



main technical parameters

No.	property	technical parameters
1	max lifting capacity (no lifting weight)	900t ($960t$)
2	max size of girder	32.6m x 13.4m x 3.5m
3	type of lift girders	4-points lifting, 2-points balance
4	launcher moving speed	0-3m/min
5	launcher moving way	wheel-roll type
6	trolley moving speed	0-3m/min (full load) 0-6m/min (empty load)
7	trolley lifting speed	0-4.5m/min (full load) 0-6m/min (empty load)
8	max lifting height of trolley	7 m
9	girder horizontal line-feeding distance	± 200 mm
10	girder line-feeding speed	0-1m/min
11	rear support counter-force on launching girders	<math>< 310t</math>
12	load on rear support counter-force on launching girders	<math>< 756t \cdot 929t</math>
13	way for girder launching nose moving to the right place	rolling out rollers holding all the girder nose to put in right place
14	launching nose crane lifting capacity	80t
15	min curve bridge radius	2500m
16	applicable slope	technical parameter in drawing
17	power	300kw
18	control mode	mechanical, electric and liquid integration
19	total dimension	68x13.4x7.8m
20	self-weight	588t

No.	Code name	Item	quantity	material	unit	total	Remark
12	HZQ900.12	液压系统总成	1				
11	HZQ900.11	electrical system	1				
10	HZQ900.10	platform and railing	1		10	10.00	
9	HZQ900.9	rear bracket	1		9	9.00	
8	HZQ900.8	cantilever beam	1		32	32.00	
7	HZQ900.7	auxiliary trolley	1		5.1	5.10	
6	HZQ900.6	lifting trolley	2		47.8	95.60	
5	HZQ900.5	bottom launching nose	1		69	69.00	
4	HZQ900.4	auxiliary support	1		18	18.00	
3	HZQ900.3	front support	1		31.4	31.40	
2	HZQ900.2	rear support	1		113	113.00	
1	HZQ900.1	main girder	1		211.5	211.50	

No.	places	division	stage	file number	signal	date	stage mark	weight	proportion	total paper No.	paper
								594.60	1:120		

CCCC Harbour Bureau
Xi'an Jiaotong University
Bridge girder launcher
HZQ900