



永達棚架工程有限公司
WINXTER SCAFFOLDING WORKS COMPANY LIMITED

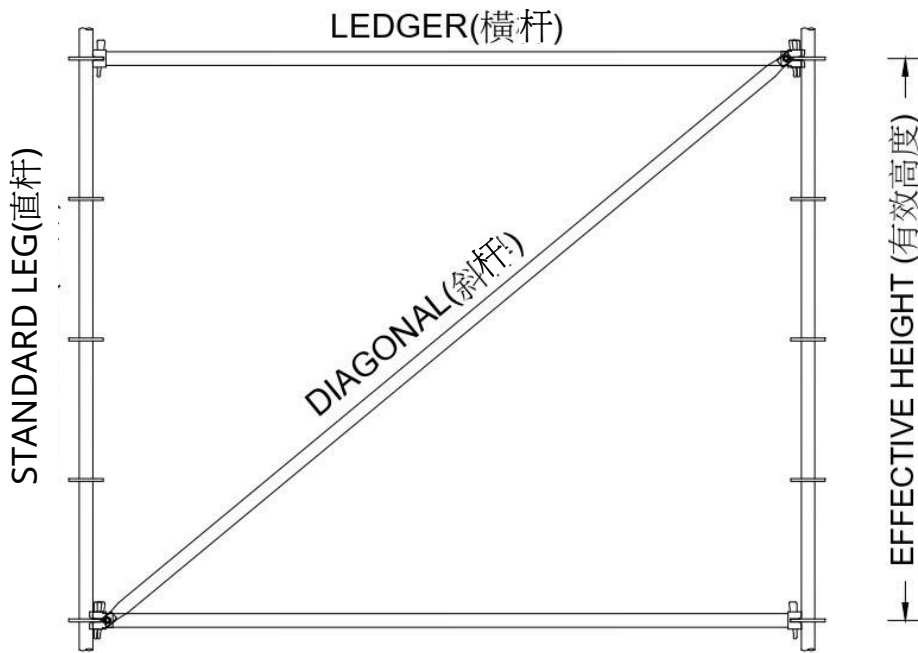


壓力測試





RINGLOCK SCAFFOLD
STANDARD(直桿)



ALLOWABLE SCAFFOLD LEG LOAD(直桿可容許負重值)	
EFFECTIVE HEIGHT (有效高度)	SAFE WORKING LOAD (安全負重值)
2.0 M	30 KN
1.5 M	50 KN
1.0 M	70 KN

CHINESE STANDARD GB50017 - Q345

(MIN. FOS. = 1.65)

DESIGN ST GTH : 310 MPa

STANDARD LEG : ϕ 48.3 x 3.25 mmT

DIAGONAL/LEDGER : ϕ 48.3 x 2.50 mmT

SAFETY FACTOR 1.65 AGAINST YIELDING OF THE MATERIAL



永達棚架工程有限公司
WINXTER SCAFFOLDING WORKS COMPANY LIMITED
RINGLOCK SCAFFOLD
CONNECTION(連接)

LOADING CAPACITIES OF CONNECTION		
REACTIONS AT JOINT	ILLUSTRATION	ALLOWABLE LOAD
BENDING MOMENT (M)		1 kNm
VERTICAL SHEAR FORCE (V)		33 kN
HORIZONTAL SHEAR FORCE (H)		24 kN
FORCE FROM LEDGER (F _L)		TENSION 35 kN
		COMPRESSION 44 kN
FORCE FROM DIAGONAL (F _D)		TENSION +13.25 kN to +15.0 kN
		COMPRESSION -6.46 kN to -11.6 kN

CHINESE STANDARD GB50017 - Q345
 DESIGN STRENGTH : 310 MPa
 STANDARD LEG : $\varnothing 48.3 \times 3.25$ mmT
 DIAGONAL/LEDGER : $\varnothing 48.3 \times 2.50$ mmT

(MIN. FOS. = 1.65)



RINGLOCK SCAFFOLD
LEDGER(橫杆)

ALLOWABLE LOADING CAPACITY OF LEDGER(橫杆)

	≤ 0.73m	1.09m	1.20m	1.57m	1.8m	2.07m	2.57m
	24.77	11.11	9.16	5.36	4.58	3.08	2.00
	8.00	5.36	4.86	3.73	3.27	2.82	2.27
	44.0	44.0	42.2	30.9	25.2	19.5	13.1
	35.0	35.0	35.0	35.0	35.0	35.0	35.0

CHINESE STANDARD GB50017 - Q345
DESIGN STRENGTH : 310 MPa
DIAGONAL/LEDGER : Φ 48.3 x 2.50 mmT

(MIN. FOS. = 1.65)

ALLOWABLE LOADING CAPACITY OF BRIDGING LEDGER (加固橫杆)

	1.57m	2.07m	2.57m	3.07m
	14.65	8.42	5.46	3.83
	11.5	8.72	7.02	5.88

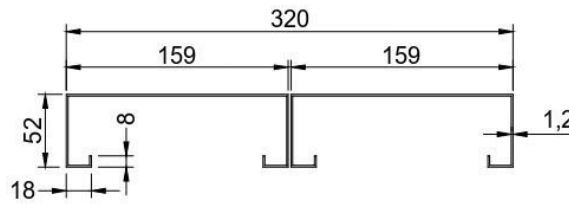
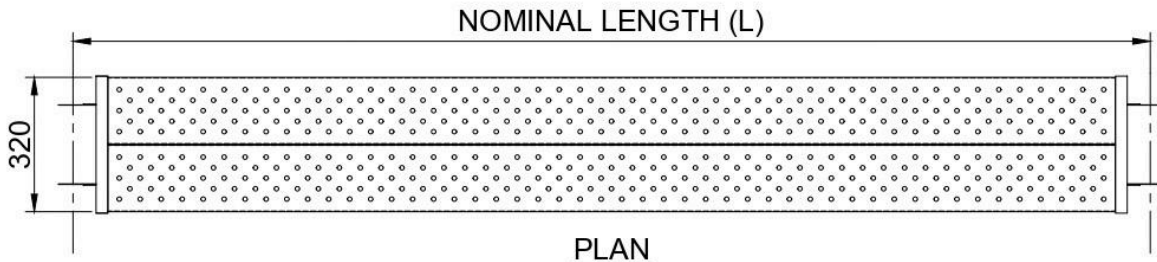
CHINESE STANDARD GB50017 - Q345
DESIGN STRENGTH : 310 MPa
DIAGONAL/LEDGER : Φ 48.3 x 2.50 mmT

(MIN. FOS. = 1.65)



RINGLOCK SCAFFOLD

Catwalk 鈎板



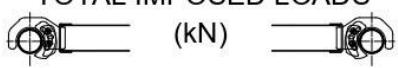
$$I_{xx} = 303.29 \times 10^3 \text{ mm}^4$$

$$Z_{xx} = 8.62 \times 10^3 \text{ mm}^3$$

$$A = 738.72 \text{ mm}^2$$

$$EI_{xx} = 6.22 \times 10^{10} \text{ Nmm}^2$$

SECTION PROPERTIES

<u>ALLOWABLE BEARING CAPACITIES</u>						
NOMINAL LENGTH (L)	0.73m	1.09m	1.20m	1.57m	2.07m	2.57m
UNIFORMLY DISTRIBUTED LOAD (kN/m)	16.74	7.58	6.22	3.63	2.09	1.36
POINT LOAD AT MID SPAN (kN)	6.13	4.12	3.73	2.85	2.16	1.75
TOTAL IMPOSED LOADS  (kN)	12.25	8.25	7.46	5.71	4.33	3.50

CHINESE STANDARD GB50018 - Q235
DESIGN STRENGTH : 205 MPa

(MIN. FOS. = 1.65)