	yes	discont.	discont.	QDB			X	X	X		Superseded by Synchronous Plus
Altra - TB Wood's	Synchronous Plus	yes	yes	no	yes	current	current	QDB			X	X	X		
Altra - TB Wood's	QT Power Chain	yes	yes	no	yes	current	current	QDB				X	X		
B & B	RPP	no	yes	no	yes	current	current	MPB, QD, TL		X	X	X	X		
Baldor-Dodge	HTR	yes	yes	no	yes	discont.	discont.	Taper-Lock®				X	X		
Baldor-Dodge	HTRC	yes	yes	no	yes	discont.	discont.	Taper-Lock®				X	X		
Carlisle Belts by Timken	Synchro-Cog RPP	yes	yes	yes	no	discont.	discont.	QDB			X	X	X	X	Superseded by RPP Plus
Carlisle Belts by Timken	Synchro-Cog HPR	yes	yes	yes	no	discont.	discont.	QDB				X	X		Superseded by RPP Plus
Carlisle Belts by Timken	Synchro-Cog RPP Plus	yes	yes	yes	no	discont.	discont.	QDB			X	X	X	X	Superseded by Panther Plus
Carlisle Belts by Timken	RPP Panther	yes	yes	yes	no	discont.	discont.	QDB				X	X		Superseded by Panther Plus
Carlisle Belts by Timken	Panther	yes	yes	yes	no	current	current	QDB & T-L				X	X	X	
ContiTech	HPPD Plus	yes	yes	yes	no	discont.	current	QDB & T-L	X	X	X	X	X	X	Superseded by Hawk
ContiTech	Whitehawk	yes	yes	yes	no	discont.	current	QDB & T-L				X	X		Superseded by Hawk
ContiTech	Hawk	yes	yes	yes	no	current	current	QDB & T-L	X	X	X	X	X	X	Higher rated than HPPD Plus
ContiTech	Blackhawk	yes	yes	yes	no	current	current	QDB				X	X		Higher rated than Hawk
Custom Machine & Tool	RPP	yes	yes	no	yes	current	current	QD, TL, MPB, CMT				X	X	X	
Martin	HTS	no	yes	no	yes	na	current	QD, TL, MPB, MST, MXT			X	X	X	X	
Martin	High HP HTS	no	yes	no	yes	na	current	QD, TL, MPB, MST, MXT			X	X	X	X	Iron produced, Belts not offered
Regal Beloit	HPT	yes	yes	no	yes	discont.	discont.	QDB			X	X	X	X	
Regal Beloit	RPP Panther	yes	yes	no	yes	discont.	discont.	Split Taper				X	X		Higher rated than HPT



**Circular Side**

Company	Trade Name ®	Supplier		Manufacturer		Status		Mounting Type	Pitches						Comments
		Belt	Sprocket	Belt	Sprocket	Belt	Sprocket		2M	3M	5M	8M	14M	20M	
B & B	STPD	yes	yes	no	yes	current	current	MPB, QD, TL		X	X	X	X		
ContiTech	STPD	yes	yes	yes	no	current	na	na	X	X	X	X	X		
Custom Machine & Tool	STPD	yes	yes	no	yes	current	current	QD, TL, MPB, CMT		X	X	X	X		
Martin	STS	no	yes	no	yes	current	current	QD, TL, MPB, MST, MXT		X	X	X	X		



**Helical Offset**

Company	Trade Name ®	Supplier		Manufacturer		Status		Mounting Type	Pitches						Comments
		Belt	Sprocket	Belt	Sprocket	Belt	Sprocket		2M	3M	5M	8M	14M	20M	
ContiTech	SilentSync	yes	yes	yes	yes	current	current	QDB				X	X		

Notes:

1. See Contributors List for complete listing of Company Names
2. Many sprockets are readily available for Bored-to-Size mounting in addition to the bushed mounting system listed.
3. Sprockets listed are those that are readily available. Many manufacturers can furnish other designs upon request.
4. Mixing belt profiles may result in reduced life.
5. Trade names indicated are registered by the manufacturer indicated, except HTD® which is a registered tradename of Gates Corporation and Taper-lock® which is a registered tradename of Baldor Electric Co.
6. QDB sold under tradenames such as Q-D® registered to Emerson Electric and Sure-Grip® registered to TB Wood's Incorporated.

**END OF DOCUMENT**