



IDLERS PULLEY SELECTS THE EXPLANATION

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IDLERS SELECTS THE EXPANATION

1. General Instruction

Important requirements for idler are proper support for the belt and proper support for the load being conveyed

Idler are designed to rollers with Various diameter: $\Phi 89$ 、 $\Phi 108$ 、 $\Phi 133$ 、 $\Phi 159$ 、 $\Phi 194$ 、 $\Phi 219$.

The rollers are fitted with antifriction bearings and seals which are mounted on shafts.

1.1 Idler Classification

There are two basic type of belt conveyor idlers :carrying idlers and return idler.

Carrying idlers include troughing idler、 impact idler、 transition idler and training idler.

Return idler include flat idler、 V-type return idler 、 return inverted V-type idler 、 return V-type self-Aligning idler and Self-cleaning idler.

Troughing Idlers:

Revolves supporting the belt on the side which carries loads and is used for carrying bulk material ,such as sand ,earth, crushed stones ,gravel ,minerals ,grain ,etc.

There are various trough angles: 30° 、 35° 、 45° .

There are two type of idler :standard idler and forward-tilt idler. The forward-leaning idler can be arranged along all length to prevent belt sway off center condition.

Transition Idlers:

The transition idler needs to be arranged between the last troughing idler and the terminal pulley for reducing the stress of the belt edges and avoiding spillage of the loads.

There are three type of trough angle: 10° 、 20° 、 30° .

Training Idlers:

When the position of belt is changed from its center line on the plane ,the whole carrier makes a rotating motion round the center shaft of training idler ,and allows the belt to return to the center of the conveyor.

The distinguishing feature of this machine is in its infallible ability to prevent damage to and belt sway off center condition.

For this reason training idler also be Furnished.

There are three type of training idler :flat training idler、 friction training idler and taper training idler.

Layout 1 sets training idler per 10 sets at carrier side.

Layout 1 sets training idler per 4-6 sets at return side.

Impact Idlers:

Impact troughing idler have rollers made of a resilient material. They are used at loading points where impact resulting from lump size and weight of the material handled could seriously damage the belts ,If it were rigidly supported.

There are three type idler :troughing impact idler, troughing hollow buffer idler and flat idler.

Flat Return Idlers:

These idlers are used to support the return of the belt.

V Type Return Idlers:

With the increased use of heavy, high-tension fabric and steel cord belts ,the need for better support and training has resulted in the development of V-type return idler、 forward-tilt V- type return idler and inverted V-type return idler.

General layout 3 sets V-type forward-leaning Idler and 7 sets flat idler per 10 sets idler at return side.

Self-cleaning Return Idlers:

It is applied to remove the stick materials on the return side belt and to keep the belt clean.

There are three type self-cleaning idler :flat sleeve return idler、 V-type sleeve return idler、 flat spiral return idler.

General arrange 1 sets spiral return idler and 3~5 sets sleeve return idler at the beginning point of return side.

1.2 Idler Diameter

The relation of the diameter of roller and the width of belt is list in table 1-1

table 1-1

Width Roller Diameter	500	650	800	1000	1200	1400	1600	1800	2000	2200	2400
89	√	√	√								
108		√	√	√	√	√					
133			√	√	√	√	√	√	√		
159			√	√	√	√	√	√	√	√	√
194							√	√	√	√	√
219										√	√

1.3 Idler Spacing

Factors to consider when selecting idler spacing are capacity of bearing and sag of the belt, belt tension should be considered in order to obtain proper sag.

Maxium sag: $h_{max} = g(qG + qB) a / 8F_0$

h_{max} -Maxium sag m

qG -weight of goods Kg/m

qB -weight of belt Kg/m

a -Spacing of idler m

F_0 -Belt tension N

Carrier idler spacing is given in following table 2

Return idler spacing: 2.4-3m

Convex zone idler spacing :half of carrier idler spacing

Carrier idler spacing at loading point

The spacing determined by bulk density、 lump and altitude of falling bulk .general is spaced at 1/2-1/3 of carrier idler spacing .In the case of high density and high falling at 1.2-1.5 of idler diameter.

The spacing from the last troughing to terminal Pulleys :is given in figure 1 and table 3.

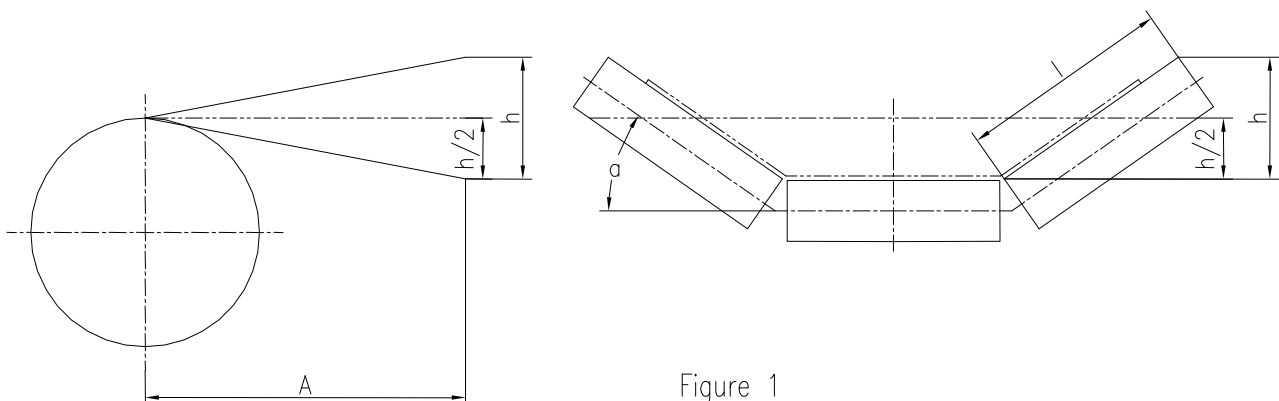


Figure 1

Table 2

Density Kg/m ³	Roller Width, mm			
	500、650	800、1000	1200、1400	1600、1800、2000、2200、2400
	Idler Spacing, mm			
≤1600	1200	1200	1200	1000

Table 3

Belt Width Rated tension, %	Various canvas convey belt	Steel cord convey belt
>90	1.6B	3.4B
60-90	1.3B	2.6B
<60	1.0B	1.8B

1.4 Rollers Speed

The recommended limited speed of rollers is 600r/min

The speed of this series rollers is listed in table 4

Table 4

Roller Diameter , (mm)	Roller Speed ,m/s									
	0.8	1	1.25	1.6	2	2.5	3.15	4	5	6.5
89	172	215	268	344	429	537				
108	145	177	215	283	354	442	557			
133		144	180	230	287	359	453	575		
159		120	150	192	240	300	379	481	601	
194			123	158	197	246	310	394	492	
219							275	349	436	567

1.5 Features of idler

Balance rotation for high speed operation idler rollers are made of best-suited materials ensure well-balanced

Rotation. Out-of-rotational balance in our idler rollers definitely stays less than the following in table 5.

Table 5

Roller Length ,mm	Out-of-rotational balance ,mm	
	Dia 133and less(≤133)	Dia more than 133(>133)
530	0.5	0.6
600~900	0.7	0.9
1000~1400	1.3	1.6
1500~2400	2.0	2.5

The idler with low rotation frictional resistance

After stops when 1 hour revolves,its revolving resistance doea not have to surpass Table 6valus 1.5 times.

Table 6

Idler dia.(mm)	The max revolving resistance(N)
89	3.5
108	3.0
133	2.6
159	2.6

Permanent lubrication

Idler used radial ball bearing(ZZ protection) which adopted double-surface sealing deep groove.

Grease for Bearings and seals

2# lithium grease filed at ball bearings and sealing section in factory

1.6 Structure of TS standard idler

Shaft

Accurate shaft worsted by machines specialized for rollers.

Pipe

Optimum pipe with accurate roundness and straightens to ensure well-balanced rotation when in operation.

Housing

Housing made of material cast on accurate mould ,and automatically welded to pipe simultaneously at both side .Rigid and mono-block structure so produced ensures to make it freeform any looseness between pipe and housing or breakage ,resulting provided with satisfactory durability for high-speed conveyor susceptible to expected big impact during operation.

Labyrinth sealing

Labyrinth sealing has fine sealing performance ,and so durable and has less rotation-resistance as to be of optimum structure ,particularly for a long-distance large capacity conveyor for bulk mater-proof type, whose performance is well proved satisfactory after our repeat-ed research and development.

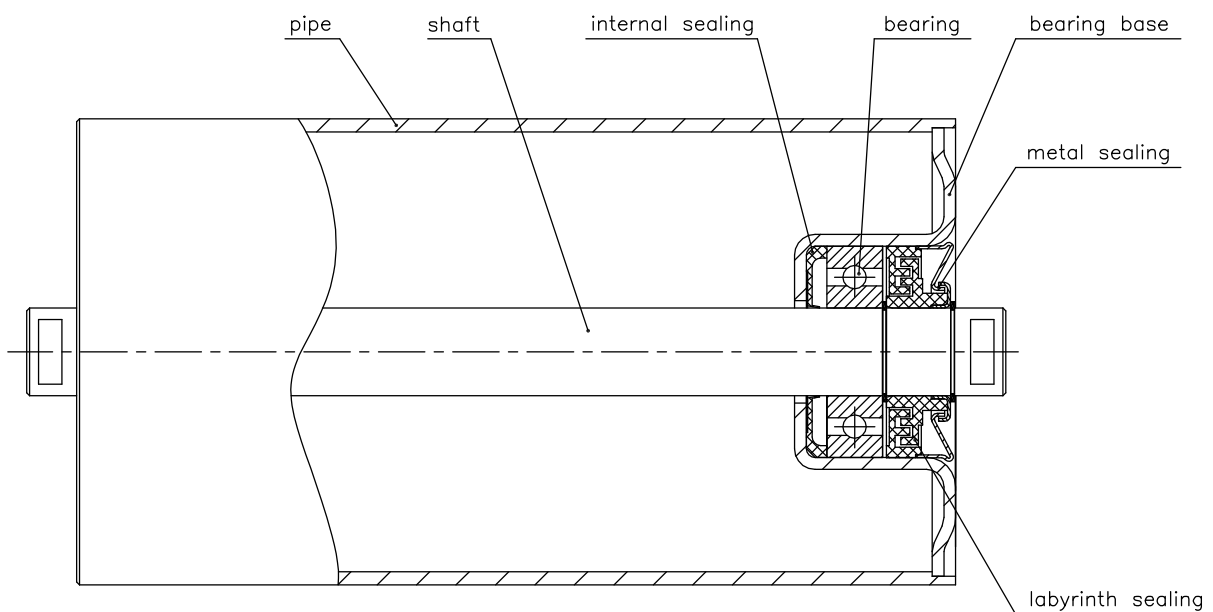


Figure 2

1.7 Idler selection and calculation procedure

The selection of idler is determined by multiplying factors for belt width、 idler spacing、 actual idler load、 adjusted load etc.

1.7.1 The relation of idler diameter and belt width see table 1,the relation of diameter of idler and belt speed see table 4

1.7.2 Bearing :The idler life is determined by the bearing life .so capacity of idler is relative to bearing life, select the proper roller from table 10 decide by calculation of loads.

1.7.3 Idler Spacing: Determined by the belt sag between two idlers.

1.7.4 Calculation of loads

1) Actual load calculation

Carrier idler:

$$P_0 = e \times a_0 \times (I_m / v + q_B) \times 9.8$$

P_0 -actual load of carrier idler, N

a_0 -carrier idler spacing, m

e -load factor of idler (see table 7)

q_B -weight of belt per meter, Kg/m

I_m -capacity of conveyor, Kg/S

$$\text{Return idler: } P_u = e \times a_u \times q_B \times 9.8$$

P_u -actual load of return idler, N

a_u -return idler spacing, m

2)Adjusted load calculation

$$\text{Carrier idler: } P_0' = P_0 \times f_s \times f_d \times f_a$$

$$\text{Return idler: } P_u' = P_u \times f_s \times f_a$$

P_0' -adjusted load of carrier idler, N

P_u' -adjusted load of return idler, N

f_s -service factor (see table 8)

f_d -impact factor (see table 9)

f_a -environmental factor (see table 10)

Calculate actual load P_0 (P_u)、 adjusted load P_0' (P_u'),

select the biggest one between P_0 (P_u) and P_0' (P_u'),

then select the proper idler from the idler capacity table 11.

Table 7 Load factor

Idler form	e
One Roller	1
Two Rollers	0.63
Three Rollers	0.8

Table 8 Service factor

Daily Operation ,h	f_s
<6	0.8
$\geq 6 \sim 9$	1
$> 9 \sim 16$	1.1
$> 18 \sim 20$	1.2

Table 9 Impact factor

Belt Speed , m/s Materials size, mm	2	2.5	3.15	3.5	4	5	6.5
0~100	1	1	1	1	1	1	1.05
>100~150	1.02	1.03	1.06	1.07	1.09	1.13	1.23
>150~300 Small amount of fine Bulk Materials	1.04	1.06	1.11	1.12	1.16	1.24	1.39
>150~300 Small amount of large block compound	1.06	1.09	1.14	1.16	1.21	1.35	1.57
>150~300	1.2	1.32	1.57	1.7	1.9	2.3	2.94

Table 10 Environmental factor

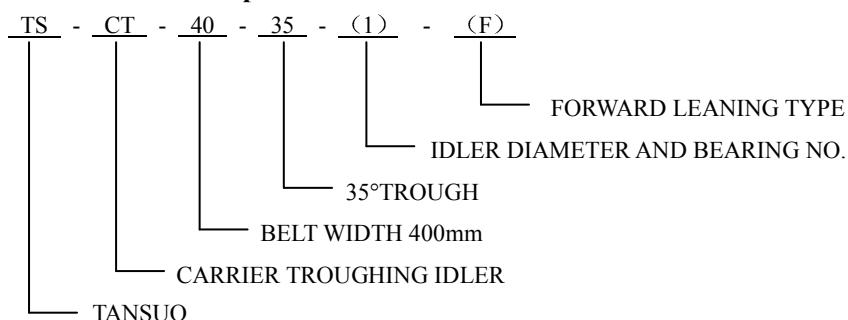
Working condition	f_a
Normal working conditions and maintenance	1
Wear or corrosion of materials	1.1
Abrasive materials higher	1.15

Table 11 Capacity of Roller

CARRYING CAPACITY OF SINGLE IDLER (N)						
Roller Length L (mm)	bearing					
	204	205 305	206 306	307	308	310
200	3020	5900	9630	11872	20260	38330
250	3020	5900	9630	11872	20260	38330
315	2510	5900	9630	11872	20260	38330
380	1950	4720	9410	11872	20260	38330
465	1500	3650	7250	11872	20260	38330
500	1370	3340	6620	11216	19140	38330
530	1270	3110	6160	10413	17770	38330
600	1090	2670	5290	8925	15230	36230
670	950	2330	4630	7794	13300	31660
700	900	2210	4390	7389	12610	30020
750	820	2030	4030	6798	11600	27630
800	750	1870	3730	6288	10730	25580
900	640	1600	3220	5456	9310	22230
950	590	1490	3000	5104	8710	20850
1000	540	1390	2810	4793	8180	19610
1050	500	1300	2640	4512	7700	18500
1100	460	1210	2470	4260	7270	17490
1120	450	1180	2410	4161	7100	17120
1150	420	1130	2330	4026	6870	16580
1250	360	980	2060	3616	6170	14970
1400	270	790	1720	3094	5280	12970
1500		680	1520	2801	4780	11850
1600		570	1330	2537	4330	10860
1700		470	1160	2297	3920	9960
1800		380	1000	2074	3540	9150
2000			700	1670	2850	7710
2200			410	1307	2230	6450
2500				815	1390	4780

CARRIER TROUGHING IDLER

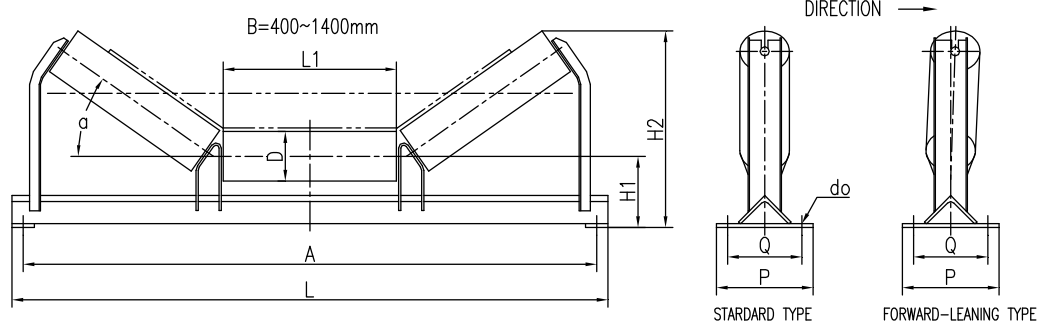
Denomination Example



Standard Installation Intervals of Carrier Idler

UNIT: mm

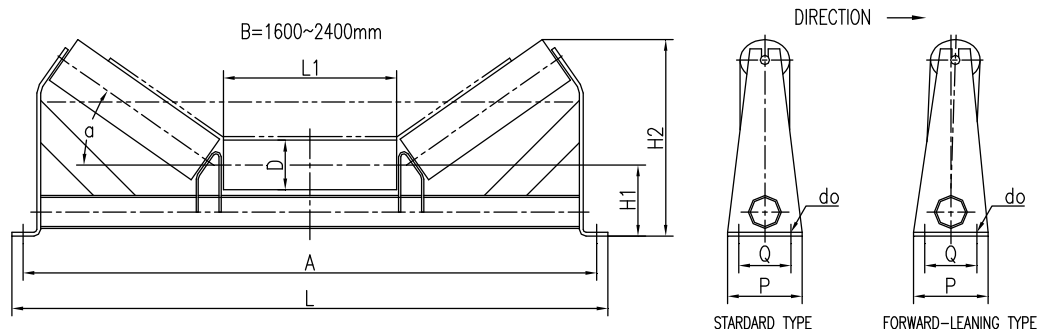
Belt width	400	450	500	600	650	750	800	900	1000	1050	1200	1400	1600	1800	2000	2200	2400
pitch	1300	1300	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1000	1000	1000	1000



Width	Model	Roller			Bearing No.	A	L	H ₁	H ₂		P	Q	d ₀	Weight(Kg)	
		Roller Type	D	L ₁					35°	45°				35°	45°
400	TS-CT-40	CR-89-204-145	89	145	204	640	690	125	256	276	190	140	M12	16	17
450	TS-CT-45	CR-89-204-165	89	165	204	690	740	125	267	290	190	140	M12	17	18
500	TS-CT-50	CR -89-204-200	89	200	204	740	800	135.5	300	328	170	130	M12	19	20
600	TS-CT-60	CR -89-204-210	89	210	204	840	890	140	308	337	200	150	M12	20	21
650	TS-CT-65	CR -89-204-250	89	250	204	890	950	135.5	329	364	170	130	M12	22	23
750	TS-CT-75	CR -114.3-205-265	114.3	265	205	1040	1090	150	363	398	210	160	M12	24	25
800	TS-CT-80-1	CR -89-204-315	89	315	204	1090	1150	135.5	366	410	170	130	M12	25	26
	TS-CT-80-2	CR -108-205-315	108	315	205	1090	1150	146	385	427	170	130	M12	31	32
900	TS-CT-90	CR -114.3-305-315	114.3	315	305	1190	1240	150	391	434	210	160	M12	33	34
1000	TS-CT-100-1	CR -108-305-380	108	380	305	1290	1350	159	437	487	220	170	M16	46	48
	TS-CT-100-2	CR -133-305-380	133	380	305	1290	1350	173.5	462	515	220	170	M16	53	55
1050	TS-CT-105	CR -139.8-305-370	139.8	370	305	1340	1390	180	467	516	230	180	M12	55	57
1200	TS-CT-120-1	CR -108-305-465	108	465	305	1540	1600	176	503	564	260	200	M16	61	63
	TS-CT-120-2	CR -133-305-465	133	465	305	1540	1600	190.5	528	592	260	200	M16	67	69
	TS-CT-120-3	CR -133-306-465	133	465	306	1540	1600	190.5	528	592	260	200	M16	83	85
	TS-CT-120-4	CR -139.8-305-420	139.8	420	305	1490	1540	180	495	551	230	180	M16	65	67
	TS-CT-120-5	CR -139.8-306-420	139.8	420	306	1490	1540	180	495	551	230	180	M16	81	83
	TS-CT-120-6	CR -159-305-465	159	465	305	1540	1600	207.5	557	618	260	200	M16	78	80
	TS-CT-120-7	CR -159-306-465	159	465	306	1540	1600	207.5	557	618	260	200	M16	93	95

CARRIER TROUGHING IDLER

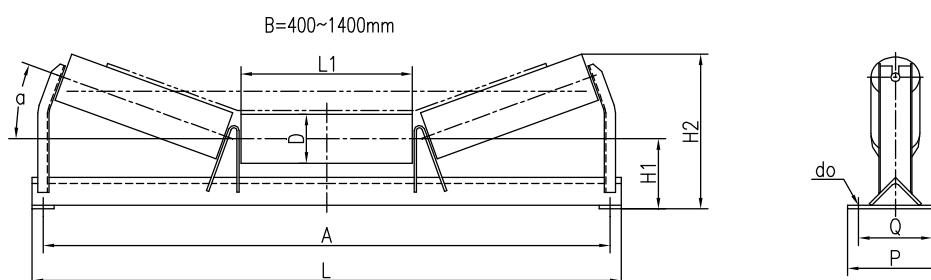
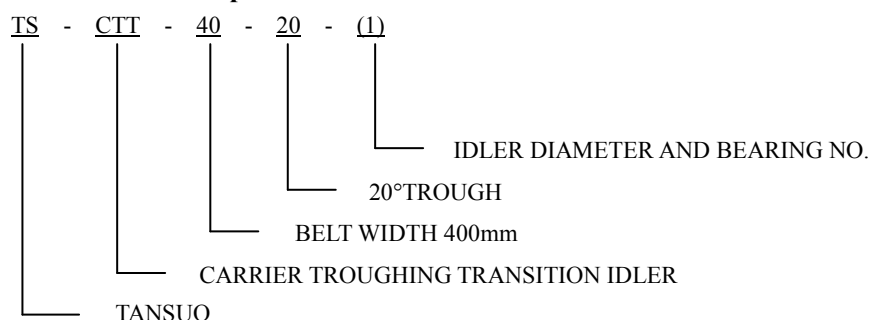
Width	Model	Roller			Bearing No.	A	L	H ₁	H ₂		P	Q	d ₀	Weight(Kg)	
		Roller Type	D	L ₁					35°	45°				35°	45°
1400	TS-CT-140-1	CR-108-305-530	108	530	305	1740	1800	184	548	618	280	220	M16	69	71
	TS-CT-140-2	CR-133-305-530	133	530	305	1740	1800	198.5	573	646	280	220	M16	76	78
	TS-CT-140-3	CR-133-306-530	133	530	306	1740	1800	198.5	573	646	280	220	M16	100	102
	TS-CT-140-4	CR-159-305-530	159	530	305	1740	1800	215.5	603	672	280	220	M16	88	90
	TS-CT-140-5	CR-159-306-530	159	530	306	1740	1800	215.5	603	672	280	220	M16	113	115
	TS-CT-140-6	CR-165.2-305-500	165.2	500	305	1730	1795	250	625	690	340	280	M16	87	89
	TS-CT-140-7	CR-165.2-306-500	165.2	500	306	1730	1795	250	625	690	340	280	M16	112	114



Width	Model	Roller			Bearing No.	A	L	H ₁	H ₂		P	Q	d ₀	Weight(Kg)	
		Roller Type	D	L ₁					35°	45°				35°	45°
1600	TS-CT-160-1	CR-133-305-600	133	600	305	1980	2050	208.5	620	707	200	140	M16	102	104
	TS-CT-160-2	CR-133-306-600	133	600	306	1980	2050	208.5	620	707	200	140	M16	111	112
	TS-CT-160-3	CR-159-306-600	159	600	306	1980	2050	230.5	655	738	200	140	M16	113	115
	TS-CT-160-4	CR-159-308-600	159	600	308	1980	2050	230.5	655	738	200	140	M16	134	136
	TS-CT-160-5	CR-165.2-306-580	165.2	580	306	1930	1995	250.4	670	747	200	140	M16	113	115
	TS-CT-160-6	CR-165.2-308-580	165.2	580	308	1930	1995	250.4	670	747	200	140	M16	134	136
1800	TS-CT-180-1	CR-133-305-670	133	670	305	2180	2250	208.5	660	753	200	140	M16	115	117
	TS-CT-180-2	CR-133-306-670	133	670	306	2180	2250	208.5	660	753	200	140	M16	125	127
	TS-CT-180-3	CR-159-306-670	159	670	306	2180	2250	230.5	695	788	200	140	M16	128	130
	TS-CT-180-4	CR-159-308-670	159	670	308	2180	2250	240.5	710	803	200	140	M16	151	153
	TS-CT-180-5	CR-165.2-306-650	165.2	650	306	2200	2285	280.4	741	833	200	140	M16	126	128
	TS-CT-180-6	CR-165.2-308-650	165.2	650	308	2200	2285	280.4	741	833	200	140	M16	149	151
2000	TS-CT-200-1	CR-159-306-750	159	750	306	2420	2500	240.5	751	855	220	160	M16	152	155
	TS-CT-200-2	CR-159-308-750	159	750	308	2420	2500	250.5	761	865	220	160	M16	185	188
	TS-CT-200-3	CR-165.2-306-730	165.2	730	306	2420	2485	280.4	786	890	220	160	M16	153	156
	TS-CT-200-4	CR-165.2-308-730	165.2	730	308	2420	2485	280.4	786	890	220	160	M16	186	189
	TS-CT-200-5	CR-194-308-750	194	750	308	2420	2500	283	811	909	250	190	M16	219	222
	TS-CT-200-6	CR-194-310-750	194	750	310	2420	2500	283	811	909	250	190	M16	240	243
2200	TS-CT-220-1	CR-159-306-800	159	800	306	2420	2500	250.5	795	900	250	190	M16	184	187
	TS-CT-220-2	CR-159-308-800	159	800	308	2720	2800	265.5	805	910	250	190	M16	201	204
	TS-CT-220-3	CR-165.2-306-800	165.2	800	306	2720	2800	251.4	809	917	250	190	M16	185	188
	TS-CT-220-4	CR-165.2-308-800	165.2	800	308	2720	2800	265.4	809	917	250	190	M16	202	205
	TS-CT-220-5	CR-194-308-800	194	800	308	2720	2800	283	839	945	250	190	M16	238	241
	TS-CT-220-6	CR-194-310-800	194	800	310	2720	2800	293	849	955	250	190	M16	276	279
2400	TS-CT-240-1	CR-159-308-900	159	900	308	3020	3100	285.5	885	1006	250	190	M20	233	236
	TS-CT-240-2	CR-159-310-900	159	900	310	3020	3100	285.5	885	1006	250	190	M20	251	254
	TS-CT-240-3	CR-165.2-308-900	165.2	900	308	3020	3100	285.4	887	1008	250	190	M20	234	237
	TS-CT-240-4	CR-165.2-310-900	165.2	900	310	3020	3100	285.4	887	1008	250	190	M20	252	255
	TS-CT-240-5	CR-194-308-900	194	900	308	3020	3100	293	907	1026	250	190	M20	289	292
	TS-CT-240-6	CR-194-310-900	194	900	310	3020	3100	313	927	1046	250	190	M20	330	333

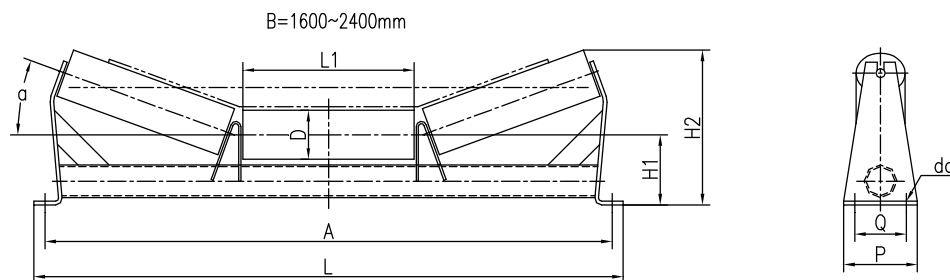
CARRIER TROUGHING TRANSITION IDLER

Denomination Example



Width	Model	Roller			Bearing No.	A	L	H ₁	H ₂			P	Q	d ₀	Weight(Kg)		
		Roller Type	D	L ₁					10°	20°	30°				10°	20°	30°
400	TS-CTT-40	CR-89-204-145	89	145	204	640	690	125	198	223	246	190	140	M12	14	15	16
450	TS-CTT-45	CR-89-204-165	89	165	204	690	740	125	201	230	256	190	140	M12	15	16	17
500	TS-CTT-50	CR -89-204-200	89	200	204	740	800	135.5	218	254	288	170	130	M12	16	17	18
600	TS-CTT-60	CR -89-204-210	89	210	204	840	890	140	224	260	293	200	150	M12	17	18	19
650	TS-CTT-65	CR -89-204-250	89	250	204	890	950	135.5	226	271	313	170	130	M12	19	20	21
750	TS-CTT-75	CR -114.3-205-265	114.3	265	205	1040	1090	150	257	301	344	210	160	M12	21	22	23
800	TS-CTT-80-1	CR -89-204-315	89	315	204	1090	1150	135.5	237	293	343	170	130	M12	22	23	24
	TS-CTT-80-2	CR -108-205-315	108	315	205	1090	1150	146	258	312	362	170	130	M12	28	29	30
900	TS-CTT-90	CR -114.3-305-315	114.3	315	305	1190	1240	150	264	318	369	210	160	M12	31	31	32
1000	TS-CTT-100-1	CR -108-305-380	108	380	305	1290	1350	159	283	348	409	220	170	M16	41	43	45
	TS-CTT-100-2	CR -133-305-380	133	380	305	1290	1350	173.5	309	374	434	220	170	M16	48	50	52
1050	TS-CTT-105	CR -139.8-305-370	139.8	370	305	1340	1390	180	318	381	441	230	180	M12	50	52	54
1200	TS-CTT-120-1	CR -108-305-465	108	465	305	1540	1600	176	314	394	469	260	200	M16	56	58	60
	TS-CTT-120-2	CR -133-305-465	133	465	305	1540	1600	190.5	341	420	494	260	200	M16	62	64	66
	TS-CTT-120-3	CR -133-306-465	133	465	306	1540	1600	190.5	341	420	494	260	200	M16	78	80	82
	TS-CTT-120-4	CR -139.8-305-420	139.8	420	305	1490	1540	180	307	398	466	230	180	M16	60	62	64
	TS-CTT-120-5	CR -139.8-306-420	139.8	420	306	1490	1540	180	307	398	466	230	180	M16	76	78	80
	TS-CTT-120-6	CR -159-305-465	159	465	305	1540	1600	207.5	371	449	522	260	200	M16	73	75	77
	TS-CTT-120-7	CR -159-306-465	159	465	306	1540	1600	207.5	371	449	522	260	200	M16	88	90	92
1400	TS-CTT-140-1	CR-108-305-530	108	530	305	1740	1800	184	334	424	509	280	220	M16	64	66	68
	TS-CTT-140-2	CR-133-305-530	133	530	305	1740	1800	198.5	360	451	534	280	220	M16	71	73	75
	TS-CTT-140-3	CR-133-306-530	133	530	306	1740	1800	198.5	360	451	534	280	220	M16	75	97	99
	TS-CTT-140-4	CR-159-305-530	159	530	305	1740	1800	215.5	377	468	551	280	220	M16	83	85	87
	TS-CTT-140-5	CR-159-306-530	159	530	306	1740	1800	215.5	377	468	551	280	220	M16	108	110	112
	TS-CTT-140-6	CR-165.2-305-500	165.2	500	305	1730	1795	250	422	508	589	340	280	M16	82	84	86
	TS-CT-140-7	CR-165.2-306-500	165.2	500	306	1730	1795	250	422	508	589	340	280	M16	107	109	111

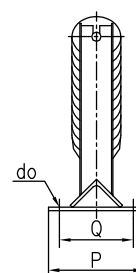
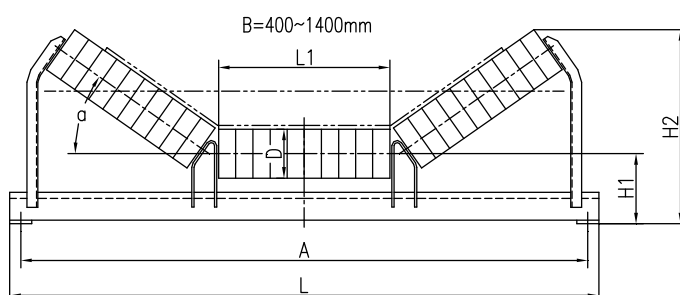
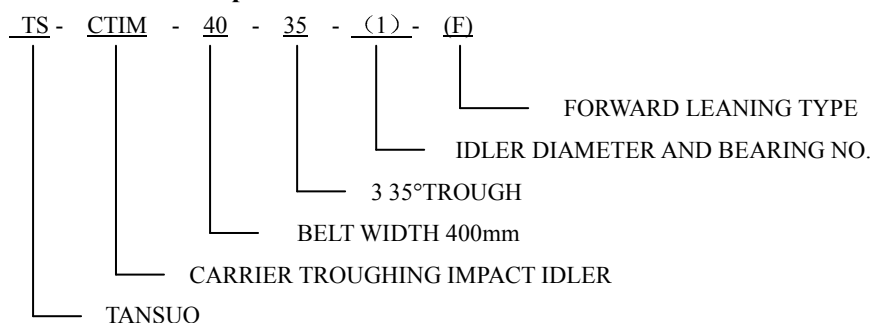
CARRIER TROUGHING TRANSITION IDLER



Width	Model	Roller			Bearing No.	A	L	H ₁	H ₂			P	Q	d ₀	Weight(Kg)		
		Roller Type	D	L ₁					10°	20°	30°				10°	20°	30°
1600	TS-CTT-160-1	CR-133-305-600	133	600	305	1980	2050	208.5	382	484	580	200	140	M16	97	99	101
	TS-CTT-160-2	CR-133-306-600	133	600	306	1980	2050	208.5	382	484	581	200	140	M16	106	108	110
	TS-CTT-160-3	CR-159-306-600	159	600	306	1980	2050	230.5	417	518	613	200	140	M16	108	110	112
	TS-CTT-160-4	CR-159-308-600	159	600	308	1980	2050	230.5	417	518	613	200	140	M16	129	131	133
	TS-CTT-160-5	CR-165.2-306-580	165.2	580	306	1930	1995	250.4	436	535	629	200	140	M16	108	110	112
	TS-CTT-160-6	CR-165.2-308-580	165.2	580	308	1930	1995	250.4	436	535	629	200	140	M16	129	131	133
1800	TS-CTT-180-1	CR-133-305-670	133	670	305	2180	2250	208.5	394	508	615	200	140	M16	110	112	114
	TS-CTT-180-2	CR-133-306-670	133	670	306	2180	2250	208.5	429	508	615	200	140	M16	120	122	124
	TS-CTT-180-3	CR-159-306-670	159	670	306	2180	2250	230.5	429	542	648	200	140	M16	123	125	127
	TS-CTT-180-4	CR-159-308-670	159	670	308	2180	2250	240.5	429	552	658	200	140	M16	146	148	150
	TS-CTT-180-5	CR-165.2-306-650	165.2	650	306	2200	2285	280.4	478	589	694	200	140	M16	121	123	125
	TS-CTT-180-6	CR-165.2-308-650	165.2	650	308	2200	2285	280.4	478	589	694	200	140	M16	144	146	148
2000	TS-CTT-200-1	CR-159-306-750	159	750	306	2420	2500	240.5	453	590	698	220	160	M16	144	147	150
	TS-CTT-200-2	CR-159-308-750	159	750	308	2420	2500	250.5	463	600	708	220	160	M16	177	180	183
	TS-CTT-200-3	CR-165.2-306-730	165.2	730	306	2420	2485	280.4	492	617	734	220	160	M16	145	148	151
	TS-CTT-200-4	CR-165.2-308-730	165.2	730	308	2420	2485	280.4	492	617	734	220	160	M16	178	181	184
	TS-CTT-200-5	CR-194-308-750	194	750	308	2420	2500	283	512	639	756	250	190	M16	211	214	217
	TS-CTT-200-6	CR-194-210-750	194	750	310	2420	2500	283	512	639	756	250	190	M16	232	235	238
2200	TS-CTT-220-1	CR-159-306-800	159	800	306	2420	2500	250.5	471	607	733	250	190	M16	176	179	182
	TS-CTT-220-2	CR-159-308-800	159	800	308	2720	2800	265.5	486	622	748	250	190	M16	193	196	199
	TS-CTT-220-3	CR-165.2-306-800	165.2	800	306	2720	2800	251.4	475	611	737	250	190	M16	177	180	183
	TS-CTT-220-4	CR-165.2-308-800	165.2	800	308	2720	2800	265.4	489	625	751	250	190	M16	194	197	200
	TS-CTT-220-5	CR-194-308-800	194	800	308	2720	2800	283	521	656	781	250	190	M16	230	233	236
	TS-CTT-220-6	CR-194-310-800	194	800	310	2720	2800	293	531	666	791	250	190	M16	268	271	274
2400	TS-CTT-240-1	CR-159-308-900	159	900	308	3020	3100	285.5	523	676	818	250	190	M20	225	228	231
	TS-CTT-240-2	CR-159-309-900	159	900	309	3020	3100	285.5	523	676	818	250	190	M20	243	246	249
	TS-CTT-240-3	CR-165.2-308-900	165.2	900	308	3020	3100	285.4	527	679	821	250	190	M20	226	229	232
	TS-CTT-240-4	CR-165.2-309-900	165.2	900	309	3020	3100	285.4	527	679	821	250	190	M20	244	247	250
	TS-CTT-240-5	CR-194-308-900	194	900	308	3020	3100	293	549	700	841	250	190	M20	281	284	287
	TS-CTT-240-6	CR-194-310-900	194	900	310	3020	3100	313	569	720	861	250	190	M20	322	325	328

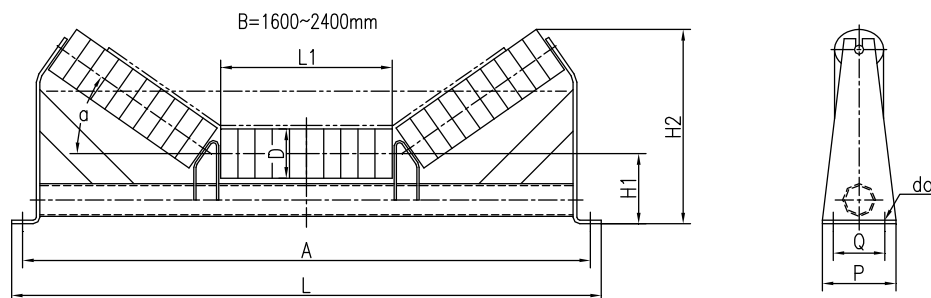
CARRIER TROUGHING IMPACT IDLER

Denomination Example



Width	Model	Roller			Bearing No.	A	L	H ₁	H ₂		P	Q	d ₀	Weight(Kg)	
		Roller Type	D	L ₁					35°	45°				35°	45°
400	TS-CTIM-40	CIMR-89-204-145	89	145	204	640	690	125	256	276	190	140	M12	23	23
450	TS-CTIM-45	CIMR-89-204-165	89	165	204	690	740	125	267	290	190	140	M12	24	24
500	TS-CTIM-50	CIMR-89-204-180	89	180	204	740	800	135.5	300	328	170	130	M12	26	27
600	TS-CTIM-60	CIMR-89-204-210	89	210	204	840	890	140	308	337	200	150	M12	27	28
650	TS-CTIM-65	CIMR-89-204-250	89	250	204	890	950	135.5	329	364	170	130	M12	31	32
750	TS-CTIM-75	CIMR-114.3-205-265	114.3	265	205	1040	1090	150	363	398	210	160	M12	36	37
800	TS-CTIM-80-1	CIMR-89-204-315	89	315	204	1090	1150	135.5	366	410	170	130	M12	37	38
	TS-CTIM-80-2	CIMR-108-205-315	108	315	205	1090	1150	146	385	427	170	130	M12	47	48
900	TS-CTIM-90	CIMR-114.3-305-315	114.3	315	305	1190	1240	150	391	434	210	160	M12	50	51
1000	TS-CTIM-100-1	CIMR-108-305-380	108	380	305	1290	1350	159	437	487	220	170	M16	60	62
	TS-CTIM-100-2	CIMR-133-305-380	133	380	305	1290	1350	173.5	462	515	220	170	M16	62	64
1050	TS-CTIM-105	CIMR-139.8-305-370	139.8	370	305	1340	1390	180	467	516	230	180	M12	64	61
1200	TS-CTIM-120-1	CIMR-108-305-465	108	465	305	1540	1600	176	503	564	260	200	M16	79	81
	TS-CTIM-120-2	CIMR-133-305-465	133	465	305	1540	1600	190.5	528	592	260	200	M16	86	88
	TS-CTIM-120-3	CIMR-133-306-465	133	465	306	1540	1600	190.5	528	592	260	200	M16	89	81
	TS-CTIM-120-4	CIMR-139.8-305-420	139.8	420	305	1490	1540	180	495	551	230	180	M16	84	86
	TS-CTIM-120-5	CIMR-139.8-306-420	139.8	420	306	1490	1540	180	495	551	230	180	M16	87	89
	TS-CTIM-120-6	CIMR-159-305-465	159	465	305	1540	1600	207.5	557	618	260	200	M16	96	98
	TS-CTIM-120-7	CIMR-159-306-465	159	465	306	1540	1600	207.5	557	618	260	200	M16	101	103
1400	TS-CTIM-140-1	CIMR-108-305-530	108	530	305	1740	1800	184	548	618	280	220	M16	85	87
	TS-CTIM-140-2	CIMR-133-305-530	133	530	305	1740	1800	198.5	573	646	280	220	M16	96	98
	TS-CTIM-140-3	CIMR-133-306-530	133	530	306	1740	1800	198.5	573	646	280	220	M16	103	105
	TS-CTIM-140-4	CIMR-159-305-530	159	530	305	1740	1800	215.5	603	672	280	220	M16	106	108
	TS-CTIM-140-5	CIMR-159-306-530	159	530	306	1740	1800	215.5	603	672	280	220	M16	118	120
	TS-CTIM-140-6	CIMR-165.2-305-500	165.2	500	305	1730	1795	250	625	690	340	280	M16	106	108
	TS-CTIM-140-7	CIMR-165.2-306-500	165.2	500	306	1730	1795	250	625	690	340	280	M16	118	120

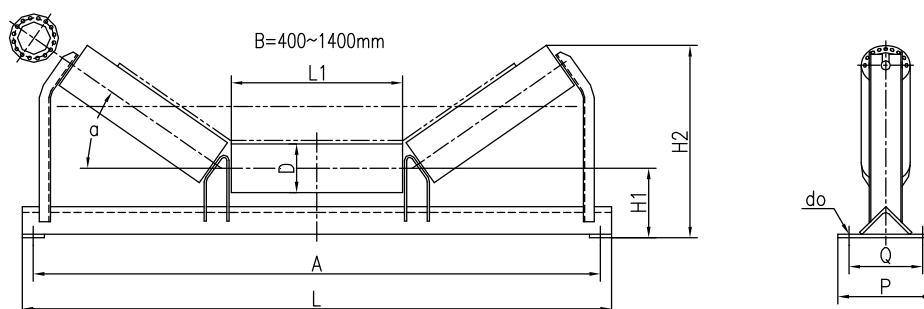
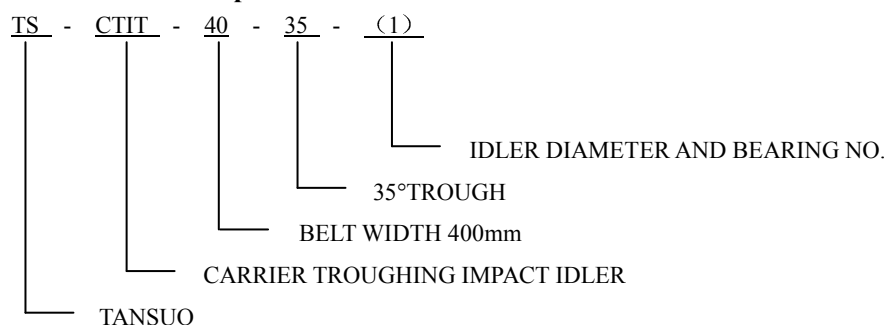
CARRIER TROUGHING IMPACT IDLER



Width	Model	Roller			Bearing No.	A	L	H ₁	H ₂		P	Q	d ₀	Weight(Kg)	
		Roller Type	D	L ₁					35°	45°				35°	45°
1600	TS-CTIM-160-1	CIMR-133-305-600	133	600	305	1980	2050	208.5	620	707	200	140	M16	112	114
	TS-CTIM-160-2	CIMR-133-306-600	133	600	306	1980	2050	208.5	620	707	200	140	M16	122	124
	TS-CTIM-160-3	CIMR-159-306-600	159	600	306	1980	2050	230.5	655	738	200	140	M16	124	126
	TS-CTIM-160-4	CIMR-159-308-600	159	600	308	1980	2050	230.5	655	738	200	140	M16	147	149
	TS-CTIM-160-5	CIMR-165.2-306-580	165.2	580	306	1930	1995	250.4	670	747	200	140	M16	124	126
	TS-CTIM-160-6	CIMR-165.2-308-580	165.2	580	308	1930	1995	250.4	670	747	200	140	M16	147	149
1800	TS-CTIM-180-1	CIMR-133-305-670	133	670	305	2180	2250	208.5	660	753	200	140	M16	127	129
	TS-CTIM-180-2	CIMR-133-306-670	133	670	306	2180	2250	208.5	660	753	200	140	M16	138	140
	TS-CTIM-180-3	CIMR-159-306-670	159	670	306	2180	2250	230.5	695	788	200	140	M16	141	143
	TS-CTIM-180-4	CIMR-159-308-670	159	670	308	2180	2250	240.5	710	798	200	140	M16	166	168
	TS-CTIM-180-5	CIMR-165.2-306-650	165.2	650	306	2200	2285	280.4	741	833	200	140	M16	139	141
	TS-CTIM-180-6	CIMR-165.2-308-650	165.2	650	308	2200	2285	280.4	741	833	200	140	M16	166	168
2000	TS-CTIM-200-1	CIMR-159-306-750	159	750	306	2420	2500	240.5	751	855	220	160	M16	165	168
	TS-CTIM-200-2	CIMR-159-308-750	159	750	308	2420	2500	250.5	761	865	220	160	M16	202	205
	TS-CTIM-200-3	CIMR-165.2-306-730	165.2	730	306	2420	2485	280.4	786	890	220	160	M16	165	168
	TS-CTIM-200-4	CIMR-165.2-308-730	165.2	730	308	2420	2485	280.4	786	890	220	160	M16	202	205
	TS-CTIM-200-5	CIMR-194-308-750	194	750	308	2420	2500	283	811	909	250	190	M16	231	234
	TS-CTIM-200-6	CIMR-194-310-750	194	750	310	2420	2500	283	811	909	250	190	M16	255	258
2200	TS-CTIM-220-1	CIMR-159-306-800	159	800	306	2420	2500	250.5	795	900	250	190	M16	204	207
	TS-CTIM-220-2	CIMR-159-308-800	159	800	308	2720	2800	265.5	805	910	250	190	M16	222	225
	TS-CTIM-220-3	CIMR-165.2-306-800	165.2	800	306	2720	2800	251.4	809	917	250	190	M16	207	210
	TS-CTIM-220-4	CIMR-165.2-308-800	165.2	800	308	2720	2800	265.4	809	917	250	190	M16	225	228
	TS-CTIM-220-5	CIMR-194-308-800	194	800	308	2720	2800	283	839	945	250	190	M16	267	270
	TS-CTIM-220-6	CIMR-194-310-800	194	800	310	2720	2800	293	849	955	250	190	M16	295	298
2400	TS-CTIM-240-1	CIMR-159-308-900	159	900	308	3020	3100	285.5	885	1006	250	190	M20	272	275
	TS-CTIM-240-2	CIMR-159-309-900	159	900	309	3020	3100	285.5	885	1006	250	190	M20	295	298
	TS-CTIM-240-3	CIMR-165.2-308-900	165.2	900	308	3020	3100	285.4	887	1008	250	190	M20	274	277
	TS-CTIM-240-4	CIMR-165.2-309-900	165.2	900	309	3020	3100	285.4	887	1008	250	190	M20	297	300
	TS-CTIM-240-5	CIMR-194-308-900	194	900	308	3020	3100	293	907	1026	250	190	M20	321	324
	TS-CTIM-240-6	CIMR-194-310-900	194	900	310	3020	3100	313	927	1046	250	190	M20	351	354

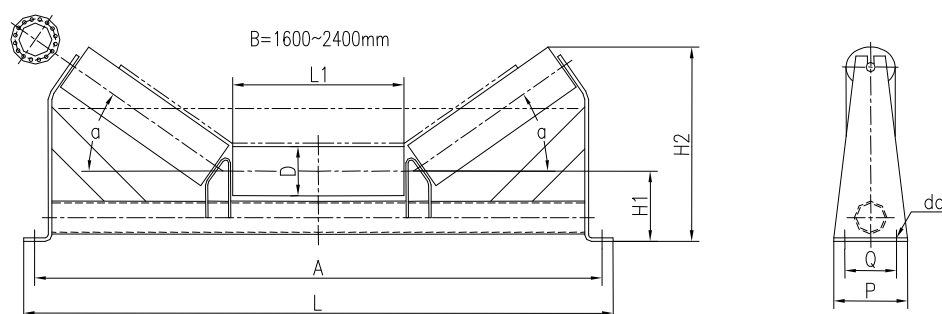
CARRIER TROUGHING IMPACT IDLER

Denomination Example



Width	Model	Roller			Bearing No.	A	L	H ₁	H ₂		P	Q	d ₀	Weight(Kg)	
		Roller Type	D	L ₁					35°	45°				35°	45°
400	TS-CTIT-40	CITR-89-204-145	89	145	204	640	690	125	256	276	190	140	M12	23	23
450	TS-CTIT-45	CITR-89-204-165	89	165	204	690	740	125	267	290	190	140	M12	24	24
500	TS-CTIT-50	CITR-89-204-200	89	200	204	740	800	135.5	300	328	170	130	M12	26	27
600	TS-CTIT-60	CITR-89-204-210	89	210	204	840	890	140	308	337	200	150	M12	27	28
650	TS-CTIT-65	CITR-89-204-250	89	250	204	890	950	135.5	329	364	170	130	M12	31	32
750	TS-CTIT-75	CITR-114.3-205-265	114.3	265	205	1040	1090	150	363	398	210	160	M12	36	37
800	TS-CTIT-80-1	CITR-89-204-315	89	315	204	1090	1150	135.5	366	410	170	130	M12	37	38
	TS-CTIT-80-2	CITR-108-205-315	108	315	205	1090	1150	146	385	427	170	130	M12	47	48
900	TS-CTIT-90	CITR-114.3-305-315	114.3	315	305	1190	1240	150	391	434	210	160	M12	50	51
1000	TS-CTIT-100-1	CITR -108-305-380	108	380	305	1290	1350	159	437	487	220	170	M16	60	62
	TS-CTIT-100-2	CITR -133-305-380	133	380	305	1290	1350	173.5	462	515	220	170	M16	62	64
1050	TS-CTIT-105	CITR -139.8-305-370	139.8	370	305	1340	1390	180	467	516	230	180	M12	64	66
1200	TS-CTIT-120-1	CITR -108-305-465	108	465	305	1540	1600	176	503	564	260	200	M16	79	81
	TS-CTIT-120-2	CITR -133-305-465	133	465	305	1540	1600	190.5	528	592	260	200	M16	86	88
	TS-CTIT-120-3	CITR -133-306-465	133	465	306	1540	1600	190.5	528	592	260	200	M16	89	91
	TS-CTIT-120-4	CITR -139.8-305-420	139.8	420	305	1490	1540	180	495	551	230	180	M16	84	86
	TS-CTIT-120-5	CITR -139.8-306-420	139.8	420	306	1490	1540	180	495	551	230	180	M16	87	89
	TS-CTIT-120-6	CITR -159-305-465	159	465	305	1540	1600	207.5	557	618	260	200	M16	96	98
	TS-CTIT-120-7	CITR -159-306-465	159	465	306	1540	1600	207.5	557	618	260	200	M16	101	103
1400	TS-CTIT-140-1	CITR-108-305-530	108	530	305	1740	1800	184	548	618	280	220	M16	85	87
	TS-CTIT-140-2	CITR-133-305-530	133	530	305	1740	1800	198.5	573	646	280	220	M16	96	98
	TS-CTIT-140-3	CITR-133-306-530	133	530	306	1740	1800	198.5	573	646	280	220	M16	103	105
	TS-CTIT-140-4	CITR-159-305-530	159	530	305	1740	1800	215.5	603	672	280	220	M16	106	108
	TS-CTIT-140-5	CITR-159-306-530	159	530	306	1740	1800	215.5	603	672	280	220	M16	118	120
	TS-CTIT-140-6	CITR-165.2-305-500	165.2	500	305	1730	1795	250	625	690	340	280	M16	106	108
	TS-CTIT-140-7	CITR-165.2-306-500	165.2	500	306	1730	1795	250	625	690	340	280	M16	118	120

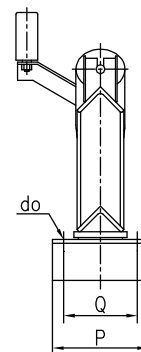
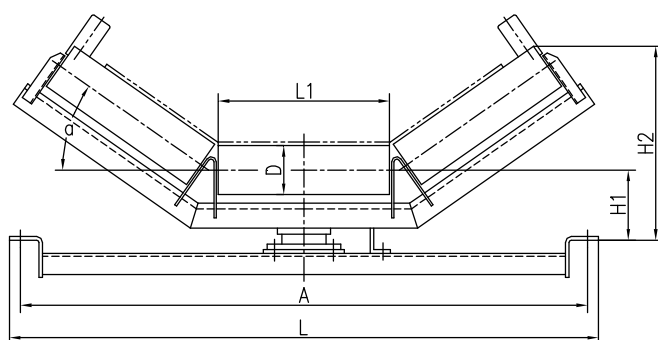
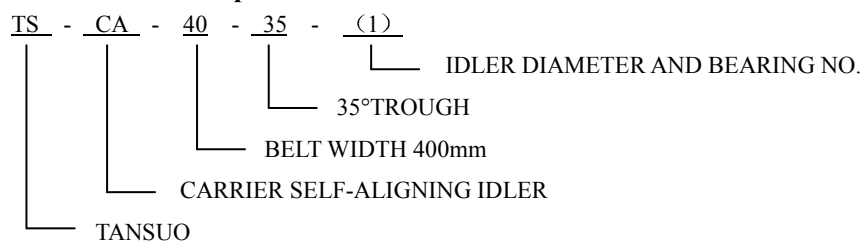
CARRIER TROUGHING IMPACT IDLER



Width	Model	Roller			Bearing No.	A	L	H ₁	H ₂		P	Q	d ₀	Weight(Kg)	
		Roller Type	D	L ₁					35°	45°				35°	45°
1600	TS-CTIT-160-1	CITR-133-305-600	133	600	305	1980	2050	208.5	620	707	200	140	M16	112	114
	TS-CTIT-160-2	CITR-133-306-600	133	600	306	1980	2050	208.5	620	707	200	140	M16	122	124
	TS-CTIT-160-3	CITR-159-306-600	159	600	306	1980	2050	230.5	655	738	200	140	M16	124	126
	TS-CTIT-160-4	CITR-159-308-600	159	600	308	1980	2050	230.5	655	738	200	140	M16	147	149
	TS-CTIT-160-5	CITR-165.2-306-580	165.2	580	306	1930	1995	250.4	670	747	200	140	M16	124	126
	TS-CTIT-160-6	CITR-165.2-308-580	165.2	580	308	1930	1995	250.4	670	747	200	140	M16	147	149
1800	TS-CTIT-180-1	CITR-133-305-670	133	670	305	2180	2250	208.5	660	753	200	140	M16	127	129
	TS-CTIT-180-2	CITR-133-306-670	133	670	306	2180	2250	208.5	660	753	200	140	M16	138	140
	TS-CTIT-180-3	CITR-159-306-670	159	670	306	2180	2250	230.5	695	788	200	140	M16	141	143
	TS-CTIT-180-4	CITR-159-308-670	159	670	308	2180	2250	240.5	710	798	200	140	M16	166	168
	TS-CTIT-180-5	CITR-165.2-306-650	165.2	650	306	2200	2285	280.4	741	833	200	140	M16	139	141
	TS-CTIT-180-6	CITR-165.2-308-650	165.2	650	308	2200	2285	280.4	741	833	200	140	M16	166	168
2000	TS-CTIT-200-1	CITR-159-306-750	159	750	306	2420	2500	240.5	751	855	220	160	M16	165	168
	TS-CTIT-200-2	CITR-159-308-750	159	750	308	2420	2500	250.5	761	865	220	160	M16	202	205
	TS-CTIT-200-3	CITR165.2-306-730	165.2	730	306	2420	2485	280.4	786	890	220	160	M16	165	168
	TS-CTIT-200-4	CITR-165.2-308-730	165.2	730	308	2420	2485	280.4	786	890	220	160	M16	202	205
	TS-CTIT-200-5	CITR-194-308-750	194	750	308	2420	2500	283	811	909	250	190	M16	231	234
	TS-CTIT-200-6	CITR-194-210-750	194	750	310	2420	2500	283	811	909	250	190	M16	255	258
2200	TS-CTIT-220-1	CITR-159-306-800	159	800	306	2420	2500	250.5	795	900	250	190	M16	204	207
	TS-CTIT-220-2	CITR-159-308-800	159	800	308	2720	2800	265.5	805	910	250	190	M16	222	225
	TS-CTIT-220-3	CITR-165.2-306-800	165.2	800	306	2720	2800	251.4	809	917	250	190	M16	207	210
	TS-CTIT-220-4	CITR-165.2-308-800	165.2	800	308	2720	2800	265.4	809	917	250	190	M16	225	228
	TS-CTIT-220-5	CITR-194-308-800	194	800	308	2720	2800	283	839	945	250	190	M16	267	270
	TS-CTIT-220-6	CITR-194-310-800	194	800	310	2720	2800	293	849	955	250	190	M16	295	298
2400	TS-CTIT-240-1	CITR-159-308-900	159	900	308	3020	3100	285.5	885	1006	250	190	M20	272	275
	TS-CTIT-240-2	CITR-159-310-900	159	900	310	3020	3100	285.5	885	1006	250	190	M20	295	298
	TS-CTIT-240-3	CITR-165.2-308-900	165.2	900	308	3020	3100	285.4	887	1008	250	190	M20	274	277
	TS-CTIT-240-4	CITR-165.2-310-900	165.2	900	310	3020	3100	285.4	887	1008	250	190	M20	297	300
	TS-CTIT-240-5	CITR-194-308-900	194	900	308	3020	3100	293	907	1026	250	190	M20	321	324
	TS-CTIT-240-6	CITR-194-310-900	194	900	310	3020	3100	313	927	1046	250	190	M20	351	354

CARRIER SELF-ALIGNING IDLER

Denomination Example



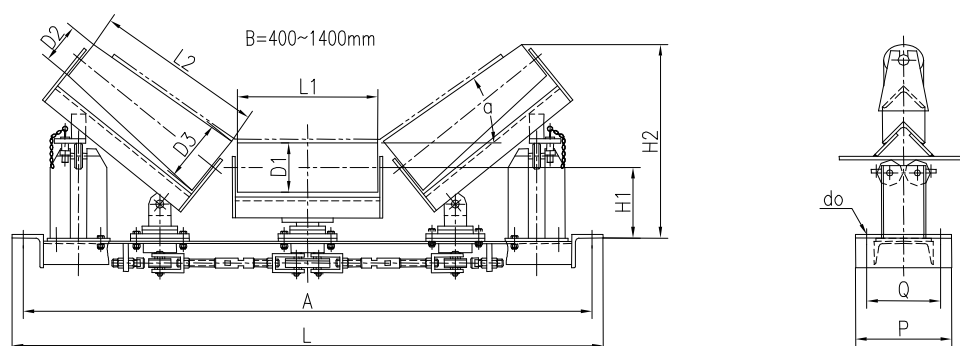
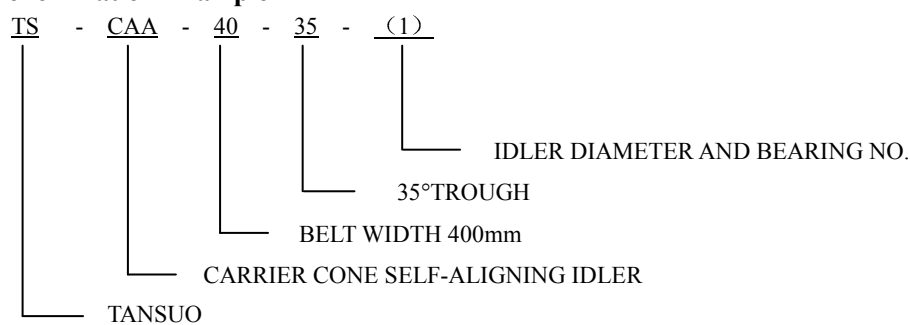
Width	Model	Roller			Bearing No.	A	L	H ₁	H ₂		P	Q	d ₀	Weight(Kg)	
		Roller Type	D	L ₁					35°	45°				35°	45°
400	TS-CA-40	CR-89-204-145	89	145	204	640	690	125	256	276	190	140	M12	67	69
450	TS-CA-45	CR-89-204-165	89	165	204	690	740	125	267	290	190	140	M12	72	74
500	TS-CA-50	CR -89-204-200	89	200	204	740	800	135.5	300	328	170	130	M12	75	77
600	TS-CA-60	CR -89-204-210	89	210	204	840	890	140	308	337	200	150	M12	80	82
650	TS-CA-65	CR -89-204-250	89	250	204	890	950	135.5	330	370	170	130	M12	85	87
750	TS-CA-75	CR -114.3-205-265	114.3	265	205	1040	1090	150	363	398	210	160	M12	105	107
800	TS-CA-80-1	CR -89-204-315	89	315	204	1090	1150	135.5	370	410	170	130	M12	100	102
	TS-CA-80-2	CR -108-205-315	108	315	205	1090	1150	146	390	430	170	130	M12	105	107
900	TS-CA-90	CR -114.3-305-315	114.3	315	305	1190	1240	150	391	434	210	160	M12	110	112
1000	TS-CA-100-1	CR -108-305-315	108	315	305	1290	1350	159	440	490	220	170	M16	140	143
	TS-CA-100-2	CR -133-305-380	133	380	305	1290	1350	173.5	465	520	220	170	M16	150	153
1050	TS-CA-105	CR -139.8-305-370	139.8	370	305	1340	1390	180	467	516	230	180	M12	155	168
1200	TS-CA-120-1	CR -108-305-465	108	465	305	1540	1600	176	505	570	280	200	M16	155	158
	TS-CA-120-2	CR -133-305-465	133	465	305	1540	1600	190.5	530	592	280	200	M16	165	168
	TS-CA-120-3	CR -133-306-465	133	465	306	1540	1600	190.5	530	595	280	200	M16	170	178
	TS-CA-120-4	CR -139.8-305-420	139.8	420	305	1490	1540	207.5	495	551	280	180	M16	165	168
	TS-CA-120-5	CR -139.8-306-420	139.8	420	306	1490	1540	207.5	495	551	280	180	M16	170	173
	TS-CA-120-6	CR -159-305-465	159	465	305	1540	1600	207.5	660	618	280	200	M16	185	188
	TS-CA-120-7	CR -159-306-465	159	465	306	1540	1600	207.5	660	620	280	200	M16	200	203
1400	TS-CA-140-1	CR-108-305-530	108	530	305	1740	1800	184	550	620	280	220	M16	170	173
	TS-CA-140-2	CR-133-305-530	133	530	305	1740	1800	198.5	580	646	280	220	M16	200	203
	TS-CA-140-3	CR-133-306-530	133	530	306	1740	1800	198.5	580	650	280	220	M16	210	213
	TS-CA-140-4	CR-159-305-530	159	530	305	1740	1800	215.5	610	672	280	220	M16	235	238
	TS-CA-140-5	CR-159-306-530	159	530	306	1740	1800	215.5	610	680	280	220	M16	250	253
	TS-CA-140-6	CR-165.2-305-500	165.2	500	305	1730	1795	250	625	690	340	280	M16	255	258
	TS-CA-140-7	CR-165.2-306-500	165.2	500	306	1730	1795	250	625	690	340	280	M16	270	273

CARRIER SELF-ALIGNING IDLER

Width	Model	Roller			Bearing No.	A	L	H ₁	H ₂		P	Q	d ₀	Weight(Kg)	
		Roller Type	D	L ₁					35°	45°				35°	45°
1600	TS-CA-160-1	CR-133-305-600	133	600	305	1980	2050	208.5	580	620	280	140	M16	235	240
	TS-CA-160-2	CR-133-306-600	133	600	306	1980	2050	208.5	580	620	280	140	M16	250	255
	TS-CA-160-3	CR-159-306-600	159	600	306	1980	2050	230.5	610	660	280	140	M16	270	275
	TS-CA-160-4	CR-159-308-600	159	600	308	1980	2050	230.5	610	660	280	140	M16	285	290
	TS-CA-160-5	CR-165.2-306-580	165.2	580	306	1930	1995	250.4	670	647	340	140	M16	260	265
	TS-CA-160-6	CR-165.2-308-580	165.2	580	308	1930	1995	250.4	670	647	340	140	M16	275	280
1800	TS-CA-180-1	CR-133-305-670	133	670	305	2180	2250	230.5	650	710	280	140	M16	250	255
	TS-CA-180-2	CR-133-306-670	133	670	306	2180	2250	230.5	650	710	280	140	M16	265	270
	TS-CA-180-3	CR-159-306-670	159	670	306	2180	2250	230.5	650	710	280	140	M16	285	290
	TS-CA-180-4	CR-159-308-670	159	670	308	2180	2250	240.5	660	710	280	140	M16	300	305
	TS-CA-180-5	CR-165.2-306-650	165.2	650	306	2200	2285	280.4	741	833	390	140	M16	290	295
	TS-CA-180-6	CR-165.2-308-650	165.2	650	308	2200	2285	280.4	741	833	390	140	M16	305	310
2000	TS-CA-200-1	CR-159-306-750	159	750	306	2420	2500	240.5	700	755	340	140	M16	340	348
	TS-CA-200-2	CR-159-308-750	159	750	308	2420	2500	250.5	710	755	340	140	M16	360	368
	TS-CA-200-3	CR-165.2-306-730	165.2	730	306	2420	2485	280.4	786	890	390	160	M16	340	348
	TS-CA-200-4	CR-165.2-308-730	165.2	730	308	2420	2485	280.4	786	890	390	160	M16	360	368
	TS-CA-200-5	CR-194-308-750	194	750	308	2420	2500	283	760	820	340	160	M16	380	388
	TS-CA-200-6	CR-194-310-750	194	750	310	2420	2500	283	760	820	340	160	M16	400	408
2200	TS-CA-220-1	CR-159-306-800	159	800	306	2420	2500	250.5	740	780	340	190	M16	360	368
	TS-CA-220-2	CR-159-308-800	159	800	308	2720	2800	265.5	750	810	340	190	M16	380	388
	TS-CA-220-3	CR-165.2-306-800	165.2	800	306	2720	2800	251.4	743	800	340	190	M16	370	378
	TS-CA-220-4	CR-165.2-308-800	165.2	800	308	2720	2800	265.4	753	820	340	190	M16	390	398
	TS-CA-220-5	CR-194-308-800	194	800	308	2720	2800	283	780	840	340	190	M16	400	408
	TS-CA-220-6	CR-194-310-800	194	800	310	2720	2800	293	800	860	340	190	M16	420	428
2400	TS-CA-240-1	CR-159-308-900	159	900	308	3020	3100	285.5	800	890	340	190	M20	380	390
	TS-CA-240-2	CR-159-309-900	159	900	309	3020	3100	285.5	800	890	340	190	M20	400	408
	TS-CA-240-3	CR-165.2-308-900	165.2	900	308	3020	3100	285.4	810	890	340	190	M20	385	395
	TS-CA-240-4	CR-165.2-309-900	165.2	900	309	3020	3100	285.4	810	890	340	190	M20	405	415
	TS-CA-240-5	CR-194-308-900	194	900	308	3020	3100	293	830	900	340	190	M20	420	430
	TS-CA-240-6	CR-194-310-900	194	900	310	3020	3100	313	860	930	340	190	M20	440	450

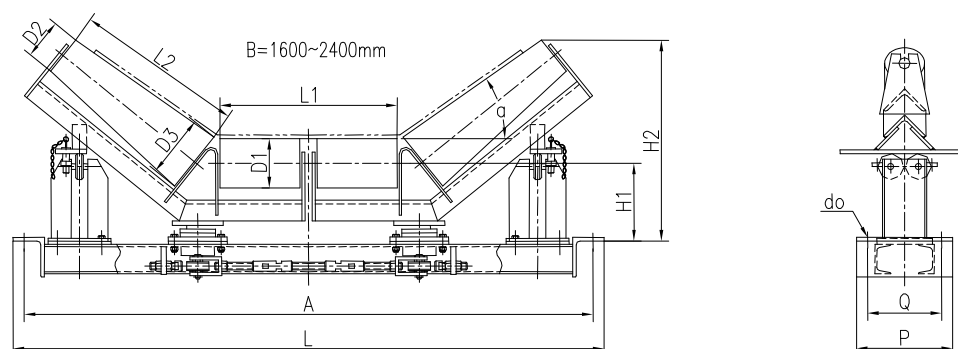
CARRIER CONE SELF-ALIGNING IDLER

Denomination Example



Width	Model	Roller					Bearing No.	A	L	H ₁	H ₂		P	Q	d ₀	Weight(Kg)	
		D ₁	L ₁	D ₂	D ₃	L ₂					35°	45°				35°	45°
400	TS-CCA-40	89	100	89	118	210	204	640	690	125	290	318	190	140	M12	70	73
450	TS-CCA-45	89	145	89	118	210	204	690	740	125	296	324	190	140	M12	75	78
500	TS-CCA-50	89	180	89	118	210	204	740	800	135.5	306	334	170	130	M12	80	83
600	TS-CCA-60	89	210	89	118	210	204	840	890	140	311	339	200	150	M12	85	88
650	TS-CCA-65	89	210	89	122	240	204	890	950	135.5	325	357	170	130	M12	90	93
750	TS-CCA-75	114.3	250	89	133	304	205	1040	1090	150	397	437	210	160	M12	110	113
800	TS-CCA-80-1	89	250	108	133	340	204	1090	1150	135.5	380	426	170	130	M12	105	108
	TS-CCA-80-2	108	250	108	133	340	205	1090	1150	146	400	446	170	130	M12	110	113
900	TS-CCA-90	114.3	280	89	133	340	305	1190	1240	150	420	465	210	160	M12	115	118
1000	TS-CCA-100-1	108	315	108	159	415	205	1290	1350	159	450	505	220	170	M16	145	150
	TS-CCA-100-2	133	315	108	159	415	305	1290	1350	173.5	478	533	220	170	M16	155	160
1050	TS-CCA-105	139.8	315	108	159	415	305	1340	1390	180	487	542	230	180	M12	160	165
1200	TS-CCA-120-1	108	380	108	176	500	305	1540	1600	176	521	588	260	200	M16	160	165
	TS-CCA-120-2	133	380	133	176	500	305	1540	1600	190.5	548	615	260	200	M16	170	175
	TS-CCA-120-3	133	380	133	176	500	306	1540	1600	190.5	548	615	260	200	M16	175	180
	TS-CCA-120-4	139.8	370	108	159	475	305	1490	1540	180	525	588	230	180	M16	170	175
	TS-CCA-120-5	139.8	370	108	159	475	306	1490	1540	180	525	588	230	180	M16	175	180
	TS-CCA-120-6	159	380	159	194	500	305	1540	1600	207.5	578	645	260	200	M16	195	200
	TS-CCA-120-7	159	380	159	194	500	306	1540	1600	207.5	578	645	260	200	M16	210	215
1400	TS-CCA-140-1	108	465	108	176	550	305	1740	1800	184	558	621	280	220	M16	180	185
	TS-CCA-140-2	133	465	108	176	550	305	1740	1800	198.5	584	647	280	220	M16	210	215
	TS-CCA-140-3	133	465	108	176	550	306	1740	1800	198.5	584	647	280	220	M16	220	225
	TS-CCA-140-4	159	465	108	176	550	305	1740	1800	215.5	615	688	280	220	M16	245	250
	TS-CCA-140-5	159	465	108	176	550	306	1740	1800	215.5	615	688	280	220	M16	260	265
	TS-CCA-140-6	165.2	465	108	176	550	305	1740	1800	250	641.7	715	340	280	M16	265	270
	TS-CCA-140-7	165.2	465	108	176	550	306	1730	1795	250	641.7	715	340	280	M16	280	285

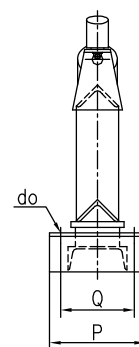
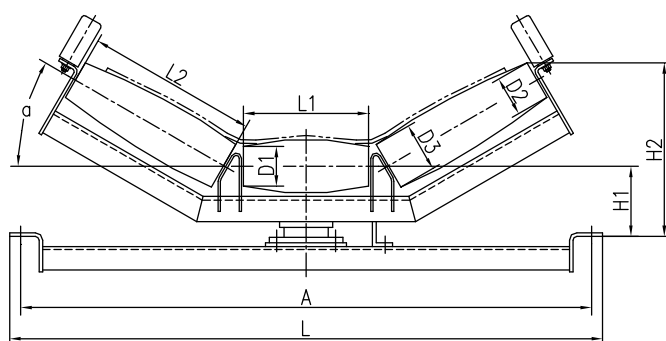
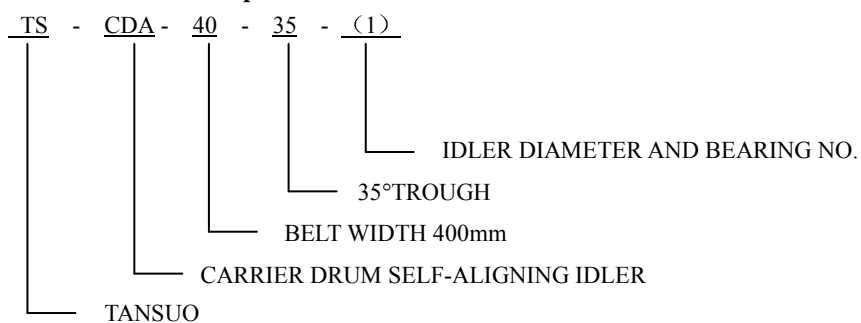
CARRIER CONE SELF-ALIGNING IDLER



Width	Model	Roller					Bearing No.	A	L	H ₁	H ₂		P	Q	d ₀	Weight(Kg)	
		D	L ₁	D ₂	D ₃	L ₂					35°	45°				35°	45°
1600	TS-CCA-160-1	133	530	108	176	590	305	1980	2050	208.5	625	704	280	140	M16	245	255
	TS-CCA-160-2	133	530	108	176	590	306	1980	2050	208.5	625	704	280	140	M16	260	270
	TS-CCA-160-3	159	530	133	194	650	306	1980	2050	230.5	694	773	280	140	M16	280	290
	TS-CCA-160-4	159	530	133	194	650	308	1980	2050	230.5	694	773	280	140	M16	295	305
	TS-CCA-160-5	165.2	530	133	194	610	306	1930	1995	250.4	694	768	340	140	M16	270	280
	TS-CCA-160-6	165.2	530	133	194	610	308	1930	1995	250.4	694	768	340	140	M16	285	295
1800	TS-CCA-180-1	133	600	108	194	680	305	2200	2280	208.5	681	762	280	140	M16	295	305
	TS-CCA-180-2	133	600	108	194	680	306	2200	2280	208.5	681	762	280	140	M16	295	305
	TS-CCA-180-3	159	600	133	194	685	306	2200	2280	230.5	716	797	280	140	M16	295	305
	TS-CCA-180-4	159	600	133	194	685	308	2200	2280	240.5	716	797	280	140	M16	310	320
	TS-CCA-180-5	165.2	580	133	194	650	306	2200	2285	280.4	744	822	390	140	M16	300	310
	TS-CCA-180-6	165.2	580	133	194	650	308	2200	2285	280.4	744	822	390	140	M16	315	325
2000	TS-CCA-200-1	159	670	133	194	820	306	2400	2470	240.5	811	901	340	140	M16	350	360
	TS-CCA-200-2	159	670	133	194	820	308	2400	2470	250.5	821	901	340	140	M16	370	380
	TS-CCA-200-3	165.2	650	133	194	820	306	2420	2485	280.4	851	938	390	160	M16	350	360
	TS-CCA-200-4	165.2	650	133	194	820	308	2420	2485	280.4	851	938	390	160	M16	370	380
	TS-CCA-200-5	194	670	140	219	820	308	2400	2470	283	857	946	340	160	M16	370	380
	TS-CCA-200-6	194	670	140	194	820	310	2400	2800	283	857	946	340	160	M16	390	405
2200	TS-CCA-220-1	159	750	133	194	820	306	2720	2800	250.5	821	922	340	190	M16	360	375
	TS-CCA-220-2	159	750	133	194	820	308	2720	2800	265.5	836	936	340	190	M16	380	395
	TS-CCA-220-3	165.2	750	133	194	820	306	2720	2800	251.4	822	922	340	190	M16	360	375
	TS-CCA-220-4	165.2	750	133	194	820	308	2720	2800	265.4	836	936	340	190	M16	380	395
	TS-CCA-220-5	194	750	140	219	820	308	2720	2800	283	857	957	340	190	M16	390	405
	TS-CCA-220-6	194	750	140	219	820	310	2720	2800	293	857	957	340	190	M16	410	425
2400	TS-CCA-240-1	159	800	133	219	900	308	3020	3100	285.5	906	1013	340	190	M20	370	385
	TS-CCA-240-2	159	800	133	219	900	310	3020	3100	285.5	906	1013	340	190	M20	390	405
	TS-CCA-240-3	165.2	800	133	219	900	308	3020	3100	285.4	906	1013	340	190	M20	375	390
	TS-CCA-240-4	165.2	800	133	219	900	310	3020	3100	285.4	906	1013	340	190	M20	395	410
	TS-CCA-240-5	194	800	140	219	900	308	3020	3100	293	924	1031	340	190	M20	430	445
	TS-CCA-240-6	194	800	140	219	900	310	3020	3100	313	914	1021	340	190	M16	450	465

CARRIER DRUM SELF-ALIGNING IDLER

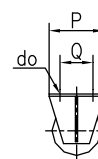
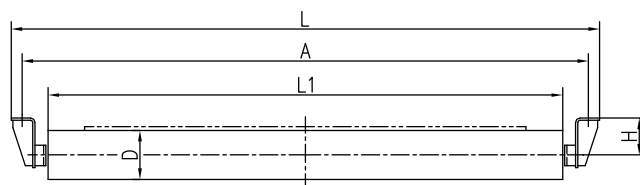
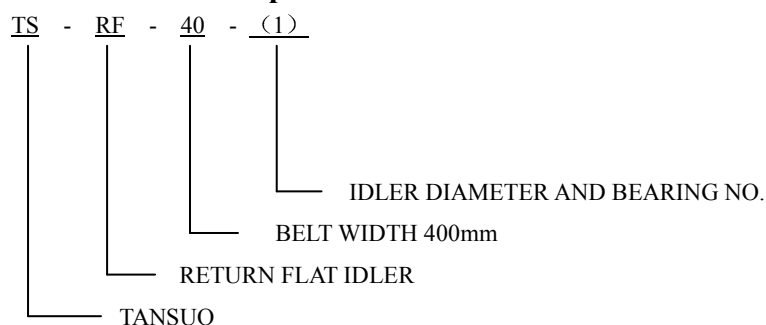
Denomination Example



Width	Model	Roller					Bearing No.	A	L	H ₁	H ₂		P	Q	d ₀	Weight(Kg)	
		D ₁	L ₁	D ₂	D ₃	L ₂					35°	45°				35°	45°
400	TS-CDA-40	89	120	89	110	180	204	640	690	125	265.2	301	190	140	M12	70	73
450	TS-CDA-45	89	140	89	110	180	204	690	740	125	265.2	301	190	140	M12	75	78
500	TS-CDA-50	89	160	89	110	200	204	740	800	135.5	300	325	170	130	M12	80	85
600	TS-CDA-60	89	180	89	110	200	204	840	890	140	306	329.5	200	150	M12	85	90
650	TS-CDA-65	89	210	89	110	250	204	890	950	135.5	330	361	170	130	M12	90	95
750	TS-CDA-75	89	250	89	110	300	205	1040	1090	150	350	411	210	160	M12	100	105
800	TS-CDA-80	108	275	108	133	315	205	1090	1150	146	385	424	170	130	M12	105	110
900	TS-CDA-90	108	300	108	133	380	305	1190	1240	150	398.5	474	210	160	M12	110	115
1000	TS-CDA-100	108	340	108	133	400	305	1290	1350	159	437	497	220	170	M16	150	155
1050	TS-CDA-105	108	340	108	133	465	305	1340	1390	180	439	564	230	180	M12	155	160
1200	TS-CDA-120	108	425	108	133	530	305	1540	1600	176	503	606	280	200	M16	160	170
1400	TS-CDA-140-1	108	490	108	196	530	305	1740	1800	184	548	645	280	220	M16	175	185
	TS-CDA-140-2	159	490	159	196	530	306	1740	1800	184	548	645	280	220	M16	260	270
1600	TS-CDA-160	159	540	159	196	600	306	1980	2060	236	620	745	280	140	M16	280	290
1800	TS-CDA-180	159	610	159	196	670	306	2200	2280	236	660	796	280	140	M16	310	320
2000	TS-CDA-200	159	690	159	196	750	306	2400	2470	238	702	855	340	190	M16	370	380
2200	TS-CDA-220	159	740	159	196	800	306	2720	2800	238	777	890	340	190	M16	390	400
2400	TS-CDA-240	159	800	159	196	900	308	3020	3100	313	843.5	1036	340	190	M20	410	420

RETURN FLAT IDLER

Denomination Example



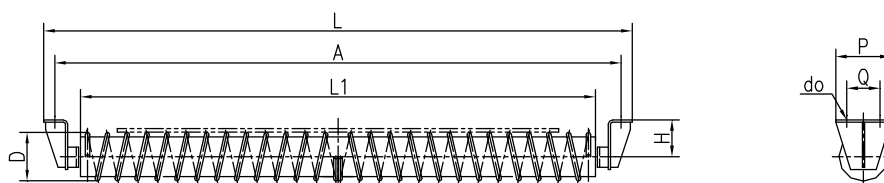
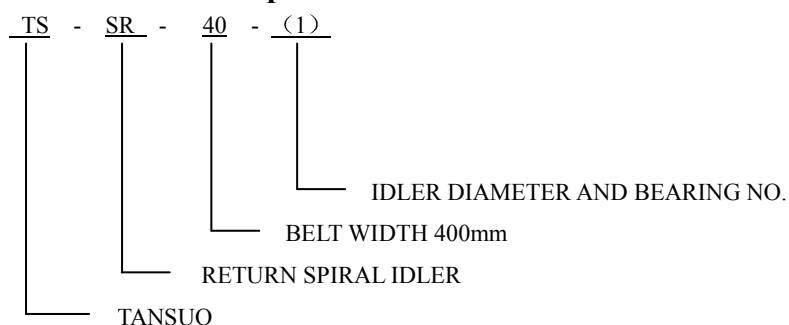
Width	Model	Roller			Bearing No.	A	L	H	P	Q	d ₀	Weight(Kg)
		Roller Type	D	L ₁								
400	TS-RF-40	CR-89-204-460	89	460	204	640	690	100	120	60	M12	12
450	TS-RF-45	CR-89-204-510	89	510	204	690	740	100	120	60	M12	13
500	TS-RF-50	CR -89-204-600	89	600	204	740	792	100	145	90	M12	14
600	TS-RF-60	CR -89-204-660	89	660	204	840	890	100	120	60	M12	15
650	TS-RF-65	CR -89-204-750	89	750	204	890	942	100	145	90	M12	16
750	TS-RF-75	CR -114.3-205-850	114.3	850	205	1040	1090	100	120	60	M12	17
800	TS-RF-80-1	CR -89-204-950	89	950	204	1090	1142	144.5	145	90	M12	18
	TS-RF-80-2	CR -108-205-950	108	950	205	1090	1142	154	145	90	M12	21
900	TS-RF-90	CR -114.3-305-1000	114.3	1000	305	1190	1240	154	120	60	M12	22
1000	TS-RF-100-1	CR -108-305-1150	108	1150	305	1290	1342	164	150	90	M16	25
	TS-RF-100-2	CR -133-305-1150	133	1150	305	1290	1342	176.5	150	90	M16	29
1050	TS-RF-105	CR -139.8-305-1150	139.8	1150	305	1340	1390	174	150	100	M12	32
1200	TS-RF-120-1	CR -108-305-1400	108	1400	305	1540	1592	174	150	90	M16	28
	TS-RF-120-2	CR -133-305-1400	133	1400	305	1540	1592	186.5	150	90	M16	34
	TS-RF-120-3	CR -133-306-1400	133	1400	306	1540	1592	186.5	150	90	M16	38
	TS-RF-120-4	CR -139.8-305-1300	139.8	1300	305	1490	1540	199.5	150	100	M16	34
	TS-RF-120-5	CR -139.8-306-1300	139.8	1300	306	1490	1540	199.5	150	100	M16	38
	TS-RF-120-6	CR -159-305-1400	159	1400	305	1540	1592	199.5	150	90	M16	41
	TS-RF-120-7	CR -159-306-1400	159	1400	306	1540	1592	199.5	150	90	M16	45
1400	TS-RF-140-1	CR-108-305-1600	108	1600	305	1080	1740	184	150	90	M16	30
	TS-RF-140-2	CR-133-305-1600	133	1600	305	1080	1740	196.5	150	90	M16	37
	TS-RF-140-3	CR-133-306-1600	133	1600	306	1080	1740	196.5	150	90	M16	42
	TS-RF-140-4	CR-159-305-1600	159	1600	305	1080	1740	209.5	150	90	M16	46
	TS-RF-140-5	CR-159-306-1600	159	1600	306	1080	1740	209.5	150	90	M16	50
	TS-RF-140-6	CR-165.2-305-1530	165.2	1530	305	1730	1790	160	180	120	M16	47
	TS-RF-140-7	CR-165.2-306-1530	165.2	1530	306	1730	1790	160	180	120	M16	51
1600	TS-RF-160-1	CR-133-305-1800	133	1800	305	1980	2050	100	210	150	M16	47
	TS-RF-160-2	CR-133-306-1800	133	1800	306	1980	2050	100	210	150	M16	53
	TS-RF-160-3	CR-159-306-1800	159	1800	306	1980	2050	100	210	150	M16	62
	TS-RF-160-4	CR-159-308-1800	159	1800	308	1980	2050	100	210	150	M16	69
	TS-RF-160-5	CR-165.2-306-1730	165.2	1730	306	1930	1990	160	180	120	M16	60
	TS-RF-160-6	CR-165.2-308-1730	165.2	1730	308	1930	1990	160	180	120	M16	67

RETURN FLAT IDLER

Width	Model	Roller			Bearing No.	A	L	H	P	Q	d ₀	Weight(Kg)
		Roller Type	D	L ₁								
1800	TS-RF-180-1	CR-133-305-2000	133	2000	305	2180	2250	100	210	150	M16	57
	TS-RF-180-2	CR-133-306-2000	133	2000	306	2180	2250	100	210	150	M16	63
	TS-RF-180-3	CR-159-306-2000	159	2000	306	2180	2250	100	210	150	M16	67
	TS-RF-180-4	CR-159-308-2000	159	2000	308	2180	2250	100	210	150	M16	75
	TS-RF-180-5	CR-165.2-306-2000	165.2	2000	306	2200	2280	160	180	120	M16	69
	TS-RF-180-6	CR-165.2-308-2000	165.2	2000	308	2200	2280	160	180	120	M16	77
2000	TS-RF-200-1	CR-159-306-2200	159	2200	306	2420	2500	100	210	150	M16	73
	TS-RF-200-2	CR-159-308-2200	159	2200	308	2420	2500	100	210	150	M16	81
	TS-RF-200-3	CR-165.2-306-2200	165.2	2200	306	2420	2480	160	180	120	M16	75
	TS-RF-200-4	CR-165.2-308-2200	165.2	2200	308	2420	2480	160	180	120	M16	83
	TS-RF-200-5	CR-194-308-2200	194	2200	308	2420	2500	147	210	150	M16	125
	TS-RF-200-6	CR-194-310-2200	194	2200	310	2420	2500	147	210	150	M16	131
2200	TS-RF-220-1	CR-159-306-2500	159	2500	306	2720	2800	100	210	150	M16	81
	TS-RF-220-2	CR-159-308-2500	159	2500	308	2720	2800	100	210	150	M16	90
	TS-RF-220-3	CR-165.2-306-2500	165.2	2500	306	2720	2800	133	210	150	M16	83
	TS-RF-220-4	CR-165.2-308-2500	165.2	2500	308	2720	2800	133	210	150	M16	92
	TS-RF-220-5	CR-194-308-2500	194	2500	308	2720	2800	147	210	150	M16	141
	TS-RF-220-6	CR-194-310-2500	194	2500	310	2720	2800	147	210	150	M16	148
2400	TS-RF-240-1	CR-159-308-2800	159	2800	308	3020	3110	100	210	150	M20	100
	TS-RF-240-2	CR-159-309-2800	159	2800	309	3020	3110	100	210	150	M20	111
	TS-RF-240-3	CR-165.2-308-2800	165.2	2800	308	3020	3110	160	210	150	M20	102
	TS-RF-240-4	CR-165.2-310-2800	165.2	2800	310	3020	3110	160	210	150	M20	113
	TS-RF-240-5	CR-194-308-2800	194	2800	308	3020	3110	117.5	210	150	M20	150
	TS-RF-240-6	CR-194-310-2800	194	2800	310	3020	3110	117.5	210	150	M20	161

RETURN SPIRAL IDLER

Denomination Example



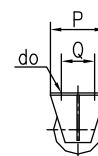
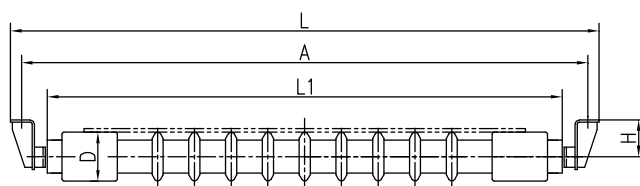
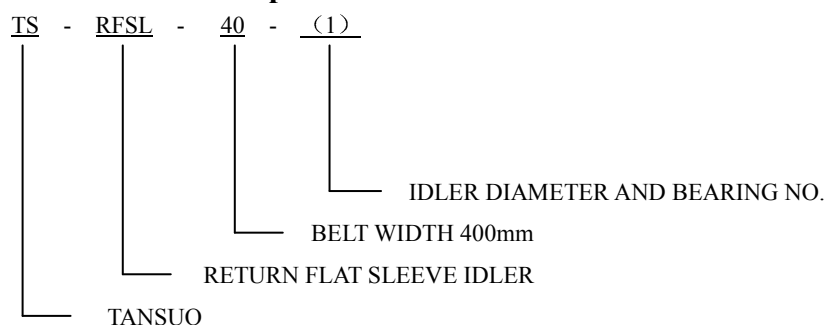
Width	Model	Roller			Bearing No.	A	L	H	P	Q	d ₀	Weight(Kg)
		Roller Type	D	L ₁								
400	TS-RSP-40	SPR -89-204-460	89	460	204	640	690	100	120	60	M12	18
450	TS-RSP-45	SPR -89-204-510	89	510	204	690	740	100	120	60	M12	19
500	TS-RSP-50	SPR -89-204-560	89	560	204	740	792	100	145	90	M12	20
600	TS-RSP-60	SPR -89-204-660	89	660	204	840	890	100	120	60	M12	21
650	TS-RSP-65	SPR -89-204-750	89	750	204	890	942	100	145	90	M12	22
750	TS-RSP-75	SPR-114.3-205-850	114.3	850	205	1040	1090	100	120	60	M12	23
800	TS-RSP-80-1	SPR-89-204-1150	89	1150	204	1090	1142	144.5	145	90	M12	24
	TS-RSP-80-2	SPR-108-205-1150	108	1150	205	1090	1142	154	145	90	M12	27
900	TS-RSP-90	SPR-114.3-305-1000	114.3	1000	305	1190	1240	154	120	60	M12	27
1000	TS-RSP-100-1	SPR-108-305-1150	108	1150	305	1290	1342	164	150	90	M16	30
	TS-RSP-100-2	SPR-133-305-1150	133	1150	305	1290	1342	176.5	150	90	M16	35
1050	TS-RSP-105	SPR-139.8-305-1150	139.8	1150	305	1340	1390	174	150	100	M12	38
1200	TS-RSP-120-1	SPR-108-305-1400	108	1400	305	1540	1592	174	150	90	M16	34
	TS-RSP-120-2	SPR-133-305-1400	133	1400	305	1540	1592	186.5	150	90	M16	40
	TS-RSP-120-3	SPR-133-306-1400	133	1400	306	1540	1592	186.5	150	90	M16	44
	TS-RSP-120-4	SPR-139.8-305-1300	139.8	1300	305	1490	1540	199.5	150	100	M16	44
	TS-RSP-120-5	SPR-139.8-306-1300	139.8	1300	306	1490	1540	199.5	150	100	M16	47
	TS-RSP-120-6	SPR-159-305-1400	159	1400	305	1540	1592	199.5	150	90	M16	47
	TS-RSP-120-7	SPR-159-306-1400	159	1400	306	1540	1592	199.5	150	90	M16	50
1400	TS-RSP-140-1	SPR-108-305-1600	108	1600	305	1080	1740	184	150	90	M16	37
	TS-RSP-140-2	SPR-133-305-1600	133	1600	305	1080	1740	196.5	150	90	M16	44
	TS-RSP-140-3	SPR -133-306-1600	133	1600	306	1080	1740	196.5	150	90	M16	48
	TS-RSP-140-4	SPR-159-305-1600	159	1600	305	1080	1740	209.5	150	90	M16	52
	TS-RSP-140-5	SPR-159-306-1600	159	1600	306	1080	1740	209.5	150	90	M16	56
	TS-RSP-140-6	SPR-165.2-305-1530	165.2	1530	305	1730	1790	160	180	120	M16	61
	TS-RSP-140-7	SPR-165.2-306-1530	165.2	1530	306	1730	1790	160	180	120	M16	64
1600	TS-RSP-160-1	SPR-133-305-1800	133	1800	305	1980	2050	100	210	150	M16	53
	TS-RSP-160-2	SPR-133-306-1800	133	1800	306	1980	2050	100	210	150	M16	59
	TS-RSP-160-3	SPR-159-306-1800	159	1800	306	1980	2050	100	210	150	M16	68
	TS-RSP-160-4	SPR-159-308-1800	159	1800	308	1980	2050	100	210	150	M16	76
	TS-RSP-160-5	SPR-165.2-306-1730	165.2	1730	306	1930	1990	160	180	120	M16	66
	TS-RSP-160-6	SPR-165.2-308-1730	165.2	1730	308	1930	1990	160	180	120	M16	73

RETURN SPIRAL IDLER

Width	Model	Roller			Bearing No.	A	L	H	P	Q	d ₀	Weight(Kg)
		Roller Type	D	L ₁								
1800	TS-RSP-180-1	SPR-133-305-2000	133	2000	305	2180	2250	100	210	150	M16	73
	TS-RSP-180-2	SPR-133-306-2000	133	2000	306	2180	2250	100	210	150	M16	81
	TS-RSP-180-3	SPR-159-306-2000	159	2000	306	2180	2250	100	210	150	M16	79
	TS-RSP-180-4	SPR-159-308-2000	159	2000	308	2180	2250	100	210	150	M16	86
	TS-RSP-180-5	SPR-165.2-306-2000	165.2	2000	306	2200	2280	160	180	120	M16	81
	TS-RSP-180-6	SPR-165.2-308-2000	165.2	2000	308	2200	2280	160	180	120	M16	88
2000	TS-RSP-200-1	SPR-159-306-2200	159	2200	306	2420	2500	100	210	150	M16	85
	TS-RSP-200-2	SPR-159-308-2200	159	2200	308	2420	2500	100	210	150	M16	93
	TS-RSP-200-3	SPR-165.2-306-2200	165.2	2200	306	2420	2480	160	180	120	M16	88
	TS-RSP-200-4	SPR-165.2-308-2200	165.2	2200	308	2420	2480	160	180	120	M16	96
	TS-RSP-200-5	SPR-194-308-2200	194	2200	308	2420	2500	147	210	150	M16	130
	TS-RSP-200-6	SPR-194-310-2200	194	2200	310	2420	2500	147	210	150	M16	137
2200	TS-RSP-220-1	SPR-159-306-2500	159	2500	306	2720	2800	100	210	150	M16	90
	TS-RSP-220-2	SPR-159-308-2500	159	2500	308	2720	2800	100	210	150	M16	108
	TS-RSP-220-3	SPR-165.2-306-2500	165.2	2500	306	2720	2800	133	210	150	M16	93
	TS-RSP-220-4	SPR-165.2-308-2500	165.2	2500	308	2720	2800	133	210	150	M16	111
	TS-RSP-220-5	SPR-194-308-2500	194	2500	308	2720	2800	147	210	150	M16	136
	TS-RSP-220-6	SPR-194-310-2500	194	2500	310	2720	2800	147	210	150	M16	143
2400	TS-RSP-240-1	SPR-159-308-2800	159	2800	308	3020	3110	100	210	150	M20	106
	TS-RSP-240-2	SPR-159-309-2800	159	2800	309	3020	3110	100	210	150	M20	108
	TS-RSP-240-3	SPR-165.2-308-2800	165.2	2800	308	3020	3110	160	210	150	M20	109
	TS-RSP-240-4	SPR-165.2-309-2800	165.2	2800	309	3020	3110	160	210	150	M20	112
	TS-RSP-240-5	SPR-194-308-2800	194	2800	308	3020	3110	117.5	210	150	M20	166
	TS-RSP-240-6	SPR-194-310-2800	194	2800	310	3020	3110	117.5	210	150	M20	167

FLAT SLEEVE IDLER

Denomination Example



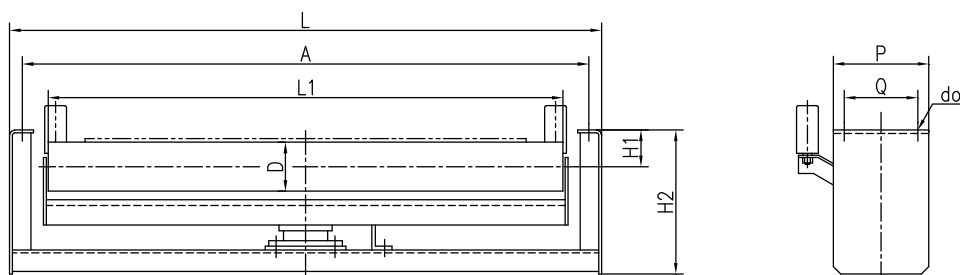
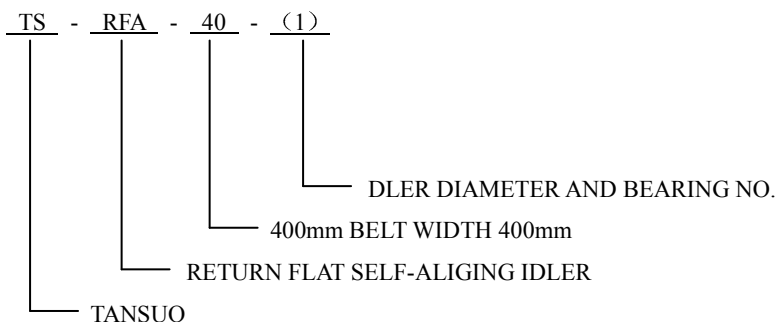
Width	Model	Roller			Bearing No.	A	L	H	P	Q	d ₀	Weight(Kg)
		Roller Type	D	L ₁								
400	TS-RFSL-40	SLR-89-204-460	89	460	204	640	690	100	120	60	M12	12
450	TS-RFSL-45	SLR-89-204-510	89	510	204	690	740	100	120	60	M12	13
500	TS-RFSL-50	SLR-89-204-600	89	600	204	740	792	100	145	90	M12	14
600	TS-RFSL-60	SLR-89-204-660	89	660	204	840	890	100	120	60	M12	15
650	TS-RFSL-65	SLR-89-204-750	89	750	204	890	942	100	145	90	M12	16
750	TS-RFSL-75	SLR-114.3-205-850	114.3	850	205	1040	1090	100	120	60	M12	17
800	TS-RFSL-80-1	SLR-89-204-950	89	950	204	1090	1142	144.5	145	90	M12	18
	TS-RFSL-80-2	SLR-108-205-950	108	950	205	1090	1142	154	145	90	M12	21
900	TS-RFSL-90	SLR-114.3-305-1000	114.3	1000	305	1190	1240	154	120	60	M12	22
1000	TS-RFSL-100-1	SLR-108-205-1150	108	1150	205	1290	1342	164	150	90	M16	25
	TS-RFSL-100-2	SLR-133-305-1150	133	1150	305	1290	1342	176.5	150	90	M16	29
1050	TS-RFSL-105	SLR-139.8-305-1150	139.8	1150	305	1340	1390	174	150	100	M12	32
1200	TS-RFSL-120-1	SLR-108-305-1400	108	1400	305	1540	1592	174	150	90	M16	28
	TS-RFSL-120-2	SLR-133-305-1400	133	1400	305	1540	1592	186.5	150	90	M16	34
	TS-RFSL-120-3	SLR-133-306-1400	133	1400	306	1540	1592	186.5	150	90	M16	38
	TS-RFSL-120-4	SLR-139.8-305-1300	139.8	1300	305	1490	1540	199.5	150	100	M16	34
	TS-RFSL-120-5	SLR-139.8-306-1300	139.8	1300	306	1490	1540	199.5	150	100	M16	38
	TS-RFSL-120-6	SLR-159-305-1400	159	1400	305	1540	1592	199.5	150	90	M16	41
	TS-RFSL-120-7	SLR-159-306-1400	159	1400	306	1540	1592	199.5	150	90	M16	45
1400	TS-RFSL-140-1	SLR-108-305-1600	108	1600	305	1080	1740	184	150	90	M16	30
	TS-RFSL-140-2	SLR-133-305-1600	133	1600	305	1080	1740	196.5	150	90	M16	37
	TS-RFSL-140-3	SLR-133-306-1600	133	1600	306	1080	1740	196.5	150	90	M16	42
	TS-RFSL-140-4	SLR-159-305-1600	159	1600	305	1080	1740	209.5	150	90	M16	46
	TS-RFSL-140-5	SLR-159-306-1600	159	1600	306	1080	1740	209.5	150	90	M16	50
	TS-RFSL-140-6	SLR-165.2-305-1530	165.2	1530	305	1730	1790	160	180	120	M16	47
	TS-RFSL-140-7	SLR-165.2-306-1530	165.2	1530	306	1730	1790	160	180	120	M16	51
1600	TS-RFSL-160-1	SLR-133-305-1800	133	1800	305	1980	2050	100	210	150	M16	47
	TS-RFSL-160-2	SLR-133-306-1800	133	1800	306	1980	2050	100	210	150	M16	53
	TS-RFSL-160-3	SLR-159-306-1800	159	1800	306	1980	2050	100	210	150	M16	62
	TS-RFSL-160-4	SLR-159-308-1800	159	1800	308	1980	2050	100	210	150	M16	69
	TS-RFSL-160-5	SLR-165.2-306-1730	165.2	1730	306	1930	1990	160	180	120	M16	60
	TS-RFSL-160-6	SLR-165.2-308-1730	165.2	1730	308	1930	1990	160	180	120	M16	67

FLAT SLEEVE IDLER

Width	Model	Roller			Bearing No.	A	L	H	P	Q	d ₀	Weight(Kg)
		Roller Type	D	L ₁								
1800	TS-RFSL-180-1	SLR-133-305-2000	133	2000	305	2180	2250	100	210	150	M16	57
	TS-RFSL-180-2	SLR-133-306-2000	133	2000	306	2180	2250	100	210	150	M16	63
	TS-RFSL-180-3	SLR-159-306-2000	159	2000	306	2180	2250	100	210	150	M16	67
	TS-RFSL-180-4	SLR-159-308-2000	159	2000	308	2180	2250	100	210	150	M16	75
	TS-RFSL-180-5	SLR-165.2-306-2000	165.2	2000	306	2200	2280	160	180	120	M16	69
	TS-RFSL-180-6	SLR-165.2-308-2000	165.2	2000	308	2200	2280	160	180	120	M16	77
2000	TS-RFSL-200-1	SLR-159-306-2200	159	2200	306	2420	2500	100	210	150	M16	73
	TS-RFSL-200-2	SLR-159-308-2200	159	2200	308	2420	2500	100	210	150	M16	81
	TS-RFSL-200-3	SLR-165.2-306-2200	165.2	2200	306	2420	2480	160	180	120	M16	75
	TS-RFSL-200-4	SLR-165.2-308-2200	165.2	2200	308	2420	2480	160	180	120	M16	83
	TS-RFSL-200-5	SLR-194-308-2200	194	2200	308	2420	2500	147	210	150	M16	125
	TS-RFSL-200-6	SLR-194-310-2200	194	2200	310	2420	2500	147	210	150	M16	131
2200	TS-RFSL-220-1	SLR-159-306-2500	159	2500	306	2720	2800	100	210	150	M16	81
	TS-RFSL-220-2	SLR-159-308-2500	159	2500	308	2720	2800	100	210	150	M16	90
	TS-RFSL-220-3	SLR-165.2-306-2500	165.2	2500	306	2720	2800	133	210	150	M16	83
	TS-RFSL-220-4	SLR-165.2-308-2500	165.2	2500	308	2720	2800	133	210	150	M16	92
	TS-RFSL-220-5	SLR-194-308-2500	194	2500	308	2720	2800	147	210	150	M16	141
	TS-RFSL-220-6	SLR-194-310-2500	194	2500	310	2720	2800	147	210	150	M16	148
2400	TS-RFSL-240-1	SLR-159-308-2800	159	2800	308	3020	3110	100	210	150	M20	100
	TS-RFSL-240-2	SLR-159-309-2800	159	2800	309	3020	3110	100	210	150	M20	111
	TS-RFSL-240-3	SLR-165.2-308-2800	165.2	2800	308	3020	3110	160	210	150	M20	102
	TS-RFSL-240-4	SLR-165.2-309-2800	165.2	2800	309	3020	3110	160	210	150	M20	113
	TS-RFSL-240-5	SLR-194-308-2800	194	2800	308	3020	3110	117.5	210	150	M20	150
	TS-RFSL-240-6	SLR-194-310-2800	194	2800	310	3020	3110	117.5	210	150	M20	161

RETURN FLAT SELF-ALIGNING IDLER

Denomination Example



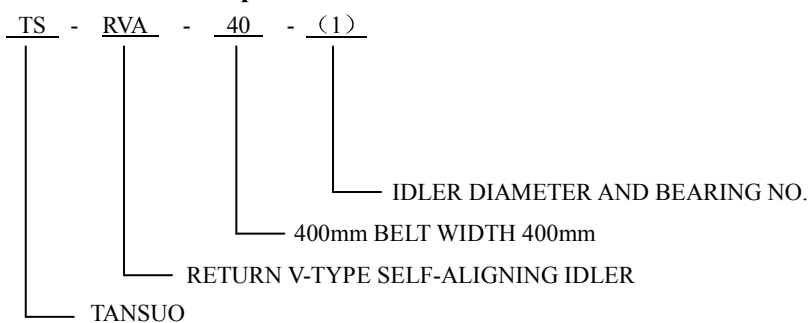
Width	Model	Roller			Bearing No.	A	L	H ₁	H ₂	P	Q	d ₀	Weight(Kg)
		辊子型号 Roller Type	D	L ₁									
400	TS-RFA-40	CR-89-204-460	89	460	204	640	690	100	335	120	60	M12	40
450	TS-RFA-45	CR-89-204-510	89	510	204	690	740	100	335	120	60	M12	43
500	TS-RFA-50	CR-89-204-600	89	600	204	740	792	100	335	145	90	M12	46
600	TS-RFA-60	CR-89-204-660	89	660	204	840	890	100	335	120	60	M12	48
650	TS-RFA-65	CR-89-204-750	89	750	204	890	942	100	335	145	90	M12	50
750	TS-RFA-75	CR-114.3-205-850	114.3	850	205	1040	1090	100	347	120	60	M12	58
800	TS-RFA-80-1	CR-89-204-950	89	950	204	1090	1142	144.5	379	145	90	M12	57
	TS-RFA-80-2	CR-108-205-950	108	950	205	1090	1142	154	398	145	90	M12	62
900	TS-RFA-90	CR-114.3-305-1000	114.3	1000	305	1190	1240	154	401	120	60	M12	66
1000	TS-RFA-100-1	CR-108-305-1150	108	1150	305	1290	1342	164	414	150	90	M16	70
	TS-RFA-100-2	CR-133-305-1150	133	1150	305	1290	1342	176.5	439	150	90	M16	77
1050	TS-RFA-105	CR-139.8-305-1150	139.8	1150	305	1340	1390	174	440	150	100	M12	80
1200	TS-RFA-120-1	CR-108-305-1400	108	1400	305	1540	1592	174	424	150	90	M16	90
	TS-RFA-120-2	CR-133-305-1400	133	1400	305	1540	1592	186.5	449	150	90	M16	100
	TS-RFA-120-3	CR-133-306-1400	133	1400	306	1540	1592	186.5	449	150	90	M16	110
	TS-RFA-120-4	CR-139.8-305-1300	139.8	1300	305	1490	1540	199.5	466	150	100	M16	100
	TS-RFA-120-5	CR-139.8-306-1300	139.8	1300	306	1490	1540	199.5	466	150	100	M16	110
	TS-RFA-120-6	CR-159-305-1400	159	1400	305	1540	1592	199.5	475	150	90	M16	110
	TS-RFA-120-7	CR-159-306-1400	159	1400	306	1540	1592	199.5	475	150	90	M16	115
1400	TS-RFA-140-1	CR-108-305-1600	108	1600	305	1080	1740	184	434	150	90	M16	95
	TS-RFA-140-2	CR-133-305-1600	133	1600	305	1080	1740	196.5	459	150	90	M16	110
	TS-RFA-140-3	CR-133-306-1600	133	1600	306	1080	1740	196.5	459	150	90	M16	120
	TS-RFA-140-4	CR-159-305-1600	159	1600	305	1080	1740	209.5	485	150	90	M16	125
	TS-RFA-140-5	CR-159-306-1600	159	1600	306	1080	1740	209.5	485	150	90	M16	135
	TS-RFA-140-6	CR-165.2-305-1530	165.2	1530	305	1730	1790	160	437	150	120	M16	122
	TS-RFA-140-7	CR-165.2-306-1530	165.2	1530	306	1730	1790	160	437	150	120	M16	132

CARRIER FLAT SELF-ALIGNING IDLER

Width	Model	Roller			Bearing No.	A	L	H ₁	H ₂	P	Q	d ₀	Weight(Kg)
		辊子型号 Roller Type	D	L ₁									
1600	TS- RFA -160-1	CR-133-305-1800	133	1800	305	1980	2050	100	413	240	150	M16	155
	TS- RFA -160-2	CR-133-306-1800	133	1800	306	1980	2050	100	413	240	150	M16	165
	TS- RFA -160-3	CR-159-306-1800	159	1800	306	1980	2050	100	426	240	150	M16	175
	TS- RFA -160-4	CR-159-308-1800	159	1800	308	1980	2050	100	426	240	150	M16	185
	TS- RFA -160-5	CR-165.2-306-1730	165.2	1730	306	1930	1990	160	487	240	120	M16	170
	TS-RFA -160-6	CR-165.2-308-1730	165.2	1730	308	1930	1990	160	487	240	120	M16	180
1800	TS-RFA -180-1	CR-133-305-2000	133	2000	305	2180	2250	100	413	240	150	M16	170
	TS-RRFA -180-2	CR-133-306-2000	133	2000	306	2180	2250	100	413	240	150	M16	180
	TS-RFA -180-3	CR-159-306-2000	159	2000	306	2180	2250	100	426	240	150	M16	190
	TS-RFA -180-4	CR-159-308-2000	159	2000	308	2180	2250	100	426	240	150	M16	200
	TS-RFA -180-5	CR-165.2-306-2000	165.2	2000	306	2200	2280	160	487	240	120	M16	195
	TS-RFA -180-6	CR-165.2-308-2000	165.2	2000	308	2200	2280	160	487	240	120	M16	205
2000	TS-RFA -200-1	CR-159-306-2200	159	2200	306	2420	2500	100	545	280	150	M16	215
	TS-RFA -200-2	CR-159-308-2200	159	2200	308	2420	2500	100	545	280	150	M16	225
	TS-RFA -200-3	CR-165.2-306-2200	165.2	2200	306	2420	2480	160	606	280	120	M16	220
	TS-RFA -200-4	CR-165.2-308-2200	165.2	2200	308	2420	2480	160	606	280	120	M16	230
	TS-RFA -200-5	CR-194-308-2200	194	2200	308	2420	2500	147	609	280	150	M16	240
	TS-RFA -200-6	CR-194-310-2200	194	2200	310	2420	2500	147	609	280	150	M16	250
2200	TS-RFA -220-1	CR-159-306-2400	159	2400	306	2720	2800	100	545	280	150	M16	230
	TS-RFA -220-2	CR-159-308-2400	159	2400	308	2720	2800	100	545	280	150	M16	240
	TS-RFA -220-3	CR-165.2-306-2400	165.2	2400	306	2720	2800	133	579	280	150	M16	235
	TS-RFA -220-4	CR-165.2-308-2400	165.2	2400	308	2720	2800	133	579	280	150	M16	245
	TS-RFA -220-5	CR-194-308-2400	194	2400	308	2720	2800	147	609	280	150	M16	255
	TS-RFA -220-6	CR-194-310-2400	194	2400	310	2720	2800	147	609	280	150	M16	265
2400	TS-RFA -240-1	CR-159-308-2800	159	2800	308	3020	3110	100	545	280	150	M20	250
	TS-RFA -240-2	CR-159-310-2800	159	2800	310	3020	3110	100	545	280	150	M20	265
	TS-RFA -240-3	CR-165.2-308-2800	165.2	2800	308	3020	3110	160	487	280	150	M20	255
	TS-RFA -240-4	CR-165.2-310-2800	165.2	2800	310	3020	3110	160	487	280	150	M20	270
	TS-RFA -240-5	CR-194-308-2800	194	2800	308	3020	3110	117.5	580	280	150	M20	275
	TS-RFA -240-6	CR-194-310-2800	194	2800	310	3020	3110	117.5	580	280	150	M20	290

RETURN V-TYPE SELF-ALIGNING IDLER

Denomination Example



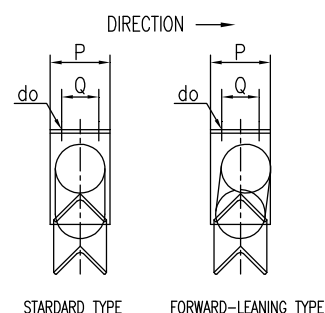
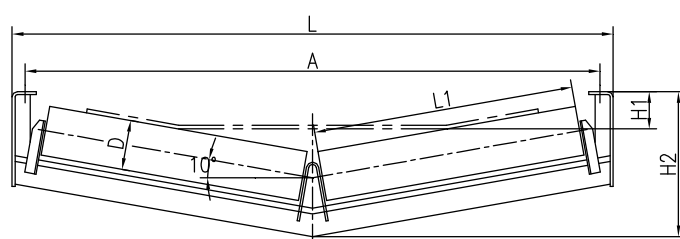
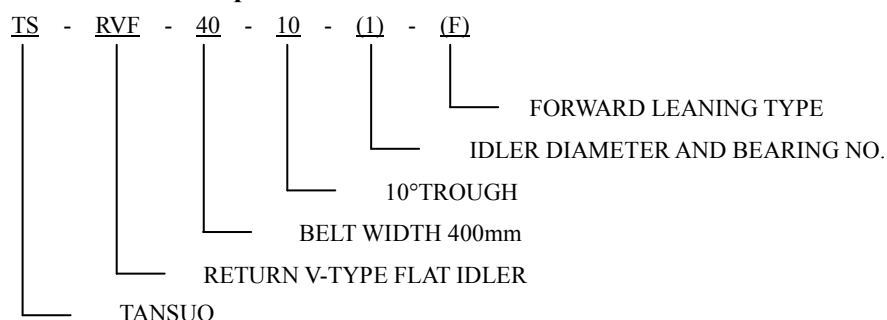
Width	Model	Roller					Bearing No.	A	L	H1	H2	P	Q	d0	Weight(Kg)
		D1	L1	D2	D3	L2									
400	TS-RVA-40	89	100	89	118	210	204	640	690	100	335	120	60	M12	43
450	TS-RVA-45	89	145	89	118	210	204	690	740	100	335	120	60	M12	46
500	TS-RVA-50	89	180	89	118	210	204	740	792	100	335	145	90	M12	49
600	TS-RVA-60	89	210	89	118	210	204	840	890	100	335	120	60	M12	51
650	TS-RVA-65	89	210	89	122	240	204	890	942	100	335	145	90	M12	53
750	TS-RVA-75	114.3	250	89	133	304	205	1040	1090	100	347	120	60	M12	61
800	TS-RVA-80-1	89	250	108	133	340	204	1090	1142	144.5	379	145	90	M12	60
	TS-RVA-80-2	108	250	108	133	340	205	1090	1142	154	398	145	90	M12	65
900	TS-RVA-90	114.3	280	89	133	340	305	1190	1240	154	401	120	60	M12	69
1000	TS-RVA-100-1	108	315	108	159	415	305	1290	1342	164	414	150	90	M16	73
	TS-RVA-100-2	133	315	108	159	415	305	1290	1342	176.5	439	150	90	M16	80
1050	TS-RVA-105	139.8	315	108	159	415	305	1340	1390	174	440	150	100	M12	83
1200	TS-RVA-120-1	108	380	108	176	500	305	1540	1592	174	424	150	90	M16	95
	TS-RVA-120-2	133	380	133	176	500	305	1540	1592	186.5	449	150	90	M16	105
	TS-RVA-120-3	133	380	133	176	500	306	1540	1592	186.5	449	150	90	M16	115
	TS-RVA-120-4	139.8	370	108	159	475	305	1490	1540	199.5	466	150	100	M16	105
	TS-RVA-120-5	139.8	370	108	159	475	306	1490	1540	199.5	466	150	100	M16	115
	TS-RVA-120-6	159	380	159	194	500	305	1540	1592	199.5	475	150	90	M16	115
	TS-RVA-120-7	159	380	159	194	500	306	1540	1592	199.5	475	150	90	M16	120
1400	TS-RVA-140-1	108	465	108	176	550	305	1080	1740	184	434	150	90	M16	100
	TS-RVA-140-2	133	465	108	176	550	305	1080	1740	196.5	459	150	90	M16	115
	TS-RVA-140-3	133	465	108	176	550	306	1080	1740	196.5	459	150	90	M16	125
	TS-RVA-140-4	159	465	108	176	550	305	1080	1740	209.5	485	150	90	M16	130
	TS-RVA-140-5	159	465	108	176	550	306	1080	1740	209.5	485	150	90	M16	140
	TS-RVA-140-6	165.2	465	108	176	550	305	1730	1790	160	437	150	120	M16	127
	TS-RVA-140-7	165.2	465	108	176	550	306	1730	1790	160	437	150	120	M16	137

RETURN V-TYPE SELF-ALIGNING IDLER

Width	Model	Roller					Bearing No.	A	L	H1	H2	P	Q	d0	Weight(Kg)
		D	L1	D2	D3	L2									
1600	TS-RVA-160-1	133	530	108	176	590	305	1980	2050	100	413	240	150	M16	160
	TS-RVA-160-2	133	530	108	176	590	306	1980	2050	100	413	240	150	M16	170
	TS-RVA-160-3	159	530	133	194	650	306	1980	2050	100	426	240	150	M16	180
	TS-RVA-160-4	159	530	133	194	650	308	1980	2050	100	426	240	150	M16	190
	TS-RVA-160-5	165.2	530	133	194	610	306	1930	1990	160	487	240	120	M16	175
	TS-RVA-160-6	165.2	530	133	194	610	308	1930	1990	160	487	240	120	M16	185
1800	TS-RVA-180-1	133	600	108	194	680	305	2180	2250	100	413	240	150	M16	175
	TS-RVA-180-2	133	600	108	194	680	306	2180	2250	100	413	240	150	M16	185
	TS-RVA-180-3	159	600	133	194	685	306	2180	2250	100	426	240	150	M16	195
	TS-RVA-180-4	159	600	133	194	685	308	2180	2250	100	426	240	150	M16	205
	TS-RVA-180-5	165.2	580	133	194	650	306	2200	2280	160	487	240	120	M16	200
	TS-RVA-180-6	165.2	580	133	194	650	308	2200	2280	160	487	240	120	M16	210
2000	TS-RVA-200-1	159	670	133	194	820	306	2420	2500	100	545	280	150	M16	225
	TS-RVA-200-2	159	670	133	194	820	308	2420	2500	100	545	280	150	M16	235
	TS-RVA-200-3	165.2	650	133	194	820	306	2420	2480	160	606	280	120	M16	230
	TS-RVA-200-4	165.2	650	133	194	820	308	2420	2480	160	606	280	120	M16	240
	TS-RVA-200-5	194	670	140	219	820	308	2420	2500	147	609	280	150	M16	250
	TS-RVA-200-6	194	670	140	194	820	310	2420	2500	147	609	280	150	M16	260
2200	TS-RVA-220-1	159	750	133	194	820	306	2720	2800	100	545	280	150	M16	240
	TS-RVA-220-2	159	750	133	194	820	308	2720	2800	100	545	280	150	M16	250
	TS-RVA-220-3	165.2	750	133	194	820	306	2720	2800	133	579	280	150	M16	245
	TS-RVA-220-4	165.2	750	133	194	820	308	2720	2800	133	579	280	150	M16	255
	TS-RVA-220-5	194	750	140	219	820	308	2720	2800	147	609	280	150	M16	265
	TS-RVA-220-6	194	750	140	219	820	310	2720	2800	147	609	280	150	M16	275
2400	TS-RVA-240-1	159	800	133	219	900	308	3020	3110	100	545	280	150	M20	260
	TS-RVA-240-2	159	800	133	219	900	310	3020	3110	100	545	280	150	M20	275
	TS-RVA-240-3	165.2	800	133	219	900	308	3020	3110	160	487	280	150	M20	265
	TS-RVA-240-4	165.2	800	133	219	900	310	3020	3110	160	487	280	150	M20	280
	TS-RVA-240-5	194	800	140	219	900	308	3020	3110	117.5	580	280	150	M20	285
	TS-RVA-240-6	194	800	140	219	900	310	3020	3110	117.5	580	280	150	M20	300

RETURN V-TYPE FORWARD-LEANING IDLER

Denomination Example



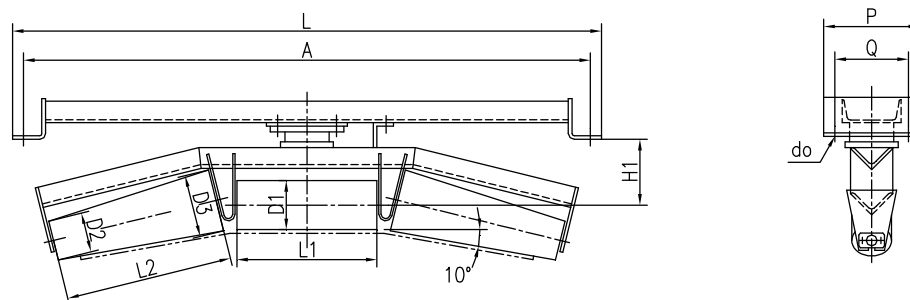
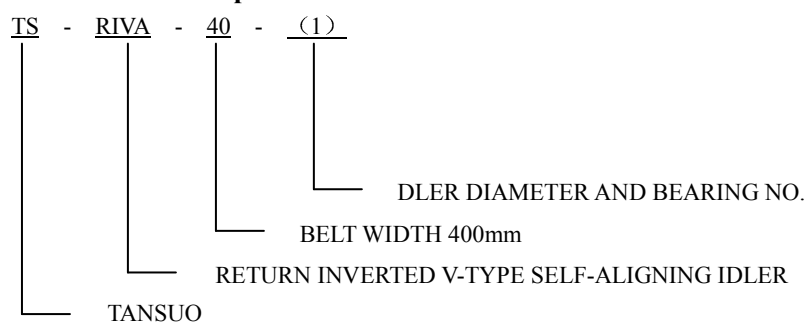
Width	Model	Roller			Bearing No.	A	L	H ₁	H ₂	P	Q	d ₀	Weight(Kg)
		Roller Type	D	L ₁									
400	TS-RVF-40	CR-89-204-225	89	225	204	640	690	50.5	215	110	60	M12	17
450	TS-RVF-45	CR-89-204-250	89	250	204	690	740	50.5	216.5	110	60	M12	19
500	TS-RVF-50	CR-89-204-275	89	275	204	740	792	50.5	218.5	110	90	M12	21
600	TS-RVF-60	CR-89-204-325	89	325	204	840	890	50.5	226	110	60	M12	22
650	TS-RVF-65	CR-89-204-380	89	380	204	890	942	50.5	228.5	110	90	M12	25
750	TS-RVF-75	CR-114.3-205-415	114.3	415	205	1040	1090	42.85	251.35	110	60	M12	30
800	TS-RVF-80-1	CR-89-204-465	89	465	204	1090	1142	95	323	145	90	M12	29
	TS-RVF-80-2	CR-108-205-465	108	465	205	1090	1142	100	338	145	90	M12	33
900	TS-RVF RIV-90	CR-114.3-305-490	114.3	490	305	1190	1240	96.85	316.85	145	60	M12	33
1000	TS-RVF-100-1	CR-108-305-600	108	600	305	1290	1342	110	371	150	90	M16	47
	TS-RVF-100-2	CR-133-305-600	133	600	305	1290	1342	110	384	150	90	M16	53
1050	TS-RVF-105	CR-139.8-305-600	139.8	600	305	1340	1390	104.1	353.6	150	100	M12	55
1200	TS-RVF-120-1	CR-108-305-700	108	700	305	1540	1592	120	421	150	90	M16	53
	TS-RVF-120-2	CR-133-305-700	133	700	305	1540	1592	120	434	150	90	M16	59
	TS-RVF-120-3	CR-133-306-700	133	700	306	1540	1592	120	434	150	90	M16	65
	TS-RVF-120-4	CR-139.8-305-700	139.8	700	305	1490	1540	120	383.5	150	100	M16	60
	TS-RVF-120-5	CR-139.8-306-700	139.8	700	306	1490	1540	120	383.5	150	100	M16	60
	TS-RVF-120-6	CR-159-305-700	159	700	305	1540	1592	120	447	150	90	M16	68
	TS-RVF-120-7	CR-159-306-700	159	700	306	1540	1592	120	447	150	90	M16	73
1400	TS-RVF-140-1	CR-108-305-800	108	800	305	1080	1740	130	450	150	90	M16	55
	TS-RVF-140-2	CR-133-305-800	133	800	305	1080	1740	130	463	150	90	M16	77
	TS-RVF-140-3	CR-133-306-800	133	800	306	1080	1740	130	463	150	90	M16	83
	TS-RVF-140-4	CR-159-305-800	159	800	305	1080	1740	130	476	150	90	M16	87
	TS-RVF-140-5	CR-159-306-800	159	800	306	1080	1740	130	476	150	90	M16	93
	TS-RVF-140-6	CR-165.2-305-800	165.2	800	305	1730	1790	77.4	384	150	120	M16	80
	TS-RVF-140-7	CR-165.2-306-800	165.2	800	306	1730	1790	77.4	384	150	120	M16	96

RETURN V-TYPE FORWARD-LEANING IDLER

Width	Model	Roller			Bearing No.	A	L	H ₁	H ₂	P	Q	d ₀	Weight(Kg)
		Roller Type	D	L ₁									
1600	TS- RVF -160-1	CR-133-305-900	133	900	305	1980	2050	33.5	500	210	150	M16	106
	TS- RVF -160-2	CR-133-306-900	133	900	306	1980	2050	33.5	500	210	150	M16	114
	TS- RVF -160-3	CR-159-306-900	159	900	306	1980	2050	20.5	540	210	150	M16	129
	TS- RVF -160-4	CR-159-308-900	159	900	308	1980	2050	20.5	540	210	150	M16	145
	TS- RVF -160-5	CR-165.2-306-900	165.2	900	306	1930	1990	77.4	411.5	210	120	M16	132
	TS- RVF -160-6	CR-165.2-308-900	165.2	900	308	1930	1990	77.4	411.5	210	120	M16	148
1800	TS- RVF -180-1	CR-133-305-1000	133	1000	305	2180	2250	33.5	565	210	150	M16	116
	TS- RVF -180-2	CR-133-306-1000	133	1000	306	2180	2250	33.5	565	210	150	M16	124
	TS- RVF -180-3	CR-159-306-1000	159	1000	306	2180	2250	20.5	565	210	150	M16	139
	TS- RVF -180-4	CR-159-308-1000	159	1000	308	2180	2250	20.5	565	210	150	M16	156
	TS- RVF -180-5	CR-165.2-306-1000	165.2	1000	306	2200	2280	77.4	419	210	120	M16	142
	TS- RVF -180-6	CR-165.2-308-1000	165.2	1000	308	2200	2280	77.4	419	210	120	M16	159
2000	TS- RVF -200-1	CR-159-306-1100	159	1100	306	2420	2500	20.5	590	210	150	M16	154
	TS- RVF -200-2	CR-159-308-1100	159	1100	308	2420	2500	20.5	590	210	150	M16	172
	TS- RVF -200-3	CR-165.2-306-1100	165.2	1100	306	2420	2480	77.4	428	210	120	M16	158
	TS- RVF -200-4	CR-165.2-308-1100	165.2	1100	308	2420	2480	77.4	428	210	120	M16	176
	TS- RVF -200-5	CR-194-308-1100	194	1100	308	2420	2500	50	645.5	210	150	M16	205
	TS- RVF -200-6	CR-194-310-1100	194	1100	310	2420	2500	50	645.5	210	150	M16	225
2200	TS- RVF -220-1	CR-159-306-1250	159	1250	306	2720	2800	20.5	655	240	150	M16	190
	TS- RVF -220-2	CR-159-308-1250	159	1250	308	2720	2800	20.5	655	240	150	M16	215
	TS- RVF -220-3	CR-165.2-306-1250	165.2	1250	306	2720	2800	77.4	441	240	150	M16	195
	TS- RVF -220-4	CR-165.2-308-1250	165.2	1250	308	2720	2800	77.4	441	240	150	M16	220
	TS- RVF -220-5	CR-194-308-1250	194	1250	308	2720	2800	50	700	240	150	M16	259
	TS- RVF -220-6	CR-194-310-1250	194	1250	310	2720	2800	50	700	240	150	M16	280
2400	TS- RVF -240-1	CR-159-308-1400	159	1400	308	3020	3110	20.5	701	240	150	M20	235
	TS- RVF -240-2	CR-159-310-1400	159	1400	310	3020	3110	20.5	701	240	150	M20	250
	TS- RVF -240-3	CR-165.2-308-1400	165.2	1400	308	3020	3110	77.4	454	240	150	M20	240
	TS- RVF -240-4	CR-165.2-310-1400	165.2	1400	310	3020	3110	77.4	454	240	150	M20	255
	TS- RVF -240-5	CR-194-308-1400	194	1400	308	3020	3110	20.5	684	240	150	M20	280
	TS- RVF -240-6	CR-194-310-1400	194	1400	310	3020	3110	20.5	684	240	150	M20	300

RETURN INVERTED V-TYPE SELF-ALIGNING IDLER

Denomination Example



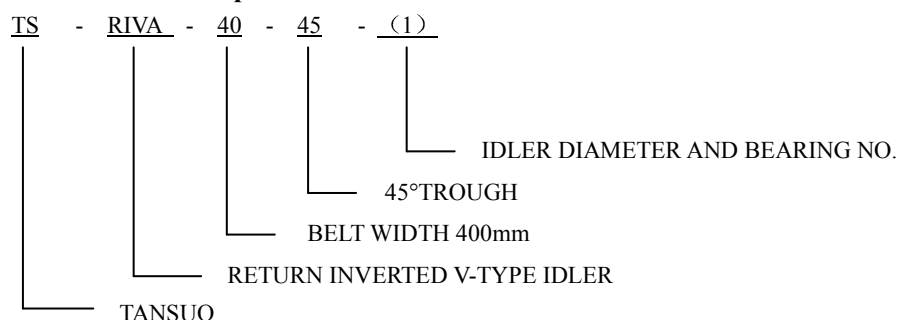
Width	Model	Roller					Bearing No.	A	L	H ₁	P	Q	d ₀	Weight(Kg)
		D ₁	L ₁	D ₂	D ₃	L ₂								
400	TS-RIVA-40	89	100	89	118	210	204	640	690	125	190	60	M12	65
450	TS-RIVA-45	89	145	89	118	210	204	690	740	125	190	60	M12	70
500	TS-RIVA-50	89	180	89	118	210	204	740	792	135.5	170	90	M12	73
600	TS-RIVA-60	89	210	89	118	210	204	840	890	140	200	60	M12	78
650	TS-RIVA-65	89	210	89	122	240	204	890	942	135.5	170	90	M12	82
750	TS-RIVA-75	114.3	250	89	133	304	205	1040	1090	150	210	60	M12	102
800	TS-RIVA-80-1	89	250	108	133	340	204	1090	1142	135.5	170	90	M12	97
	TS-RIVA-80-2	108	250	108	133	340	205	1090	1142	146	170	90	M12	102
900	TS-RIVA-90	114.3	280	89	133	340	305	1190	1240	150	210	60	M12	105
1000	TS-RIVA-100-1	108	315	108	159	415	305	1290	1342	159	220	90	M16	135
	TS-RIVA-100-2	133	315	108	159	415	305	1290	1342	173.5	220	90	M16	145
1050	TS-RIVA-105	139.8	315	108	159	415	305	1340	1390	180	230	100	M12	150
1200	TS-RIVA-120-1	108	380	108	176	500	305	1540	1592	176	280	90	M16	150
	TS-RIVA-120-2	133	380	133	176	500	305	1540	1592	190.5	280	90	M16	160
	TS-RIVA-120-3	133	380	133	176	500	306	1540	1592	207.5	280	90	M16	165
	TS-RIVA-120-4	139.8	370	108	159	475	305	1490	1540	180	280	100	M16	160
	TS-RIVA-120-5	139.8	370	108	159	475	306	1490	1540	180	280	100	M16	165
	TS-RIVA-120-6	159	380	159	194	500	305	1540	1592	190.5	280	90	M16	180
	TS-RIVA-120-7	159	380	159	194	500	306	1540	1592	207.5	280	90	M16	195
1400	TS-RIVA-140-1	108	465	108	176	550	305	1080	1740	184	280	90	M16	165
	TS-RIVA-140-2	133	465	108	176	550	305	1080	1740	198.5	280	90	M16	195
	TS-RIVA-140-3	133	465	108	176	550	306	1080	1740	198.5	280	90	M16	205
	TS-RIVA-140-4	159	465	108	176	550	305	1080	1740	215.5	280	90	M16	230
	TS-RIVA-140-5	159	465	108	176	550	306	1080	1740	215.5	280	90	M16	245
	TS-RIVA-140-6	165.2	465	108	176	550	305	1730	1790	250	340	120	M16	250
	TS-RIVA-140-7	165.2	465	108	176	550	306	1730	1790	250	340	120	M16	265

RETURN INVERTED V-TYPE SELF-ALIGNING IDLER

Width	Model	Roller					Bearing No.	A	L	H ₁	P	Q	d ₀	Weight(Kg)
		D	L ₁	D ₂	D ₃	L ₂								
1600	TS-RIVA-160-1	133	530	108	176	590	305	1980	2050	208.5	280	150	M16	240
	TS-RIVA-160-2	133	530	108	176	590	306	1980	2050	208.5	280	150	M16	245
	TS-RIVA-160-3	159	530	133	194	650	306	1980	2050	230.5	280	150	M16	265
	TS-RIVA-160-4	159	530	133	194	650	308	1980	2050	230.5	280	150	M16	280
	TS-RIVA-160-5	165.2	530	133	194	610	306	1930	1990	250.4	340	120	M16	255
	TS-RIVA-160-6	165.2	530	133	194	610	308	1930	1990	250.4	340	120	M16	270
1800	TS-RIVA-180-1	133	600	108	194	680	305	2180	2250	230.5	280	150	M16	245
	TS-RIVA-180-2	133	600	108	194	680	306	2180	2250	230.5	280	150	M16	260
	TS-RIVA-180-3	159	600	133	194	685	306	2180	2250	280.4	280	150	M16	280
	TS-RIVA-180-4	159	600	133	194	685	308	2180	2250	230.5	280	150	M16	295
	TS-RIVA-180-3	165.2	580	133	194	650	306	2200	2280	280.4	390	120	M16	285
	TS-RIVA-180-4	165.2	580	133	194	650	308	2200	2280	280.4	390	120	M16	300
2000	TS-RIVA-200-1	159	670	133	194	820	306	2420	2500	240.5	340	150	M16	330
	TS-RIVA-200-2	159	670	133	194	820	308	2420	2500	250.5	340	150	M16	350
	TS-RIVA-200-3	165.2	650	133	194	820	306	2420	2480	280.4	390	120	M16	330
	TS-RIVA-200-4	165.2	650	133	194	820	308	2420	2480	280.4	390	120	M16	350
	TS-RIVA-200-5	194	670	140	219	820	308	2420	2500	283	340	150	M16	370
	TS-RIVA-200-6	194	670	140	194	820	310	2420	2500	283	340	150	M16	390
2200	TS-RIVA-220-1	159	750	133	194	820	306	2720	2800	250.5	340	150	M16	350
	TS-RIVA-220-2	159	750	133	194	820	308	2720	2800	265.5	340	150	M16	370
	TS-RIVA-220-3	165.2	750	133	194	820	306	2720	2800	251.4	340	150	M16	360
	TS-RIVA-220-4	165.2	750	133	194	820	308	2720	2800	265.4	340	150	M16	380
	TS-RIVA-220-5	194	750	140	219	820	308	2720	2800	283	340	150	M16	390
	TS-RIVA-220-6	194	750	140	219	820	310	2720	2800	293	340	150	M16	410
2400	TS-RIVA-240-1	159	800	133	219	900	308	3020	3110	285.5	340	150	M20	370
	TS-RIVA-240-2	159	800	133	219	900	310	3020	3110	285.5	340	150	M20	390
	TS-RIVA-240-3	165.2	800	133	219	900	308	3020	3110	285.4	340	150	M20	375
	TS-RIVA-240-4	165.2	800	133	219	900	310	3020	3110	285.4	340	150	M20	395
	TS-RIVA-240-5	194	800	140	219	900	308	3020	3110	293	340	150	M20	410
	TS-RIVA-240-6	194	800	140	219	900	310	3020	3110	313	340	150	M20	430

RETURN INVERTED V-TYPE IDLER

Denomination Example



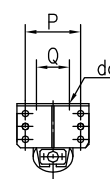
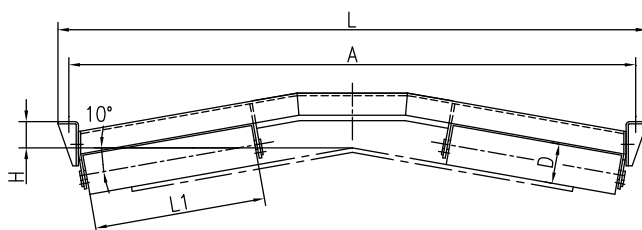
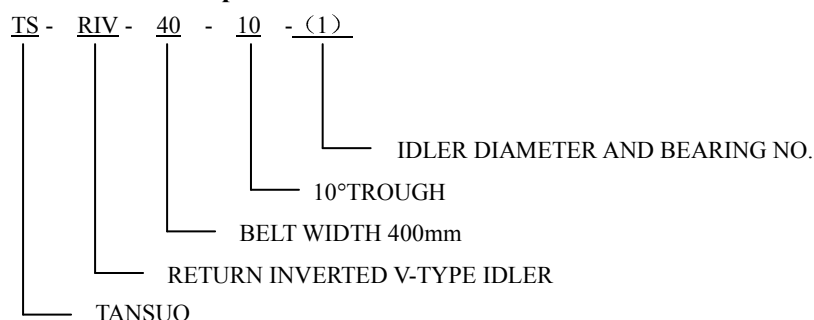
Width	Model	Roller			Bearing No.	A	L	L'	H ₁	P	Q	d ₀	Weight(Kg)
		Roller Type	D	L ₁									
400	TS-RIVA-40	CR-89-204-100	89	100	204	640	690	440	50.5	110	60	M12	14
450	TS-RIVA-45	CR-89-204-100	89	100	204	690	740	490	50.5	110	60	M12	16
500	TS-RIVA-50	CR -89-204-100	89	100	204	740	792	540	50.5	110	90	M12	18
600	TS-RIVA-60	CR -89-204-150	89	150	204	840	890	600	50.5	110	60	M12	20
650	TS-RIVA-65	CR -89-204-150	89	150	204	890	942	690	50.5	110	90	M12	22
750	TS-RIVA-75	CR -114.3-205-150	114.3	150	205	1040	1090	790	42.85	110	60	M12	28
800	TS-RIVA-80-1	CR -89-204--200	89	200	204	1090	1142	840	95	145	90	M12	25
	TS-RIVA-80-2	CR -108-205-200	108	200	205	1090	1142	840	100	145	90	M12	28
900	TS-RIVA-90	CR -114.3-305-200	114.3	200	305	1190	1240	940	96.85	145	60	M12	30
1000	TS-RIVA-100-1	CR -108-305-200	108	200	305	1290	1342	1030	110	150	90	M16	32
	TS-RIVA-100-2	CR -133-305-200	133	200	305	1290	1342	1030	110	150	90	M16	34
1050	TS-RIVA-105	CR -139.8-305-200	139.8	200	305	1340	1390	1080	104.1	150	100	M12	36
1200	TS-RIVA-120-1	CR -108-305-250	108	250	305	1540	1592	1230	120	150	90	M16	44
	TS-RIVA-120-2	CR -133-305-250	133	250	305	1540	1592	1230	120	150	90	M16	47
	TS-RIVA-120-3	CR -133-306-250	133	250	306	1540	1592	1230	120	150	90	M16	50
	TS-RIVA-120-4	CR -139.8-305-250	133	250	305	1490	1540	1230	120	150	100	M16	48
	TS-RIVA-120-5	CR -139.8-306-250	133	250	306	1490	1540	1230	120	150	100	M16	51
	TS-RIVA-120-6	CR -159-305-250	159	250	305	1540	1592	1230	120	150	90	M16	52
	TS-RIVA-120-7	CR -159-306-250	159	250	306	1540	1592	1230	120	150	90	M16	56
1400	TS-RIVA-140-1	CR-108-305-250	108	250	305	1080	1740	1480	130	150	90	M16	51
	TS-RIVA-140-2	CR-133-305-250	133	250	305	1080	1740	1480	130	150	90	M16	53
	TS-RIVA-140-3	CR-133-306-250	133	250	306	1080	1740	1480	130	150	90	M16	58
	TS-RIVA-140-4	CR-159-305-250	159	250	305	1080	1740	1480	130	150	90	M16	60
	TS-RIVA-140-5	CR-159-306-250	159	250	306	1080	1740	1480	130	150	90	M16	64
	TS-RIVA-140-6	CR-165.2-305-250	165.2	250	305	1730	1790	1480	77.4	150	120	M16	62
	TS-RIVA-140-7	CR-165.2-306-250	165.2	250	306	1730	1790	1480	77.4	150	120	M16	66

RETURN INVERTED V-TYPE IDLER

Width	Model	Roller			Bearing No.	A	L	L'	H _i	P	Q	d ₀	Weight(Kg)
		Roller Type	D	L _i									
1600	TS-RIVA-160-1	CR-133-305-315	133	315	305	1980	2050	1680	33.5	210	150	M16	76
	TS-RIVA-160-2	CR-133-306-315	133	315	306	1980	2050	1680	33.5	210	150	M16	81
	TS-RIVA-160-3	CR-159-306-315	159	315	306	1980	2050	1680	20.5	210	150	M16	83
	TS-RIVA-160-4	CR-159-308-315	159	315	308	1980	2050	1680	20.5	210	150	M16	90
	TS-RIVA-160-5	CR-165.2-306-315	165.2	315	306	1930	1990	1680	77.4	210	120	M16	85
	TS-RIVA-160-6	CR-165.2-308-315	165.2	315	308	1930	1990	1680	77.4	210	120	M16	84
1800	TS-RIVA-180-1	CR-133-305-380	133	380	306	2180	2250	1880	33.5	210	150	M16	89
	TS-RIVA-180-2	CR-133-306-380	133	380	306	2180	2250	1880	33.5	210	150	M16	92
	TS-RIVA-180-3	CR-159-306-380	159	380	306	2180	2250	1880	20.5	210	150	M16	95
	TS-RIVA-180-4	CR-159-308-380	159	380	308	2180	2250	1880	20.5	210	150	M16	101
	TS-RIVA-180-5	CR-165.2-306-380	165.2	380	306	2200	2280	1880	77.4	210	120	M16	96
	TS-RIVA-180-6	CR-165.2-308-380	165.2	380	308	2200	2280	1880	77.4	210	120	M16	104
2000	TS-RIVA-200-1	CR-159-306-380	159	380	306	2420	2500	2080	20.5	210	150	M16	98
	TS-RIVA-200-2	CR-159-308-380	159	380	308	2420	2500	2080	20.5	210	150	M16	106
	TS-RIVA-200-3	CR-165.2-306-380	165.2	380	306	2420	2480	2080	77.4	210	120	M16	101
	TS-RIVA-200-4	CR-165.2-308-380	165.2	380	308	2420	2480	2080	77.4	210	120	M16	109
	TS-RIVA-200-5	CR-194-308-380	194	380	308	2420	2500	2080	50	210	150	M16	124
	TS-RIVA-200-6	CR-194-310-380	194	380	310	2420	2500	2080	50	210	150	M16	140
2200	TS-RIVA-220-1	CR-159-306-465	159	465	306	2720	2800	2280	20.5	240	150	M16	127
	TS-RIVA-220-2	CR-159-308-465	159	465	308	2720	2800	2280	20.5	240	150	M16	136
	TS-RIVA-220-3	CR-165.2-306-465	165.2	465	306	2720	2800	2280	77.4	240	150	M16	130
	TS-RIVA-220-4	CR-165.2-308-465	165.2	465	308	2720	2800	2280	77.4	240	150	M16	140
	TS-RIVA-220-5	CR-194-308-465	194	465	308	2720	2800	2280	50	240	150	M16	155
	TS-RIVA-220-6	CR-194-310-465	194	500	310	2720	2800	2280	50	240	150	M16	170
2400	TS-RIVA-240-1	CR-159-308-500	159	500	308	3020	3110	2480	20.5	240	150	M20	165
	TS-RIVA-240-2	CR-159-310-500	159	500	310	3020	3110	2480	20.5	240	150	M20	180
	TS-RIVA-240-3	CR-165.2-308-500	165.2	500	308	3020	3110	2480	77.4	240	150	M20	170
	TS-RIVA-240-4	CR-165.2-310-500	165.2	500	310	3020	3110	2480	77.4	240	150	M20	185
	TS-RIVA-240-5	CR-194-308-500	194	500	308	3020	3110	2480	20.5	240	150	M20	180
	TS-RIVA-240-6	CR-194-310-500	194	500	310	3020	3110	2480	20.5	240	150	M20	200

RETURN INVERTED V-TYPE IDLER

Denomination Example



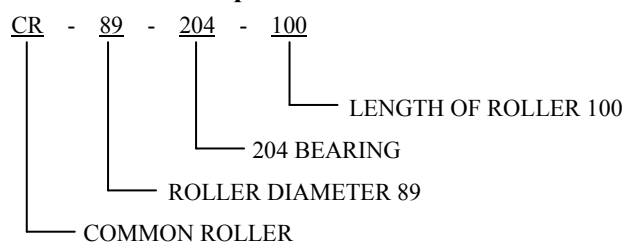
Width	Model	Roller			Bearing No.	A	L	H	P	Q	d _o	Weight(Kg)
		Roller Type	D	L ₁								
400	TS-RIVB-40	CR-89-204-145	89	145	204	640	690	50.5	110	60	M12	15
450	TS-RIVB-45	CR-89-204-165	89	165	204	690	740	50.5	110	60	M12	17
500	TS-RIVB-50	CR -89-204-200	89	200	204	740	792	50.5	110	90	M12	20
600	TS-RIVB60	CR -89-204-210	89	210	204	840	890	50.5	110	60	M12	22
650	TS-RIVB65	CR -89-204-250	89	250	204	890	942	50.5	110	90	M12	24
750	TS-RIVB75	CR -114.3-205-265	114.3	265	205	1040	1090	42.85	110	60	M12	31
800	TS-RIVB80-1	CR -89-204-315	89	315	204	1090	1142	95	145	90	M12	27
	TS-RIVB80-2	CR -108-205-315	108	315	205	1090	1142	100	145	90	M12	31
900	TS-RIVB90	CR -114.3-305-315	114.3	315	305	1190	1240	96.85	145	60	M12	33
1000	TS-RIVB100-1	CR -108-305-380	108	380	305	1290	1342	110	150	90	M16	34
	TS-RIVB100-2	CR -133-305-380	133	380	305	1290	1342	110	150	90	M16	37
1050	TS-RIVB105	CR -139.8-305-370	139.8	370	305	1340	1390	104.1	150	100	M12	40
1200	TS-RIVB120-1	CR -108-305-465	108	465	305	1540	1592	120	150	90	M16	48
	TS-RIVB120-2	CR -133-305-465-	133	465	305	1540	1592	120	150	90	M16	52
	TS-RIVB120-3	CR -133-306-465	133	465	306	1540	1592	120	150	90	M16	55
	TS-RIVB120-4	CR -139.8-305-420	133	420	305	1490	1540	120	150	100	M16	53
	TS-RIVB120-5	CR -139.8-306-420	133	420	306	1490	1540	120	150	100	M16	56
	TS-RIVB120-6	CR -159-305-465	159	465	305	1540	1592	120	150	90	M16	57
	TS-RIVB120-7	CR -159-306-465	159	465	306	1540	1592	120	150	90	M16	61
1400	TS-RIVB140-1	CR-108-305-530	108	530	305	1080	1740	130	150	90	M16	56
	TS-RIVB140-2	CR-133-305-530	133	530	305	1080	1740	130	150	90	M16	58
	TS-RIVB140-3	CR-133-306-530	133	530	306	1080	1740	130	150	90	M16	64
	TS-RIVB140-4	CR-159-305-530	159	530	305	1080	1740	130	150	90	M16	66
	TS-RIVB140-5	CR-159-306-530	159	530	306	1080	1740	130	150	90	M16	70
	TS-RIVB140-6	CR-165.2-305-500	165.2	500	305	1730	1790	77.4	150	120	M16	68
	TS-RIVB140-7	CR-165.2-306-500	165.2	500	306	1730	1790	77.4	150	120	M16	73

RETURN INVERTED V-TYPE IDLER

Width	Model	Roller			Bearing No.	A	L	H	P	Q	d ₀	Weight(Kg)
		Roller Type	D	L ₁								
1600	TS-RIVB160-1	CR-133-305-600	133	600	305	1980	2050	33.5	210	150	M16	84
	TS-RIVB160-2	CR-133-306-600	133	600	306	1980	2050	33.5	210	150	M16	89
	TS-RIVB160-3	CR-159-306-600	159	600	306	1980	2050	20.5	210	150	M16	91
	TS-RIVB160-4	CR-159-308-600	159	600	308	1980	2050	20.5	210	150	M16	99
	TS-RIVB160-5	CR-165.2-306-580	165.2	580	306	1930	1990	77.4	210	120	M16	93
	TS-RIVB160-6	CR-165.2-308-580	165.2	580	308	1930	1990	77.4	210	120	M16	101
1800	TS-RIVB180-1	CR-133-305-670	133	670	305	2180	2250	33.5	210	150	M16	101
	TS-RIVB180-2	CR-133-306-670	133	670	306	2180	2250	33.5	210	150	M16	104
	TS-RIVB180-3	CR-159-306-670	159	670	306	2180	2250	20.5	210	150	M16	108
	TS-RIVB180-4	CR-159-308-670	159	670	308	2180	2250	20.5	210	150	M16	112
	TS-RIVB180-5	CR-165.2-306-650	165.2	650	306	2200	2280	77.4	210	120	M16	106
	TS-RIVB180-6	CR-165.2-308-650	165.2	650	308	2200	2280	77.4	210	120	M16	114
2000	TS-RIVB200-1	CR-159-306-750	159	750	306	2420	2500	20.5	210	150	M16	108
	TS-RIVB200-2	CR-159-308-750	159	750	308	2420	2500	20.5	210	150	M16	117
	TS-RIVB200-3	CR-165.2-306-750	165.2	730	306	2420	2480	77.4	210	120	M16	111
	TS-RIVB200-4	CR-165.2-308-750	165.2	730	308	2420	2480	77.4	210	120	M16	120
	TS-RIVB200-5	CR-194-308-750	194	750	308	2420	2500	50	210	150	M16	136
	TS-RIVB200-6	CR-194-310-750	194	750	310	2420	2500	50	210	150	M16	154
2200	TS-RIVB220-1	CR-159-306-800	159	800	306	2720	2800	20.5	240	150	M16	140
	TS-RIVB220-2	CR-159-308-800	159	800	308	2720	2800	20.5	240	150	M16	150
	TS-RIVB220-3	CR-165.2-306-800	165.2	800	306	2720	2800	77.4	240	150	M16	143
	TS-RIVB220-4	CR-165.2-308-800	165.2	800	308	2720	2800	77.4	240	150	M16	154
	TS-RIVB220-5	CR-194-308-800	194	800	308	2720	2800	50	240	150	M16	170
	TS-RIVB220-6	CR-194-310-800	194	800	310	2720	2800	50	240	150	M16	187
2400	TS-RIVB240-1	CR-159-308-900	159	900	308	3020	3110	20.5	240	150	M20	181
	TS-RIVB240-2	CR-159-310-900	159	900	310	3020	3110	20.5	240	150	M20	198
	TS-RIVB240-3	CR-165.2-308-900	165.2	900	308	3020	3110	77.4	240	150	M20	187
	TS-RIVB240-4	CR-165.2-310-900	165.2	900	310	3020	3110	77.4	240	150	M20	204
	TS-RIVB240-5	CR-194-308-900	194	900	308	3020	3110	20.5	240	150	M20	198
	TS-RIVB240-6	CR-194-310-900	194	900	310	3020	3110	20.5	240	150	M20	220

COMMON ROLLER

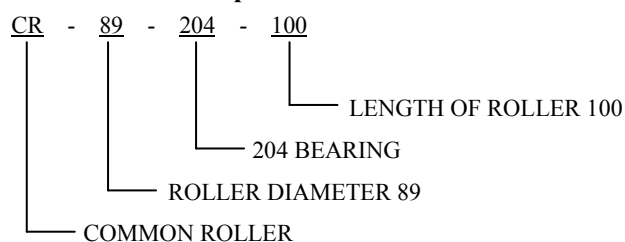
Denomination Example



MODEL	D	d	Bearing No.	L1	L2	b	a	L3	Rotating Weight(Kg)	Weighting(Kg)
CR-89-204-100	89	20	204	100	110	14	6	130	1.0	1.5
CR-89-204-145	89	20	204	145	155	14	6	175	1.45	2.2
CR-89-204-150	89	20	204	150	160	14	6	180	1.58	2.3
CR-89-204-165	89	20	204	165	175	14	6	195	1.65	2.5
CR-89-204-180	89	20	204	180	190	14	6	210	1.8	2.7
CR-89-204-200	89	20	204	200	210	14	6	230	2.0	3.0
CR-89-204-210	89	20	204	210	220	14	6	240	2.1	3.2
CR-89-204-225	89	20	204	225	235	14	6	255	2.25	3.4
CR-89-204-250	89	20	204	250	260	14	6	230	2.4	3.6
CR-89-204-275	89	20	204	275	285	14	6	305	2.64	3.96
CR-89-204-315	89	20	204	315	325	14	6	345	2.74	4.1
CR-89-204-325	89	20	204	325	335	14	6	355	2.83	4.2
CR-89-204-380	89	20	204	380	390	14	6	410	3.1	5.1
CR-89-204-460	89	20	204	460	470	14	6	490	3.66	5.4
CR-89-204-465	89	20	204	465	475	14	6	495	3.7	5.5
CR-89-204-510	89	20	204	510	520	14	6	540	4.1	6.0
CR-89-204-560	89	20	204	560	570	14	6	590	4.2	6.35
CR-89-204-600	89	20	204	600	610	14	6	630	4.5	6.8
CR-89-204-660	89	20	204	660	670	14	6	690	4.95	7.5
CR-89-204-750	89	20	204	750	760	14	6	780	5.43	8.2
CR-89-204-950	89	20	204	950	960	14	6	980	6.7	11.4
CR-108-205-200	108	25	205	200	210	18	8	234	2.2	3.4
CR-108-205-250	108	25	205	250	260	18	8	284	2.7	4.1
CR-108-205-315	108	25	205	315	325	18	8	349	3.9	5.6
CR-108-205-465	108	25	205	465	475	18	8	499	5.3	7.3
CR-108-205-950	108	25	205	950	960	18	8	984	9.8	14.8
CR-108-305-200	108	25	305	200	210	18	8	234	2.3	3.5
CR-108-305-250	108	25	305	250	260	18	8	284	2.8	4.3
CR-108-305-380	108	25	305	380	390	18	8	414	4.5	6.2

COMMON ROLLER

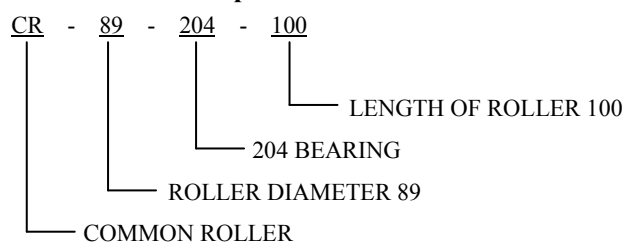
Denomination Example



MODEL	D	d	Bearing No.	L1	L2	b	a	L3	Rotating Weight(Kg)	Weighting(Kg)
CR-108-305-500	108	25	305	500	510	18	8	534	5.1	8
CR-108-305-530	108	25	305	530	540	18	8	564	5.4	8.5
CR-108-305-600	108	25	305	600	610	18	8	634	6.84	10.5
CR-108-305-700	108	25	305	700	710	18	8	734	7.9	12.0
CR-108-305-800	108	25	305	800	810	18	8	834	7.9	12.5
CR-108-305-1150	108	25	305	1150	1160	18	8	1184	12.0	18.5
CR-108-305-1400	108	25	305	1400	1410	18	8	1434	14.4	22.2
CR-108-305-1600	108	25	305	1600	1610	18	8	1634	16.3	25.2
CR-114.3-205-150	114.3	25	205	150	160	18	8	184	1.7	2.5
CR-114.3-205-250	114.3	25	205	250	260	18	8	284	2.84	4.07
CR-114.3-205-265	114.3	25	205	265	275	18	8	299	2.96	4.4
CR-114.3-205-315	114.3	25	205	315	325	18	8	349	3.5	5.2
CR-114.3-205-415	114.3	25	205	415	425	18	8	449	4.6	6.8
CR-114.3-205-850	114.3	25	205	850	860	18	8	884	9.5	14.0
CR-114.3-305-200	114.3	25	305	200	210	18	8	234	2.4	3.6
CR-114.3-305-250	114.3	25	305	250	260	18	8	274	3.0	4.5
CR-114.3-305-280	114.3	25	305	280	290	18	8	314	3.36	4.68
CR-114.3-305-315	114.3	25	305	315	325	18	8	349	3.5	5.3
CR-114.3-305-490	114.3	25	305	490	500	18	8	524	5.9	8.8
CR-114.3-305-1000	114.3	25	305	1000	1010	18	8	1034	11.2	16.84
CR-133-305-200	133	25	305	200	210	18	8	224	3.28	4.6
CR-133-305-250	133	25	305	250	260	18	8	284	4.1	5.8
CR-133-305-315	133	25	305	315	325	18	8	349	5.2	7.2
CR-133-305-380	133	25	305	380	390	18	8	414	6.3	8.9
CR-133-305-465	133	25	305	465	475	18	8	499	7.4	10.5
CR-133-305-530	133	25	305	530	540	18	8	564	8.3	11.6
CR-133-305-600	133	25	305	600	610	18	12	642	9.12	12.9
CR-133-305-670	133	25	305	670	680	18	12	712	10.0	14.1
CR-133-305-700	133	25	305	700	710	18	8	734	10.4	14.7

COMMON ROLLER

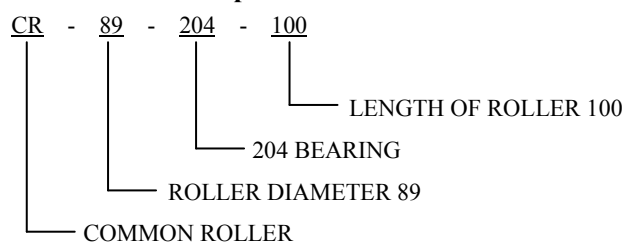
Denomination Example



MODEL	D	d	Bearing No.	L1	L2	b	a	L3	Rotating Weight(Kg)	Weighting(Kg)
CR-133-305-800	133	25	305	800	810	18	8	834	11.7	16.6
CR-133-305-900	133	25	305	900	910	18	8	934	12.9	18.4
CR-133-305-1000	133	25	305	1000	1110	18	8	1034	14.4	20.5
CR-133-305-1150	133	25	305	1150	1160	18	8	1184	16.1	23.0
CR-133-305-1400	133	25	305	1400	1410	18	8	1434	19.4	27.6
CR-133-305-1600	133	25	305	1600	1610	18	8	1634	21.9	31.2
CR-133-305-1800	133	25	305	1800	1810	18	8	1834	24.45	38.1
CR-133-306-200	133	30	306	200	210	22	8	234	3.34	5.1
CR-133-306-250	133	30	306	250	260	22	8	284	4.2	6.4
CR-133-306-315	133	30	306	315	325	22	8	349	5.3	8.1
CR-133-306-380	133	30	306	380	390	22	8	414	6.4	9.7
CR-133-306-465	133	30	306	465	475	22	8	499	7.8	11.8
CR-133-306-530	133	30	306	530	540	22	8	564	8.9	13.4
CR-133-306-600	133	30	306	600	610	22	12	642	10.0	15.1
CR-133-306-670	133	30	306	670	680	22	12	712	11.2	16.7
CR-133-306-700	133	30	306	700	710	22	8	734	11.7	17.7
CR-133-306-800	133	30	306	800	810	22	8	834	12.9	19.7
CR-133-306-900	133	30	306	900	910	22	8	934	14.19	21.8
CR-133-306-1400	133	30	306	1400	1410	22	8	1434	20.7	31.9
CR-133-306-1600	133	30	306	1600	1610	22	8	1634	23.3	36.0
CR-133-306-1800	133	30	306	1800	1810	22	8	1834	25.7	47.7
CR-133-306-2000	133	30	306	2000	2010	22	8	2034	29.1	15.9
CR-139.8-305-200	139.8	25	305	200	210	18	8	234	3.0	4.2
CR-139.8-305-250	139.8	25	305	250	260	18	8	284	3.8	5.3
CR-139.8-305-315	139.8	25	305	315	325	18	8	349	4.7	5.7
CR-139.8-305-370	139.8	25	305	370	380	18	8	404	5.5	7.7
CR-139.8-305-420	139.8	25	305	420	430	18	8	454	6.3	8.8
CR-139.8-305-600	139.8	25	305	600	610	18	8	634	9.0	12.5
CR-139.8-305-700	139.8	25	305	700	710	18	8	734	10.5	14.6
CR-139.8-305-1150	139.8	25	305	1150	1160	18	8	1184	17.1	24.0

COMMON ROLLER

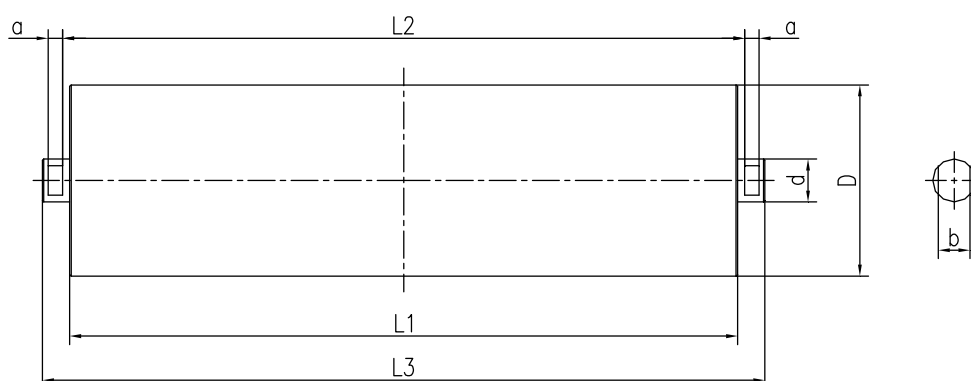
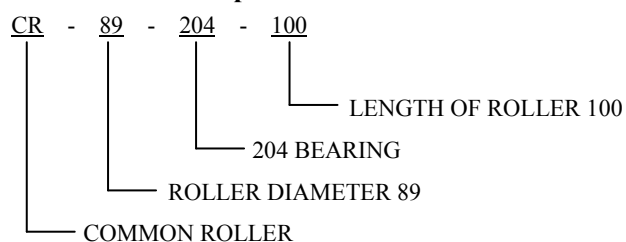
Denomination Example



MODEL	D	d	Bearing No.	L1	L2	b	a	L3	Rotating Weight(Kg)	Weighting(Kg)
CR-139.8-305-1300	139.8	25	305	1300	1310	18	8	1334	19.3	27.1
CR-139.8-306-250	139.8	30	306	250	260	22	8	284	3.9	6.0
CR-139.8-306-370	139.8	30	306	370	380	22	8	404	5.75	8.7
CR-139.8-306-420	139.8	30	306	420	430	22	8	454	6.5	9.9
CR-139.8-306-600	139.8	30	306	600	610	22	8	634	9.3	14.1
CR-139.8-306-700	139.8	30	306	700	710	22	8	734	10.8	16.4
CR-139.8-306-1300	139.8	30	306	1300	1310	22	8	1334	20.2	30.6
CR-159-305-250	159	25	305	250	260	18	8	274	5.4	7.2
CR-159-305-315	159	25	305	315	325	18	8	349	6.8	9.1
CR-159-305-380	159	25	305	380	390	18	8	414	8.2	11.3
CR-159-305-465	159	25	305	465	475	18	8	499	10.1	13.4
CR-159-305-530	159	25	305	530	540	18	8	564	11.3	15.0
CR-159-305-700	159	25	305	700	710	18	8	734	14.9	19.7
CR-159-305-800	159	25	305	800	810	18	8	834	17.0	22.5
CR-159-305-1400	159	25	305	1400	1410	18	8	1434	26.06	35.0
CR-159-305-1600	159	25	305	1600	1610	18	8	1634	29.49	39.6
CR-159-305-1800	159	25	305	1800	1810	18	8	1834	33.2	43.4
CR-159-306-250	159	30	306	250	260	22	8	284	5.8	8.2
CR-159-306-315	159	30	306	315	325	22	8	349	7.3	10.4
CR-159-306-380	159	30	306	380	390	22	8	414	8.8	12.4
CR-159-306-465	159	30	306	465	475	22	8	499	10.8	15.2
CR-159-306-530	159	30	306	530	540	22	8	564	12.23	17.3
CR-159-306-600	159	30	306	600	610	22	12	642	13.47	19.1
CR-159-306-670	159	30	306	670	680	22	12	712	14.54	20.7
CR-159-306-700	159	30	306	700	710	22	12	742	15.2	21.6
CR-159-306-750	159	30	306	750	760	22	12	792	15.91	22.8
CR-159-306-800	159	30	306	800	810	22	12	842	16.86	24.0
CR-159-306-900	159	30	306	900	910	22	12	942	18.48	26.5
CR-159-306-1000	159	30	306	1000	1010	22	8	1034	20.19	28.9

COMMON ROLLER

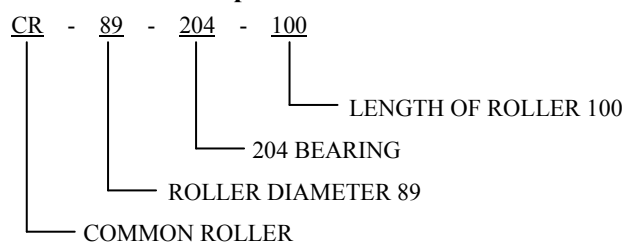
Denomination Example



MODEL	D	d	Bearing No.	L1	L2	b	a	L3	Rotating Weight(Kg)	weight (Kg)
CR-159-306-1100	159	30	306	1100	1110	22	8	1134	21.9	31.5
CR-159-306-1250	159	30	306	1250	1260	22	8	1384	24.45	35.2
CR-159-306-1400	159	30	306	1400	1410	22	8	1434	27.09	38.9
CR-159-306-1600	159	30	306	1600	1610	22	8	1634	30.58	44.0
CR-159-306-1800	159	30	306	1800	1810	22	8	1834	25.71	43.4
CR-159-306-2000	159	30	306	2000	2010	22	8	2034	28.27	48.0
CR-159-306-2200	159	30	306	2200	2210	22	8	2234	40.71	68.4
CR-159-306-2400	159	30	306	2400	2410	22	8	2434	44.4	74.6
CR-159-306-2500	159	30	306	2500	2510	22	8	2534	45.84	77.3
CR-159-308-600	159	40	308	600	610	32	12	642	14.44	23.5
CR-159-308-670	159	40	308	670	680	32	12	712	17.86	31.3
CR-159-308-750	159	40	308	750	760	32	12	792	17.01	29.8
CR-159-308-800	159	40	308	800	810	32	12	842	17.90	29.5
CR-159-308-900	159	40	308	900	910	32	12	942	19.57	34.6
CR-159-308-1000	159	40	308	1000	1010	32	12	1042	21.74	35.8
CR-159-308-1100	159	40	308	1100	1110	32	12	1142	22.99	38.4
CR-159-308-1250	159	40	308	1250	1260	32	12	1292	25.56	43.1
CR-159-308-1400	159	40	308	1400	1410	32	12	1442	27.29	46.5
CR-159-308-1800	159	40	308	1800	1810	32	12	1842	34.96	59.3
CR-159-308-2000	159	40	308	2000	2010	32	12	2042	38.38	65.2
CR-159-308-2200	159	40	308	2200	2210	32	12	2242	41.80	77.1
CR-159-308-2400	159	40	308	2400	2410	32	12	2442	45.6	84.1
CR-159-308-2500	159	40	308	2500	2510	32	12	2542	46.93	86.9
CR-159-308-2800	159	40	308	2800	2810	32	12	2842	52.34	96.7
CR-159-310-750	159	50	310	750	760	40	12	792	16.5	29.1
CR-159-310-900	159	50	310	900	910	40	12	942	19.57	34.6
CR-159-310-1400	159	50	310	1400	1410	40	12	1442	30.4	53.8
CR-159-310-2800	159	50	310	2800	2810	40	12	2842	52.34	105.3
CR-165.2-305-250	165.2	25	305	250	260	18	8	284	6.0	8.2

COMMON ROLLER

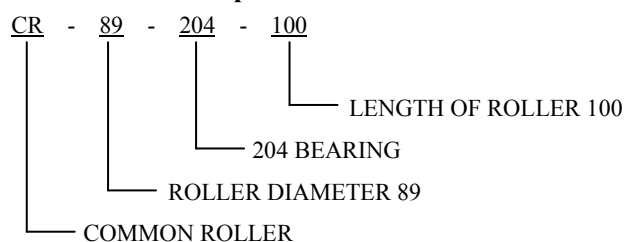
Denomination Example



MODEL	D	d	Bearing No.	L1	L2	b	a	L3	Rotating Weight(Kg)	Weighting(Kg)
CR-165.2-305-465	165.2	25	305	465	475	18	8	499	11.1	15.0
CR-165.2-305-500	165.2	25	305	500	510	18	8	534	11.9	15.5
CR-165.2-305-800	165.2	25	305	800	810	18	8	834	19.04	24.8
CR-165.2-305-1530	165.2	25	305	1530	1540	18	8	1564	36.4	47.43
CR-165.2-306-465	165.2	30	306	465	475	22	8	499	11.2	15.4
CR-165.2-306-500	165.2	30	306	500	510	22	8	534	12.0	15.7
CR-165.2-306-530	165.2	30	306	530	540	22	8	564	12.7	17.5
CR-165.2-306-580	165.2	30	306	580	590	22	12	622	13.0	18.2
CR-165.2-306-650	165.2	30	306	650	660	22	12	692	14.6	20.4
CR-165.2-306-730	165.2	30	306	730	740	22	12	772	16.4	22.9
CR-165.2-306-800	165.2	30	306	800	810	22	8	842	17.97	25.1
CR-165.2-306-900	165.2	30	306	900	910	22	8	942	19.6	27.6
CR-165.2-306-1000	165.2	30	306	1000	1010	22	8	1034	21.3	30.0
CR-165.2-306-1100	165.2	30	306	1100	1110	22	8	1134	23.0	32.6
CR-165.2-306-1250	165.2	30	306	1250	1260	22	8	1284	25.55	36.3
CR-165.2-306-1400	165.2	30	306	1400	1410	22	8	1434	28.2	40.0
CR-165.2-306-1530	165.2	30	306	1530	1540	22	8	1564	30.8	43.7
CR-165.2-306-1730	165.2	30	306	1730	1740	22	8	1464	34.9	49.4
CR-165.2-306-2000	165.2	30	306	2000	2010	22	8	2034	29.4	49.1
CR-165.2-306-2200	165.2	30	306	2200	2210	22	8	2234	41.8	69.5
CR-165.2-306-2400	165.2	30	306	2400	2410	22	8	2434	45.5	75.7
CR-165.2-306-2500	165.2	30	306	2500	2510	22	8	2534	46.9	78.4
CR-165.2-306-2800	165.2	30	306	2800	2810	22	8	2834	52.4	87.7
CR-165.2-308-315	165.2	25	308	315	325	32	12	357	7.5	12.4
CR-165.2-308-380	165.2	25	308	380	390	32	12	412	9.0	14.6
CR-165.2-308-465	165.2	25	308	465	475	32	12	507	11.0	17.9
CR-165.2-308-500	165.2	25	308	500	510	32	12	542	11.8	19.2
CR-165.2-308-580	165.2	40	308	580	590	32	12	622	13.7	22.2
CR-165.2-308-650	165.2	40	308	650	660	32	12	692	15.4	24.9
CR-165.2-308-730	165.2	40	308	730	740	32	12	772	17.3	27.9
CR-165.2-308-750	165.2	40	308	750	760	32	12	792	17.8	28.7

COMMON ROLLER

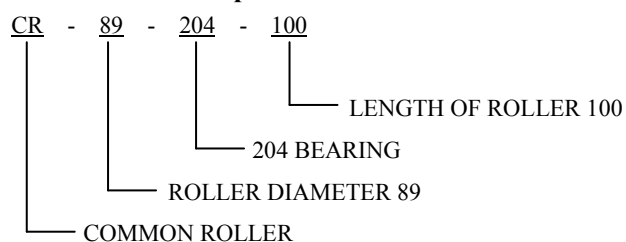
Denomination Example



MODEL	D	d	Bearing No.	L1	L2	b	a	L3	Rotating Weight(Kg)	Weighting(Kg)
CR-165.2-308-800	165.2	40	308	800	810	32	12	842	19.0	30.6
CR-165.2-308-900	165.2	40	308	900	910	32	12	942	20.7	35.7
CR-165.2-308-1000	165.2	40	308	1000	1010	32	12	1042	21.9	35.8
CR-165.2-308-1100	165.2	40	308	1100	1110	32	12	1142	24.1	39.4
CR-165.2-308-1250	165.2	40	308	1250	1260	32	12	1292	26.7	44.2
CR-165.2-308-1400	165.2	40	308	1400	1410	32	12	1442	28.4	46.6
CR-165.2-308-1730	165.2	40	308	1730	1740	32	12	1772	35.1	57.6
CR-165.2-308-2000	165.2	40	308	2000	2010	32	12	2042	39.5	66.3
CR-165.2-308-2200	165.2	40	308	2200	2210	32	12	2242	42.9	78.2
CR-165.2-308-2400	165.2	40	308	2400	2410	32	12	2442	46.7	85.2
CR-165.2-308-2500	165.2	40	308	2500	2510	32	12	2542	48.0	88.0
CR-165.2-308-2800	165.2	40	308	2800	2810	32	12	2842	53.4	97.8
CR-165.2-310-500	165.2	50	310	500	510	40	12	542	11.5	20.1
CR-165.2-310-900	165.2	50	310	900	910	40	12	942	20.7	35.7
CR-165.2-310-1400	165.2	50	310	1400	1410	40	12	1442	31.5	54.9
CR-165.2-310-2800	165.2	50	310	2800	2810	40	12	2842	53.4	106.4
CR-194-308-380	194	40	308	380	390	32	12	422	14.5	20.9
CR-194-308-465	194	40	308	465	475	32	12	507	17.7	25.4
CR-194-308-500	194	40	308	500	510	32	12	542	19.0	27.2
CR-194-308-750	194	40	308	750	760	32	12	792	26.68	38.7
CR-194-308-800	194	40	308	800	810	32	12	842	28.14	40.8
CR-194-308-900	194	40	308	900	910	32	12	942	31.06	45.1
CR-194-308-1100	194	40	308	1100	1110	32	12	1142	37.96	55.1
CR-194-308-1250	194	40	308	1250	1260	32	12	1292	41.28	60.3
CR-194-308-1400	194	40	308	1400	1410	32	12	1442	45.82	66.7
CR-194-308-2200	194	40	308	2200	2210	32	12	2242	69.02	113.7
CR-194-308-2400	194	40	308	2400	2410	32	12	2442	74.7	123.3
CR-194-308-2500	194	40	308	2500	2510	32	12	2542	77.78	128.4
CR-194-308-2800	194	40	308	2800	2810	32	12	2842	70.00	124.7

COMMON ROLLER

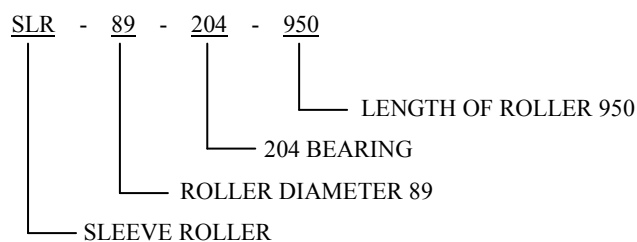
Denomination Example



MODEL	D	d	Bearing No.	L1	L2	b	a	L3	Rotating Weight(Kg)	Weighting(Kg)
CR-194-310-380	194	50	310	380	390	40	12	422	14.5	23.8
CR-194-310-465	194	50	310	465	475	40	12	507	17.7	28.9
CR-194-310-500	194	50	310	500	510	40	12	542	19.0	31.0
CR-194-310-670	194	50	310	670	680	40	12	712	25.4	41.2
CR-194-310-750	194	50	310	750	760	40	12	792	28.46	46.0
CR-194-310-800	194	50	310	800	810	40	12	842	29.92	48.4
CR-194-310-900	194	50	310	900	910	40	12	942	32.84	53.3
CR-194-310-1100	194	50	310	1100	1110	40	12	1142	40.1	65.1
CR-194-310-1250	194	50	310	1250	1250	40	12	1282	45.6	74.0
CR-194-310-1400	194	50	310	1400	1410	40	12	1442	51.1	82.9
CR-194-310-2200	194	50	310	2200	2210	40	12	2242	73.18	119.7
CR-194-310-2400	194	50	310	2400	2410	40	12	2442	78	128.5
CR-194-310-2500	194	50	310	2500	2510	40	12	2542	81.5	134.0
CR-194-310-2800	194	50	310	2800	2810	40	12	2842	88.32	146.8

SLEEVE ROLLER

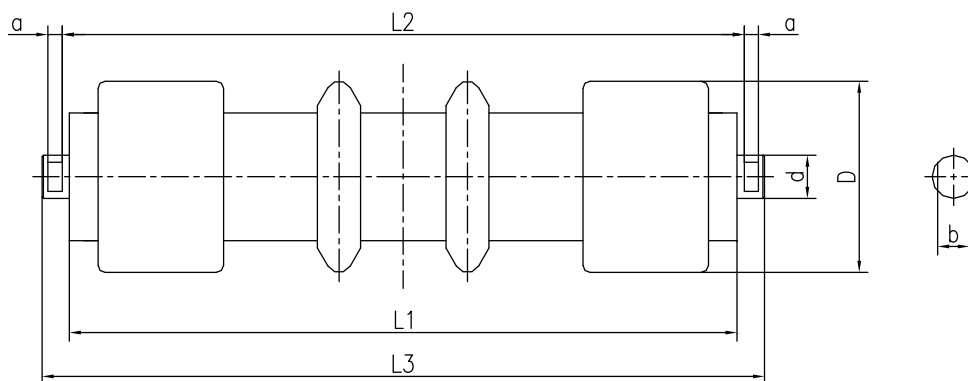
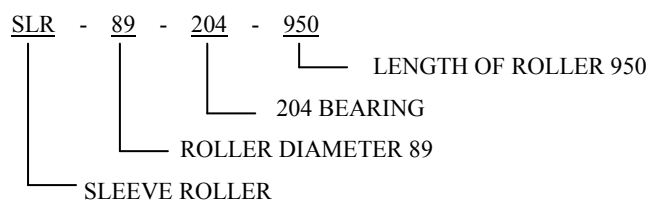
Denomination Example



MODEL	D	d	Bearing No.	L1	L2	b	a	L3	Rotating Weight(Kg)	Weighting(Kg)
SLR-89-204-460	89	20	204	460	470	14	6	490	4.07	6.0
SLR-89-204-510	89	20	204	510	520	14	6	540	4.5	6.5
SLR-89-204-600	89	20	204	600	610	14	6	630	5.23	7.6
SLR-89-204-660	89	20	204	660	670	14	6	690	5.8	8.4
SLR-89-204-750	89	20	204	750	760	14	6	780	6.15	9.0
SLR-89-204-950	89	20	204	950	960	14	6	980	7.65	11.2
SLR-108-205-950	108	25	205	950	960	18	8	984	12.4	17.9
SLR-108-205-1150	108	25	205	1150	1160	18	8	1184	14.5	21.1
SLR-108-305-1400	108	25	305	1400	1410	18	8	1434	16.9	24.7
SLR-108-305-1600	108	25	305	1600	1610	18	8	1634	18.9	27.9
SLR-114.3-205-850	114.3	25	205	850	860	18	8	884	11.8	16.7
SLR-114.3-305-1000	114.3	25	305	1000	1010	18	8	1034	13.8	19.6
SLR-133-305-1150	133	25	305	1150	1160	18	8	1184	15.73	22.5
SLR-133-305-1400	133	25	305	1400	1410	18	8	1434	18.67	26.8
SLR-133-305-1600	133	25	305	1600	1610	18	8	1634	24.3	34.2
SLR-133-305-1800	133	25	305	1800	1810	18	8	1834	24.65	38.3
SLR-133-305-2000	133	25	305	2000	2010	18	8	2034	27.39	42.6
SLR-133-306-1400	133	30	306	1400	1410	22	8	1434	17.96	28.7
SLR-133-306-1600	133	30	306	1600	1610	22	8	1634	23.05	35.5
SLR-133-306-1800	133	30	306	1800	1810	22	8	1834	24.93	45.6
SLR-133-306-2000	133	30	306	2000	2010	22	8	2034	27.7	50.6
SLR-139.8-305-1150	139.8	25	305	1150	1160	18	8	1184	16.6	23.4
SLR-139.8-305-1300	139.8	25	305	1300	1310	18	8	1334	18.8	26.4
SLR-139.8-306-1300	139.8	30	306	1300	1310	22	8	1334	18.8	27.4
SLR-159-305-1400	159	25	305	1400	1410	18	8	1434	22.27	30.8
SLR-159-305-1600	159	25	305	1600	1610	18	8	1634	26.7	36.5
SLR-159-305-1800	159	25	305	1800	1810	18	8	1834	30.0	41.0

SLEEVE ROLLER

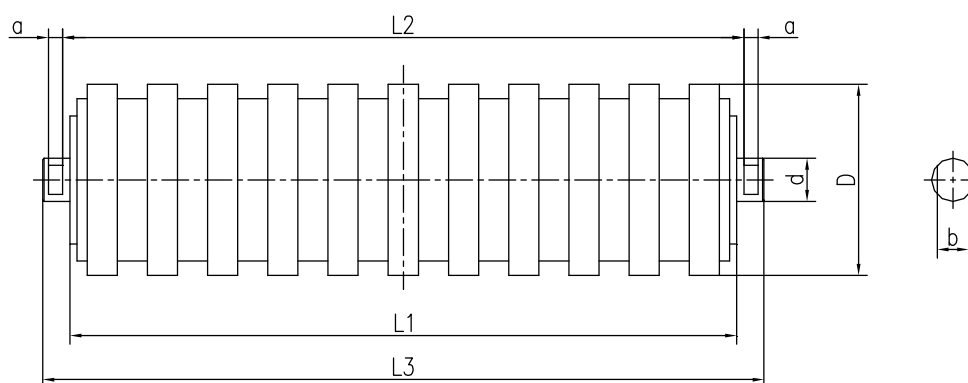
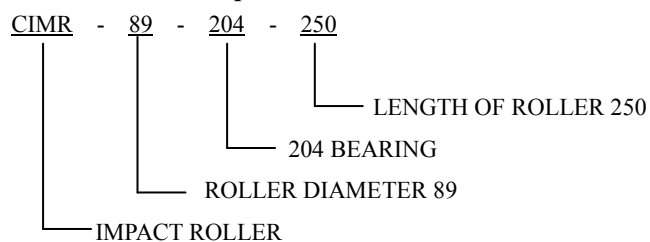
Denomination Example



MODEL	D	d	Bearing No.	L1	L2	b	a	L3	Rotating Weight(Kg)	Weighting(Kg)
SLR-159-306-1400	159	30	306	1400	1410	22	8	1434	24.46	36.1
SLR-159-306-1600	159	30	306	1600	1610	22	8	1634	25.52	41.4
SLR-159-306-1800	159	30	306	1800	1810	22	8	1834	27.53	49.8
SLR-159-306-2000	159	30	306	2000	2010	22	8	2034	30.66	50.7
SLR-159-306-2200	159	30	306	2200	2210	22	8	2234	25.98	63.5
SLR-159-306-2500	159	30	306	2500	2510	22	8	2534	40.68	71.8
SLR-159-308-1800	159	40	308	1800	1810	32	12	1842	29.25	52.8
SLR-159-308-2000	159	40	308	2000	2010	32	12	2042	32.68	58.4
SLR-159-308-2200	159	40	308	2200	2210	32	12	2242	37.69	66.4
SLR-159-308-2500	159	40	308	2500	2510	32	12	2542	42.38	81.6
SLR-159-308-2800	159	40	308	2800	2810	32	12	2842	52.81	97.6
SLR-159-310-2800	159	50	310	2800	2810	40	12	2842	52.81	97.6
SLR-165.2-305-1530	165.2	25	305	1530	1540	22	8	1564	26.2	35.6
SLR-165.2-306-1530	165.2	30	306	1530	1540	22	8	1564	24.02	39.3
SLR-165.2-306-1730	165.2	30	306	1730	1740	22	8	1764	27.2	44.5
SLR-165.2-306-2000	165.2	30	306	2000	2010	22	8	2034	31.4	51.4
SLR-165.2-306-2200	165.2	30	306	2200	2210	22	8	2234	26.7	64.2
SLR-165.2-306-2500	165.2	30	306	2500	2510	22	8	2534	41.4	72.5
SLR-165.2-308-1730	165.2	40	308	1730	1740	32	12	1772	26.0	51.1
SLR-165.2-308-2000	165.2	40	308	2000	2010	32	12	2042	30.0	59.1
SLR-165.2-308-2200	165.2	40	308	2200	2210	32	12	2242	38.4	67.1
SLR-165.2-308-2500	165.2	40	308	2500	2510	32	12	2542	44.0	82.3
SLR-165.2-308-2800	165.2	40	308	2800	2810	32	12	2842	53.6	98.3
SLR-165.2-310-2800	165.2	50	310	2800	2810	40	12	2842	53.6	98.3
SLR-194-308-2200	194	40	308	2200	2210	32	12	2242	65.8	110.2
SLR-194-308-2500	194	40	308	2500	2510	32	12	2542	69.91	119.8
SLR-194-308-2800	194	40	308	2600	2810	32	12	2842	80.50	136.5
SLR-194-310-2200	194	50	310	2200	2210	40	12	2242	65.80	110.2
SLR-194-310-2500	194	50	310	2500	2510	40	12	2542	69.91	119.8
SLR-194-310-2800	194	50	310	2600	2810	40	12	2842	80.50	136.5

IMPACT ROLLER

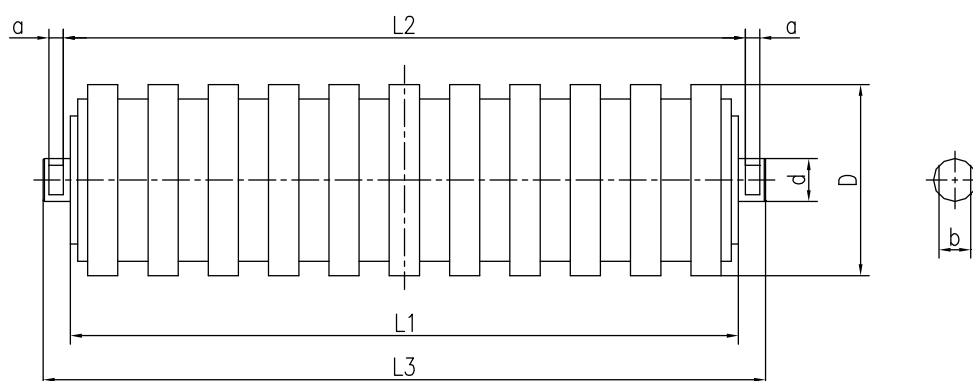
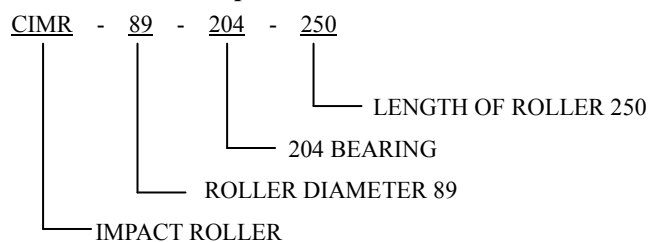
Denomination Example



MODEL	D	d	Bearing No.	L1	L2	b	a	L3	Rotating Weight(Kg)	Weighting(Kg)
CIMR-89-204-145	89	20	204	145	155	14	6	175	2	3.0
CIMR-89-204-165	89	20	204	165	175	14	6	195	2.2	3.2
CIMR-89-204-180	89	20	204	180	190	14	6	210	2.6	3.6
CIMR-89-204-210	89	20	204	210	220	14	6	240	2.8	3.9
CIMR-89-204-250	89	20	204	250	265	14	6	285	306	4.8
CIMR-89-204-315	89	20	204	315	325	14	6	345	4.6	5.6
CIMR-108-205-315	108	25	205	315	325	18	8	349	4.43	6.7
CIMR-108-305-380	108	25	305	380	390	18	8	414	5.15	7.8
CIMR-108-305-465	108	25	305	465	475	18	8	499	5.9	8.5
CIMR-108-305-530	108	25	305	530	540	18	8	564	7.1	10.1
CIMR-114.3-205-265	114.3	20	205	265	275	18	8	199	4.9	6.1
CIMR-114.3-305-315	114.3	25	305	315	325	18	8	349	6.1	7.2
CIMR-133-305-380	133	25	305	380	390	18	8	414	6.89	9.6
CIMR-133-305-465	133	25	305	465	475	18	8	499	8	11.3
CIMR-133-305-530	133	25	305	530	530	18	8	554	9.22	12.8
CIMR-133-305-600	133	25	305	600	610	18	12	642	9.7	14.6
CIMR-133-305-670	133	25	305	670	680	18	12	712	11.4	16.3
CIMR-133-306-465	133	30	306	465	475	22	8	499	8.15	12.2
CIMR-133-306-530	133	30	306	530	540	22	8	564	9.19	13.7
CIMR-133-306-600	133	30	306	600	610	22	12	642	10.15	15.2
CIMR-133-306-670	133	30	306	670	680	22	12	712	11.7	17.3
CIMR-139.8-305-370	139.8	25	305	370	380	18	8	404	7.45	10.1
CIMR-139.8-305-465	139.8	25	305	465	475	18	8	499	8.91	12.0
CIMR-139.8-306-465	139.8	30	306	465	475	18	8	499	8.9	12.9
CIMR-159-305-465	159	25	305	465	475	18	8	499	9.62	15.7
CIMR-159-305-530	159	25	305	530	540	18	8	564	11.14	16.4
CIMR-159-306-465	159	30	306	465	475	22	8	499	10.44	18.0

IMPACT ROLLER

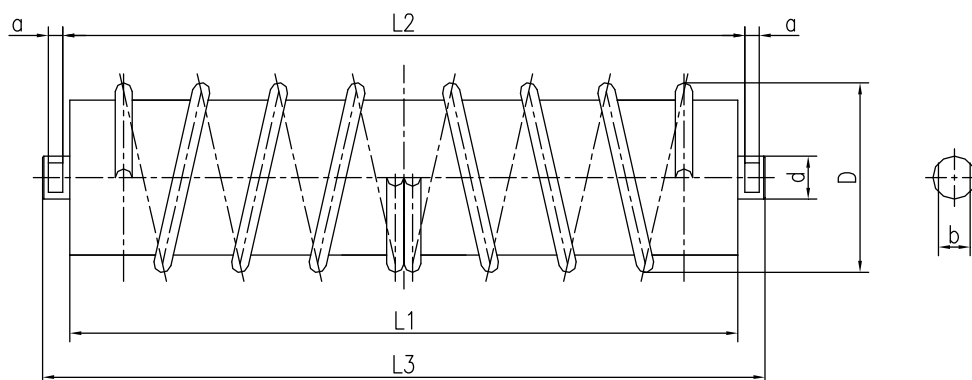
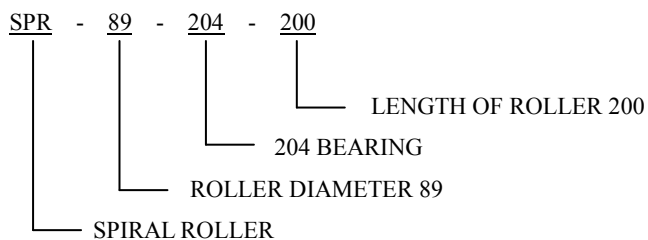
Denomination Example



规格 MODEL	D	d	Bearing No.	L1	L2	B	a	L3	Rotating Weight(Kg)	Weighting (Kg)
CIMR-159-306-530	159	30	306	530	540	22	8	564	11.72	18.4
CIMR-159-306-600	159	30	306	600	610	22	12	642	13.84	18.9
CIMR-159-306-670	159	30	306	670	680	22	12	712	14.85	21.1
CIMR-159-306-750	159	30	306	750	760	22	12	792	16.11	22.9
CIMR-159-306-800	159	30	306	800	810	22	12	842	17.13	24.3
CIMR-159-308-600	159	40	308	600	610	32	12	642	18.33	27.7
CIMR-159-308-670	159	40	308	670	680	32	12	712	20.44	30.8
CIMR-159-308-750	159	40	308	750	760	32	12	792	21.27	34.8
CIMR-159-308-800	159	40	308	800	810	32	12	842	23.16	37.3
CIMR-159-308-900	159	40	308	900	910	32	12	942	25.87	39.3
CIMR-159-310-900	159	50	310	900	910	40	12	942	25.87	41.6
CIMR-165.2-305-500	165.2	25	305	500	510	18	8	534	9.7	13.2
CIMR-165.2-306-500	165.2	30	306	500	510	22	8	534	11.7	16.3
CIMR-165.2-306-580	165.2	30	306	580	590	22	12	622	13.6	19.0
CIMR-165.2-306-650	165.2	30	306	650	660	22	12	692	15.2	21.2
CIMR-165.2-306-730	165.2	30	306	730	740	22	12	772	16.4	23.03
CIMR-165.2-306-800	165.2	30	306	800	810	22	12	842	17.9	25.1
CIMR-165.2-308-580	165.2	40	308	580	590	32	12	622	18.5	27.5
CIMR-165.2-308-650	165.2	40	308	650	660	32	12	692	20.6	30.6
CIMR-165.2-308-730	165.2	40	308	730	740	32	12	772	21.4	34.6
CIMR-165.2-308-800	165.2	40	308	800	810	32	12	842	23.9	38.04
CIMR-165.2-308-900	165.2	40	308	900	910	32	12	942	26.6	40.04
CIMR-165.2-310-900	165.2	50	310	900	910	40	12	942	26.6	42.3
CIMR-194-308-750	194	40	308	750	760	32	12	792	30.75	43.0
CIMR-194-308-800	194	40	308	800	810	32	12	842	37.06	50.5
CIMR-194-308-900	194	40	308	900	910	32	12	942	40.87	55.8
CIMR-194-310-750	194	50	310	750	760	40	12	792	30.75	47.4
CIMR-194-310-800	194	50	310	800	810	40	12	842	37.06	54.8
CIMR-194-310-900	194	50	310	900	910	40	12	942	40.87	60.7

SPIRAL ROLLER

Denomination Example



MODEL	D	d	Bearing No.	L1	L2	b	a	L3	Rotating Weight(Kg)	Weighting(Kg)
SPR-89-204-460	89	20	204	460	470	14	6	490	3.4	11.2
SPR-89-204-510	89	20	204	510	520	14	6	540	4.4	12.2
SPR-89-204-560	89	20	204	560	570	14	6	690	5.4	13.2
SPR-89-204-660	89	20	204	660	670	14	6	690	6.4	14.4
SPR-89-204-750	89	20	204	750	760	14	6	780	8.5	16.4
SPR-89-204-1150	89	20	204	1150	1160	14	6	1180	10.5	18.4
SPR-108-205-1150	108	25	205	1150	1160	14	6	1180	14.9	23.1
SPR-108-305-1150	108	25	305	1150	1160	18	8	1184	16.6	23.5
SPR-108-305-1400	108	25	305	1400	1410	18	8	1434	19.4	27.5
SPR-108-305-1600	108	25	305	1600	1610	18	8	1634	24.5	31.8
SPR-114.3-205-850	114.3	25	305	850	860	18	8	884	11.9	20.1
SPR-114.3-305-1000	114.3	25	305	1000	1010	18	8	1034	13.9	22.1
SPR-133-305-1150	133	25	305	1150	1160	18	8	1184	23.4	30.2
SPR-133-305-1400	133	25	305	1400	1410	18	8	1434	27.5	36.3
SPR-133-305-1600	133	25	305	1600	1610	18	8	1634	30.8	40.9
SPR-133-305-1800	133	25	305	1800	1810	18	8	1834	32.3	45.6
SPR-133-305-2000	133	25	305	2000	2010	18	8	2034	39.40	57.0
SPR-133-306-1400	133	30	306	1400	1410	18	8	1434	28.1	38.2
SPR-133-306-1600	133	30	306	1600	1610	18	8	1634	31.6	44.1
SPR-133-306-1800	133	30	306	1800	1810	18	8	1834	35.2	50.8
SPR-133-306-2000	133	30	306	2000	2010	18	8	2034	41.35	64.1
SPR-139.8-305-1150	139.8	25	305	1150	1160	18	8	1184	25.4	32.2
SPR-139.8-305-1300	139.8	25	305	1300	1310	18	8	1434	28.7	36.4
SPR-139.8-306-1300	139.8	30	306	1300	1310	18	8	1434	29.4	37.1
SPR-159-305-1400	159	25	305	1400	1410	18	8	1434	31.2	40.7
SPR-159-305-1600	159	25	305	1600	1610	18	8	1634	35.7	46.5

PULLEY SELECTS THE EXPLANATION

1. General

Driving and redirecting roller are important elements of bulk materials conveyor system. Adopt roller with proper design may reduce operation faults and maintenance of the entire conveyor system and also prolong the service life.

2. Features

Ningbo Tansuo Machinery Manufacturing Co., Ltd. is specialized in design and manufacture of bulk materials conveyor system as well as components. Since established in 1988, it has accumulated abundant design conception and experience in roller designing. Considering some phenomenon frequently occurs to domestic standard roller, such as, easy to be unglued, fractured, not convenient for installation and maintenance in real operation, as well as bad sealing performance of bearing support, etc., integrated with international advanced technologies, we design and compile this roller brochure for customer's reference. The series of roller bearing support adopt splitting structure, oil seal of outside framework, labyrinth seal of double framework to warrant good sealing performance of bearing support, with two roller flanges for selection: key joint in common plate welding structure and expansion bush joint in butterfly structure.

3. Identification of Model & Type

Identification of driving roller's model & type

TS	××	A	××	××	I
					I: Key joint in common plate welding structure, II: Expansion bush joint in butterfly structure
					Code for diameter of shaft
					Code for diameter of roller
					Code for driving pulley
					Code for width of belt
					Ningbo Tansuo Machinery Manufacturing Co., Ltd.

Requirement of roller shaft: double shaft with “-S” after the figure mark, single shaft without “S”

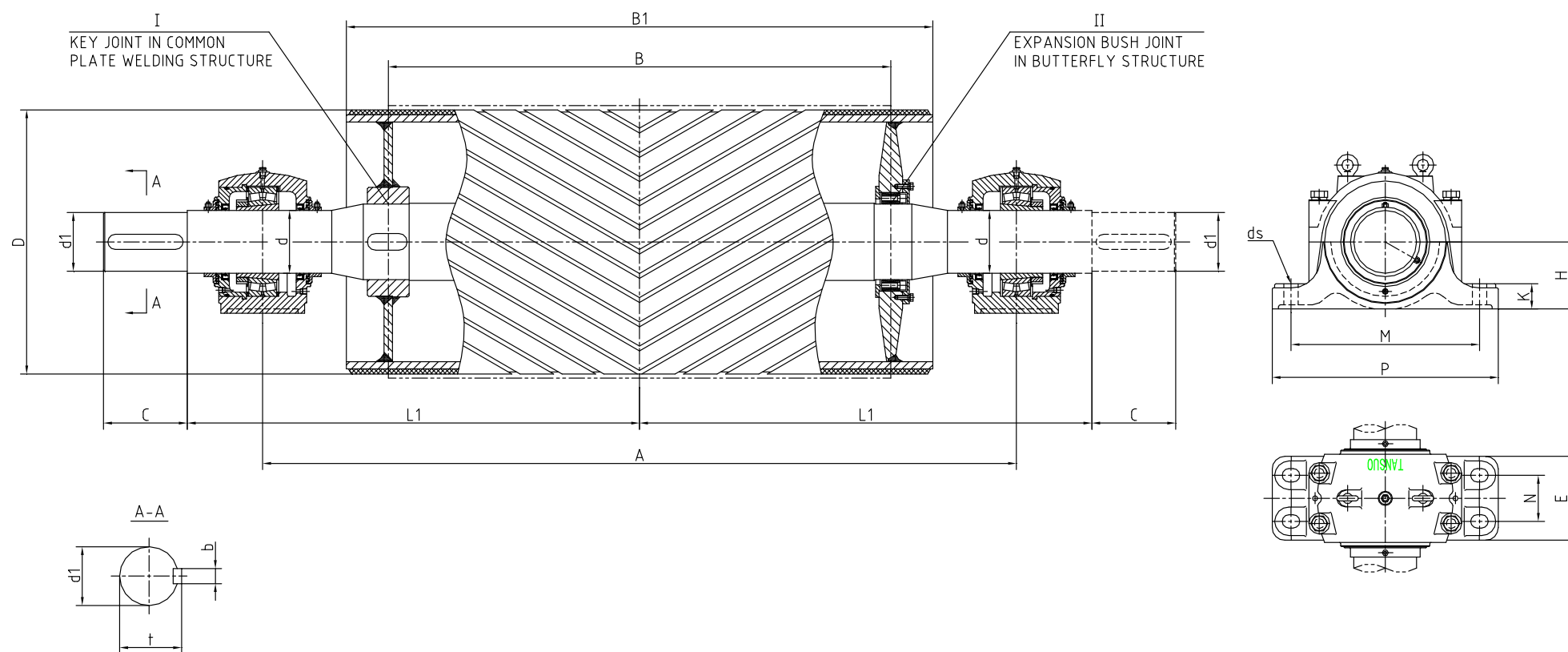
Requirement of roller surface: rubber-casted surface, rightward herringbone with “Y” after the figure mark, leftward herringbone with “Z” after the figure mark, and rhombus with “YZ”.

Identification of redirecting roller's model & type

TS	××	B	××	××	I
					I: Key joint in common plate welding structure II: Expansion bush joint in butterfly structure
					Code for diameter of shaft
					Code for diameter of roller
					Code for bend pulley
					Code for width of belt
					Ningbo Tansuo Machinery Manufacturing Co., Ltd.

3.2.1 Requirement of roller surface: plain surface with “G” after the figure mark, and rubber-casted surface without “G”.

DRIVING PULLEY



Driving Pulley

Notes: F: allowable load

T: allowable torque

GD²: mass of pulley rotor

Belt width	D	d	F KN	T KN. m	GD ² Kg. m ²	A	B ₁	L ₁	M	N	H	d1 m6	C	b	t	ds	P	E	K	Bearing No.	Weight (Kg)		Model				
																					I	II					
500	500	60	16	1.25	22	850	600	530	230	—	80	50	112	16	59	M16	275	80	30	22213k	250	275	TS50A0506				
		80	36	2.2	24			550	290		100	70	140	20	74.5	M20	345	100	35	22218k	264	290	TS50A0508				
		100	50	4	25			565	350		125	90	170	25	95	M24	410	120	45	22222k	270	297	TS50A0510				
650	500	80	36	2.2	31	1000	750	625	290	—	100	70	140	20	74.5	M20	345	100	35	22218k	298	328	TS65A0508				
		100	55	4	31			640	350		125	90	170	25	95	M24	410	120	45	22222k	393	432	TS65A0510				
		125	76	8.2	34	1050		680	420		150	110	210	28	116	M30	500	150	50	22228k	520	572	TS65A0512				
	630	80	38	2.2	74	1000		625	290	—	100	70	140	20	74.5	M20	345	100	35	22218k	347	382	TS65A0608				
		100	56	4	74			640	350		125	90	170	25	95	M24	410	120	45	22222k	451	496	TS65A0610				
		125	80	8.2	77	1050		680	420		150	110	210	28	116	M30	500	150	50	22228k	602	662	TS65A0612				
		140	90	12	80			695	470		170	130	250	32	137		550	160	60	22232k	642	706	TS65A0614				
		800	500	100	40			4	37		1300	950	790	350	—	125	90	170	25	95	M24	410	120	45	22222k	453	498
				125	70	8		39	805				420	150		110	210	28	116	M30	500	150	50	22228k	607	668	TS80A0512
630	100		40	4	94	790	350	—	125	90			170	25	95	M24	410	120	45	22222k	521	573	TS80A0610				
	125		63	8	118	805	420		150	110			210	28	116	M30	500	150	50	22228k	686	755	TS80A0612				
	140		100	12	126	820	470		170	130			250	32	137		550	160	60	22232k	870	957	TS80A0614				
	160		120	16	140	1400	870	450	110	180				150	36	158	M24	530	190	75	23136k	920	1012	TS80A0616			
	800		125	63	8	230	1300	805	420	—			150	110	210	28	116	M30	500	150	50	22228k	1010	1110	TS80A0712		
140			98	12	240	820		470	170				130	250	32	137	550		160	60	22232k	1160	1276	TS80A0714			
160			140	16	270	1400	870	450	110	180			150	250	36	158	M24	530	190	75	23136k	1253	1378	TS80A0716			
180			180	25	275		890	510	130	210			170	300	40	179	M30	610	230	85	23140k	1410	1550	TS80A0718			
1000	160		140	16	420		870	450	110	180			150	250	36	158	M24	530	190	75	23136k	1950	2145	TS80A0816			
	180		180	25	455		890	510	130	210			170	300	40	179	M30	610	230	85	23140k	2060	2266	TS80A0818			
	200	310	37	490	895		540	140	220	190	350	45	200	640	240	90		23144k	2420	2662	TS80A0820						
	220	360	48	520	905		600	150	240	200		45	210	700	260	95		23148k	2630	2893	TS80A0822						
	240	400	65	750	910		650	160	260	220		50	231	M36	770	280	100	23152k	2850	3135	TS80A0824						
	240	420	48	1050	910		670	160	280	240		56	252		790		105	105	23156k	3660	4026	TS80A0924					
1250	260	500	65	1170	910		670	160	280	240	56	252	M36		790	330	115	23164k	3890	4280	TS80A0926						
	300	520	140	1840	935		750	200	320	280	410	63		292	880		330	115	23164k	3890	4280	TS80A0930					

Driving Pulley

Notes: F: allowable load

T: allowable torque

GD²: mass of pulley rotor

Belt width	D	d	F KN	T KN. m	GD ² Kg. m ²	A	B ₁	L ₁	M	N	H	d1 m6	C	b	t	ds	P	E	K	Bearing No.	Weight (Kg)		Model					
																					I	II						
1000	500	125	65	8	115	1500	1150	905	420	—	150	110	210	28	116	M30	500	150	50	22228K	700	770	TS100A0512					
		140	100	12	130			920	470		170	130	250	32	137		550	160	60	22232K	900	990	TS100A0514					
	630	125	65	8	129	1500		905	420	—	150	110	210	28	116		500	150	50	22228K	763	839	TS100A0612					
		140	95	12	149			920	470		170	130	250	32	137		550	160	60	22232K	965	1062	TS100A0614					
		160	130	16	280	1600		970	450	110	180	150		36	158	M24	530	190	75	23136 K	990	1089	TS100A0616					
	800	125	65	8	280	1500		905	420	—	150	110	210	28	116	M30	500	150	50	22228K	907	998	TS100A0712					
		140	95	12	311			920	470	—	170	130	250	32	137		550	160	60	22232K	1117	1229	TS100A0714					
		160	130	16	327	1600		970	450	110	180	150	250	36	158	M24	530	190	75	23136 K	1376	1514	TS100A0716					
		180	190	25	333			990	510	130	210	170	300	40	179	M30	610	230	85	23140 K	1691	1860	TS100A0718					
		200	250	37	370	1650		995	540	140	220	190	350	45	200		640	240	90	23144 K	2193	2412	TS100A0720					
	1000	160	130	16	673	1600		970	450	110	180	150	250	36	158	M24	530	190	75	23136 K	1617	1618	TS100A0816					
		180	180	25	680			990	510	130	210	170	300	40	179	M30	610	230	85	23140 K	1928	2121	TS100A0818					
		200	270	37	861	1650		1020	540	140	220	190	350	45	200		640	240	90	23144 K	2585	2781	TS100A0820					
		220	320	48	930			1030	600	150	240	200		45	210		700	260	95	23148 K	2988	3287	TS100A0822					
		240	400	65	1006			1035	650	160	260	220		50	231		770	280	100	23152 K	3060	3366	TS100A0824					
	1250	260	500	65	1460			1035	670	160	280	240		56	252	790	280	105	23156K	3325	3658	TS100A0926						
		300	680	100	1960			1060	750	200	320	280	410	63	292	M36	880	330	115	23164K	4450	4895	TS100A0930					
		1400	260	510	65			2180	1035	670	160	280	240	350	56		252	790	280	105	23156K	4193	4612	TS100A1026				
	300		800	100	3070			1060	750	200	320	280	410	63	292		880	330	115	23164K	5901	6491	TS100A1030					
	1600	300	780	100	4600			1650	320	980	140	4650	1080	860	230		360	300	470	70	314	M42	1000	370	120	23168K	6440	7084
		320	980	140	4650																							
1200	630	125	56	8	157	1750	1400	1030	420	—	150	110	210	28	116	M30	500	150	50	22228K	907	998	TS120A0612					
		140	90	12	180			1045	470	—	170	130	250	32	137	M30	550	160	60	22232K	1078	1186	TS120A0614					
		160	120	16	210	1850		1095	450	110	180	150		36	158	M24	530	190	75	23136 K	1120	1232	TS120A0616					
		180	180	25	228			1115	510	130	210	170	300	40	179	M30	610	230	85	23140 K	1150	1265	TS120A0618					
	800	140	90	12	379	1750		1045	470	—	170	130	250	32	137		550	160	60	22232K	1250	1375	TS120A0714					
		160	120	16	.398	1850		1095	450	110	180	150		36	158	M24	530	190	75	23136 K	1520	1672	TS120A0716					
		180	180	25	405	1850		1115	510	130	210	170	300	40	179	M30	610	230	85	23140 K	1928	2121	TS120A0718					

Driving Pulley

Notes: F: allowable load

T: allowable torque

GD²: mass of pulley rotor

Belt width	D	d	F KN	T KN. m	GD ² Kg. m ²	A	B ₁	L ₁	M	N	H	d1 m6	C	b	t	ds	P	E	K	Bearing No.	Weight (Kg)		Model	
																					I	II		
1200	800	200	275	37	470	1900	1400	1145	540	140	220	190	350	45	200	M30	640	240	90	23144 K	2390	2629	TS120A0720	
		220	300	48	510			1155	600	150	240	200		45	210		700	260	95	23148 K	2420	2662	TS120A0722	
	1000	160	120	16	819	1850		1095	450	110	180	150	250	36	158	M24	530	190	75	23136 K	1728	1901	TS120A0816	
		180	180	25	828			1115	510	130	210	170	300	40	179	M30	610	230	85	23140 K	2173	2390	TS120A0818	
		200	270	37	1048	1900		1145	540	140	220	190	350	45	200		640	240	90	23144 K	2813	3094	TS120A0820	
		220	300	48	1132			1155	600	150	240	200		45	210		700	260	95	23148 K	3234	3557	TS120A0822	
	240	420	65	1164	1160			650	160	260	220	50		231	M36		770	280	100	23152 K	3672	4039	TS120A0824	
	260	500	60	1800	1160			670	160	280	240	56		252		790	105		23156 K	4146	4561	TS120A0926		
	1250	300	750	100	1920			1185	750	200	320	280	410	63	292	M36	880	330	115	23164 K	4210	4631	TS120A0930	
		320	750	140	2500			1205	860	230	360	300	470	70	314		M42	1000	370	120	23168 K	6168	6785	TS120A0932
		260	500	60	3250			1160	670	160	280	240	350	56	252		M36	790	280	105	23156 K	6270	6897	TS120A1026
	300	750	100	3340	1185			750	200	320	280	410	63	292	880	330		115	23164 K	6423	7065	TS120A1030		
	320	900	140	3400	1205			860	230	360	300	470	70	314	M42	1000		370	120	23168 K	6535	7189	TS120A1032	
	1400	260	500	60	3250			1900	1160	670	160	280	240	350	56	252	M36	790	280	105	23156 K	6270	6897	TS120A1026
		300	750	100	3340				1185	750	200	320	280	410	63	292		880	330	115	23164 K	6423	7065	TS120A1030
		320	900	140	3400	1205			860	230	360	300	470	70	314	M42		1000	370	120	23168 K	6535	7189	TS120A1032
	1600	300	760	100	5250	1185			750	200	320	280	410	63	292	M36	880	330	115	23164 K	7195	7915	TS120A1130	
		320	1100	140	5450	1205			860	230	360	300	470	70	314	M42	1000	370	120	23168 K	7464	8210	TS120A1132	
1400	630	140	78	12	390	2050	1600	1195	470	—	170	130	250	32	137	M30	550	160	60	22232 K	1174	1291	TS140A0614	
		160	120	16	405			1195	450	110	180	150		36	158	M24	530	190	75	23136 K	1230	1353	TS140A0616	
		180	170	25	420			1215	510	130	210	170	300	40	179	M30	610	230	85	23140 K	1510	1661	TS140A0618	
		200	240	37	450			2100	1245	540	140	220	190	350	45		200	640	240	90	23144 K	1700	1870	TS140A0620
	800	140	78	12	432	2050		1195	470	—	170	130	250	32	137	M30	550	160	60	22232 K	1374	1511	TS140A0714	
		160	120	16	455			1195	450	110	180	150		36	158		M24	530	190	75	23136 K	1530	1683	TS140A0716
		180	170	25	462			1215	510	130	210	170	300	40	179	M30	610	230	85	23140 K	2004	2005	TS140A0718	
		200	240	37	540			1245	540	140	220	190	350	45	200	640	240	90	23144 K	2553	2808	TS140A0720		
		220	280	48	552	1255		600	150	240	200	45		210	M30	700	260	95	23148 K	2690	2959	TS140A0722		
		240	350	65	580	1260		650	160	260	220	50		231		M36	770	280	100	23152 K	2900	3190	TS140A0724	
	1000	160	120	18	936	2050		1195	450	110	180	150	250	36	158	M24	530	190	75	23136 K	1919	2111	TS140A0816	
		180	170	25	946			1215	510	130	210	170	300	40	179	M30	610	230	85	23140 K	2287	2516	TS140A0818	
		200	240	37	1198			2100	1245	540	140	220	190	350	45		200	640	240	90	23144 K	2994	329	TS140A0820

Driving Pulley

Notes: F: allowable load

T: allowable torque

GD²: mass of pulley rotor

Belt width	D	d	F KN	T KN. m	GD ² Kg. m ²	A	B ₁	L ₁	M	N	H	d1 m6	C	b	t	ds	P	E	K	Bearing No.	Weight (Kg)		Model
																					I	II	
1400	1000	220	280	48	1200	2100	1600	1255	600	150	240	200	350	45	210	M30	700	260	95	23148 K	3456	3802	TS140A0822
		240	360	60	1295			1260	650	160	260	220		50	231	M36	770	280	100	23152 K	3904	4294	TS140A0824
		260	520	100	1300			1260	670	160	280	240	410	56	252		790	280	105	23156K	4150	4565	TS140A0826
	1250	280	660	60	2250			1275	710	190	300	260	350	56	272		830	310	110	23160K	5080	5588	TS140A0928
		300	740	100	2260			1285	750	200	320	280	410	63	292		880	330	115	23164K	5175	5693	TS140A0930
		320	840	140	2780			1305	860	230	360	300	470	70	314	M42	1000	370	120	23168K	6331	6964	TS140A0932
	1400	280	660	60	3610			1275	710	190	300	260	350	56	272	M36	830	310	110	23160K	6950	7645	TS140A1028
		300	740	100	3680			1285	750	200	320	280	410	63	292		880	330	115	23164K	7083	7791	TS140A1030
		320	980	140	3720			1305	860	230	360	300	470	70	314	M42	1000	370	120	23168K	7414	8155	TS140A1032
	1600	320	980	140	5650							300			314						7709	8480	TS140A1132
		340	1260	160	5850							320			334						8023	8825	TS140A1134
1600	800	140	75	12	487	2250	1800	1295	470	—	170	130	250	32	137	M30	550	160	60	22232K	1546	1701	TS160A0814
		160	110	16	514			1295	450	110	180	150	250	36	158	M24	530	190	75	23136K	1729	1902	TS160A0816
		180	170	25	523			1315	510	130	210	170	300	40	179	M30	610	230	85	23140K	2265	2492	TS160A0818
		200	270	37	610			1320	540	140	220	190	350	45	200		640	240	90	23144K	2885	3174	TS160A0820
		220	380	48	624			1330	600	150	240	200		45	210	M36	700	260	95	23148K	3040	3344	TS160A0822
		240	400	65	640			1335	650	160	260	220		50	231		770	280	100	23152K	4412	4853	TS160A0824
	1000	180	170	25	1069			1315	510	130	210	170	300	40	179	M30	610	230	85	23140K	2584	2842	TS160A0918
		200	270	37	1354			1320	540	140	220	190	350	45	200		640	240	90	23144K	3383	3721	TS160A0920
		220	380	48	1356			1330	600	150	240	200		45	210	M36	700	260	95	23148K	3905	4296	TS160A0922
		240	470	65	1463			1335	650	160	260	200	350	50	231		770	280	100	23152K	4412	4853	TS160A0924
		280	620	60	1469			1350	710	190	300	260		56	272	M36	830	310	110	23160K	5610	6171	TS160A0928
		280	660	60	2820			1360	750	200	320	280	410	63	292		880	330	115	23164K	6503	7153	TS160A1030
		320	920	140	2950			1380	860	230	360	300	470	70	314	M42	1000	370	120	23168K	6710	7381	TS160A1032
	1250	280	660	60	4100			1350	710	190	300	260	350	56	272	M36	830	310	110	23160K	7939	8733	TS160A1128
		300	740	100	4170			1360	750	200	320	280	410	63	292		880	330	115	23164K	8038	8842	TS160A1130
		320	1180	140	4230			1380	860	230	360	300	470	70	314	M42	1000	370	120	23168K	8210	9031	TS160A1132

Driving Pulley

Notes: F: allowable load

T: allowable torque

GD²: mass of pulley rotor

Belt width	D	d	F KN	T KN. m	GD ² Kg. m ²	A	B ₁	L ₁	M	N	H	d1 m6	C	b	t	ds	P	E	K	Bearing No.	Weight (Kg)		Model			
																					I	II				
1600	1600	320	1150	140	6280	2250	1800	1380	860	230	360	300	470	70	314	M42	1000	370	120	23168K	8619	9481	TS160A1232			
		340	1400	160	6350							320			334						8728	9601	TS160A1234			
1800	800	160	110	16	576	2400	2000	1370	450	110	180	150	250	36	158	M24	530	190	75	23136K	1936	2130	TS180A0816			
		180	170	25	588			1390	510	130	210	170	300	40	179	M30	610	230	82	23140K	2537	2791	TS180A0818			
		200	270	37	684			1395	540	140	220	190	350	45	200	M30	640	240	90	23144K	3231	3554	TS180A0820			
		220	390	48	699			1405	600	150	240	200		45	51		700	260	95	23148K	3405	3746	TS180A0822			
		240	420	65	730			1410	650	160	260	220		50	210	M36	770	280	100	23152K	3560	3916	TS180A0824			
		180	170	25	1197			1390	510	130	210	170	300	40	231	M30	610	230	82	23140K	2894	3183	TS180A0918			
	200	260	37	1516	1395			540	140	220	190	350	45	200	M30	640	240	90	23144K	3789	4168	TS180A0920				
	220	300	48	1519	1405			600	150	240	200		45	210		700	260	95	23148K	4393	4832	TS180A0922				
	240	470	65	1639	1410			650	160	260	220		50	231	M36	770	280	100	23152K	4964	5460	TS180A0924				
	280	650	60	1645	1425			710	190	300	260	410	56	272		830	310	110	23160K	6311	6942	TS180A0928				
	620	60	2900	1435	750			200	370	280	410		63	292		880	330	115	23164K	6960	7656	TS180A1030				
	300	740	100	2960	1455			860	230	360	300	470	70	314	M42	1000	370	120	23168K	6975	7673	TS180A1032				
	320	1020	140	3060	1435			750	200	370	280	410	63	292	M36	880	330	115	23164K	7927	8720	TS180A1130				
	300	750	100	4100	1455			860	230	360	300	470	70	314	M42	1000	370	120	23168K	8289	9118	TS180A1132				
	320	1280	140	4300	1455			860	230	360	300									9381	10319	TS180A1232				
	1200		6850	1455	860			230	360	300	9454									10399	TS180A1234					
	1600	340	1500	160	6900			1455	860	230	360	320			334						23172K	9454	10399	TS180A1234		
	2000	800	160	100	16			630	2650	2200	1495	450	110	180	150	250	36	158	M24	530	190	75	23136K	2110	2321	TS200A0816
			180	160	25			641			1515	510	130	210	170	300	40	179	M30	610	230	85	23140K	2765	3042	TS200A0818
			200	250	37			746			1520	540	140	220	190	350	45	200		640	240	90	23144K	3522	3874	TS200A0820
220			340	48	762	1530	600	150			240	200	45	210	700		260	95		23148K	3711	4082	TS200A0822			
240			400	65	790	1535	650	160			260	220	50	231	M36		770	280	100	23152K	4130	4543	TS200A0824			
1000		180	170	25	1305	1515	510	130			210	170	300	40	179	M30	610	230	85	23140K	3154	3469	TS200A0918			
		200	250	37	1380	1520	540	140			220	190	350	45	200		640	240	90	23144K	3522	3874	TS200A0920			
		220	280	48	1656	1530	600	150			240	200		45	210		700	260	95	23148K	4788	5267	TS200A0922			
		240	380	65	1787	1535	650	160			260	200		50	231	M36	770	280	100	23152K	5410	5951	TS200A0924			

Driving Pulley

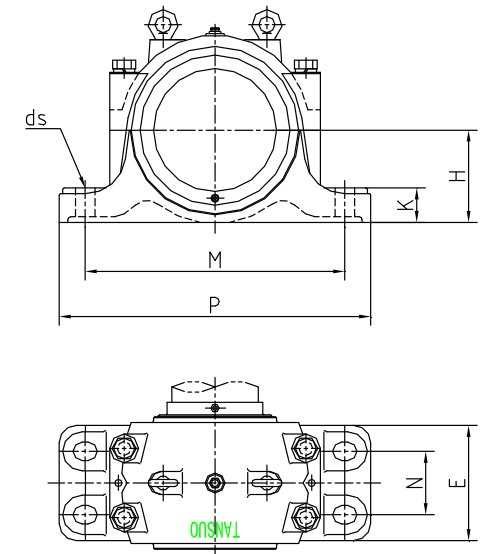
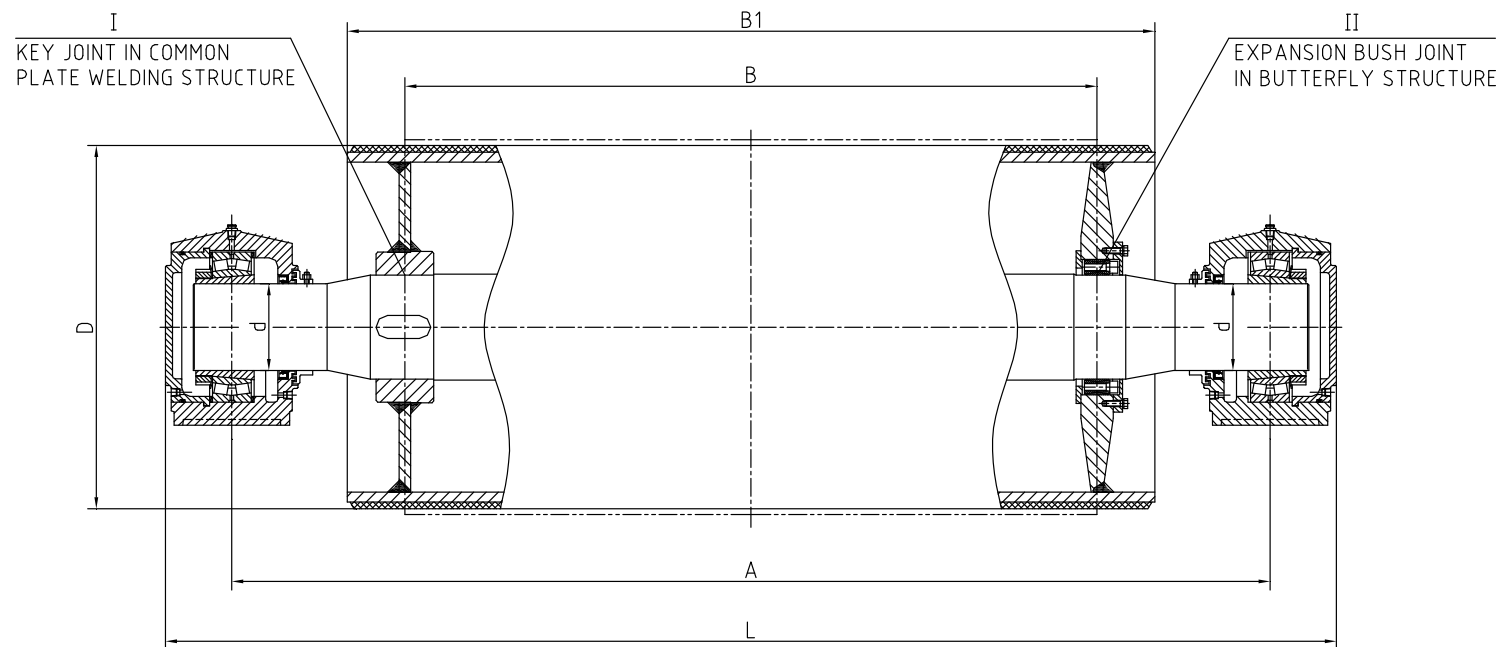
Notes: F: allowable load

T: allowable torque

GD²: mass of pulley rotor

Belt width	D	d	F KN	T KN. m	GD ² Kg. m ²	A	B ₁	L ₁	M	N	H	d1 m6	C	b	t	ds	P	E	K	Bearing No.	Weight (Kg)		Model
																					I	II	
2000	1000	280	640	60	1792	2650	2200	1550	710	190	300	260	350	56	272	M36	830	310	110	23160K	7090	7799	TS200A0928
		300	750	100	1830			1560	750	200	320	280	410	63	292		880	330	115	23164K	7240	7964	TS200A0930
	750		100	3650	1580				860	230	360	300	470	70	314	M42	1000	370	120	23168K	8375	9213	TS200A1032
	320	1180	140	3690				1560	750	200	320	280	410	63	292	M36	880	330	115	23164K	9037	9941	TS200A1130
	1400	300	750	100	4700								300	470	70	314	M42	1000	370	120	23168K	9190	10109
		1250	4750	10260	11286			TS200A1232															
	1600	320	1200	140	7400			1580	860	230	360	300	470	70	314	M42	1000	370	120	23168K	10653	11718	TS200A1234
		340	1600	160	7750																		
	2200	800	160	110	16			670	2850	2400	1595	450	110	180	150	250	36	150	M24	530	190	75	23136K
180			170	25	689	1615	510	130			210	170	300	40	179	M30	610	230	85	23140K	2974	3271	TS220A0818
200			270	37	802	1620	540	140			220	190	350	45	200		640	240	90	23144K	3788	4167	TS220A0820
220			300	48	820	1630	600	150			240	200		45	210	700	260	95	23148K	3990	4389	TS220A0822	
240			400	65	860	1635	650	160			260	220	50	231	M36	770	280	100	23152K	4410	4851	TS220A0824	
1000		180	170	25	1404	1615	510	130			210	170	300	40	179	M30	610	230	85	23140K	3392	3731	TS220A0918
		200	260	37	1770	1620	540	140			220	190	350	45	200		640	240	90	23144K	4442	4886	TS220A0920
		220	300	48	1780	1630	600	150			240	200		45	210	700	260	95	23148K	5149	5664	TS220A0922	
		240	400	64	1922	1635	650	160			260	220	50	311	M36	770	280	100	23152K	5818	6400	TS220A0924	
		300	650	100	1928	1660	750	200			320	280	410	63	292	M36	880	330	115	23164K	7625	8388	TS220A0930
		320	750	140	2120	1680	860	230			360	300	470	70	314	M42	1000	370	120	23168K	7960	8756	TS220A0932
		1250	300	650	100	3925	1660	750			200	320	280	410	63	292	M36	880	330	115	23164K	8995	9895
320			1200	140	3968	1680	860	230			360	300	470	70	314	M42	1000	370	120	23168K	9007	9908	TS220A1032
1400		300	750	100	5054	1660	750	200			320	280	410	63	292	M36	880	330	115	23164K	9719	10691	TS220A1130
		320	1250		5100	1680	860	230			360	300		70	314	M42	1000	370	120	23168K	9885	10874	TS220A1132
1200			7958		11034																12137	TS220A1232	
1600		340	1600	160	8335									320		334					23172K	11457	12603

BEND PULLEY



Bend Pulley

Notes: F: allowable load

GD²: mass of pulley rotor

Belt width	D	d	[F] KN	GD ² Kg. m ²	A	B ₁	L	M	N	H	d _s	P	E	K	Bearing No.	Weight (Kg)		Model				
																I	II					
500	315	50	8	5	850	600	945	210	—	70	M16	255	70	28	22211k	118	130	TS50B0350				
	8		12	137												151	TS50B0450					
	400	60	17	12			960	230		80	M16	275	80	30	22213k	168	185	TS50B0460				
	17		20	187												206	TS50B0560					
	500	80	30	20			995	290		100	M20	345	100	35	22218k	245	270	TS50B0580				
650	315	50	8	6	1000	750	1095	210	—	70	M16	255	70	28	22211k	134	147	TS65B0350				
		60	16	7			1110	230		80		275	80	30	22213k	169	186	TS65B0360				
	16		12	190												209	TS65B0460					
	400	80	30	13			1145	290		100	M20	345	100	35	22218k	252	277	TS65B0480				
		100	42	14			1175	350		125	M24	410	120	45	22222k	332	365	TS65B0410				
	500	60	15	24			1110	230		80	M16	275	80	30	22213k	180	198	TS65B0560				
		80	30	26			1145	290		100	M20	345	100	35	22218k	278	306	TS65B0580				
		100	50	26			1175	350		125	M24	410	120	45	22222k	368	405	TS65B0510				
			50	60												510	561	TS65B0610				
	630	125	70	68			1050	1255		420	—	150	M30	500	150	50	22228k	560	616	TS65B0612		
	800	500	100	35			39	1300		950	1475	350	—	125	M24	410	120	45	22222k	437	481	TS80B0510
			125	60			39				1505	420		150	M30	500	150	50	22228k	582	640	TS80B0512
			140	100			40				1535	470		170		550	160	60	22232k	671	738	TS80B0514
630		100	35	94	1475	350	125		M24		410	120		45	22222k	560	616	TS80B0610				
		125	65	118	1505	420	150		M30		500	150		50	22228k	661	727	TS80B0612				
		140	100	126	1535	470	170				550	160		60	22232k	841	925	TS80B0614				
		160	125	132	1400	1675	450		110		180	M24		530	190	75	23136k	1108	1218	TS80B0616		
800		125	70	232	1300	1505	420		—		150	M30	500	150	50	22228k	790	869	TS80B0712			
		140	100	257		1535	470				170		550	160	60	22232k	976	1074	TS80B0714			
		160	140	270	1400	1675	450		110		180	M24	530	190	75	23136k	1243	1367	TS80B0716			
		180	220	275		1710	510		130		210	M30	610	230	85	23140k	1533	1686	TS80B0718			

Bend Pulley

Notes: F: allowable load

GD²: mass of pulley rotor

Belt width	D	d	[F] KN	GD ² Kg. m ²	A	B ₁	L	M	N	H	d _s	P	E	K	Bearing No.	Weight (Kg)		Model	
																I	II		
800	1000	140	100	510	1300	950	1535	470	—	170	M30	550	160	60	22232k	1293	1422	TS80B0814	
		160	140	556	1400		1675	450	110	180	M24	530	190	75	23136k	1487	1636	TS80B0816	
		180	220	561			1710	510	130	210	M30	610	230	85	23140k	1755	1931	TS80B0818	
		200	320	569				1720	540	140		220	640	240	90	23144k	1934	2127	TS80B0820
		240	450	578			1760		650	160	260	M36	770	280	100	23152k	2103	2313	TS80B0824
	1250	160	140	897			1675	450	110	180	M24	530	190	75	23136k	1520	1672	TS80B0916	
		180	220	956			1710	510	130	210	M30	610	230	85	23140k	1660	1826	TS80B0918	
		200	320	1145				1720	540	140		220	640	240	90	23144k	1713	1884	TS80B0920
		240	460	1170			1760		650	160	260	M36	770	280	100	23152k	1850	2035	TS80B0924
		260	600	1192				670	160	280	790		280	105	23156k	1972	2169	TS80B0926	
1000	500	100	32	53	1500	1150	1675	350	—	125	M24	410	120	45	22222k	500	550	TS100B0510	
		125	50	55			1705	420		150	M30	500	150	50	22228k	652	717	TS100B0512	
		140	68	69			1735	470		170		550	160	60	22232k	831	914	TS100B0514	
		160	130	73			1600	1875	450	110	180	M24	530	190	75	23136k	920	1012	TS100B0516
	630	100	35	106	1500		1675	350	—	125	M24	410	120	45	22222k	567	624	TS100B0610	
		125	60	129			1705	420		150	M30	500	150	50	22228k	743	817	TS100B0612	
		140	90	149			1735	470		170		550	160	60	22232k	930	1023	TS100B0614	
		160	130	154	1600		1875	450	110	180	M24	530	190	75	23136k	1214	1335	TS100B0616	
		180	220	156			1910	510	130	210	M30	610	230	85	23140k	1240	1364	TS100B0618	
		800	125	60	280		1500	1705	420	—		150	M30	500	150	50	22228k	885	974
	140		100	311	1735			470	170			550		160	60	22232k	1106	1217	TS100B0714
	160		140	327	1600			1875	450		110	180		M24	530	190	75	23136k	1365
	180		200	333			1910	510	130	210	M30	610	230	85	23140k	1359	1495	TS100B0718	
	200		270	343			1650	1970	540	140		220	640	240	90	23144k	2020	2222	TS100B0720
	1000		140	100	627		1500	1735	470	—		170	M30	550	160	60	22232k	1311	1442
		160	140	673	1600		1875	450	110	180	M24	530		190	75	23136k	1607	1768	TS100B0816

Bend Pulley

Notes: F: allowable load

GD²: mass of pulley rotor

Belt width	D	d	[F] KN	GD ² Kg. m ²	A	B ₁	L	M	N	H	d _s	P	E	K	Bearing No.	Weight (Kg)		Model		
																I	II			
1000	1000	180	200	680	1600	1150	1910	510	130	210	M30	610	230	85	23140k	1886	2075	TS100B0818		
		200	260	861	1650		1970	540	140	220		640	240	90	23144k	2510	2761	TS100B0820		
		220	340	870			1980	600	150	240		700	260	95	23148k	2686	2955	TS100B0822		
		240	450	886			2010	650	160	260	M36	770	280	100	23152k	2740	3014	TS100B0824		
	1250	180	200	1000	1600		1910	510	130	210	M30	610	230	85	23140k	2100	2310	TS100B0918		
		200	280	1095	1970		540	140	220	640		240	90	23144k	2382	2620	TS100B0920			
		220	340	1169	1980		600	150	240	700		260	95	23148k	2852	3137	TS100B0922			
		260	520	1540	2010		650	160	260	M36	770	280	100	23156k	4258	4684	TS100B0926			
		300	800	1650	2080		750	200	320		880	330	115	23164k	4280	4708	TS100B0930			
	1400	260	520	1710	1650		2010	650	160	260	M36	770	280	100	23156k	4420	4862	TS100B1026		
		300	820	1339			2080	750	200	320		880	330	115	23164k	4700	5170	TS100B1030		
	1600	260	520	4100			2010	650	160	260	M36	770	280	100	23156k	4900	5390	TS100B1126		
		300	820	4250			2080	750	200	320		880	330	115	23164k	5420	5962	TS100B1130		
		320	1250	4290			2120	860	230	360	M42	1000	370	120	23168k	6800	7480	TS120B1132		
	1200	500	100	30			65	1750	1400	1925	350	—	125	M24	410	120	45	22222k	572	629
			125	50	65		1750	1955		420	—	150	M30	500	150	50	22228k	731	804	TS120B0512
140			80	84	1985	470		170		550		160		60	22232k	925	1018	TS120B0514		
160			140	89	1850	2120	450	110		180	M24	530	190	75	23136k	1120	1232	TS120B0516		
630		100	30	129	1750	1925	350	—		125	M24	410	120	45	22222k	659	725	TS120B0610		
		125	75	157	1750	1955	420	—		150	M30	500	150	50	22228k	834	917	TS120B0612		
		140	100	181		1985	470			170		550	160	60	22232k	1043	1147	TS120B0614		
		160	150	187	1850	2120	450	110		180	M24	530	190	75	23136k	1334	1467	TS120B0616		
800		125	60	341	1750	1955	420	—		150	M30	500	150	50	22228k	996	1096	TS120B0712		
		140	100	379	1750	1985	470	—		170		550	160	60	22232k	1215	1337	TS120B0714		
		160	150	390	1850	2120	450	110		180	M24	530	190	75	23136k	1507	1658	TS120B0716		
		180	200	405		2160	510	130		210	M30	610	230	85	23140k	1824	2006	TS120B0718		
		200	260	473	1900	2220	540	140		220		640	240	90	23144k	2309	2540	TS120B0720		
		220	320	490		2230	600	150		240		700	260	95	23148k	2456	2702	TS120B0722		

Bend Pulley

Notes: F: allowable load

GD²: mass of pulley rotor

Belt width	D	d	[F] KN	GD ² Kg. m ²	A	B ₁	L	M	N	H	d _s	P	E	K	Bearing No.	Weight (Kg)		Model		
																I	II			
1200	1000	140	135	763	1750	1400	1985	470	—	170	M30	550	160	60	22232k	1463	1609	TS120B0814		
		160	180	810	1850		2120	450	110	180	M24	530	190	75	23136k	1770	1947	TS120B0816		
		180	240	828	1900		2160	510	130	210	M30	610	230	85	23140k	2086	2295	TS120B0818		
		200	280	1048			2220	540	140	220		640	240	90	23144k	2711	2982	TS120B0820		
		220	320	1132			2230	600	150	240		700	260	95	23148k	3068	3375	TS120B0822		
		240	400	1164			2260	650	160	260	M36	770	280	100	23152k	3510	3861	TS120B0824		
		260	520	1200				670	160	280		790	280	105	23156k	3620	3982	TS120B0826		
		1250	200	260			1289	2220	540	140	220	M30	640	240	90	23144k	2696	2966	TS120B0920	
	220		320	1355			2230	600	150	240	700		260	95	23148k	3065	3372	TS120B0922		
	240		400	1430			2260	650	160	260	M36	770	280	100	23152k	3400	3740	TS120B0924		
	260		520	1600	670			160	280	790		280	105	23156k	4832	5315	TS120B0926			
	300		780	1680	2330		750	200	320	880	330	115	23164k	5071	5578	TS120B0930				
	1400		220	320	2280		2230	600	150	240	M30	700	260	95	23148k	3545	3900	TS120B1022		
		240	400	2350	2260		650	160	260	M36	770	280	100	23152k	3680	4048	TS120B1024			
		260	520	1397			670	160	280		790	280	105	23156k	5152	5667	TS120B1026			
		300	800	3020	2330		750	200	320	880	330	115	23164k	6155	6771	TS120B1030				
	1600	260	520	4312	2260		670	160	280	M36	790	280	105	23156k	6300	6930	TS120B1126			
		300	800	4900	2330		750	200	320		880	330	115	23164k	6670	7337	TS120B1130			
		320	1300	5164	2370		860	230	360	M42	1000	370	120	23168k	6844	7528	TS120B1132			
		1400	500	100	24		74	1950	1600	2125	350	—	125	M24	410	120	45	22222k	629	692
	125			42	63		1950	2155		420	—	150	M30	500	150	50	22228k	809	890	TS140B0512
	140			70	96		2050			2285		470		170	550	160	60	22232k	1009	1110
	160			120	110					2320	450	110	180	M24	530	190	75	23136k	1430	1573
	630		125	50	179		1950	2155		420	—	150	M30	500	150	50	22228k	922	1014	TS140B0612
140			80	207	2050		2285	470		170		550		160	60	22232k	1138	1252	TS140B0614	
160			120	214			2320	450		110	180	M24	530	190	75	23136k	1439	1583	TS140B0616	
180			170	230			2360	510		130	210	M30	610	230	85	23140k	1800	1980	TS140B0618	

Bend Pulley

Notes: F: allowable load

GD²: mass of pulley rotor

Belt width	D	d	[F] KN	GD ² Kg. m ²	A	B ₁	L	M	N	H	d _s	P	E	K	Bearing No.	Weight (Kg)		Model
																I	II	
1400	800	125	50	390	1950	1600	2155	420	—	150	M30	500	150	50	22228k	1099	1209	TS140B0712
		140	80	433	2285		470	170		M30	550	160	60	22232k	1326	1459	TS140B0714	
		160	125	455	2050		2320	450	110	180	M24	530	190	75	23136k	1628	1791	TS140B0716
		180	180	460			2360	510	130	210	M30	610	230	85	23140k	1970	2167	TS140B0718
		200	250	540			2420	540	140	220		640	240	90	23144k	2403	2643	TS140B0720
		220	300	550	2100		2430	600	150	240		700	260	95	23148k	2690	2959	TS140B0722
		240	380	560			2460	650	160	260	M36	770	280	100	23152k	2975	3273	TS140B0724
		140	90	870			2050	2285	470	—	170	M30	550	160	60	22232k	1592	1751
	160	140	936	2320	450			110	180	M24	530	190	75	23136k	1910	2101	TS140B0816	
	180	180	946	2360	510			130	210	M30	610	230	85	23140k	2253	2478	TS140B0818	
	200	250	1198	2420	540		140	220	640		240	90	23144k	2820	3102	TS140B0820		
	220	300	1200	2430	600		150	240	700		260	95	23148k	3338	3672	TS140B0822		
	240	380	1295	2100	2460		650	160	260	M36	770	280	100	23152k	3748	4123	TS140B0824	
	260	430	1520		2460		670	160	280		790	280	105	23156k	4230	4653	TS140B0826	
	300	720	1570		2530		750	200	320		880	330	115	23164k	4680	5148	TS140B0830	
	200	260	1795		2420		540	140	220	M30	640	240	90	23144k	3950	4345	TS140B0920	
	220	300	1800		2430		600	150	240		700	260	95	23148k	4060	4466	TS140B0922	
	240	360	1815		2460		650	160	260	M36	770	280	100	23152k	4100	4510	TS140B0924	
	260	430	2018		2460		670	160	280		790	280	105	23156k	4925	5418	TS140B0926	
	300	720	2216		2530		750	200	320		880	330	115	23164k	6218	6840	TS140B0930	
	320	1100	2340		2570		860	230	360	M42	1000	370	120	23168k	7350	8085	TS140B0932	
	260	430	2034		2460		670	160	280	M36	790	280	105	23156k	5348	5883	TS140B1026	
	300	720	3532		2530		750	200	320		880	330	115	23164k	6634	7297	TS140B1030	
	320	1250	3780		2570		860	230	360	M42	1000	370	120	23168k	6920	7612	TS140B1032	
	260	650	4820		2460		670	160	280	M36	790	280	105	23156k	6800	7480	TS140B1126	
	300	900	5132		2530		750	200	320		880	330	115	23164k	7423	8165	TS140B1130	
	320	1300	5790		2570		860	230	360	M42	1000	370	120	23168k	7650	8415	TS140B1132	

Bend Pulley

Notes: F: allowable load

GD²: mass of pulley rotor

Belt width	D	d	[F] KN	GD ² Kg. m ²	A	B ₁	L	M	N	H	d _s	P	E	K	Bearing No.	Weight (Kg)		Model
																I	II	
1600	500	125	45	74	2250	1800	2455	420	—	150	M30	500	150	50	22228k	835	919	TS160B0512
		140	75	96			2485	470	—	170		550	160	60	22232k	1057	1163	TS160B0514
		160	120	110			2520	450	110	180	M24	530	190	75	23136k	1475	1623	TS160B0516
	630	125	45	200			2455	420	—	150	M30	500	150	50	22228k	1037	1141	TS160B0612
		140	75	233			2485	470		170		550	160	60	22232k	1280	1408	TS160B0614
		160	120	240			2520	450	110	180	M24	530	190	75	23136k	1619	1781	TS160B0616
		180	170	250			2560	510	130	210	M30	610	230	85	23140k	1920	2112	TS160B0618
	800	125	45	440			2455	420	—	150	M30	500	150	50	22228k	1235	1359	TS160B0712
		140	75	486			2485	470		170	M30	550	160	60	22232k	1492	1641	TS160B0714
		160	120	510			2520	450	110	180	M24	530	190	75	23136k	1832	2015	TS160B0716
		180	170	520			2560	510	130	210	M30	610	230	85	23140k	2215	2437	TS160B0718
		200	250	598			2570	540	140	220		640	240	90	23144k	2470	2717	TS160B0720
		220	320	618			2580	600	150	240		700	260	95	23148k	3039	3343	TS160B0722
		240	400	625			2610	650	160	260	M36	770	280	100	23152k	3287	3616	TS160B0724
		260	520	680				670	160	280		790	280	105	23156k	3375	3713	TS160B0726
	1000	140	75	980			2485	470	—	170	M30	550	160	60	22232k	1791	1970	TS160B0814
		160	120	1053			2520	450	110	180	M24	530	190	75	23136k	2148	2363	TS160B0816
		180	170	1064			2560	510	130	210	M30	610	230	85	23140k	2534	2787	TS160B0818
		200	250	1347			2570	540	140	220		640	240	90	23144k	3172	3489	TS160B0820
		220	320	1350			2580	600	150	240		700	260	95	23148k	3749	4124	TS160B0822
		240	400	1361			2610	650	160	260	M36	770	280	100	23152k	3970	4367	TS160B0824
		260	520	1372				670	160	280		790	280	105	23156k	4870	5357	TS160B0826
		300	720	1385			2680	750	200	320		880	330	115	23164k	5995	6595	TS160B0830
	1250	200	270	2020			2570	540	140	220	M30	640	240	90	23144k	4440	4884	TS160B0920
		220	320	2230			2580	600	150	240		700	260	95	23148k	5070	5577	TS160B0922
		240	400	2280			2610	650	160	260	M36	770	280	100	23152k	5210	5731	TS160B0924
		260	520	2300				670	160	280		790	280	105	23156k	5390	5929	TS160B0926
		300	730	2600			2680	750	200	320		880	330	115	23164k	6670	7337	TS160B0930

Bend Pulley

Notes: F: allowable load

GD²: mass of pulley rotor

Belt width	D	d	[F] KN	GD ² Kg. m ²	A	B ₁	L	M	N	H	d _s	P	E	K	Bearing No.	Weight (Kg)		Model
																I	II	
1600	1250	320	1300	2645	2250	1800	2720	860	230	360	M42	1000	370	120	23168k	8310	9141	TS160B0932
	1400	260	520	3180			2610	670	160	280	M36	790	280	105	23156k	6084	6692	TS160B1026
		300	430	3615			2680	750	200	320		880	330	115	23164k	6830	7513	TS160B1030
		320	1400	4700			2720	860	230	360	M42	1000	370	120	23168k	9100	10010	TS160B1032
	1600	300	730	5770			2680	750	200	320	M36	880	330	115	23164k	8350	9185	TS160B1130
		320	1250	6625			2720	860	230	360	M42	1000	370	120	23168k	8690	9559	TS160B1132
		340	1600	6950											23172k	9345	10280	TS160B1134
1800	500	100	30	82	2400	2000	2575	350	—	125	M24	410	120	45	22222k	726	799	TS180B0510
		125	45	83			2605	420		150	M30	500	150	50	22228k	928	1021	TS180B0512
		140	75	106			2635	470		170	M30	550	160	60	22232k	1174	1291	TS180B0514
		160	120	129			2670	450	110	180	M24	530	190	75	23136k	1704	1874	TS180B0516
	630	125	45	223			2605	420	—	150	M30	500	150	50	22228k	1152	1267	TS180B0612
		140	75	258			2635	470		170	M30	550	160	60	22232k	1422	1564	TS180B0614
		160	120	267			2670	450	110	180	M24	530	190	75	23136k	1798	1978	TS180B0616
		180	170	278			2710	510	130	210	M30	610	230	85	23140k	2218	2440	TS180B0618
		200	270	290			2720	540	140	220		640	240	90	23144k	2730	3003	TS180B0620
	800	125	45	487			2605	420	—	150	M30	500	150	50	22228k	1373	1510	TS180B0712
		140	75	541			2635	470		170		550	160	60	22232k	1658	1824	TS180B0714
		180	170	578			2710	450	110	180	M24	530	190	75	23136k	2462	2708	TS180B0718
		200	270	664			2720	510	130	210	M30	610	230	85	23140k	2744	3018	TS180B0720
		220	320	670			2730	540	140	220		640	240	90	23144k	3376	3714	TS180B0722
		240	400	697			2760	650	160	260	M36	770	280	100	23152k	3570	3927	TS180B0724
		260	520	720				670	160	280		790	280	105	23156k	3750	4125	TS180B0726
							2670	450	110	180	M24	530	190	75	23136k	2387	2626	TS180B0816
	1000	160	120	1170			2710	450	110	180	M24	530	190	75	23136k	2816	3098	TS180B0818
		200	270	1490			2720	510	130	210	M30	610	230	85	23140k	3520	3872	TS180B0820
		220	320	1500			2730	540	140	220		640	240	90	23144k	3850	4235	TS180B0822

Bend Pulley

Notes: F: allowable load

GD²: mass of pulley rotor

Belt width	D	d	[F] KN	GD ² Kg. m ²	A	B ₁	L	M	N	H	d _s	P	E	K	Bearing No.	Weight (Kg)		Model
																I	II	
1800	1000	240	400	1509	2400	2000	2760	650	160	260	M36	770	280	100	23152k	4632	5095	TS180B0924
		260	520	1524				670	160	280		790	280	105	23156k	5420	5962	TS180B0926
		300	720	1544			2830	750	200	320		880	330	115	23164k	6570	7227	TS180B0930
	1250	240	400	2479			2760	650	160	260	M42	770	280	100	23152k	5630	6193	TS180B1024
		300	600	2500			2830	750	200	320		880	330	115	23164k	5710	6281	TS180B1030
		320	1250	2938			2870	860	230	360		1000	370	120	23168k	9240	10164	TS180B1032
	1400	300	730	4100			2830	750	200	320	M36	880	330	115	23164k	7220	7942	TS180B1130
		320	1200	4640			2870	860	230	360	M42	1000	370	120	23168k	9242	10166	TS180B1132
		340	1500	4710											23172k	9980	10978	TS180B1134
	1600	300	750	6415			2830	750	200	320	M36	880	330	115	23164k	9278	10206	TS180B1230
		320	1200	6715			2870	860	230	360	M42	1000	370	120	23168k	9614	10575	TS180B1232
		340	1600	7720											23172k	10385	11422	TS180B1234
2000	500	100	28	90	2650	2200	2825	350	—	125	M24	410	120	45	22222k	798	878	TS200B0510
		125	45	91			2855	420		150	M30	500	150	50	22228k	1020	1122	TS200B0512
		140	75	117			2885	470		170		550	160	60	22232k	1290	1419	TS200B0514
		160	120	142			2920	450	110	180	M24	530	190	75	23136k	1874	2061	TS200B0516
	630	100	45	245			2825	350	—	125	M24	410	120	45	22222k	1267	1394	TS200B0610
		140	75	290			2885	470		170	M30	550	160	60	22232k	1690	1859	TS200B0614
		180	160	290			2960	510	130	210		610	230	85	23140k	2310	2541	TS200B0618
		200	270	296			2970	540	140	220		640	240	90	23144k	3250	3575	TS200B0620
		220	320	302			2980	600	150	240		700	260	95	23148k	3325	3658	TS200B0622
	800	140	75	594			2885	470	—	170	M30	550	160	60	22232k	1828	2011	TS200B0714
		180	160	636			2960	510	130	210		610	230	85	23140k	2708	2979	TS200B0718
		200	270	687			2970	540	140	220		640	240	90	23144k	3579	3937	TS200B0720
		240	400	697			3010	650	160	260	M36	770	280	100	23152k	4512	4963	TS200B0724
		260	520	712				670	160	280		790	280	105	23156k	5110	5621	TS200B0726
	1000	180	120	1287			2960	510	130	210	M30	610	230	85	23140k	3098	3408	TS200B0818

Bend Pulley

Notes: F: allowable load

GD²: mass of pulley rotor

Belt width	D	d	[F] KN	GD ² Kg. m ²	A	B ₁	L	M	N	H	d _s	P	E	K	Bearing No.	Weight (Kg)		Model
																I	II	
2000	1000	200	260	1300	2650	2200	2970	540	140	220	M30	640	240	90	23144k	3876	4264	TS200B0920
		240	400	1326			3010	650	160	260	M36	770	280	100	23152k	4935	5429	TS200B0924
		260	520	1340				670	160	280		790	280	105	23156k	5731	6304	TS200B0926
		300	740	1507			3080	750	200	320	M42	880	330	115	23164k	7132	7845	TS200B0930
		320	1000	1705			3120	860	230	360		1000	370	120	23168k	8730	9603	TS200B0932
	1250	260	520	2670			3010	670	160	280	M36	790	280	105	23156k	6269	6896	TS200B1026
		300	750	2035			3080	750	200	320		880	330	115	23164k	7448	8193	TS200B1030
		320	1300	3564			3120	860	230	360	M42	1000	370	120	23168k	10164	11180	TS200B1032
	1400	300	750	4390			3080	750	200	320	M36	880	330	115	23164k	7932	8725	TS200B1130
		320	1250	4950			3120	860	230	360	M42	1000	370	120	23168k	10167	11184	TS200B1132
		340	1600	5689											23172k	10952	12047	TS200B1134
	1600	300	750	7055			3080	750	200	320	M36	880	330	115	23164k	10205	11226	TS200B1230
		320	1250	7389			3120	860	230	360	M42	1000	370	120	23168k	10575	11633	TS200B1232
		340	1600	8113											23172k	11420	12562	TS200B1234
2200	500	100	28	98	2850	2400	3025	350	—	125	M24	410	120	45	22222k	870	957	TS220B0510
		125	45	99			3055	420		150	M30	500	150	50	22228k	1114	1225	TS220B0512
		140	75	128			3085	470		170		550	160	60	22232k	1408	1549	TS220B0514
		160	120	155			3120	450	110	180	M24	530	190	75	23136k	2044	2248	TS220B0516
	630	125	45	27			3055	420	—	150	M30	500	150	50	22228k	1300	1430	TS220B0612
		140	75	316			3085	470		170		550	160	60	22232k	1845	2030	TS220B0614
		160	120	316			3120	450	110	180	M24	530	190	75	23136k	2520	2772	TS220B0616
		200	270	323			3170	540	140	220	M30	640	240	90	23144k	3545	3900	TS220B0620
		240	380	340			3210	650	160	260	M36	770	280	100	23152k	4120	4532	TS220B0624
	800	160	120	640			3120	450	110	180	M24	530	190	75	23136k	2140	2354	TS220B0716
		180	170	693			3160	510	130	210	M30	610	230	85	23140k	2954	3249	TS220B0718
		200	270	749			3170	540	140	220		640	240	90	23144k	3904	4294	TS220B0720

Bend Pulley

Notes: F: allowable load

GD²: mass of pulley rotor

Belt width	D	d	[F] KN	GD ² Kg. m ²	A	B ₁	L	M	N	H	d _s	P	E	K	Bearing No.	Weight (Kg)		Model
																I	II	
2200	800	240	380	760	2850	2400	3210	650	160	260	M36	770	280	100	23152k	4822	5304	TS220B0724
		260	520	776				670	160	280		790	280	105	23156k	5574	6131	TS220B0726
		300	720	792			3280	750	200	320		880	330	115	23164k	2110	2321	TS220B0730
	1000	180	170	1404			3160	510	130	210	M30	610	230	85	23140k	3379	3717	TS220B0818
		200	260	1418			3170	540	140	220		640	240	90	23144k	4220	4642	TS220B0820
		240	400	1446			3210	650	160	260	M36	770	280	100	23152k	5383	5921	TS220B0824
		260	520	1462				670	160	280		790	280	105	23156k	6252	6877	TS220B0826
		300	720	1644			3280	750	200	320		880	330	115	23164k	7780	8558	TS220B0830
		320	1150	1745			3320	860	230	360	M42	1000	370	120	23168k	8240	9064	TS220B0832
	1250	260	520	2912			3210	670	160	280	M36	790	280	105	23156k	6840	7524	TS220B0926
		300	750	3092			3280	750	200	320		880	330	115	23164k	8130	9141	TS220B0930
		320	1300	3880			3320	860	230	360	M42	1000	370	120	23168k	11088	12197	TS220B0932
	1400	300	750	4788			3280	750	200	320	M36	880	330	115	23164k	8658	9524	TS220B1030
		320	1250	5006			3320	860	230	360	M42	1000	370	120	23168k	11093	12202	TS220B1032
		340	1600	6206											23172k	11946	13141	TS220B1034
	1600	300	750	7690			3280	750	200	320	M36	880	330	115	23164k	11132	12245	TS220B1130
		320	1250	8060			3320	860	230	360	M42	1000	370	120	23168k	11536	12690	TS220B1132
		340	1600	8850											23172k	12458	13704	TS220B1134