

53PZ37



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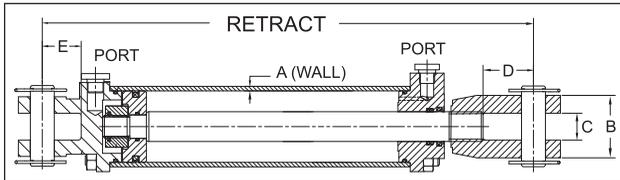


CHIEF Prince
Double-Acting Tie-Rod Cylinders

2500 psi models feature: O-ring seal and vented back-up washers on piston, and U-cup on the gland. 3000 psi models feature: RoyalPlate Plus® coating on all piston rods which offers substantial performance enhancements and outstanding corrosion protection. Precision-honed tubes and ground and polished chromed piston rods. Ductile-iron piston with O-ring seal between piston rod and piston. Urethane U-cup rod seal, metal encased rod wiper (1/2" bore and larger), crown seal on piston, nylon bearing on piston (4", 4 1/2", and 5" bores), and hardened pins (4", 4 1/2", and 5" bores). O-ring seal between tube and ductile-iron butt and gland casting.

Bore Dia.	Stroke Length	Retracted Length	Column Load	Rod Dia.	Max. Pressure	Dimensions (in.)										Mfr. Model	Item No.
						A	B*	C	D	E	F	G	H	J	K		
CHIEF																	
2 in	4 in	14 1/4 in	9420 lb	1 1/8 in	3,000 psi	3/16	SAE 8	1.0002	0.202	6.932	1.253	4.901	1.671	1.060	1 1/2-12	200411TCU3	53PZ37
2 in	8 in	20 1/4 in	9420 lb	1 1/8 in	3,000 psi	3/16	SAE 8	1.0002	0.202	6.932	1.255	4.901	1.671	1.060	1 1/2-12	200811TCU3	53PZ38
2 in	20 in	30 1/4 in	7050 lb	1 1/8 in	3,000 psi	3/16	SAE 8	1.0002	0.202	6.932	1.253	4.901	1.671	1.060	1 1/2-12	202011TCU3	53PZ39
2 1/2 in	8 in	20 1/4 in	14,720 lb	1 1/2 in	3,000 psi	3/16	SAE 8	1.0002	0.602	7.132	1.255	4.901	1.671	1.060	1 1/2-12	250811TCU3	53PZ40
2 1/2 in	12 in	22 1/4 in	14,720 lb	1 1/2 in	3,000 psi	3/16	SAE 8	1.0002	0.602	7.132	1.253	4.901	1.671	1.060	1 1/2-12	251211TCU3	53PZ41
3 in	8 in	20 1/4 in	21,200 lb	1 1/2 in	3,000 psi	3/16	SAE 8	1.0602	0.602	8.272	1.255	3.521	1.671	1.060	1 1/2-12	300812TCU3	53PZ42
3 in	16 in	31 1/2 in	21,200 lb	1 1/2 in	3,000 psi	3/16	SAE 8	1.0602	0.602	8.272	1.258	6.021	1.671	1.060	1 1/2-12	301615TCU3	53PZ43
3 in	24 in	34 1/4 in	16,580 lb	1 1/2 in	3,000 psi	3/16	SAE 8	1.0602	0.602	8.272	1.253	3.071	1.671	1.060	1 1/2-12	302415TCU3	53PZ44
3 1/2 in	8 in	20 1/4 in	28,860 lb	1 1/2 in	3,000 psi	3/16	SAE 8	1.0602	0.002	7.562	1.255	3.521	1.671	1.060	1 1/2-12	350815TCU3	53PZ45
3 1/2 in	16 in	31 1/2 in	22,350 lb	1 1/2 in	3,000 psi	3/16	SAE 8	1.0602	0.002	7.562	1.258	6.021	1.671	1.060	1 1/2-12	351615TCU3	53PZ46
3 1/2 in	8 in	20 1/4 in	37,690 lb	1 1/2 in	3,000 psi	3/16	SAE 8	1.1252	0.002	8.742	1.255	3.721	1.671	1.060	1 1/2-12	400815TCU3	53PZ47
4 in	16 in	31 1/2 in	37,690 lb	2 in	3,000 psi	3/16	SAE 8	1.1252	0.002	8.742	1.258	6.221	1.671	1.060	1 1/2-12	401620TCU3	53PZ48
4 in	24 in	34 1/4 in	37,690 lb	2 in	3,000 psi	3/16	SAE 8	1.1252	0.002	8.742	1.253	3.721	1.671	1.060	1 1/2-12	402420TCU3	53PZ49
5 in	8 in	20 1/4 in	58,900 lb	2 in	3,000 psi	1/4	SAE	121.3782	1.182	9.252	1.254	0.891	2.001	1.130	1 1/2-12	500820TCU3	53PZ50
5 in	16 in	31 1/2 in	58,900 lb	2 in	3,000 psi	1/4	SAE 8	1.3782	1.182	9.252	1.257	3.391	2.001	1.130	1 1/2-12	501620TCU3	53PZ51
5 in	24 in	36 1/4 in	58,900 lb	2 1/4 in	3,000 psi	1/4	SAE 8	1.3782	1.182	9.252	1.254	0.891	2.001	1.130	1 1/2-12	502422TCU4	53PZ52
Prince																	
2 in	4 in	14 1/4 in	9425 lb	1 1/8 in	3,000 psi	3/16	3/4-16	1.015	1 1/8	2 3/8	1 1/8	3 1/2	1.06	1 1/8	1 1/2-12 UNF	B200040ABAAA07B	4HL38
2 in	8 in	20 1/4 in	9425 lb	1 1/8 in	3,000 psi	3/16	3/4-16	1.015	1 1/8	2 3/8	1 1/8	5 1/2	1.06	1 1/8	1 1/2-12 UNF	A200080ABAAA07B	4HL39
2 in	20 in	30 1/4 in	7760 lb	1 1/8 in	3,000 psi	3/16	3/4-16	1.015	1 1/8	2 3/8	1 1/8	3 1/2	1.06	1 1/8	1 1/2-12 UNF	B200200ABAAA07B	4HL40
2 1/2 in	8 in	20 1/4 in	14,730 lb	1 1/4 in	3,000 psi	3/16	3/4-16	1.015	1 1/8	2 1/8	1 1/8	5 1/8	1.06	1 1/8	1 1/2-12 UNF	A250080ABAAA07B	4HL41
2 1/2 in	12 in	22 1/4 in	14,730 lb	1 1/4 in	3,000 psi	3/16	3/4-16	1.015	1 1/8	2 1/8	1 1/8	3 1/8	1.06	1 1/8	1 1/2-12 UNF	B250120ABAAA07B	4HL42
3 in	8 in	20 1/4 in	16,900 lb	1 1/2 in	3,000 psi	3/16	3/4-16	1.015	1 1/8	2 1/8	1 1/8	5 1/4	1.06	1 1/8	1 1/2-12 UNF	A300080ABAAA07B	4HL43
3 in	16 in	31 1/2 in	16,730 lb	1 1/2 in	3,000 psi	3/16	3/4-16	1.015	1 1/8	2 1/8	1 1/8	9	1.06	1 1/8	1 1/2-12 UNF	A300160ABAAA07B	4HL44
3 in	24 in	34 1/4 in	—	1 1/2 in	3,000 psi	3/16	3/4-16	1.015	1 1/8	2 1/8	1 1/8	3 3/4	1.06	1 1/8	1 1/2-12 UNF	B300240ABAAA07B	4HL45
4 in	8 in	20 1/4 in	37,700 lb	1 3/4 in	3,000 psi	3/16	3/4-16	1.015	1 1/4	2 1/8	1 1/8	5 1/4	1.06	1 1/4	1 1/2-12 UNF	A400080ABACA07B	4HL49
4 in	16 in	31 1/2 in	37,700 lb	1 3/4 in	3,000 psi	3/16	3/4-16	1.015	1 1/4	2 1/8	1 1/8	8 1/2	1.06	1 1/4	1 1/2-12 UNF	A400160ABACA07B	4HL50
4 in	24 in	34 1/4 in	33,710 lb	1 3/4 in	3,000 psi	3/16	3/4-16	1.015	1 1/4	2 1/8	1 1/8	3 1/4	1.06	1 1/4	1 1/2-12 UNF	A400240ABACA07B	4HL51
5 in	8 in	20 1/4 in	58,900 lb	2 in	3,000 psi	3/16	3/4-16	1.265	1 1/4	2 3/4	2	4	1.13	1 1/8	1 1/2-12 UNF	B500080ACDDA07B	4HL56
2 1/2 in	8 in	20 1/4 in	Full PSI	1 1/8 in	2,500 psi	1/8	3/4-16	1.015	1 1/8	2 1/8	1 1/8	5 1/8	1.06	1 1/8	1 1/2-12 UNF	SAE-7008	4Z189
3 in	8 in	20 1/4 in	Full PSI	1 1/8 in	2,500 psi	3/16	3/4-16	1.015	1 1/8	2 1/8	1 1/8	5 1/8	1.06	1 1/8	1 1/2-12 UNF	SAE-7108	4Z190
4 in	8 in	20 1/4 in	Full PSI	1 1/2 in	2,500 psi	3/16	3/4-16	1.015	1 1/4	2 1/8	1 1/8	5 1/4	1.06	1 1/4	1 1/2-12 UNF	SAE-8608	4Z192
5 in	8 in	20 1/4 in	Full PSI	1 3/4 in	2,500 psi	1/4	3/4-16	1.265	1 1/4	2 3/4	2	4	1.06	1 1/4	1 1/2-12 UNF	SAE-8208	4Z193

* SAE O-ring.



Double-Acting Tie-Rod Cylinders MAXIM

- Max. working pressure: 2500 psi
- Temp. range: -20° to 220°F

Cylinders feature precision-honed steel tube and ductile-iron piston with high-tensile strength chrome-plated rod. Polypak rod seals. Pins and clips are included. 1" pin dia., except 6FCX8, 6FCZ3, and 6FDC0 are 1 1/4" dia. Black color.

Bore Dia.	Stroke Length	Retracted Length	Rod Dia.	Dimensions (in.)					Mfr. Model	Item No.
				A	B*	C	D	E		
2 in	4 in	14 1/4 in	1 1/8 in	0.189	2.500	1.125	2.125	1.625	218-297	6FC19
2 in	6 in	16 1/4 in	1 1/8 in	0.189	2.500	1.125	2.125	1.625	218-298	6FCU0
2 in	8 in	18 1/4 in	1 1/8 in	0.189	2.500	1.125	2.125	1.625	218-299	6FCU1
2 in	8 in	20 1/4 in	1 1/8 in	0.189	2.500	1.125	2.125	1.625	218-300	6FCU2
2 in	10 in	20 1/4 in	1 1/4 in	0.189	2.500	1.125	2.125	1.625	218-306	6FCU3
2 in	12 in	22 1/4 in	1 1/4 in	0.189	2.500	1.125	2.125	1.625	218-307	6FCU4
2 in	14 in	24 1/4 in	1 1/4 in	0.189	2.500	1.125	2.125	1.625	218-308	6FCU5
2 in	16 in	26 1/4 in	1 1/4 in	0.189	2.500	1.125	2.125	1.625	218-309	6FCU6
2 in	18 in	28 1/4 in	1 1/4 in	0.189	2.500	1.125	2.125	1.625	218-310	6FCU7
2 in	20 in	30 1/4 in	1 1/4 in	0.189	2.500	1.125	2.125	1.625	218-311	6FCU8
2 in	24 in	34 1/4 in	1 1/4 in	0.189	2.500	1.125	2.125	1.625	218-312	6FCU9
2 in	30 in	40 1/4 in	1 1/4 in	0.189	2.500	1.125	2.125	1.625	218-313	6FCV0
2 in	36 in	46 1/4 in	1 1/4 in	0.189	2.500	1.125	2.125	1.625	218-314	6FCV1
2 in	48 in	58 1/4 in	1 1/4 in	0.189	2.500	1.125	2.125	1.625	218-315	6FCV2
2 1/2 in	4 in	14 1/4 in	1 1/8 in	0.189	2.500	1.125	2.125	1.625	218-316	6FCV4
2 1/2 in	6 in	16 1/4 in	1 1/8 in	0.189	2.500	1.125	2.125	1.625	218-317	6FCV5
2 1/2 in	8 in	18 1/4 in	1 1/8 in	0.189	2.500	1.125	2.125	1.625	218-318	6FCV6
2 1/2 in	8 in	20 1/4 in	1 1/8 in	0.189	2.500	1.125	2.125	1.625	218-301	6FCV7

* Pin dia.: 1 1/4" for cylinders with 3" to 4" bore.

Bore Dia.	Stroke Length	Retracted Length	Rod Dia.	Dimensions (in.)					Mfr. Model	Item No.
				A	B*	C	D	E		
2 1/2 in	10 in	20 1/4 in	1 1/4 in	0.189	2.500	1.125	2.125	1.625	218-319	6FCV8
2 1/2 in	12 in	22 1/4 in	1 1/4 in	0.189	2.500	1.125	2.125	1.625	218-320	6FCV9
2 1/2 in	14 in	24 1/4 in	1 1/4 in	0.189	2.500	1.125	2.125	1.625	218-321	6FCW0
2 1/2 in	16 in	26 1/4 in	1 1/4 in	0.189	2.500	1.125	2.125	1.625	218-322	6FCW1
2 1/2 in	18 in	28 1/4 in	1 1/4 in	0.189	2.500	1.125	2.125	1.625	218-323	6FCW2
2 1/2 in	20 in	30 1/4 in	1 1/4 in	0.189	2.500	1.125	2.125	1.625	218-324	6FCW3
2 1/2 in	24 in	34 1/4 in	1 1/4 in	0.189	2.500	1.125	2.125	1.625	218-325	6FCW4
2 1/2 in	30 in	40 1/4 in	1 1/4 in	0.189	2.500	1.125	2.125	1.625	218-329	6FCW5
2 1/2 in	36 in	46 1/4 in	1 1/4 in	0.189	2.500	1.125	2.125	1.625	218-330	6FCW6
2 1/2 in	48 in	58 1/4 in	1 1/4 in	0.189	2.500	1.125	2.125	1.625	218-331	6FCW7
3 in	4 in	14 1/4 in	1 1/4 in	0.189	2.625	1.125	2.125	1.625	218-333	6FCX0
3 in	6 in	16 1/4 in	1 1/4 in	0.189	2.625	1.125	2.125			