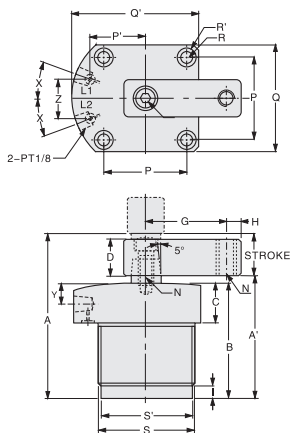


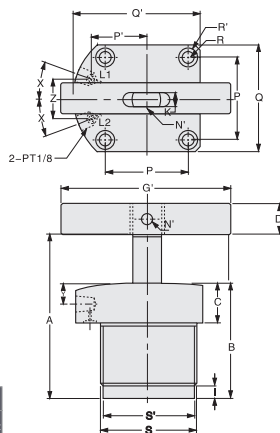
Single side swing clamp



HNU

注：上圖為轉角90°鬆開狀態

Double side swing clamp



HNUD

外形尺寸表 Dimension table

單位 (Unit) :mm

MODEL ITEM	ST	A	A'	B	C	D	G	H	I	N	P/P'	Q/Q'	R/R'	S	S'	X	Y	Z
HNU-32	29	111	82	76	25	25	55	10	9	M10×1.5	44/30	56/69	Φ6.5/Φ10.5	M50x1.5	Φ48	22.5"	12.5	24.9
HNU-40	29	1136	84.6	80	27	25	55	10	9	M10×1.5	48/31.4	62/71.5	Φ6.5/Φ10.5	M55x1.5	Φ53	22.5"	14	26
HNU-50	29	1145	85.5	80	27	25	55	10	9	M10×1.5	57/37.6	74/87	Φ8.5/Φ14	M65x1.5	Φ63	20"	14	27.4
HNU-63	29	118	89	85	32	32	75	11	9	M12×1.75	70/46	88/105.5	Φ11/Φ16.5	M80x1.5	Φ77	22.5"	19	38

MODEL ITEM	ST	A	A'	B	C	D'	G'	I	K	N'	P/P'	Q/Q'	R/R'	S	S'	X	Y	Z
HNUD-32	29	111	82	76	25	22	120	9	10	Φ8	44/30	56/69	Φ6.5/Φ10.5	M50x1.5	Φ48	22.5"	12.5	24.9
HNUD-40	29	1136	84.6	80	27	22	120	9	10	Φ8	48/31.4	62/71.5	Φ6.5/Φ10.5	M55x1.5	Φ53	22.5"	14	26
HNUD-50	29	1145	85.5	80	27	22	120	9	10	Φ8	57/37.6	74/87	Φ8.5/Φ14	M65x1.5	Φ63	20"	14	27.4
HNUD-63	29	118	89	85	32	25	140	9	12	Φ10	70/46	88/105.5	Φ11/Φ16.5	M80x1.5	Φ77	22.5"	19	38

產品簡介

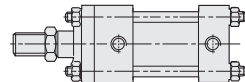
- ◆體積小，節省空間，安裝空間受限制的最佳選擇。
- ◆標準化規格，直接安裝，不需其它配件，降低成本。
- ◆缸體材質採用機械構造用炭素鋼，內壁特殊加工處理，表面光滑，使用壽命長。
- ◆軸向，側向油路板型免配管，提升整體美觀。

傳統油缸與薄型缸總長度之比較
A comparison of length between the traditional hydraulic cylinder and thin type cylinder.



Introduction of product

- ◆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. Beautiful appearance.



特性資料 Specification

安裝型式 Installation type	軸向 Axial	單軸SD;雙軸SW Single end rod SD;Double end rod SW
	側向 Side	單軸LA;雙軸LW Sing end rod LA;Double end rod LW
使用壓力範圍 Range of pressure (kg/cm ²)	5~140kg/cm ²	
使用速度範圍 The range of speed	8~100mm/sec	
使用溫度範圍 The range of temperature	-10~+60°C	
使用液體 Fluid	已濾清之標準液壓油 Filtered oil	
作動方式 Acting type	復動式 Double acting	
油缸本體材質 Material of cylinder barrel	碳素鋼 Carbon steel	

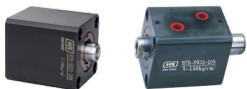
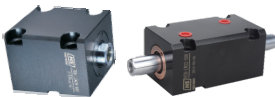
理論出力表 Clamping force

F1:推出 Push out
F2:拉入 Pull in



單位 (Unit) :mm

缸體內徑 Bore of cylinder (mm)	活塞桿徑 Bore of piston (mm)	受壓面積 Pressure area(cm ²)		操作壓力 Operation pressure(kg/cm ²)											
				10		35		70		100		140			
		F1	F2	F1	F2	F1	F2	F1	F2	F1	F2	F1	F2		
Φ20	Φ12	3.14	2.01	31	20	110	71	220	141	314	201	440	281		
Φ25	Φ14	4.91	3.37	49	34	172	118	344	236	491	337	687	472		
Φ32	Φ20	8.04	4.9	80	49	281	172	563	343	804	490	1126	686		
Φ40	Φ25	12.57	7.66	126	77	440	268	880	536	1257	766	1760	1072		
Φ50	Φ30	19.64	12.57	196	126	687	440	1375	880	1964	1257	2750	1760		
Φ63	Φ35	31.17	21.55	312	216	1091	754	2182	1509	3117	2155	4364	3017		
Φ80	Φ45	50.27	34.37	503	344	1759	1203	3519	2406	5027	3437	7038	4812		

SD 軸向安裝型(單軸)Φ20-Φ80
SD Axial Mounting Type(Single End Rod)SW 軸向安裝型(雙軸)Φ32-Φ80
SW Axial Mounting Type(Double End Rod)SDM-A 軸向前油路板型 Φ20-Φ80
SDM-A Axial Front Manifold TypeHTM 薄型感應油壓缸 Φ32-Φ80
HTM Magnetic-type hydraulic cylinderLA 側向安裝型(單軸)Φ32-Φ63
LA Side Mounting Type(Single End Rod)LW 側向安裝型(雙軸)Φ32-Φ63
LW Side Mounting Type(Double End Rod)LWM 側向油路板型(雙軸)Φ32-Φ63
LWM Side Mounting Type(Double End Rod)軸端型式接受訂制, 訂購時請提供尺寸 Φ20-Φ80
Rod end type as request

行程規格表 Stroke specifications

TYPE BORE	SD SDM		SD SDM						SW LA LW				LAM LWM			
	φ20	φ25	φ32	φ40	φ50	φ63	φ80	φ32	φ40	φ50	φ63	φ32	φ40	φ50	φ63	
5	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
10	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
15	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
20	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
25	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
30	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
40	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
50	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	

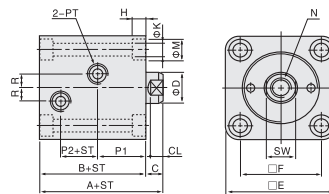
訂購標示法 Ordering Code

HTB - SD 32 X 20 N

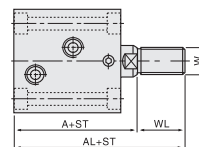
① ② ③ ④ ⑤

①	系列號 Series	HTB
②	安裝型式 Mounting type	SD 軸向單軸 Single end rod type SW 軸向雙軸 Double end rod type
③	缸體內徑 Bore of cylinder	Φ20, Φ25, Φ32, Φ40, Φ50, Φ63, Φ80
④	行程 Standard stroke	請參閱行程規格表 Please refer to the stroke specification
⑤	軸端形式 Rod end type	內牙N: Female thread N 外牙W: Male thread W

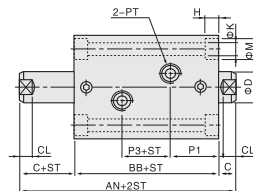
SD-N



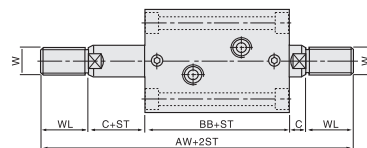
SD-W



SW-N



SW-W



ST=Stroke

外形尺寸表 Dimension table

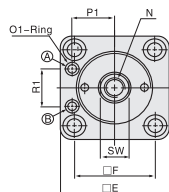
Bore	A	AL	AN	AW	B	BB	C	CL	D	SW	E	F	H	K	M	N	W	WL	P1	P2	P3	R	PT
Φ20	51	71	-	43	-	8	6	12	10	42	30	5.5	5.6	9	M8x1.25x12D	M10x1.25	20	22.5	11	-	5	1/8	
Φ25	53	75	-	45	-	8	6	14	12	48	36	5.5	5.6	9	M10x1.5x15D	M12x1.25	22	23	12	-	5	1/8	
Φ32	64	89	89	139	54	69	10	7	20	17	62	47	6.5	6.8	11	M12x1.75x15D	M16x1.5	25	28	14	13	10	1/4
Φ40	65	95	90	150	55	70	10	7	25	22	70	52	9	9	14	M16x2.0x20D	M22x1.5	30	28	15	14	10	1/4
Φ50	71	106	97	167	60	75	11	8	30	27	80	58	11	11	18	M20x2.5x25D	M26x1.5	35	29.5	18	16	10	1/4
Φ63	80	120	108	188	67	82	13	10	35	32	94	69	13	13	20	M27x3.0x35D	M30x1.5	40	31	20	20	10	3/8
Φ80	95	140	127	217	78	93	17	14	45	41	114	86	15	15	22	M30x3.5x35D	M39x1.5	45	33	27	27	15	3/8

單位 (Unit) : mm

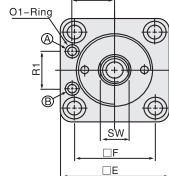
訂購標示法 Ordering Code

HTB	SDMA	32	20	N															
①	②	③	④	⑤															
<table><tr><th>①</th><th>系列號 Series</th><th>HTB</th></tr><tr><td>②</td><td>安裝型式 Mounting type</td><td>SDMA 軸向前油路板型 Axial front manifold type SDBM 軸向後油路板型 Axial back manifold type</td></tr><tr><td>③</td><td>缸體內徑 Bore of cylinder</td><td>Φ20, Φ25, Φ32, Φ40, Φ50, Φ63, Φ80</td></tr><tr><td>④</td><td>標準行程 Standard stroke</td><td>請參閱行程規格表 Please refer to the stroke specification</td></tr><tr><td>⑤</td><td>端蓋形式 Rod end type</td><td>內牙N: Female thread N 外牙W: Male thread W</td></tr></table>					①	系列號 Series	HTB	②	安裝型式 Mounting type	SDMA 軸向前油路板型 Axial front manifold type SDBM 軸向後油路板型 Axial back manifold type	③	缸體內徑 Bore of cylinder	Φ20, Φ25, Φ32, Φ40, Φ50, Φ63, Φ80	④	標準行程 Standard stroke	請參閱行程規格表 Please refer to the stroke specification	⑤	端蓋形式 Rod end type	內牙N: Female thread N 外牙W: Male thread W
①	系列號 Series	HTB																	
②	安裝型式 Mounting type	SDMA 軸向前油路板型 Axial front manifold type SDBM 軸向後油路板型 Axial back manifold type																	
③	缸體內徑 Bore of cylinder	Φ20, Φ25, Φ32, Φ40, Φ50, Φ63, Φ80																	
④	標準行程 Standard stroke	請參閱行程規格表 Please refer to the stroke specification																	
⑤	端蓋形式 Rod end type	內牙N: Female thread N 外牙W: Male thread W																	

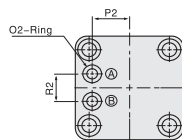
SDMA-N



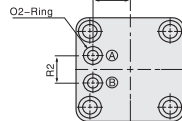
SDMA-W



SDBM-N



SDBM-W



ST=Stroke

外形尺寸表 Dimension table

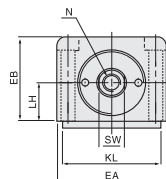
單位 (Unit) : mm

Dimension table															單位 (Unit) : mm					
Bore	A	AL	B	C	CL	D	SW	E	F	H	K	M	N	W	WL	SDMA		SDBM		
																P1	R1	P2	R2	
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	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	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	P9
Φ40	65	95	55	10	7	25	22	80	52	9	9	14	M16×2.0×20D	M22×1.5	30	27	26	P6	24	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	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	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	P11

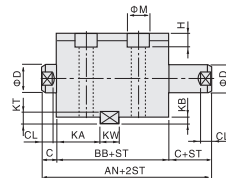
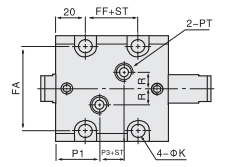
訂購標示法 Ordering Code

LA-N		HTB	-	LA	32	x	20	N	
		①		②		③		④	
		①	系列號 Series			HTB			

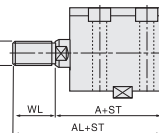
LA-N



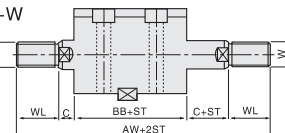
LW-N



LA-W



LW-W



KEY



ST=Stroke

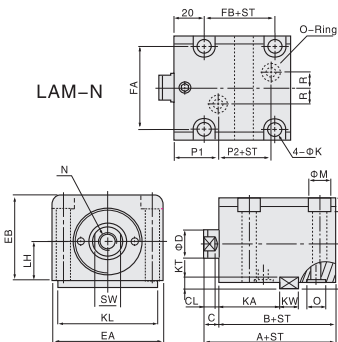
外形尺寸表
Dimension table 單位 (Unit) : mm

Bore	KW	KT	KL	KA	KB
Φ32	12	8	63	28	4.5
Φ40	12	8	70	28	4.5
Φ50	14	9	80	29	5
Φ63	16	10	100	31	5.5

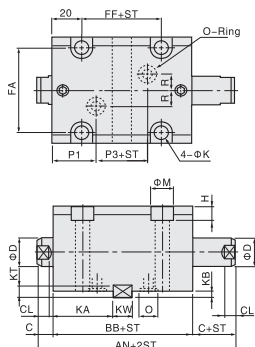
外形尺寸表 Dimension table

單位 (Unit) : mm																			
Bore	AL	AN	AW	B	BB	C	CL	D	SE	EA	EB	FA	FB	FF	H	K	M	N	W
Φ32	64	89	139	54	69	10	7	20	17	70	56	25	56	24	32	9	14	M12×1.75×15D	M16×1.5
Φ40	65	95	150	55	70	10	7	25	22	80	64	29	62	23	32	11	18	M16×2.0×20D	M22×1.5
Φ50	71	106	167	60	75	11	8	30	27	94	74	34	74	27	35	13	20	M20×2.5×25D	M26×1.5
Φ63	80	120	188	67	82	13	10	35	32	114	89	42	90	32	42	15	22	M27×3.0×35D	M30×1.5

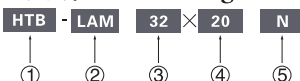
LAM-N



LWM-N



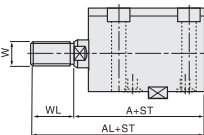
訂購標示法 Ordering Code



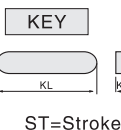
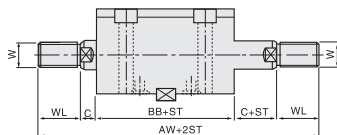
①	系列號 Series	HTB
②	安裝型式 Mounting type	LAM 側向單軸 Single end rod type LWM 側向雙軸 Double end rod type
③	油缸內徑 Bore of cylinder	Φ32, Φ40, Φ50, Φ63
④	標準行程 Standard stroke	10, 20, 30, 40, 50
⑤	端頭型式 Rod end type	內牙N: Female thread N 外牙W: Male thread W

注：行程10mm無附鍵槽及平鍵
Stroke: 10mm without key.

LAM-W



LWM-W



外形尺寸表

Dimension table 單位 (Unit) : mm

Bore	KW	KT	KL	KA	KB
Φ32	12	8	63	38	4.5
Φ40	12	8	70	38	4.5
Φ50	14	9	80	40	5
Φ63	16	10	100	42	5.5

外形尺寸表 Dimension table

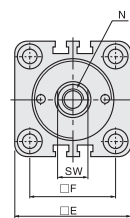
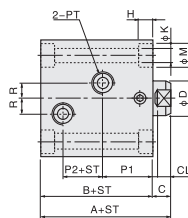
Bore	A	AL	AN	AW	B	BB	C	CL	D	SW	E	EB	LH	FA	FB	FF	H	K	M	N	W	WL	P1	P2	P3	R	O
Φ32	64	89	89	139	54	69	10	7	20	17	70	56	25	56	24	32	9	9	14	M12×1.75×15D	M16×1.5	25	28	14	13	10	P9
Φ40	65	95	90	150	55	70	10	7	25	22	80	64	29	62	23	32	11	11	18	M16×2.0×20D	M22×1.5	30	28	15	14	10	P9
Φ50	71	106	97	167	60	75	11	8	30	27	94	74	34	74	27	35	13	13	20	M20×2.5×25D	M26×1.5	35	29.5	18	16	10	P11
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	P11

單位 (Unit) : mm

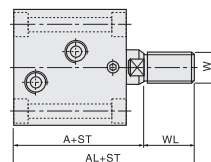
訂購標示法 Ordering Code



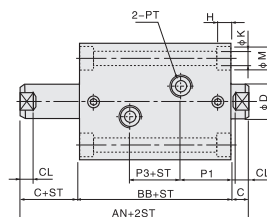
SD-N



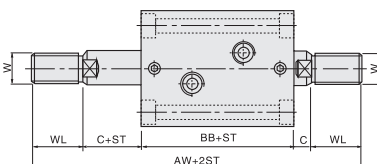
SD-W



SW-N



SW-W



外形尺寸表 Dimension table

單位 (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
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	M20×1.5	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	M27×3.0×33D	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	M30×3.5×33D	M36×1.5	55	35	38	36	15	3/8

注：使用壓力≥10MPa時，缸體需採用不銹鋼材質。