

MPTA-B3c-2011

SYNCHRONOUS DRIVE IDENTIFICATION



INFORMATIONAL BULLETIN

Contributors

B&B Manufacturing, Inc.	LaPorte, IN	www.bbman.com
Baldor Dodge Maska	Greenville, SC	www.baldor.com
Carlisle Transportation Products, Inc.	Miamisburg, OH	www.carlislebelts.com
Custom Machine & Tool Co., Inc.	Hanover, MA	www.cmtco.com
Diamond Precision Products A Division of Saelens Corporation	Johnson Creek, WI	www.diamondprecision.com
Emerson Power Transmission	Maysville, KY	www.emerson-ept.com
Gates Corporation	Denver, CO	www.gates.com
Goldens' Foundry & Machine Co.	Columbus, GA	www.gfmco.com
H. Neuman & Company	Schiller Park, IL	www.hneuman.com
Lovejoy, Inc.	Downers Grove, IL	www.lovejoy-inc.com
Martin Sprocket & Gear, Inc.	Arlington, TX	www.martinsprocket.com
Maurey Manufacturing Corp.	Holly Springs, MS	www.maurey.com
TB Wood's Incorporated	Chambersburg, PA	www.tbwoods.com
Torque Transmission	Fairport Harbor, OH	www.torquetrans.com
Veyance Technologies, Inc. Goodyear Engineered Products	Fairlawn, OH	www.goodyearep.com/PTP

Disclaimer

This publication is presented for the purpose of providing reference information only. You should not rely solely on the information contained herein. Mechanical Power Transmission Association (MPTA) recommends that you consult with appropriate engineers and /or other professionals for specific needs. Again, this publication is for reference information only and in no event will MPTA be liable for direct, indirect, incidental or consequential damages arising from the use of this information.

Abstract

This standard defines the balance tolerances to be used with all transmission sheaves/pulleys with or without grooves or teeth.

Copyright Position Statement

MPTA publications are not copyrighted to encourage their use throughout industry. It is requested that the MPTA be given recognition when any of this material is copied for any use.



Curvilinear

Company	Trade Name ®	Supplier		Manufacturer		Status		Mounting Type	Pitches						Comments
		Belt	Sprocket	Belt	Sprocket	Belt	Sprocket		2M	3M	5M	8M	14M	20M	
B & B	HTD	yes	yes	no	yes	current	current	QDB & MPB		X	X	X	X		
Browning	HPT	yes	yes	no	yes	discont.	discont.	QDB		X	X	X	X	X	Superseded by HPT Plus
Custom Machine & Tool	HTD	yes	yes	no	yes	current	current	CMT®		X	X	X	X		
Baldor Dodge Maska	HT100 (HTD)	no	yes	no	yes	discont.	current	QDB				X	X	X	
Gates	HTD	yes	yes	yes	no	discont.	discont.	QDB			X	X	X	X	Superseded by Power Grip GT
Jason	HTB	yes	no	yes	no	current	na	na			X	X	X		Higher rated than HTB
Jason	Tiger	yes	no	yes	no	current	na	na							
Martin	HTD	no	yes	no	yes	discont.	discont.	QDB			X	X	X	X	Superseded by HTS
Maurey	HPD	yes	yes	no	yes	current	current	QDB				X	X		
Neuman	HTD	yes	yes	no	yes	current	current	QDB & MPB		X	X	X	X		
Torque Transmission	HTD	yes	yes	no	yes	current	current	CMT®		X	X	X	X		
TB Wood's	HTD	yes	yes	no	yes	discont.	discont.	QDB			X	X	X	X	Superseded by Synchronous Plus



Modified Curvilinear

Company	Trade Name ®	Supplier		Manufacturer		Status		Mounting Type	Pitches						Comments
		Belt	Sprocket	Belt	Sprocket	Belt	Sprocket		2M	3M	5M	8M	14M	20M	
B & B	PowerGrip GT	yes	yes	no	yes	current	current	QDB & MPB	X	X	X	X			
B & B	PowerGrip GT2	yes	yes	no	yes	current	current	Taperlock & MPB	X	X	X	X			
Browning	HPT Plus	yes	yes	no	yes	current	current	QDB			X	X	X	X	
Custom Machine & Tool	PowerGrip GT2	yes	yes	no	yes	current	current	CMT®	X	X	X	X			
Baldor Dodge Maska	HT150	yes	yes	no	yes	discont.	discont.	Taper-Lock®			X	X	X	X	Superseded by HT200
Baldor Dodge Maska	HT200	yes	yes	no	yes	current	current	Taper-Lock®			X	X	X	X	
Gates	PowerGrip GT	yes	yes	yes	no	discont.	discont.	QDB	X	X	X	X	X	X	Superseded by PowerGrip GT2
Gates	PowerGrip GT2	yes	yes	yes	no	current	current	Taper-Lock®	X	X	X	X	X	X	Higher rated than PowerGrip GT
Gates	Poly Chain GT	yes	yes	yes	no	discont.	discont.	QDB				X	X		Superseded by PolyChain GT2
Gates	Poly Chain GT2	yes	yes	yes	no	current	current	Taper-Lock®				X	X		Higher rated than PolyChain GT
Goodyear	Falcon	yes	yes	yes	yes	current	current	Taper-Lock®				X	X		
Neuman	PowerGrip GT	yes	yes	no	yes	current	current	QDB & MPB	X	X	X	X			
Neuman	PowerGrip GT2	yes	yes	no	yes	current	current	Taperlock & MPB	X	X	X	X			
TB Wood's	QT Powerchain II	yes	yes	no	yes	current	current	Taper-Lock®				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			



Circular Side

Company	Trade Name ®	Supplier		Manufacturer		Status		Mounting Type	Pitches						Comments
		Belt	Sprocket	Belt	Sprocket	Belt	Sprocket		2M	3M	5M	8M	14M	20M	
Goodyear	STPD	yes	yes	yes	no	current	na	na	X	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	
Browning	HPT	yes	yes	no	yes	current	current	QDB		X	X	X	X		
Browning	RPP Panther	yes	yes	no	yes	current	current	Split Taper				X	X		Higher rated than HPT
Carlisle	Synchro-Cog RPP	yes	yes	yes	no	discont.	discont.	QDB			X	X	X	X	Superseded by RPP Plus
Carlisle	Synchro-Cog HPR	yes	yes	yes	no	discont.	discont.	QDB			X	X	X		Superseded by RPP Plus
Carlisle	Synchro-Cog RPP Plus	yes	yes	yes	no	current	current	QDB			X	X	X	X	
Carlisle	RPP Panther	yes	yes	yes	no	current	current	QDB			X	X	X		Higher rated than RPP Plus
Baldor Dodge Maska	HTR	Yes	Yes	No	Yes	Current	Current	Taper-Lock				X	X		Higher rating than HTR
Baldor Dodge Maska	HTRC	Yes	Yes	No	Yes	Current	Current	Taper-Lock				X	X		Higher rating than HTR
Goodyear	HPPD Plus	yes	yes	yes	no	discont.	current	QDB & T-L	X	X	X	X	X	X	Superseded by Hawk
Goodyear	Whitehawk	yes	yes	yes	no	discont.	current	QDB & T-L			X	X	X		Superseded by Hawk
Goodyear	Hawk	yes	yes	yes	no	current	current	QDB & T-L	X	X	X	X	X	X	Higher rated than HPPD Plus
Goodyear	Blackhawk	yes	yes	yes	no	current	current	QDB			X	X	X		Higher rated than Hawk
Martin	HTS	no	yes	no	yes	na	current	QDB & T-L			X	X	X	X	Iron produced Belts not offered
Martin	High HP HTS	no	yes	no	yes	na	current	QDB			X	X	X		Iron produced Belts not offered
TB Wood's	RPP	yes	yes	no	yes	discont.	discont.	QDB			X	X	X	X	Superseded by RPP Plus
TB Wood's	HPR	yes	yes	no	yes	discont.	discont.	QDB			X	X	X		Superseded by RPP Plus
TB Wood's	RPP Plus	yes	yes	no	yes	discont.	discont.	QDB			X	X	X	X	Superseded by Synchronous Plus
TB Wood's	Synchronous Plus	yes	yes	no	yes	current	current	QDB			X	X	X	X	Superseded by Synchronous Plus
TB Wood's	QT Power Chain	yes	yes	no	yes	current	current	QDB			X	X	X	X	Superseded by Synchronous Plus



Helical Offset

Company	Trade Name ®	Supplier		Manufacturer		Status		Mounting Type	Pitches						Comments
		Belt	Sprocket	Belt	Sprocket	Belt	Sprocket		2M	3M	5M	8M	14M	20M	
Goodyear	Eagle PD	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 trademark of Gates Corporation and Taper-lock® which is a registered trademark of Rockwell Automation.
 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