

Purpose:

To provide dimension and specification information for a TCS model air chain hoist.

TCS Pendant Model:

Imperial Specifications:

Cap. (Tons)	Product Code	Standard Lift (ft)	Push Button Hose L (ft)	Up/Down Speeds (ft/min @ 90 psi)		Up/Down Air Consumption Rates (cubic ft/min @ 90 psi)		Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs)	Weight for Additional One Foot of Lift (lbs)
				No Load	w/Full Load	No Load	w/Full Load			
1/4	TCS250P	10	8.1	207 / 125	112 / 207	74 / 64	60 / 71	6.3 x 1	46	0.6
1/2	TCS500P	10	8.1	108 / 62	56 / 112	74 / 64	60 / 71	6.3 x 1	46	0.6
1	TCS1000P2	10	8.1	54 / 31	28 / 56	74 / 64	60 / 71	6.3 x 2	60	1.2

Imperial Dimensions:

Cap. (Tons)	Product Code	Headroom C (in)	a (in)	b (in)	d (in)	e (in)	g (in)	h (in)	i (in)	j (in)
1/4	TCS250P	16.3	14.4	6.6	6.4	8.0	1.0	4.4	2.2	1.0
1/2	TCS500P	16.3	14.4	6.6	6.4	8.0	1.0	4.4	2.2	1.0
1	TCS1000P2	18.0	14.4	9.0	6.4	8.0	1.1	6.3	2.7	1.9

Metric Specifications:

Cap. (Tons)	Product Code	Standard Lift (m)	Push Button Hose L (m)	Up/Down Speeds (m/min @ 0.6 MPa)		Up/Down Air Consumption Rates (cubic m/min @ 0.6 MPa)		Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (kg)	Weight for Additional One Meter of Lift (kg)
				No Load	w/Full Load	No Load	w/Full Load			
1/4	TCS250P	3	2.5	63 / 38	34 / 63	2.1 / 1.8	1.7 / 2.0	6.3 x 1	21	0.9
1/2	TCS500P	3	2.5	33 / 19	17 / 34	2.1 / 1.8	1.7 / 2.0	6.3 x 1	21	0.9
1	TCS1000P2	3	2.5	16.5 / 9.5	8.5 / 17	2.1 / 1.8	1.7 / 2.0	6.3 x 2	27	1.8

Metric Dimensions:

Cap. (Tons)	Product Code	Headroom C (mm)	a (mm)	b (mm)	d (mm)	e (mm)	g (mm)	h (mm)	i (mm)	j (mm)
1/4	TCS250P	414	365	168	161	204	25.4	112	56	25.4
1/2	TCS500P	414	365	168	161	204	25.4	112	56	25.4
1	TCS1000P2	456	365	229	161	204	29	159	70	49

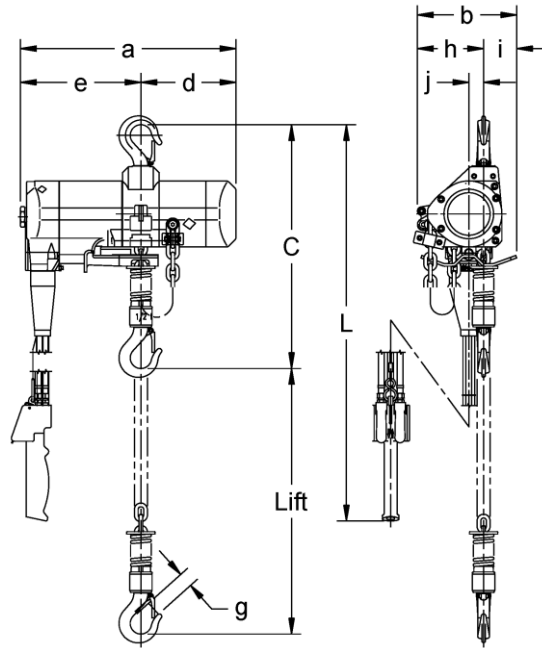


Fig. 1 TCS250P & TCS500P – Single Fall Pendant Model

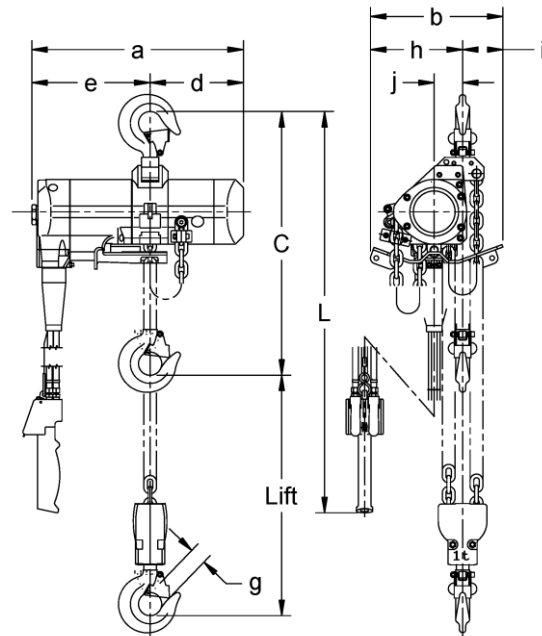


Fig. 2 TCS1000P2 – Double Fall Pendant Model

TCS Cord Model:

Imperial Specifications:

Cap. (Tons)	Product Code	Standard Lift (ft)	Cord L (ft)	Up/Down Speeds (ft/min @ 90 psi)		Up/Down Air Consumption Rates (cubic ft/min @ 90 psi)		Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs)	Weight for Additional One Foot of Lift (lbs)
				No Load	w/Full Load	No Load	w/Full Load			
1/4	TCS250C	10	7.3	207 / 125	112 / 207	74 / 64	60 / 71	6.3 x 1	44	0.6
1/2	TCS500C	10	7.3	108 / 62	56 / 112	74 / 64	60 / 71	6.3 x 1	44	0.6
1	TCS1000C2	10	7.3	54 / 31	28 / 56	74 / 64	60 / 71	6.3 x 2	58	1.2

Imperial Dimensions:

Cap. (Tons)	Product Code	Headroom C (in)	a (in)	b (in)	d (in)	e (in)	g (in)	h (in)	i (in)	j (in)
1/4	TCS250C	16.3	14.4	8.7	6.4	8.0	1.0	5.3	3.3	1.0
1/2	TCS500C	16.3	14.4	8.7	6.4	8.0	1.0	5.3	3.3	1.0
1	TCS1000C2	18.0	14.4	9.0	6.4	8.0	1.1	6.3	2.7	1.9

Metric Specifications:

Cap. (Tons)	Product Code	Standard Lift (m)	Cord L (m)	Up/Down Speeds (m/min @ 0.6 MPa)		Up/Down Air Consumption Rates (cubic m/min @ 0.6 MPa)		Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (kg)	Weight for Additional One Meter of Lift (kg)
				No Load	w/Full Load	No Load	w/Full Load			
1/4	TCS250C	3	2.2	63 / 38	34 / 63	2.1 / 1.8	1.7 / 2.0	6.3 x 1	20	0.9
1/2	TCS500C	3	2.2	33 / 19	17 / 34	2.1 / 1.8	1.7 / 2.0	6.3 x 1	20	0.9
1	TCS1000C2	3	2.2	16.5 / 9.5	8.5 / 17	2.1 / 1.8	1.7 / 2.0	6.3 x 2	26	1.8

Metric Dimensions:

Cap. (Tons)	Product Code	Headroom C (mm)	a (mm)	b (mm)	d (mm)	e (mm)	g (mm)	h (mm)	i (mm)	j (mm)
1/4	TCS250C	414	365	220	161	204	25.4	135	85	25.4
1/2	TCS500C	414	365	220	161	204	25.4	135	85	25.4
1	TCS1000C2	456	365	229	161	204	29	159	70	49

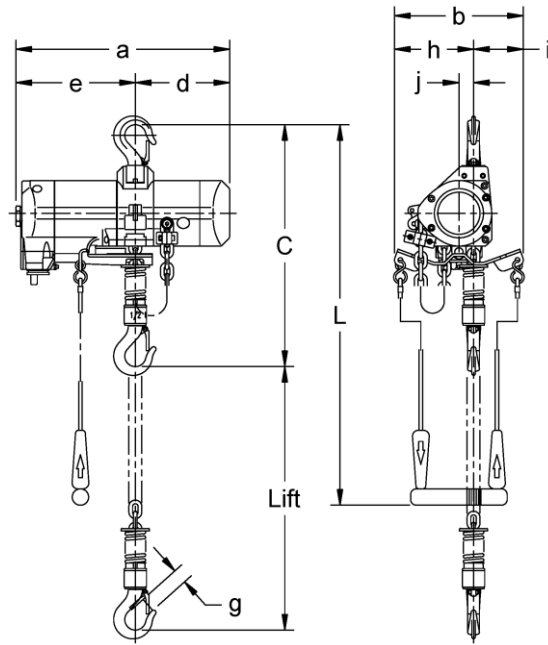


Fig. 3 TCS250C & TCS500C – Single Fall Cord Model

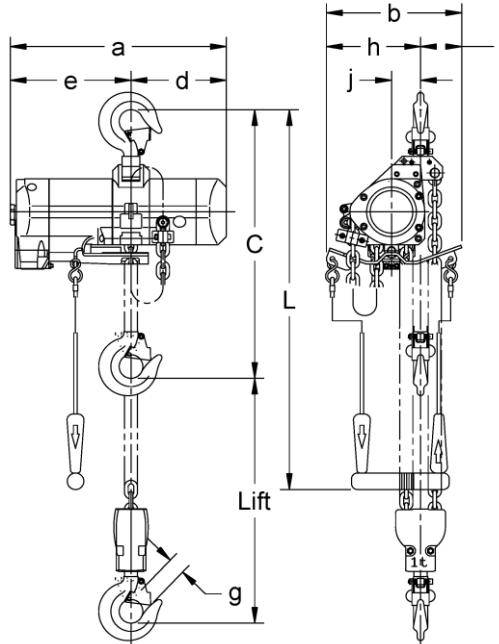


Fig. 4 TCS1000C2 – Double Fall Cord Model

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