

RP to CBx Key Features



KEY FEATURE	RP	CBx
Mechanism	Heavy duty rack and pinion	Symmetric scotch yoke
Design Pressure	12 barg (174 psi)	12 barg* (174 psi) (Pending confirmation) *Not all FCBx products
Standard Temp. Range	-20 °F to +210 °F (-30 °C to +100 °C)	-20 °F to +200 °F (-30 °C to +95 °C)
Optional Temp. Range	-70 °F to +275 °F (-60 °C to +135 °C)	-54 °F to +350 °F (-50 °C to +180 °C)
Travel Stop Range	+/-4° each end of travel	+/-5° each end of travel
Torque Range	AST up to 3,000 Nm (26,500 lbf-in) SET up to 1,200 Nm (10,600 lbf-in)	AST up to 2,300 Nm (20,300 lbf-in) SET up to 1,100 Nm (9,700 lbf-in)
Certifications	SIL	SIL
	PED 2014/68/EU	PED 2014/68/EU
	Mech IECEx	Mech IECEx
	Mech ATEX 2014/34/EU: II 2 GD	Mech ATEX 2014/34/EU: II 2 GD
	KAZ EAC	KAZ EAC
	UKCA	UKCA (ongoing)
	IP66/67M	IP66/67M
	NEMA 4, 4X, 6	-
	IEC 61508-1÷7:2010 (suitable for use in SIL 3 applications)	IEC 61508-1÷7:2010 (suitable for use in SIL 3 applications)
	-	Lloyd's Register Type Approval
-	ABS Type Approval	
Shell Endurance Signature	Yes	Ongoing
IOGPS707 Endurance Test	Yes	Ongoing
Housing Material (options)	Nodular cast iron (STD) or LT carbon steel	Ductile iron (STD) or LT carbon steel
Internal Cylinder Coating	Electro nickel plating	Xylan fluoropolymer
Tie Bars	External – painted alloy steel (STD) or SS316	Internal center bar – alloy steel, nitrided
Travel Stops (options)	Sursulf carbon steel (STD) or SS316	Zinc-plated carbon steel (STD) or SS316
	Adjustable without end stopper setting modification (MHW)	Adjustable with end stopper setting modification (MHW)