

Traveller weights for spinning worsted and semi-worsted yarns on conical rings

The recommended traveller weights are guiding values and based on average ring diameters and spindle speeds. The optimum traveller weight is best determined through practical trials and is dependent on ring diameter, yarn material, spindle speeds, etc.

Yarn count			J traveller steel		Nyltex 1)	Recommended ring height		
Tex	Nm	Ne _w	Bräcker No	ISO No	ISO No	9.1	11.1	17.4
500	2	3,9	10 - 11	1600 - 1800	710 - 900			
330	3	5,8	12 - 13	100 - 1250	560 - 630			
250	4	7,8	13 - 14	900 - 1000	450 - 500			
165	6	11,6	14 - 15	710 - 900	280 - 315			
125	8	15,5	15 - 16	560 - 710	250 - 280			
100	10	19,4	16 - 17	450 - 560	224 - 250			
84	12	23,3	17 - 18	355 - 450	160 - 180			
71	14	27	18 - 19	250 - 355	125 - 140			
63	16	31	19 - 20	180 - 250	112 - 125			
56	18	34,9	19 - 21	160 - 250	100 - 112			
50	20	38,8	20 - 21	160 - 180	90 - 100			
42	24	46,5	21 - 22	125 - 160	80 - 90			
36	28	54,3	22 - 23	112 - 125	71 - 80			
31	32	62	23 - 24	90 - 112	63 - 71			
28	36	69,8	23 - 25	71 - 112	50 - 63			
25	40	77,5	24 - 26	63 - 90	40 - 56			
22,5	44	85,3	24 - 27	50 - 90	31,5 - 40			
20	50	96,9	25 - 28	71 - 40				
18	56	108,0	26 - 29	31,5 - 63				
16,5	60	116,3	27 - 30	28 - 50				
14,5	70	136	28 - 31	25 - 40				
12	85	165	29 - 32	22,4 - 31,5				
10	100	194	30 - 34	20 - 28				
8,5	120	232	31 - 34	20 - 25				
7,2	140	270	32 - 36	18 - 22,4				

Steel / Nyltex: better select the numbers in **bold prints**.

1) for detailed information see our special Nyltex brochure.

Ring height  recommended
 possible

Traveller weights for twisting with steel travellers on vertical rings (HZ 9.5/HZ 10,3/HZ 11,1/HZ 16,7)

Correlation of twisted yarn count to traveller number (guiding values)

Single yarn			Traveller numbers (for the corresponding twist)								
Tex	Nm	Ne _w	American No (only HZ 9,5)		European No						
			4 - ply		2 - ply		4 - ply		6 - ply		
			Bräcker- No	ISO- No	Bräcker- No	ISO- No	Bräcker- No	ISO- No	Bräcker- No	ISO- No	Bräcker- No
500	2	3,9				5000	2	9000	4/0		
400	2,5	4,8				4000	4	7100	2/0		
330	3	5,8				3550	5	5600	1		
250	4	7,8				3150	6	5000	2		
165	6	11,6				2500	8	4000	4	5600	1
125	8	15,5				1800	10	3150	6	4500	3
100	10	19,4				1250	12	2500	8	3550	5
84	12	23,3				1000	13	1800	10	3150	6
71	14	27			12	900	14	1600	11	2800	7
63	16	31			13	710	15	1250	12	2500	8
56	18	34,9			14	560	16	1000	13	2240	9
50	20	38,8			15	450	17	900	14	1800	10
42	24	46,5	13	710	16	355	18	710	15	1600	11
36	28	54,3	14	560	17	250	19	560	16	1250	12
30	34	65,9				224	19 1/2	450	17	1000	13
25	40	77,5	16	355	18	200		400	17 1/2	900	14
20	50	96,9				160	21	355	18	710	15
18,5	54	104,6	17	250	19	140	21 1/2	280	18 1/2	560	16
16,5	60	116,8				112	23	250	19	450	17
14,5	70	135,6	18	200		90	24	180	20	355	18
12	85	164,7	19	140	21	80	24 1/2	160	21	250	19
10	100	193,8	20	100	22	63	26	125	22	180	20

Traveller weights for spinning, see page 69

Traveller weights for spinning on vertical rings

Correlation of yarn count to traveller number (guiding values)

tex	Nm	Ne _w	Steel			Nylon
			ISO - No	Bräcker No European No	US 3/8" HZ 9,5	ISO - No
165	6	11,6	1000/900	13/14		450 - 355
125	8	15,5	900/560	14/16	13/14	315 - 250
100	10	19,4	710/450	15/17	13/15	224 - 180
84	12	23,3	560/355	16/18	14/16	180 - 140
71	14	27	450/250	17/19	15/17	160 - 125
63	16	31	355/180	18/20	16/18	140 - 112
56	18	35	250/160	19/21	17/19	125 - 100
50	20	39	180/125	20/22	18/19	100 - 90
42	24	47	125/112	22/23	19/20	90 - 80
36	28	54	112/90	23/24	20/21	80 - 71
31	32	62	112/71	23/25	20/21	71 - 63
28	36		90/63	24/26	21/22	
25	40		63/50	26/27	22/24	
22	44		63/40	26/28	22/25	
20	50		50/31,5	27/29	23/26	
18	56		40/31,5	28/29	24/26	
16	60		31,5/28	29/30	26/27	
14	70		28/25	30/31	27/28	

For coarser yarns use exclusively Nyltex / Steeltex travellers (see our special Nyltex brochure)

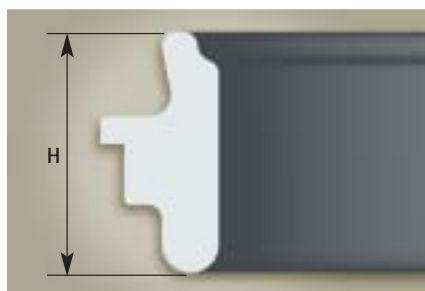
The recommended traveller weights are guiding values and based on average ring diameters and spindle speeds. The optimum traveller weight is best determined through practical trials and is dependent on cop diameter, yarn material, spindle speeds, etc. The traveller weight is correct when the wear on the traveller back, traveller head and traveller foot is well distributed.



Traveller weights for draw twisting with CPH Chromit travellers

Correlation of twisted yarn count to traveller number (guiding values)

Yarn count (twist)		Traveller weights		
dtex	den	ISO No	European No	American No (HZ 9,5)
17	15	20 - 22,4	34 - 32	28 - 27
22	20	22,4 - 31,5	32 - 29	28 - 26
33	30	25 - 31,5	31 - 29	27 - 26
44	40	31,5 - 40	29 - 28	27 - 25
56	50	31,5 - 50	29 - 27	27 - 26
67	60	40 - 63	28 - 26	25 - 23
78	70	40 - 63	28 - 26	25 - 23
90	80	50 - 71	27 - 25	24 - 22
100	90	50 - 71	27 - 25	24 - 22
110	100	63 - 90	26 - 24	22 - 21
122	110	63 - 90	26 - 24	22 - 21
133	120	71 - 112	25 - 23	22 - 21
150	135	90 - 125	24 - 22	21 - 20
167	150	112 - 160	23 - 21	20 - 19
200	180	125 - 180	22 - 20	19 - 18
220	200	125 - 250	22 - 19	19 - 18



Delivery program CPH travellers	HZ 9,5 3/8"	HZ 10,3 13/32"	HZ 11,1 7/16"
CST r			■
CST BS r	■		
CST Express r		■	■
RP CST Express r	■	■	■