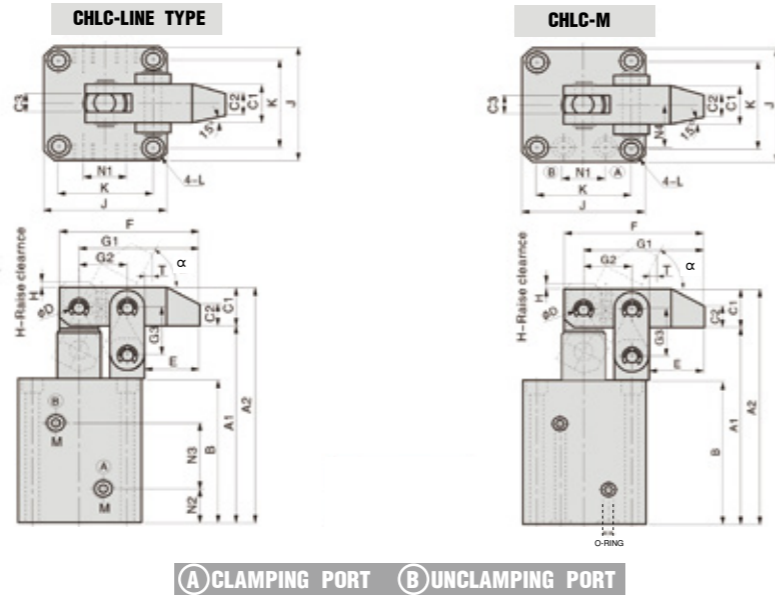


# CHLC-HYDRAULIC LEVERAGE CLAMP



(A) CLAMPING PORT (B) UNCLAMPING PORT

## FEATURES

The clamp structure of this model is based on the lever principle: it will be tightened as piston pushing out. The clamping force is stronger than the swing clamp. The parts are installed outside the cylinder barrel for maintaining easily. The cylinder barrel and clamp structure are made of carbon steel. It is firm, durable and long-lived to use. The material of the piston is 45 steel, heat treatment, chrome plated.

Max.operating pressure 50 bar  
Min: operating pressure 10 bar  
Double acting

## NOTE

When you need to increase the length of the clamping arm, please don't exceed 1.5 times of the original length.

## ORDERING INDICATION

CHLC - MF 25 A

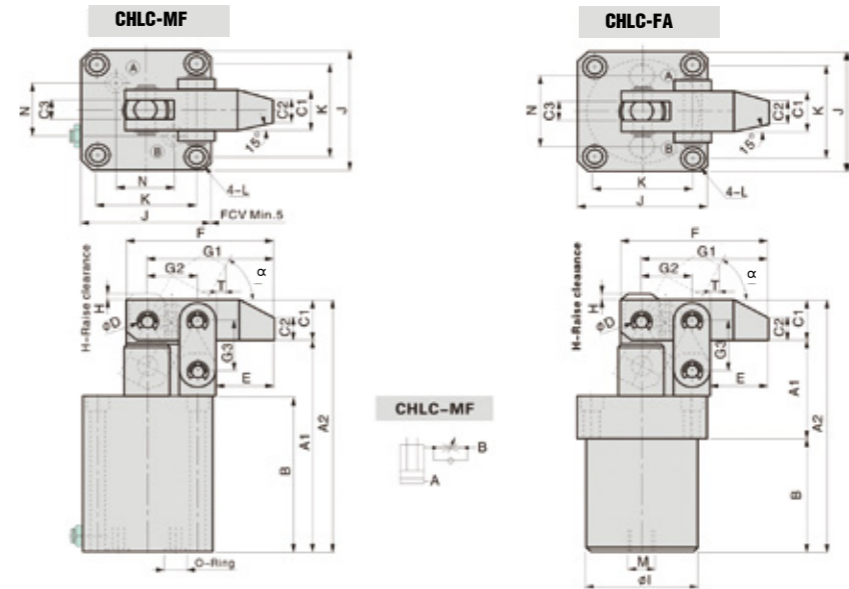
<b>CHLC</b>	Series	CHLC
	Blank: Line type	
<b>MF</b>	Type	M: Manifold type MF: Manifold with flow control FA: Flange type FAM: Flange with manifold FAMT: Flange with flow control
	Hydraulic cylinder inside diameter	φ25, φ32, φ40, φ50
	A integrated	φ63

Unit:mm

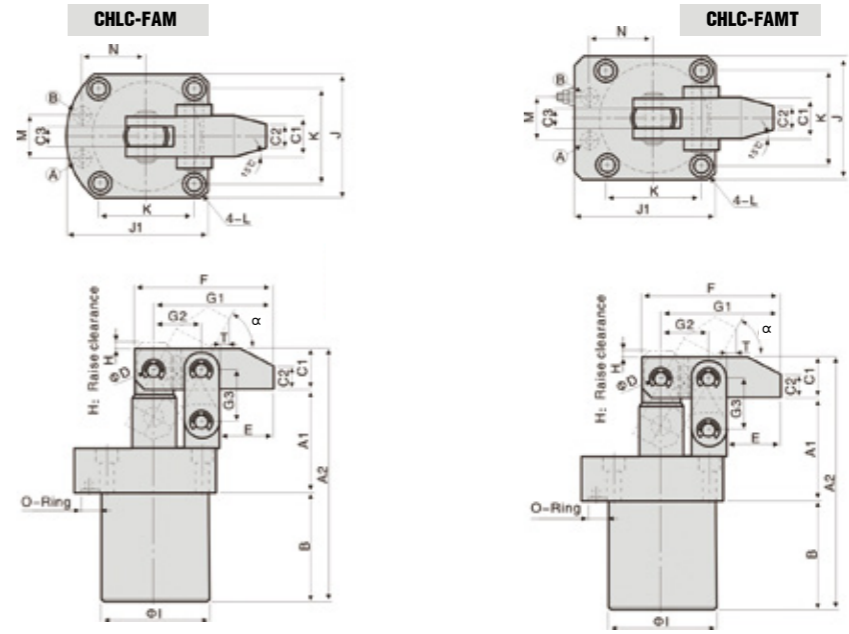
MODEL	CLAMPING FORCE AT 50 bar (KN)	CLAMPING STROKE(mm)	TOTAL STROKE(mm)	OIL CAPACITY CLAMP(cm <sup>3</sup> )	OIL CAPACITY UNCLAMP(cm <sup>3</sup> )	EFF.PISTON AREA CLAMP(cm <sup>2</sup> )	EFF.PISTON AREA UNCLAMP(cm <sup>2</sup> )	RANGE OF TEMPERATURE(°C)
CHLC-25	1.67	22	25	12.28	5.93	4.91	2.37	-10~+70°C
CHLC-32	2.73	22	25	20.10	12.25	8.04	4.9	-10~+70°C
CHLC-40	4.16	26	30	37.68	25.86	12.56	8.62	-10~+70°C
CHLC-50	6.49	30	34	66.74	45.80	19.63	13.47	-10~+70°C
CHLC-63	9.86	36	40	124.64	85.04	31.16	21.26	-10~+70°C

MODEL	A1	A2	B	C1	C2	C3	φD	E	F	G1	G2	G3	H	J	K	L	M	N1	N2	N3	N4	O-Ring	α	T
CHLC-25	103	122	76	□19	11	9	φ8	25	64	55	22	24	3	55	42	φ6.8-φ10.5*6.5D	PT1/8	-	17	33	-	-	61°	4
CHLC-M25	103	122	76	□19	11	9	φ8	25	64	55	22	24	3	55	42	φ6.8-φ10.5*6.5D	-	18	-	-	20	P7	61°	4
CHLC-32	112	131	85	□19	11	9	φ8	25	64	55	22	24	3	57	44	φ6.8-φ10.5*6.5D	PT1/8	-	19	38	-	-	61°	5
CHLC-M32	112	131	85	□19	11	9	φ8	25	64	55	22	24	3	57	44	φ6.8-φ10.5*6.5D	-	22	-	-	22	P7	61°	5
CHLC-40	122	144	90	□22	13	10	φ10	30	77	66	26	29	4	69	52	φ9-φ14*9D	PT1/4	-	19	40	-	-	61°	5.5
CHLC-M40	122	144	90	□22	13	10	φ10	30	77	66	26	29	4	69	52	φ9-φ14*9D	-	26	-	-	26	P8	61°	5.5
CHLC-50	137	162	100	□25	15	11	φ12	35.5	90	77	30	33	4	75	58	φ9-φ14*9D	PT1/4	-	21.5	45	-	-	61°	7.5
CHLC-M50	137	162	100	□25	15	11	φ12	35.5	90	77	30	33	4	75	58	φ9-φ14*9D	-	32	-	-	29	P8	61°	7.5
CHLC-63	155	187	111	□32	19	15	φ15	43	110	94	36	39	4	96	75	φ11-φ18*11D	PT1/4	-	22	52	-	-	66°	2
CHLC-M63	155	187	111	□32	19	15	φ15	43	110	94	36	39	4	96	75	φ11-φ18*11D	-	38	-	-	38	P9	66°	2

# HYDRAULIC CLAMPING SYSTEM



(A) CLAMPING PORT (B) UNCLAMPING PORT



(A) CLAMPING PORT (B) UNCLAMPING PORT

MODEL	A1	A2	B	C1	C2	C3	φD	E	F	G1	G2	G3	H	φI	J	J1	K	L	M	N	O-Ring	α	T
CHLC-MF25	112	131	85	□19	11	9	φ8	25	64	55	22	24	3	-	55	-	42	φ6.8-φ10.5*6.5D	-	19	P7	61°	4
CHLC-MF32	115	134	88	□19	11	9	φ8	25	64	55	22	24	3	-	57	-	44	φ6.8-φ10.5*6.5D	-	21	P7	52°	11
CHLC-MF40	130	152	98	□22	13	10	φ10	30	77	66	26	29	4	-	69	-	52	φ9-φ14*9D	-	23	P9	58°	7.5
CHLC-MF50	145	170	108	□25	15	11	φ12	35.5	90	77	30	33	4	-	75	-	58	φ9-φ14*9D	-	28	P9	61°	7.5
CHLC-FA25	49	131	63	□19	11	9	φ8	25	64	55	22	24	3	φ45	55	-	42	φ6.8-φ10.5*6.5D	PT1/4	25	-	61°	4
CHLC-FA32	52	134	63	□19	11	9	φ8	25	64	55	22	24	3	φ50	57	-	44	φ6.8-φ10.5*6.5D	PT1/4	32	-	61°	5
CHLC-FA40	57	152	73	□22	13	10	φ10	30	77	66	26	29	4	φ58	69	-	52	φ9-φ14*9D	PT1/4	40	-	61°	5.5
CHLC-FA50	67	170	78	□25	15	11	φ12	35.5	90	77	30	33	4	φ68	75	-	58	φ9-φ14*9D	PT1/4	50	-	61°	7.5
CHLC-FAM25	49	122	54	□19	11	9	φ8	25	64	55	22	24	3	φ45	55	64	42	φ6.8-φ10.5*6.5D	20	28	P6	61°	4
CHLC-FAM32	52	131	60	□19	11	9	φ8	25	64	55	22	24	3	φ50	57	65.5	44	φ6.8-φ10.5*6.5D	22	29	P6	61°	5
CHLC-FAM40	57	144	65	□22	13	10	φ10	30	77	66	26	29	4	φ58	69	79	52	φ9-φ13.5*9D	25	34.5	P9	61°	5.5
CHLC-FAM50	67	162	70	□25	15	11	φ12	35.5	90	77	30	33	4	φ68	75	87	58	φ9-φ13.5*9D	30	39	P9	61°	7.5
CHLC-FAMT25	49	122	54	□19	11	9	φ8	25	64	55	22	24	3	φ45	55	64	42	φ6.8-φ10.5*6.5D	20	28	P6	61°	4
CHLC-FAMT32	52	131	60	□19	11	9	φ8	25	64	55	22	24	3	φ50	57	65.5	44	φ6.8-φ10.5*6.5D	22	29	P6	61°	5
CHLC-FAMT40	57	144	65	□22	13	10	φ10	30	77	66	26	29	4	φ58	69	79	52	φ9-φ13.5*9D	25	34.5	P9	61°	5.5
CHLC-FAMT50	67	162	70	□25	15	11	φ12	35.5	90	77	30	33	4	φ68	75	87	58	φ9-φ13.5*9D	30	39	P9	61°	7.5

Unit:mm