

CHTB-HYDRAULIC PUSH PULL CYLINDER



FEATURES

Compact construction for space saving. Ideal for application in a restricted space.

Standardized specifications. Direct installation without need of any further accessories for saving cost.

The cylinder barrel is manufactured from structural carbon steel. Internal surface is specially treated.

Smoothness and long service life.

Axial and side manifold type without upgrading pipe made the cylinder appearance better.

ORDERING INDICATION

CHTB – SD 32 X 20 N

CHTB	Series	CHTB
SD	Mounting type	SD: Axial single end rod type
		SW: Axial double end rod type
		SDMA: Axial front manifold type
		SDMB: Axial back manifold type
		LA: Lateral single end rod type
		LW: Lateral double end rod type
		LAM: Lateral manifold single end rod type
32	Hydraulic cylinder inside diameter	φ20, φ25, φ32, φ40, φ50
		φ63, φ80
20	Standard stroke	Please refer to the <stroke specification>
N	Rod end type	N:Female thread N
		W:Male thread W

Max: operating pressure 140 bar
Min: operating pressure 5 bar

NOTE

You are welcome to order the special strokes under request.

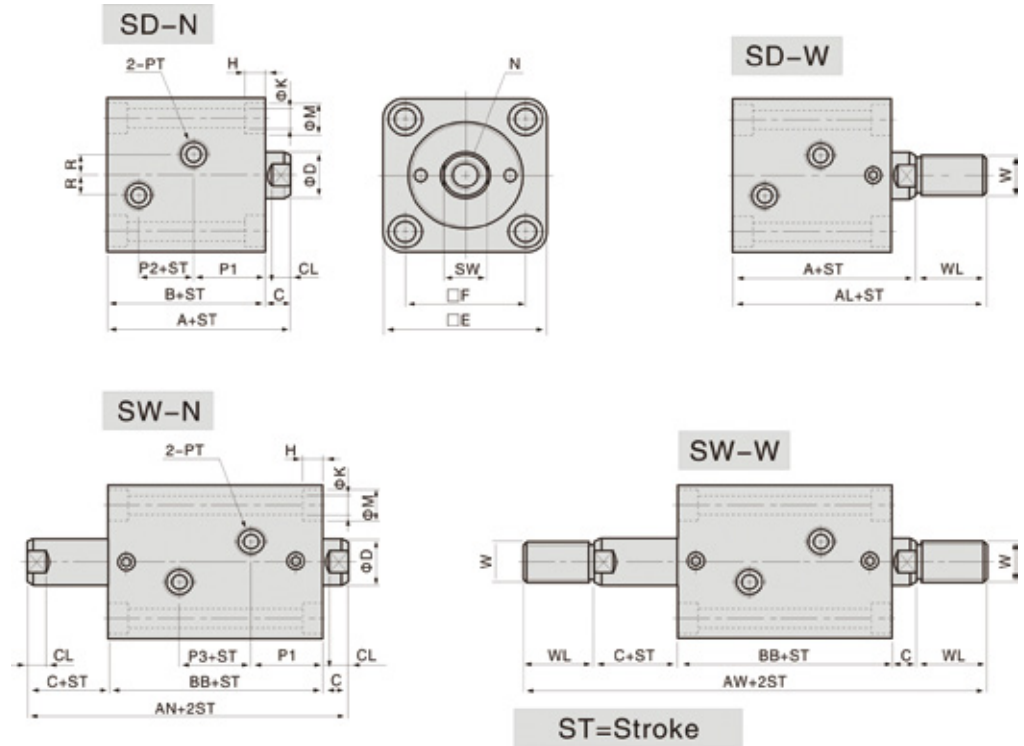


CHTM - SD 32 X 20 N - S1

CHTM	Series	CHTM: Magnetic-type
SD	Mounting type	SD: Single end rod type SW: Double end rod type
32	Hydraulic cylinder inside diameter	φ 32, φ 40, φ 50, φ 63, φ 80
20	Standard stroke	10,20,30,40,50
N	Rod end type	N:Female thread N W:Male thread W
S1	Sensor switch	1Pcs of S1, 2Pcs of S2 Pressure DC 4-24V AC4-120V Electricity 5-40mA

HYDRAULIC CYLINDER INSIDE DIAMETER(mm)	PISTON DIAMETER(mm)	PRESSURE AREA(cm ²)		OPERATION PRESSURE(bar)										RANGE OF TEMPERATURE(°C)
				10		35		70		100		140		
		F1	F2	F1	F2	F1	F2	F1	F2	F1	F2	F1	F2	-10~+70 °C
φ 20	φ 12	3.14	2.01	31	20	110	71	220	141	314	201	440	281	-10~+70 °C
φ 25	φ 14	4.91	3.37	49	34	172	118	344	236	491	337	687	472	-10~+70 °C
φ 32	φ 20	8.04	4.9	80	49	281	172	563	343	804	490	1126	686	-10~+70 °C
φ 40	φ 25	12.57	7.66	126	77	440	268	880	536	1257	766	1760	1072	-10~+70 °C
φ 50	φ 30	19.64	12.57	196	126	687	440	1375	880	1964	1257	2750	1760	-10~+70 °C
φ 63	φ 35	31.17	21.55	312	216	1091	754	2182	1509	3117	2155	4364	3017	-10~+70 °C
φ 80	φ 45	50.27	34.37	503	344	1759	1203	3519	2406	5027	3437	7038	4812	-10~+70 °C

HYDRAULIC CLAMPING SYSTEM



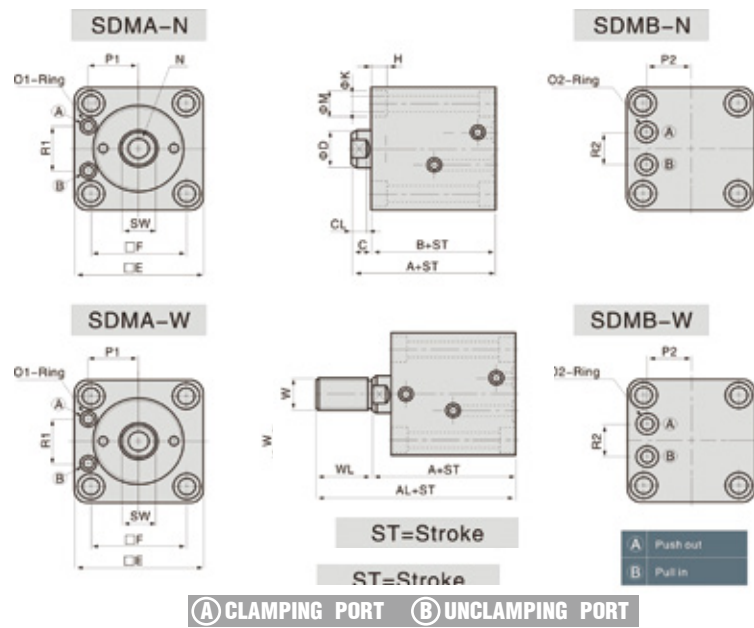
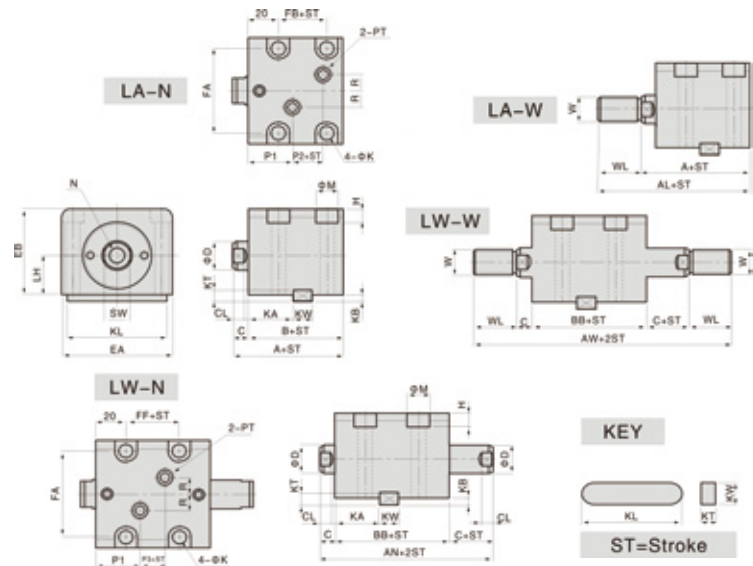
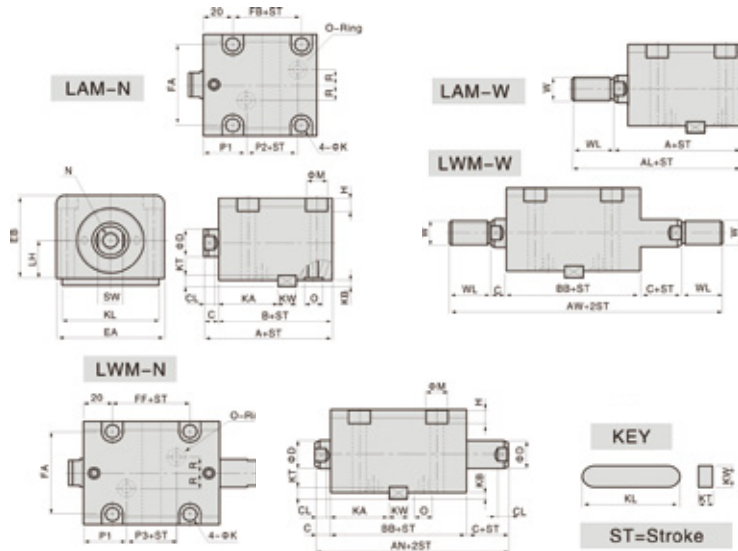
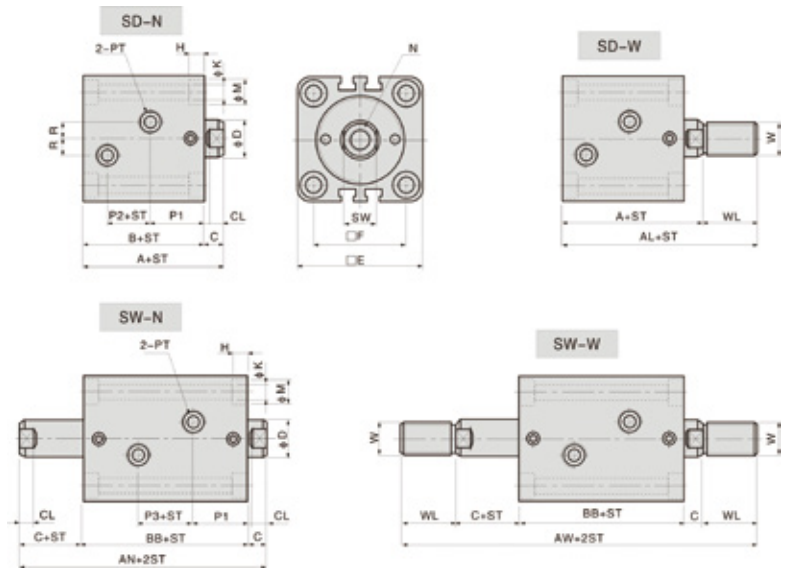
CHTB Hydraulic axial mounting type SD&SW

Unit:mm

BORE	A	AL	AN	AW	B	BB	C	CL	D	SW	E	F	H	K	M	N	W	WL	P1	P2	P3	R	PT
φ20	51	71	—	—	43	—	8	6	12	10	42	30	5.5	5.6	9	M8*1.25*12D	M10*1.25	20	22.5	11	—	5	1/8
φ25	53	75	—	—	45	—	8	6	14	12	48	36	5.5	5.6	9	M10*1.5*15D	M12*1.25	22	23	12	—	5	1/8
φ32	64	89	89	139	54	69	10	7	20	17	62	47	6.5	6.8	11	M12*1.75*15D	M16*1.5	25	28	14	13	10	1/4
φ40	65	95	90	150	55	70	10	7	25	22	70	52	9	9	14	M16*2.0*20D	M22*1.5	30	28	15	14	10	1/4
φ50	71	106	97	167	60	75	11	8	30	27	80	58	11	11	18	M20*2.5*25D	M26*1.5	35	29.5	18	16	10	1/4
φ63	80	120	108	188	67	82	13	10	35	32	94	69	13	13	20	M27*3.0*35D	M30*1.5	40	31	20	20	10	3/8
φ80	95	140	127	217	78	93	17	14	45	41	114	86	15	15	22	M30*3.5*35D	M39*1.5	45	33	27	27	15	3/8

Specification

	TYPE	BORE STROKE	SD SDM								SW LA LW				LAM LWM			
			φ 20	φ 25	φ 32	φ 40	φ 50	φ 63	φ 80	φ 32	φ 40	φ 50	φ 63	φ 32	φ 40	φ 50	φ 63	
5		—	—	●	●	●	●	●	—	—	—	—	—	—	—	—		
10		●	●	●	●	●	●	●	●	●	●	●	—	—	—	—		
15		—	—	●	●	●	●	●	—	—	—	—	—	—	—	—		
20		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
25		—	—	●	●	●	●	●	—	—	—	—	—	—	—	—		
30		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
40		—	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
50		—	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
Remark: Please extend 5mm of the cylinder body length with "—" mark.																		



CHTB Hydraulic manifold type SDMA & SDBM.

Unit:mm

BORE	A	AL	B	C	CL	D	SW	E	F	H	K	M	N	W	WL	SDMA			SDMB		
																P1	R1	O1	P2	R2	O2
φ20	51	71	43	8	6	12	10	42	30	5.5	5.6	9	M8*1.25*12D	M10*1.25	20	16.5	13	P3	13	11	P5
φ25	53	75	45	8	6	14	12	48	36	5.5	5.6	9	M10*1.5*15D	M12*1.25	22	19.5	18	P4	16	13	P7
φ32	64	89	54	10	7	20	17	62	47	6.5	6.8	11	M12*1.75*15D	M16*1.5	25	24	24	P6	20	20	P9
φ40	65	95	55	10	7	25	22	70	52	9	9	14	M16*2.0*20D	M22*1.5	30	27	26	P6	24	20	P9
φ50	71	106	60	11	8	30	27	80	58	11	11	18	M20*2.5*25D	M26*1.5	35	32	27	P6	29	20	P9
φ63	80	120	67	13	10	35	32	94	69	13	13	20	M27*3.0*35D	M30*1.5	40	38	35	P8	35	26	P11
φ80	95	140	78	17	14	45	41	114	86	15	15	22	M30*3.5*35D	M39*1.5	45	47	45	P11	44	30	P11

CHTB Hydraulic manifold type LAM & LWM.

BORE	A	AL	AN	AW	B	BB	C	CL	D	SW	EA	EB	LH	FA	FB	FF	H	K	M	N	W	WL	P1	P2	P3	R	O	KW	KT	KL	KA	KB
32	64	89	89	139	54	69	10	7	20	17	70	56	25	56	24	32	9	9	14	M12*1.75*15D	M16*1.5	25	28	14	13	10	P9	12	8	63	38	4.5
40	65	95	90	150	55	70	10	7	25	22	80	64	29	62	23	32	11	11	18	M16*2.0*20D	M22*1.5	30	28	15	14	10	P9	12	8	70	38	4.5
50	71	106	97	167	60	75	11	8	30	27	94	74	34	74	27	35	13	13	20	M20*2.5*25D	M26*1.5	35	29.5	18	16	10	P11	14	9	80	40	5
63	80	120	108	188	67	82	13	10	35	32	114	89	42	90	32	42	15	15	22	M27*3.0*35D	M30*1.5	40	31	20	20	10	P11	16	10	100	42	5.5

CHTB Hydraulic side mounting type LA & LW.

Unit:mm

BORE	A	AL	AN	AW	B	BB	C	CL	D	SW	EA	EB	LH	FA	FB	FF	H	K	M	N	W	WL	P1	P2	P3	R	PT	KW	KT	KL	KA	KB
φ32	64	89	89	139	54	69	10	7	20	17	70	56	25	56	24	32	9	9	14	M12*1.75*15D	M16*1.5	25	28	14	13	10	1/4	12	8	63	28	4.5
φ40	65	95	90	150	55	70	10	7	25	22	80	64	29	62	23	32	11	11	18	M16*2.0*20D	M22*1.5	30	28	15	14	10	1/4	12	8	70	28	4.5
φ50	71	106	97	167	60	75	11	8	30	27	94	74	34	74	27	35	13	13	20	M20*2.5*25D	M26*1.5	35	29.5	18	16	10	1/4	14	9	80	29	5
φ63	80	120	108	188	67	82	13	10	35	32	114	89	42	90	32	42	15	15	22	M27*3.0*35D	M30*1.5	40	31	20	20	10	1/4	16	10	100	31	5.5

CHTM Hydraulic magnetic type SD & SW.

BORE	A	AL	AN	AW	B	BB	C	CL	D	SW	E	F	H	K	M	N	W	WL	P1	P2	P3	R	PT
φ32	83	108	104	154	73	84	10	7	20	17	62	47	6.5	6.8	11	M12*1.75*15D	M16*1.5	25	27	29	30	10	1/4
φ40	80	110	101	161	70	81	10	7	25	21	70	52	9	9	14	M16*2.0*20D	M22*1.5	30	27	27	27	10	1/4
φ50	86	121	109	179	75	87	11	8	30	27	80	58	11	11	18	M20*2.5*25D	M24*1.5	35	28	31	31	10	1/4
φ63	97	142	120	210	84	94	13	10	35	32	94	69	13	13	20	M27*3.0*35D	M30*1.5	45	30	36	34	10	1/4
φ80	112	167	140	250	95	106	17	14	40	37	114	86	15	15	22	M30*3.5*35D	M36*1.5	55	35	38	36	15	3/8