



# HYDRAULIC ROTATORS

## CR SERIES

Finn-Rotor is one of the leading manufacturers of hydraulic rotators, and the first company in the world to have developed the rotator type it offers. Thanks to its extensive experience, Finn-Rotor has developed its new CR series of rotators, which combines exceptional quality with competitive pricing.



# HYDRAULIC ROTATORS

CR A

	CR100	CR300;CR304; CR310;CR320	CR400;CR404; CR410	CR500	CR600
Rotation angle	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
Max. pressure [R] bar (psi)	250 (3625)	250 (3625)	250 (3625)	250 (3625)	250 (3625)
Max. pressure [GO] bar (psi)	200 (2900)	200 (2900)	200 (2900)	200 (2900)	200 (2900)
Max. pressure [GC] bar (psi)	300 (4350)	300 (4350)	300 (4350)	300 (4350)	300 (4350)
Displacement cm <sup>3</sup> /rev (in <sup>3</sup> /rev)	139 (11,58)	330 (19,8)	420 (25,2)	465 (27,9)	670 (40,9)
Torque Nm (lbf·ft)	450 (332)	900 (664)	1100 (811)	1400 (1033)	1800 (1328)
Max. axial load static kN (lbf)	10 (2248)	30 (6744)	40 (8992)	55 (12365)	60 (13487)
Max. axial load dynamic kN (lbf)	5 (1124)	15 (3372)	20 (4496)	25 (5620)	30 (6744)
Weight kg (lb)	10 (22)	17 (37,4)	23 (50,6)	28 (61,6)	38 (83,6) [Model W]
Weight [304/310/320/410] kg (lb)	-	16 (35,2)	22 (48,4)	-	41 (90,2) [Model X]
Connections	G 1/4"	G3/8", JIC8	G3/8", JIC8	G 3/8"	G1/2"
Req. oil flow lpm (USgpm)	10 (2,64)	20 (5,28)	20 (5,28)	20 (5,28)	20 (5,28)



# HYDRAULIC ROTATORS

CR F

	CR300F	CR400F	CR400F A68	CR500F
Rotation angle	Unlimited	Unlimited	Unlimited	Unlimited
Max. pressure [R] bar (psi)	250 (3625)	250 (3625)	250 (3625)	250 (3625)
Max. pressure [GO] bar (psi)	200 (2900)	200 (2900)	200 (2900)	200 (2900)
Max. pressure [GC] bar (psi)	300 (4350)	300 (4350)	300 (4350)	300 (4350)
Displacement cm <sup>3</sup> /rev (in <sup>3</sup> /rev)	330 (20,1)	420 (25,6)	420 (25,6)	465 (28,4)
Torque Nm (lbf·ft)	900 (664)	1100 (811)	1100 (811)	1400 (1033)
Max. axial load static kN (lbf)	30 (6744)	40 (8992)	50 (11241)	55 (12365)
Max. axial load dynamic kN (lbf)	15 (3372)	20 (4496)	25 (5620)	25 (5620)
Weight kg (lb)	22 (48,4)	28 (61,6)	30 (66)	33 (72,6)
Connections top	G3/8"	G3/8"	G3/8"	G3/8"
Connections bottom	G1/4"	G3/8"	G3/8"	G3/8"
Req. oil flow lpm (USgpm)	20 (5,28)	20 (5,28)	20 (5,28)	20 (5,28)



# HYDRAULIC ROTATORS

CR F

	CR600 F173	CR600 B173
Rotation angle	Unlimited	Unlimited
Max. pressure [R] bar (psi)	250 (3625)	250 (3625)
Max. pressure [GO] bar (psi)	200 (2900)	200 (2900)
Max. pressure [GC] bar (psi)	300 (4350)	300 (4350)
Displacement cm <sup>3</sup> /rev (in <sup>3</sup> /rev)	670 (40,9)	670 (40,9)
Torque Nm (lbf·ft)	1800 (1328)	1800 (1328)
Max. axial load static kN (lbf)	60 (13489)	80 (17985)
Max. axial load dynamic kN (lbf)	30 (6744)	40 (8992)
Weight W-Model kg (lb)	48 (106)	45 (99)
Weight X-Model kg (lb)	50 (110)	48 (105,6)
Connections top	G1/2"	G1/2"
Connections bottom	G1/2"	G1/2"
Req. oil flow lpm (USgpm)	20 (5,28)	20 (5,28)



# HYDRAULIC ROTATORS

CR H

	CR800H	CR1000H	CR1200H	CR1600H
Rotation angle	Unlimited	Unlimited	Unlimited	Unlimited
Max. pressure [R] bar (psi)	250 (3625)	250 (3625)	250 (3625)	250 (3625)
Max. pressure [GO] bar (psi)	300 (4350)	300 (4350)	300 (4350)	300 (4350)
Max. pressure [GC] bar (psi)	300 (4350)	300 (4350)	300 (4350)	300 (4350)
Displacement cm <sup>3</sup> /rev (in <sup>3</sup> /rev)	670 (40,9)	810 (49)	949 (57)	1265 (77,2)
Torque Nm (lbf·ft)	2000 (1475)	2700 (1991)	2900 (2139)	3600 (2655)
Max. axial load static kN (lbf)	80 (17985)	100 (22481)	120 (26911)	160 (35970)
Max. axial load static [pull] kN (lbf)	-40 (-8992)	-80 (-17985)	-90 (-20233)	-90 (-20233)
Max. axial load dynamic kN (lbf)	40 (8992)	50 (11241)	60 (13489)	80 (17985)
Max. axial load dynamic [pull] kN (lbf)	-20 (-4496)	-40 (-8992)	-45 (-10116)	-45 (-10116)
Weight W-Model kg (lb)	51 (112,2)	64 (140,8)	76 (167,2)	78 (171,6)
Weight X-Model	54 (118,8)	67 (147,4)	79 (173,8)	81 (178,2)
Connections	G1/2"	G1/2"	G1/2"	G1/2"
Req. oil flow lpm (USgpm)	25 (6,6)	25 (6,6)	25 (6,6)	30 (7,9)



# HYDRAULIC ROTATORS

CR M

	CR800M	CR1000M	CR1200M	CR1600M
Rotation angle	Unlimited	Unlimited	Unlimited	Unlimited
Max. pressure [R] bar (psi)	250 (3625)	250 (3625)	250 (3625)	250 (3625)
Displacement cm <sup>3</sup> /rev (in <sup>3</sup> /rev)	670 (40,9)	810 (49)	949 (57)	1265 (77,2)
Torque Nm (lbf·ft)	2000 (1475)	2700 (1991)	2900 (2139)	3600 (2655)
Max. axial load static kN (lbf)	80 (17985)	100 (22481)	120 (26911)	160 (35970)
Max. axial load static [pull] kN (lbf)	-40 (-8992)	-80 (-17985)	-90 (-20233)	-90 (-20233)
Max. axial load dynamic kN (lbf)	40 (8992)	50 (11241)	60 (13489)	80 (17985)
Max. axial load dynamic [pull] kN (lbf)	-20 (-4496)	-40 (-8992)	-45 (-10116)	-45 (-10116)
Weight kg (lb)	48 (105,6)	61 (134,2)	73 (160,6)	75 (165)
Connections	G1/2"	G1/2"	G1/2"	G1/2"
Req. oil flow lpm (USgpm)	25 (6,6)	25 (6,6)	25 (6,6)	35 (9,2)



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