

# Boston Gear Centric Clutch Products

## Quick Selection Guide

### Boston Gear Overload Clutches

Spring Loaded Mechanical Torque Limiters									
Model	Centrigard	LOR	ORC-F	ORC-SA	ORC-SB	ORC-SP	ORC-SM	HOR	WOR
Applications	Packaging Duty	Packaging Duty	Packaging Duty	Packaging Duty	Packaging Duty	Packaging Duty	Packaging Duty	Washdown Duty	Wastewater Duty
Torque Repeatability	+/-10%	+/-10%	+/-10%	+/-10%	+/-10%	+/-10%	+/-10%	+/-10%	+/-10%
Reset Type	Fully Automatic	Fully Automatic	Fully Automatic	Fully Automatic	Semi-Automatic	Manual Reset	Manual Reset	Fully Automatic	Automatic or Manual
Shut down mechanism	Plate style automatic reset	Plate style automatic reset	Plate style automatic reset	Pin style automatic reset	Plate style manual reset	Plate style manual reset	Pin style automatic reset	Plate style automatic reset	Plate style automatic reset
Free wheeling	No	No	No	No	No	Yes	Yes	No	Yes/No
Reset Position	Single	Single	Single	Single	Single	Single	Single	Single	Four
Maximum RPM	1000	1000	500	1800	1800	1800	1800	500	50
Minimum Torque Range (Inch-lbs)	50	200	70	35	35	35	35	25	850
Maximum Torque Range (inch-lbs)	1,200	5,000	10,000	25,000	25,000	25,000	25,000	50,000	30,000
Minimum bore size (inch)	1/2	1/2	1/2	1/2	1/2	1/2	1/2	7/16	3/4
Maximum bore size (inch)	1-1/4	2-3/4	2-3/4	3-15/16	3-15/16	3-15/16	3-15/16	3-5/8	4-1/4
Mounting Options	Sprocket/Pulley	Sprocket/Pulley	Sprocket/Pulley/Couplings	Sprocket/Pulley/Couplings	Sprocket/Pulley/Couplings	Sprocket/Pulley/Couplings	Sprocket/Pulley/Couplings	Sprocket/Pulley/Couplings	Sprocket/Pulley
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**Trig-O-Matic Lite**



**Trig-O-Matic**



**H1600**



**Centrigard**



**H1900**

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### Boston Gear Overload Clutches

Pneumatic Torque Limiters			
Model	POR	PDC	VOR
Applications	High Speed Washdown Duty	Washdown Duty	Washdown Duty
Torque Repeatability	+ -5%	+ -5%	+ -5%
Reset Type	Fully Automatic	Fully Automatic	Fully Automatic
Shut down mechanism	Plate style automatic reset	Plate style automatic reset	Plate style automatic reset
Free wheeling	No	Yes	No
Reset Position	Single	Single	Single
Maximum RPM	3600	1800	1000
Minimum Torque Range (Inch-lbs)	120	300	250
Maximum Torque Range (inch-lbs)	33,000	4,000	10,000
Minimum bore size (inch)	7/16	5/8	5/8
Maximum bore size (inch)	3-1/4	1-3/4	2-3/16
Mounting Options	Sprocket/Pulley/Couplings	Sprocket/Pulley	Sprocket/Pulley
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H2000



Varitorque



PDC

### Centrifugal Clutches

Centrifugal Clutches				
Model	Type A	Type AVL	Type H	Type NLS
Applications	Heavy Duty	Heavy Duty	Heavy Duty	Heavy Duty
Max. HP	2300	2300	800	8360
Max. Bore	7.0	7.0	4-3/4	8.0
Spring Controlled	Yes	Yes	Yes	Yes
Free Engagement	Yes	Yes	No	Yes
Bored to Size	Yes	Yes	Yes	Yes/No
Bushing Mounted	No	No	No	Yes
Vertical Lift Out	No	Yes	No	No
Pulley/PTO Mounted	No	No	Yes	No
Steel Banded	Yes/No	Yes/No	Yes/No	Yes/No
Torque Limiting	Yes	No	No	Yes/No
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Type AVL



Type A



Type NLS



Type H