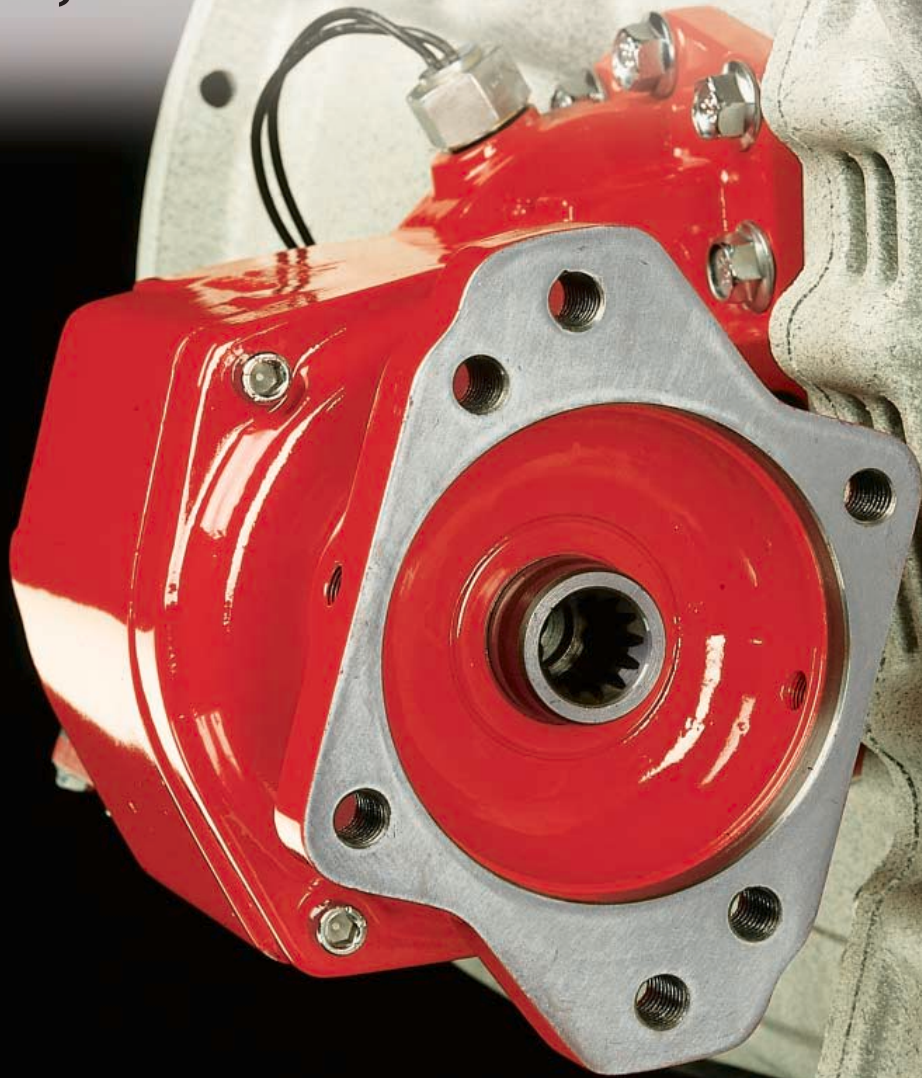


# **CHELSEA<sup>®</sup>**

## **267, 277/278 & 859 Series PTOs**



**267 Series**



**277 Series**



**278 Series**



**859 Series**

## For Allison World Transmissions, Only One PTO Has the Quality to Match – Chelsea

Quality knows quality. That's why Allison chose Chelsea to join their engineers in developing PTOs specifically for the automatic World Transmission. Today, the Chelsea 267, 277/278 and 859 Series remain the only PTOs with quality high enough to meet Allison's tough World Transmission GP3 quality specifications, and carry a two-year warranty.

Chelsea contributed innovations like advanced gear design for increased tooth-contact ratio and quieter operation, and the only 24 position, 360° rotatable flange – the ultimate option for installation convenience and flexibility.

Our electronic overspeed control (12 and 24 volt) is a state-of-the-art Chelsea shift option used with 277/278 and 859 Series PTOs. It protects auxiliary power equipment (PTOs, pumps, and cylinders) by keeping the PTO speed within owner-determined operational limits.

Chelsea's 277/278 Series features the SuperTorque™ option which provides up to 20% more torque capacity than a standard 277/278 Series PTO.

Chelsea's 278 Series features internal lube, six ratios and expanded speed coverage all within an enhanced housing design for maximum transmission clearance when direct mounting a pump.

When you invest in premium quality with Allison automatic transmissions, remember who designs and manufactures the PTOs with quality and performance to match – Chelsea.



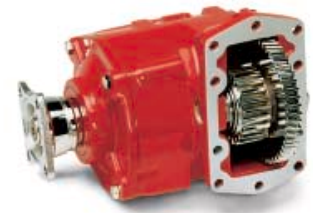
**267 Series**



**277 Series**



**278 Series**



**859 Series**

Series		267	277/278	859
Speed Ratios		B,D,G,M,K,S	B,D,G,M,S,T**	G,M,R,T,W
Torque Rating with pressure lube	(ft lbs)	265 - 335	250 - 335 265 - 402*	285 - 575
Torque Rating with pressure lube	(NM)	359 - 454	339 - 454 359 - 545*	386 - 779
Approximate unit weight	(lbs) (Kg)	35 16	49 22	66 30

\* SuperTorque™ Options

\*\*Only Applies to 278 Series

Order Code	Option Description	267	277/278	859
<b>Lubrication</b>				
P	Pressure Lube	x	x	x
R	Pressure Lube with Solenoid Cap Rotated 120 Degrees		x	x
W	Wet Spline ("AF", "AK" and "RY" output options)	x		
<b>Shifting</b>				
B	12 Volt Electric/Hydraulic		x	x
D	24 Volt Electric/Hydraulic		x	x
G	12 Volt Electric/Hydraulic w/Remote Mounted Solenoid Valve		x	x
H	24 Volt Electric/Hydraulic w/Remote Mounted Solenoid Valve		x	x
K	12 Volt Electric/Hydraulic w/Electronic Overspeed Control		x	x
L	24 Volt Electric/Hydraulic w/Electronic Overspeed Control		x	x
M	Constant Engagement No Shifter	x		
<b>Output</b>				
AB	DIN 120 Flange			x
AC	DIN 100 Flange			x
AF	S.A.E. "B" 2 or 4 Bolt Flange, "BB" Shaft (1.00" 15 -Tooth)	x	x	
AK	S.A.E. "B" 2 Bolt Flange, "B" Shaft (7/8" 13 -Tooth)	x		
AZ	S.A.E. "B" 2 or 4 Bolt Flange, "C" Shaft (1.25" 14 -Tooth)			x
AZ	Non Standard Flange, "C" Shaft (1-1/4" 14 -Tooth)	x		
GA	Rotatable "B" 2 Bolt Flange, "B" Shaft (7/8" 13 -Tooth) (Greaseable)	x		
GB	Rotatable "B" 4 Bolt Flange, "B" Shaft (7/8" 13 -Tooth) (Greaseable)	x		
GF	S.A.E. "B" 2 or 4 Bolt Flange, "BB" Shaft (1.00" 15 -Tooth) (Greaseable)	x		
GH	Rotatable "B" 2 Bolt Flange, "BB" Shaft (1.00" 15 -Tooth) (Greaseable)	x		
GJ	Rotatable "B" 4 Bolt Flange, "BB" Shaft (1.00" 15 -Tooth) (Greaseable)	x		
GK	S.A.E. "B" 2 or 4 Bolt Flange, "B" Shaft (7/8" 13 -Tooth) (Greaseable)	x		
GQ	S.A.E. "B" 2 or 4 Bolt Flange, "B" Shaft (7/8" 13 -Tooth) (Greaseable)	x		
GR	Chelsea Special Pump Mount, "B" Shaft (7/8" 13 -Tooth) (Greaseable)	x		
GY	DIN 5462 Pump Mounting (Greaseable)	x		
GZ	Non Standard Flange, "C" Shaft (1-1/4" 14 -Tooth) (Greaseable)	x		
PA	Special Rotatable S.A.E. "B" 2 Bolt Flange for Parker P Series Sculptured Pump, "B" Shaft (7/8" 13 Tooth)	x	x	
PF	Special Rotatable S.A.E. "B" 2 Bolt Flange for Parker P Series Sculptured Pump, "BB" Shaft (1.00" 15 Tooth)	x	x	
RA	Rotatable "B" 2 Bolt Flange, "B" Shaft (7/8" 13 -Tooth)	x	x	
RB	Rotatable "B" 4 Bolt Flange, "B" Shaft (7/8" 13 -Tooth)	x	x	
RC	Rotatable "A" 2 Bolt Flange, "A" Shaft (5/8" 9 -Tooth)	x		
RD	Rotatable "A" 2 Bolt Flange, "B" Shaft (7/8" 13 -Tooth)	x		
RE	Rotatable "B" 4 Bolt Flange, "BB" Shaft (1.00" 15 - Tooth)	x		
RF	Rotatable "B" 2 Bolt Flange, "BB" Shaft (1.00" 15 -Tooth)	x	x	
RY*	Rotatable DIN 5462 Pump Flange	x		
XD	S.A.E. "A" 2 or 4 Bolt Flange, "A" Shaft (5/8" 9 - Tooth)	x	x	
XE	S.A.E. "A" 2 or 4 Bolt Flange, "A" Shaft (5/8" 9 - Tooth)	x		
XK	S.A.E. "B" 2 or 4 Bolt Flange, "B" Shaft (7/8" 13 -Tooth)	x	x	
XP	Special S.A.E. "A" Pilot 2 or 4 Bolt Flange, "B" Shaft (7/8" 13 -Tooth)		x	
XQ	S.A.E. "B" 2 or 4 Bolt Flange, "B" Shaft (7/8" 13 -Tooth)	x		
XR	Non Standard Flange, "B" Shaft (7/8" 13 - Tooth)	x	x	
XS	S.A.E. "C" 2 or 4 Bolt Flange, "C" Shaft (1.25" 14-Tooth)			x
XV	1-1/2" -10 Spline Shaft with 1410 Flange			x
XX	1-1/4" S.A.E. Tapered Shaft w/keyway	x	x	
XY	DIN 5462 Pump Mounting	x	x	x

\* Must use the "W" Lube Option on the 267 Series for this Output

**Parker Hannifin Corporation**

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