



**K H K SCAFFOLDING  
& FORMWORK L.L.C.**

# **Accessories**



# Scaffold Tubes

- Steel tubes of various diameter from 1/2" to 6" are manufactured
- All steel tubes are in accordance with BS standard - BS 1139

Tube	Nominal Bore		Outside Dia. of Black Tube				Thickness		Weight of Black Tube					
			max.		min.				Plain End			Screwed & Socketed		
	in	mm	in	mm	in	mm	in	mm	lb/ft	kg/ft	kg./m	lb/ft	kg/ft	kg./m
Light	1/2	15	0.841	21.4	0.825	21.0	0.079	2.0	0.640	0.289	0.947	0.646	0.291	0.956
	3/4	20	1.059	26.9	1.041	26.4	0.091	2.3	0.944	0.421	1.38	0.954	0.424	1.39
	1	25	1.328	33.8	1.309	33.2	0.102	2.6	1.350	0.603	1.98	1.360	0.610	2.00
	1 1/4	32	1.670	42.5	1.650	41.9	0.102	2.6	1.730	0.774	2.54	1.750	0.783	2.57
	1 1/2	40	1.903	48.4	1.882	47.8	0.114	2.9	2.190	0.985	3.23	2.220	0.997	3.27
	2	50	2.370	60.2	2.347	59.6	0.114	2.9	2.760	1.24	4.08	2.810	1.26	4.15
	2 1/2	65	2.991	76.0	2.960	75.2	0.126	3.2	3.900	1.74	5.71	3.980	1.78	5.83
	3	80	3.491	88.7	3.460	87.9	0.126	3.2	4.580	2.05	6.72	4.690	2.10	6.89
	4	100	4.481	113.9	4.450	113.0	0.142	3.6	6.640	2.97	9.75	6.840	3.05	10.0
Medium	1/2	15	0.856	21.7	0.831	21.1	0.102	2.6	0.822	0.369	1.21	0.828	0.372	1.22
	3/4	20	1.072	27.2	1.047	26.6	0.102	2.6	1.060	0.475	1.56	1.070	0.479	1.57
	1	25	1.346	34.2	1.316	33.4	0.126	3.2	1.640	0.735	2.41	1.650	0.741	2.43
	1 1/4	32	1.687	42.9	1.657	42.1	0.126	3.2	2.110	0.945	3.10	2.130	0.954	3.13
	1 1/2	40	1.919	48.8	1.889	48.0	0.126	3.2	2.430	1.09	3.57	2.460	1.10	3.61
	2	50	2.394	60.8	2.354	59.8	0.142	3.6	3.420	1.53	5.03	3.470	1.55	5.10
	2 1/2	65	3.014	76.6	2.969	75.4	0.142	3.6	4.380	1.96	6.43	4.460	1.99	6.55
	3	80	3.524	89.5	3.469	88.1	0.157	4.0	5.690	2.55	8.37	5.800	2.60	8.54
	4	100	4.524	114.9	4.459	113.3	0.177	4.5	8.140	3.72	12.20	8.340	3.81	12.50
		5	125		140.6		138.7	0.197	5.0		5.06	16.60		5.21
	6	150		166.1		164.1	0.197	5.0		6.00	19.70		6.19	20.30
Heavy	1/2	15	0.856	21.7	0.831	21.1	0.126	3.2	0.977	0.439	1.44	0.983	0.442	1.45
	3/4	20	1.072	27.2	1.047	26.6	0.126	3.2	1.270	0.570	1.87	1.280	0.573	1.88
	1	25	1.346	34.2	1.316	33.4	0.157	4.0	2.000	0.896	2.94	2.010	0.902	2.96
	1 1/4	32	1.687	42.9	1.657	42.1	0.157	4.0	2.580	1.16	3.80	2.600	1.17	3.83
	1 1/2	40	1.919	48.8	1.889	48.0	0.157	4.0	2.980	1.33	4.38	3.010	1.35	4.42
	2	50	2.394	60.8	2.354	59.8	0.177	4.5	4.140	1.89	6.19	4.190	1.91	6.26
	2 1/2	65	3.014	76.6	2.969	75.4	0.177	4.5	5.310	2.42	7.93	5.390	2.45	8.05
	3	80	3.524	89.5	3.469	88.1	0.197	5.0	6.760	3.14	10.30	6.870	3.20	10.50
	4	100	4.524	114.9	4.459	113.3	0.212	5.4	9.710	4.42	14.50	9.910	4.51	14.80
		5	125		140.6		138.7	0.212	5.4		5.46	17.90		5.61
	6	150		166.1		164.1	0.212	5.4		6.49	21.30		6.67	21.90

## TOLERANCE

**Thickness:** Light Tubes

:+ Not limited

:- 8%

Medium & Heavy tubes

:+ Not limited

:- 10%

**Mass:** Light Medium

1) For quantities of 150 metres  
& Heavy Tubes and over of one size  
2) For Single tube

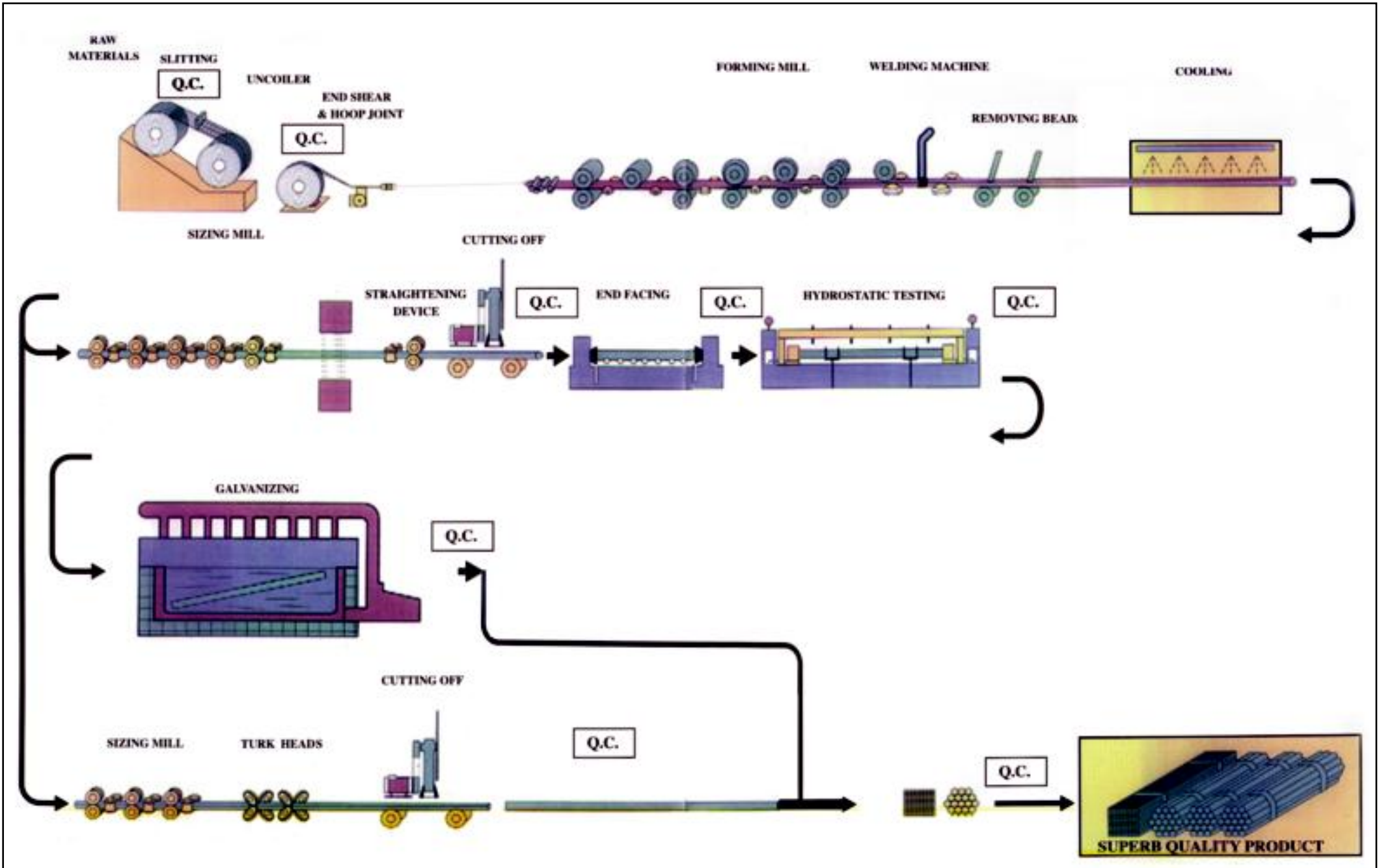
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:- 8%

**Length:** Light, Medium & Heavy tubes

Random lengths of 4 to 7  
metres unless specified  
otherwise

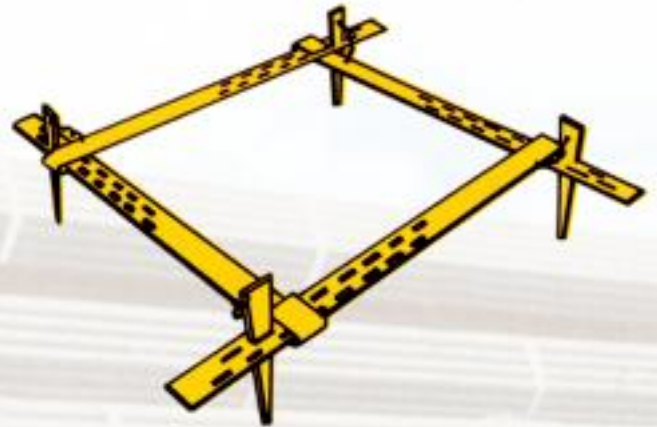
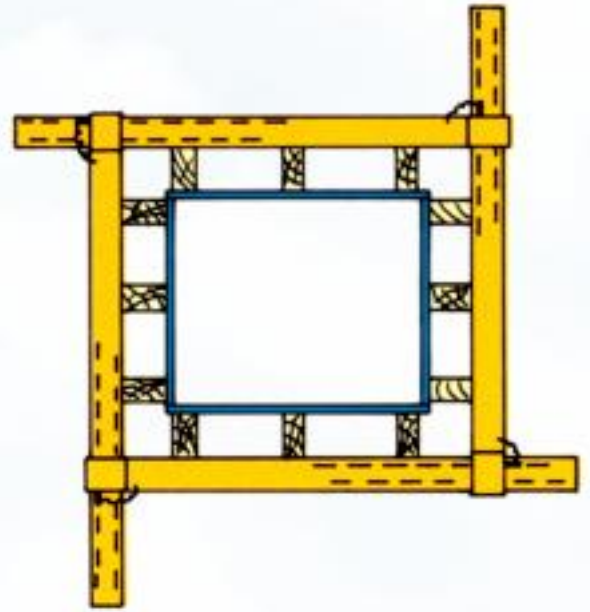
# Tube Mill Flow Diagram





# Column Clamps

- Column clamps are quickly adjusted and secured to ensure absolute rigidity of steel and timber formwork for concrete columns.
- They save time, labour and materials by completely eliminating the cutting to waste of timber and eventual deterioration and scrapping of materials.
- The arms of all three sizes are interchangeable and suitable for square and rectangular sections.
- The slot arrangement allows for simple speedy and accurate adjustment to any dimension within the size range.
- There are no loose parts to be lost or mislaid and the clamps can be used for unlimited number of times.
- Wedges are secured to arms by a flexible galvanised steel wire instead of the usual chain and ring.



Size	Length of Arm	Distance between Arms		Weight (kg) Per set
		Minimum	Maximum	
1	0.885m	0.26m	0.64m	14.5
2	1.080m	0.42m	0.83m	17.4
3	1.335m	0.63m	1.04m	26.6



# Tie System



**TIEING POSSIBILITIES**



## **WING NUT**

This wing nut is used in conjunction with all tie plates without thread. The wings on the nut ensures practical advantages in handling.



## **WATER STOP**

When watertight concrete walls have to be constructed. It is very often the case that the principals demand that the tie is connected up to a so called waterstop in the middle of the wall.



## **TIE ROD**

This tie rods are comprised of a top quality high tensile steel with continuous robust, rolled on thread where variations of length of ties is required, 2m. Length threaded bar is available cut to size.



## **TIE PLATE**

This rigid base plate without thread should be used in conjunction with a tie nut or wing nut.



## **PVC TUBE**

Sleeves are used as protection so that the tie rods can be recovered once the concrete has set.



## **TIE CONE**

Cones are used to avoid the impressing of the tube to the plywood.

## Couplers



### **DOUBLE COUPLER (FORGED TYPE)**

Forged type double couplers provide stronger grip. Easier to handle when connecting standard to standard or ledger to ledger and any tube having an outside diameter of 48.3mm at right angle or 90°.

Weight: 1.25 kg.



### **SLEEVE COUPLER**

A coupler designed with wrapping facility for end to end connection of any scaffold tube to form a butt joint connection.

Weight : 1.25 kg.



### **SWIVEL COUPLER (FORGED TYPE)**

Forged type swivel couplers are flexible than the double couplers since it can connect two 48.3mm outside diameter tube at any angle.

Weight : 1.25 kg.



### **PUTLOG COUPLER (FORGED TYPE)**

Designed to join putlogs or transoms to ledger allowing scaffold board to be laid across on top of the putlogs or transoms.

Weight : 0.65 kg.



# Couplers

## JOINT PIN

A fitting designed with utilities as the sleeve coupler except that it is connected internally

Weight : 0.82 kg.



## GRAVLOCK GIRDER COUPLERS

Designed to connect scaffold tube to beam or girder flange.

A pair of gravlock girder couplers must always be used.

Weight : 1.30 kg.



## PROP BRACING DOUBLE COUPLER

Designed to connect standard scaffolding tube to the prop inner tube at 90°.

Weight : 1.2 kg.



## PROP BRACING SWIVEL COUPLER

The prop bracing swivel coupler is used to connect scaffold tube to the prop inner tube at any angle.

Weight : 1.20 kg.



## PUTLOG COUPLER (PRESSED TYPE)

Pressed type putlog coupler provide sufficient grip when connecting putlogs or transoms to ledger.



# K H K SCAFFOLDING & FORMWORK L.L.C.

## Head Office:

New Industrial Area  
P.O.Box: 2701, Ajman-U.A.E  
Tel: +971-6-7439013, Fax: +971-6-7439017  
E-mail: khkscaf@emirates.net.ae, Website: www.khk-scaffolding.com

## Branches :

### **A-Val Metal Resources, Inc.**

5925, Airport Road, Suite 200, Airway Centre,  
Mississauga L4V 1W1, Ontario, Canada  
Tel.: 001 905 405 6245, Fax: 001 905 672 8630  
email : khk@avalmetal.com or hasiha@khk-scaffolding.com

### **Brisko Scaffolding Limited**

120 South lane New Malden  
Surrey KT3 SEL England  
Tel.: 0044 - 20 - 83364595  
Fax: 0044 - 20 - 83364596

### **Prime Metal CORPORATION - USA**

653 Route 52, Walden NY 12586  
United States of America  
Tel.: 001 - 845 - 778 4545  
Fax: 001 - 845 - 778 4218

### **Winston Scaffolding Pty Ltd.**

44-46 Gould Street  
South Strathfield, N.S.W. 2136  
Tel.: 00 - 02 - 97588700  
Fax: 00 - 02 - 97587263

