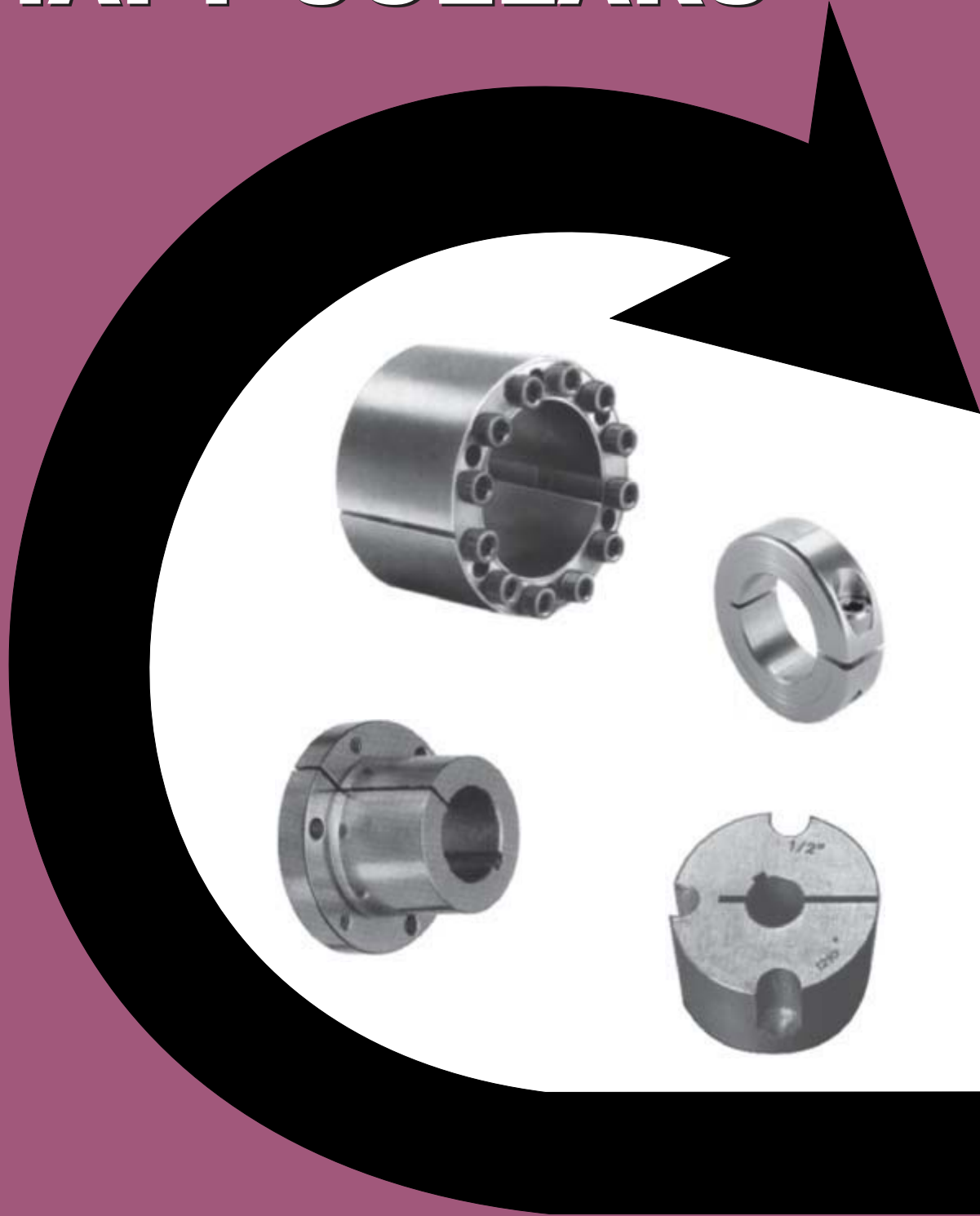


LOCKING BUSHES & SHAFT COLLARS



POWER TRANSMISSION - PNEUMATIC CYLINDERS

2004



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All descriptions and dimensions as published are believed to be correct, but subject to the possibility of printing errors. The right is reserved by us or our suppliers to alter or modify dimensions or designs without notice.

Taper Bushes



Taper bushes are designed to give the following:-

1. Easy assembly.
2. Rapid dismantling of the pulley and other transmission equipment.
3. No special tool requirement except hexagonal allen key.

A large range of bores are available off the shelf which ensures that an immediate assembly can be made, thus avoiding costly factory down-time.

The bushes are machined with standard keyways. This, in addition to clamping screws is sufficient to meet the required torque.

Part No.		Stock Bore Sizes	OD	L
1008	mm	12, 14, 15, 16, 18, 19, 20, 22, 24, 25	35.0	20.3
	inch	3/8", 1/2", 5/8", 3/4", 7/8", 1"		
1108	mm	12, 14, 15, 16, 18, 19, 20, 22, 24, 25, 28	38.0	20.3
	inch	3/8", 1/2", 5/8", 3/4", 7/8", 1", 1 1/8"		
1210	mm	12, 14, 15, 16, 18, 19, 20, 22, 24, 25, 26, 28, 30, 32	47.5	25.4
	inch	1/2", 5/8", 3/4", 7/8", 1", 1 1/8", 1 1/4"		
1215	mm	12, 14, 16, 18, 19, 20, 22, 24, 25, 28, 30, 32	47.5	38.1
	inch	1/2", 5/8", 3/4", 7/8", 1", 1 1/8", 1 1/4"		
1610	mm	12, 14, 15, 16, 18, 19, 20, 22, 24, 25, 28, 30, 32, 35, 38, 40, 42	57.0	25.4
	inch	1/2", 5/8", 3/4", 7/8", 1", 1 1/8", 1 1/4", 1 3/8", 1 5/8"		
1615	mm	12, 14, 16, 18, 19, 20, 22, 24, 25, 28, 30, 32, 35, 38, 40, 42	57.0	38.1
	inch	1/2", 5/8", 3/4", 7/8", 1", 1 1/8", 1 1/4", 1 3/8", 1 1/2", 1 5/8"		
2012	mm	16,19,20,22,24,25,28,30,32,35,38,40,42,45,48,50	70.0	31.8
	inch	3/4", 7/8", 1", 1 1/8", 1 1/4", 1 3/8", 1 1/2", 1 5/8", 1 3/4", 1 7/8", 2"		
* 2017	mm	19, 22, 24, 32, 48	70.0	44.4
	inch	3/4", 7/8", 1", 1.1/8"		
2517	mm	19, 20, 22, 24, 25, 28, 30, 32, 35, 38, 40, 42, 45, 48, 50, 55, 60	85.5	44.5
	inch	3/4", 7/8", 1", 1 1/8", 1 1/4", 1 3/8", 1 1/2", 1 5/8", 1 3/4", 1 7/8", 2", 2 1/8",		
	inch	2 1/4", 2 3/8", 2 1/2"		
* 2525	mm	19, 22	85.6	63.5
	inch	3/4", 7/8", 1", 1 1/8"		
3020	mm	32, 35, 38, 40, 42, 45, 48, 50, 55, 60, 65, 70, 75	108.0	50.8
	inch	1 1/4", 1 3/8", 1 1/2", 1 5/8", 1 3/4", 1 7/8", 2", 2 1/8", 2 1/4", 2 3/8", 2 1/2", 2 5/8", 2 3/4", 2 7/8", 3"		
3030	mm	32, 38, 40, 42, 45, 48, 55, 65, 70	108.0	76.2
	inch	1 3/8", 1 1/2", 1 5/8", 1 3/4", 1 7/8", 2 1/8", 2 3/8", 2 5/8", 2 3/4", 3"		
3535	mm	35, 38, 40, 42, 45, 48, 50, 55, 60, 65, 70, 75, 80, 85, 90	127.0	88.9
	inch	1 1/2", 1 5/8", 1 3/4", 1 7/8", 2", 2 1/8", 2 1/4", 2 3/8", 2 1/2", 2 5/8", 2 3/4",		
	inch	2 7/8", 3", 3.1/8, 3.1/4", 3 3/8", 3 1/2"		
4040	mm	40, 55, 60, 65, 70, 75, 80, 85, 95, 100	146.0	101.6
	inch	1 3/8", 1 3/4, 1 7/8", 2", 2 1/8", 2 1/4", 2 1/2", 2 5/8", 3 1/2", 4"		
4545	mm	60, 65, 70, 75, 80, 85, 90, 95, 100, 105, 110	162.0	114.3
	inch	3", 3 1/8", 3 1/4", 3 3/8", 3 1/2", 3 3/4", 4 1/2"		
5050	mm	70, 95, 100, 110, 115, 120, 125	177.5	127.0

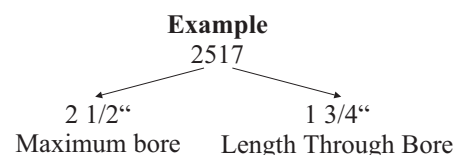
* Discontinued size, only limited bore sizes available.

OD = Outside Diameter

L = Length Through Bore

The first 2 digits of the part number are the maximum bore size in inches.

The second 2 digits of the part number are the length through bore in inches.

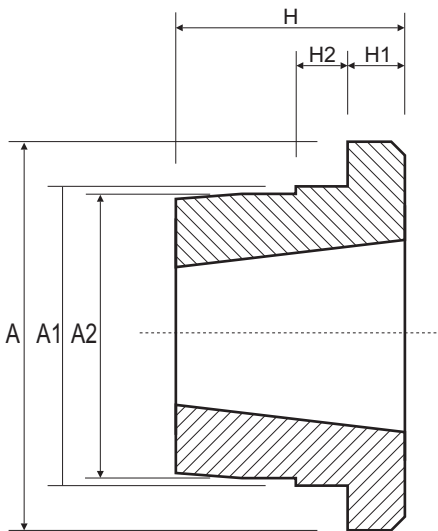




Weld-On Hubs

Weld-On Hubs are made of steel, drilled, tapped and taper bored to receive Tapered Bushings. They are very useful for welding into pulleys, plate sprockets, impellers, agitators and many other devices which must be firmly fastened to the shaft.

Part No.	Bush	A	A1	A2	H	H1	H2
Long Bush Design							
W12	1215	73.0	63.5	62.7	38.1	15.9	9.5
W16	1615	82.6	73.0	72.2	38.1	15.9	9.5
W20	2017	101.6	88.9	88.1	44.5	19.1	10.8
W25	2517	127.0	111.1	110.3	44.5	19.1	10.8
W30	3030	149.9	133.4	132.6	76.2	25.4	19.1
W35	3535	184.2	158.8	158.0	88.9	31.8	25.4
W40	4040	225.4	196.9	196.1	101.6	31.8	31.8
W45	4545	254.0	222.3	221.5	114.3	38.1	38.1
Short Bush Design							
WH12	1210	70.0	65.0	64.5	25.0	9.0	10.0
WH16	1610	80.0	75.0	74.5	25.0	9.0	10.0
WH20	2012	95.0	90.0	89.5	32.0	12.0	12.0
WH25	2517	115.0	110.0	109.5	44.0	19.0	15.0
WH30	3020	145.0	140.0	139.5	50.0	20.0	15.0
WH35	3525	190.0	180.0	179.5	65.0	25.0	15.0
WH40	4040	200.0	190.0	189.5	101.0	32.0	30.0
WH45	4545	210.0	200.0	199.5	114.0	40.0	30.0
WH50	5050	230.0	220.0	219.5	127.0	40.0	35.0



All dimensions in mm unless otherwise stated

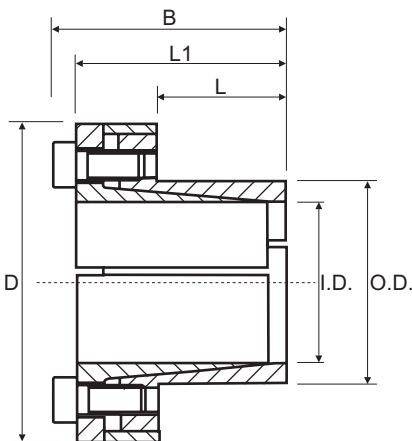


TLK110 (self-centering)

Consists of two conical pieces and a spacer. It has minimum overall dimensions in virtue of the reduced thickness of the cones; so, TLK110 is suitable for the applications where small hubs are used. It is recommended for medium to high torques and is self-centering. TLK110 guarantees a very precise axial positioning, as no axial displacement of the hub occurs during the assembly operation. Available for shaft diameters from 6 to 130 mm.

Characteristics

Medium-high torque
 Restricted hub diameter
 Quick installation
 Very low surface pressure



Torque = Maximum transmittable torque when axial force is zero.

Axial Force = Maximum axial force when transmittable torque is zero.

For TLK110 use the following tolerances

h8 for the shaft
 H8 for the hub

Part No.	I.D.	O.D.	L	L1	B	D	Torque Nm	Axial Force N
TLK110---6/14	6	14	10	21	24	25	12	4000
TLK110---7/15	7	15	12	25	29	27	25	7000
TLK110---8/15	8	15	12	25	29	27	29	7000
TLK110---9/16	9	16	14	26	30	28	44	10000
TLK110--10/16	10	16	14	26	30	28	49	10000
TLK110--11/18	11	18	14	26	30	32	53	10000
TLK110--12/18	12	18	14	26	30	32	58	10000
TLK110--13/23	13	23	14	26	30	38	63	10000
TLK110--14/23	14	23	14	26	30	38	68	10000
TLK110--15/24	15	24	16	36	42	45	127	17000
TLK110--16/24	16	24	16	36	42	45	136	17000
TLK110--17/26	17	26	18	38	44	47	180	22000
TLK110--18/26	18	26	18	38	44	47	200	22000
TLK110--19/27	19	27	18	38	44	49	210	22000
TLK110--20/28	20	28	18	38	44	50	220	22000
TLK110--22/32	22	32	25	45	51	54	250	22000
TLK110--24/34	24	34	25	45	51	56	270	22000
TLK110--25/34	25	34	25	45	51	56	280	22000
TLK110--28/39	28	39	25	45	51	61	465	33000
TLK110--30/41	30	41	25	45	51	62	510	33000
TLK110--32/43	32	43	25	45	51	65	540	33000
TLK110--35/47	35	47	32	52	58	69	790	45000
TLK110--38/50	38	50	32	52	58	72	860	45000
TLK110--40/53	40	53	32	52	58	75	900	45000
TLK110--42/55	42	55	32	52	58	78	950	45000
TLK110--45/59	45	59	45	70	78	86	1890	84000
TLK110--48/62	48	62	45	70	78	87	2010	84000
TLK110--50/65	50	65	45	70	78	92	2100	84000
TLK110--55/71	55	71	55	80	88	98	2600	94000
TLK110--60/77	60	77	55	80	88	104	2840	94000
TLK110--65/84	65	84	55	80	88	111	3070	94000
TLK110--70/90	70	90	65	96	106	119	5250	150000
TLK110--75/95	75	95	65	96	106	126	5600	150000
TLK110--80/100	80	100	65	96	106	131	8020	200000
TLK110--85/106	85	106	65	96	106	137	8500	200000
TLK110--90/112	90	112	65	96	106	144	9000	200000
TLK110--95/120	95	120	65	96	106	149	11000	230000
TLK110-100/125	100	125	65	96	106	154	15000	300000
TLK110-110/140	110	140	90	128	140	180	16000	290000
TLK110-120/155	120	155	90	128	140	198	17500	290000
TLK110-130/165	130	165	90	128	140	208	25000	384000

All dimensions in mm unless otherwise stated

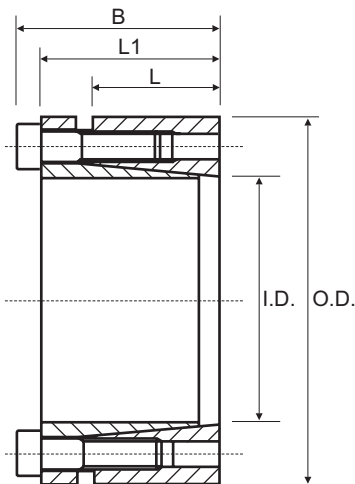


TLK130 (self-centering)

Consists of one inside and one outside cone ring, which are joined by a set of screws. It is suitable for high torques and is self-centering. Applications which require a very precise axial positioning are not recommended, owing to a small axial displacement of the hub during the assembly operation. Available for shaft diameters from 18 to 220 mm.

Characteristics

High torque
Economical
Quick installation



Part No.	I.D.	O.D.	L	L1	B	Torque Nm	Axial Force N
TLK130--18/47	18	47	26	41	47	490	54000
TLK130--19/47	19	47	26	41	47	510	54000
TLK130--20/47	20	47	26	41	47	540	54000
TLK130--22/47	22	47	26	41	47	600	54000
TLK130--24/50	24	50	26	41	47	650	54000
TLK130--25/50	25	50	26	41	47	680	54000
TLK130--28/55	28	55	26	41	47	760	54000
TLK130--30/55	30	55	26	41	47	820	54000
TLK130--32/60	32	60	26	41	47	1160	73000
TLK130--35/60	35	60	26	41	47	1270	73000
TLK130--38/65	38	65	26	41	47	1380	73000
TLK130--40/65	40	65	26	41	47	1450	73000
TLK130--42/75	42	75	30	49	57	2130	101000
TLK130--45/75	45	75	30	49	57	2280	101000
TLK130--48/80	48	80	30	49	57	2430	101000
TLK130--50/80	50	80	30	49	57	2530	101000
TLK130--55/85	55	85	30	49	57	3700	135000
TLK130--60/90	60	90	30	49	57	4000	135000
TLK130--65/95	65	95	30	49	57	4380	135000
TLK130--70/110	70	110	40	59	69	7500	214000
TLK130--75/115	75	115	40	59	69	8000	214000
TLK130--80/120	80	120	40	59	69	8560	214000
TLK130--85/125	85	125	40	59	69	11370	268000
TLK130--90/130	90	130	40	59	69	12000	268000
TLK130--95/135	95	135	40	59	69	12600	268000
TLK130-100/145	100	145	46	68	80	15580	312000
TLK130-110/155	110	155	46	68	80	17100	312000
TLK130-120/165	120	165	46	68	80	23370	390000
TLK130-130/180	130	180	46	68	80	30380	467000
TLK130-140/190	140	190	50	76	90	29900	428000
TLK130-150/200	150	200	50	76	90	40000	535000
TLK130-160/210	160	210	50	76	90	42750	535000
TLK130-170/225	170	225	50	76	90	54500	641000
TLK130-180/235	180	235	50	76	90	57700	641000
TLK130-190/250	190	250	50	76	90	76000	802000
TLK130-200/260	200	260	50	76	90	80000	802000
TLK130-220/285	220	285	64	92	108	98000	891000

Torque = Maximum transmittable torque when axial force is zero.

Axial Force = Maximum axial force when transmittable torque is zero.

For TLK130 use the following tolerances

h8 for the shaft
H8 for the hub

All dimensions in mm unless otherwise stated

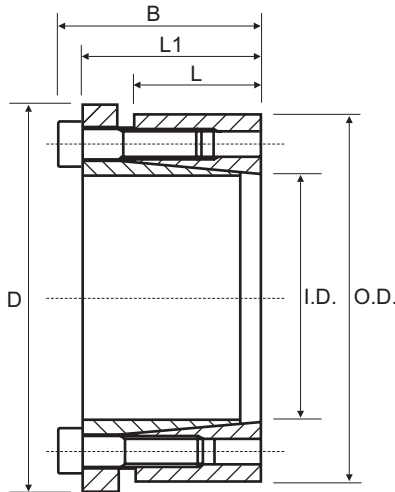


TLK131 (self-centering)

Consists of one inside and one outside cone ring, which are joined by a set of screws. It is suitable for high torques and is self-centering. Applications which require a very precise axial positioning are recommended, owing to no axial displacement of the hub during the assembly operation. Available for shaft diameters from 18 to 220 mm.

Characteristics

High torque
Economical
Quick installation



Torque = Maximum transmittable torque when axial force is zero.

Axial Force = Maximum axial force when transmittable torque is zero.

For TLK131 use the following tolerances:

h8 for the shaft

H8 for the hub

Part No.	I.D.	O.D.	L	L1	B	D	Torque Nm	Axial Force N
TLK131--18/47	18	47	26	41	47	53	300	34000
TLK131--19/47	19	47	26	41	47	53	320	34000
TLK131--20/47	20	47	26	41	47	53	330	34000
TLK131--22/47	22	47	26	41	47	53	370	34000
TLK131--24/50	24	50	26	41	47	56	400	34000
TLK131--25/50	25	50	26	41	47	56	420	34000
TLK131--28/55	28	55	26	41	47	61	470	34000
TLK131--30/55	30	55	26	41	47	61	510	34000
TLK131--32/60	32	60	26	41	47	66	720	45000
TLK131--35/60	35	60	26	41	47	66	790	45000
TLK131--38/65	38	65	26	41	47	71	860	45000
TLK131--40/65	40	65	26	41	47	71	900	45000
TLK131--42/75	42	75	30	49	57	81	1320	63000
TLK131--45/75	45	75	30	49	57	81	1410	63000
TLK131--48/80	48	80	30	49	57	86	1510	63000
TLK131--50/80	50	80	30	49	57	86	1570	63000
TLK131--55/85	55	85	30	49	57	91	2310	84000
TLK131--60/90	60	90	30	49	57	96	2520	84000
TLK131--65/95	65	95	30	49	57	102	2730	84000
TLK131--70/110	70	110	40	59	69	117	4650	133000
TLK131--75/115	75	115	40	59	69	122	5000	133000
TLK131--80/120	80	120	40	59	69	127	5330	133000
TLK131--85/125	85	125	40	59	69	132	7080	167000
TLK131--90/130	90	130	40	59	69	137	7500	167000
TLK131--95/135	95	135	40	59	69	142	7900	167000
TLK131-100/145	100	145	46	68	80	153	9700	194000
TLK131-110/155	110	155	46	68	80	163	10650	194000
TLK131-120/165	120	165	46	68	80	173	14550	243000
TLK131-130/180	130	180	46	68	80	188	18950	291000
TLK131-140/190	140	190	50	76	90	199	18650	267000
TLK131-150/200	150	200	50	76	90	209	25000	333000
TLK131-160/210	160	210	50	76	90	219	26650	333000
TLK131-170/225	170	225	50	76	90	234	34000	400000
TLK131-180/235	180	235	50	76	90	244	36000	400000
TLK131-190/250	190	250	50	76	90	259	47400	500000
TLK131-200/260	200	260	50	76	90	269	50000	500000
TLK131-220-285	220	285	64	92	108	294	61000	556000

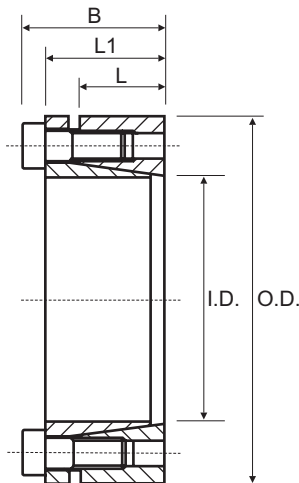
All dimensions in mm unless otherwise stated



TLK132 (self-centering)

Consists of one inside and one outside cone ring, which are joined by a set of screws. It is suitable for medium to high torques and is self-centering. Applications which require a very precise axial positioning are not recommended, owing to a small axial displacement of the hub during the assembly operation. Available for shaft diameters from 18 to 220 mm.

Characteristics
 Medium-high torque
 Economical
 Quick installation



Part No.	I.D.	O.D.	L	L1	B	Torque Nm	Axial Force N
TLK132--18/47	18	47	17	28	34	330	38000
TLK132--19/47	19	47	17	28	34	350	38000
TLK132--20/47	20	47	17	28	34	380	38000
TLK132--22/47	22	47	17	28	34	410	38000
TLK132--24/50	24	50	17	28	34	450	38000
TLK132--25/50	25	50	17	28	34	570	46000
TLK132--28/55	28	55	17	28	34	630	46000
TLK132--30/55	30	55	17	28	34	660	46000
TLK132--32/60	32	60	17	28	34	970	60000
TLK132--35/60	35	60	17	28	34	1060	60000
TLK132--38/65	38	65	17	28	34	1150	60000
TLK132--40/65	40	65	17	28	34	1210	60000
TLK132--42/75	42	75	20	33	41	2050	98000
TLK132--45/75	45	75	20	33	41	2200	98000
TLK132--48/80	48	80	20	33	41	2350	98000
TLK132--50/80	50	80	20	33	41	2450	98000
TLK132--55/85	55	85	20	33	41	3080	112000
TLK132--60/90	60	90	20	33	41	3360	112000
TLK132--65/95	65	95	20	33	41	4090	126000
TLK132--70/110	70	110	24	40	50	6300	179000
TLK132--75/115	75	115	24	40	50	6700	179000
TLK132--80/120	80	120	24	40	50	7150	179000
TLK132--85/125	85	125	24	40	50	8500	200000
TLK132--90/130	90	130	24	40	50	9100	200000
TLK132--95/135	95	135	24	40	50	10600	224000
TLK132-100/145	100	145	26	44	56	13400	268000
TLK132-110/155	110	155	26	44	56	14600	268000
TLK132-120/165	120	165	26	44	56	17900	298000
TLK132-130/180	130	180	34	54	66	26000	400000
TLK132-140/190	140	190	34	54	68	27000	384000
TLK132-150/200	150	200	34	54	68	33000	440000
TLK132-160/210	160	210	34	54	68	38000	479000
TLK132-170/225	170	225	44	64	78	45000	530000
TLK132-180/235	180	235	44	64	78	47000	530000
TLK132-190/250	190	250	44	64	78	62900	660000
TLK132-200/260	200	260	44	64	78	66000	660000
TLK132-220/285	220	285	50	72	88	98000	891000

Torque = Maximum transmittable torque when axial force is zero.

Axial Force = Maximum axial force when transmittable torque is zero.

For TLK132 use the following tolerances

h8 for the shaft
 H8 for the hub

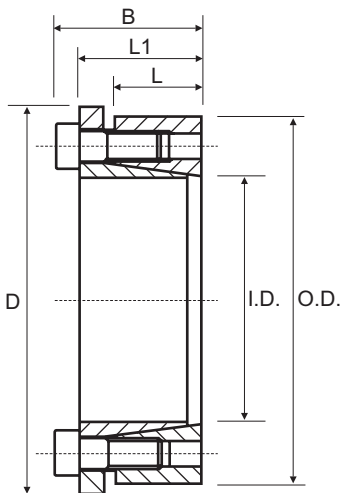
All dimensions in mm unless otherwise stated



TLK133 (self-centering)

Consists of one inside and one outside cone ring, which are joined by a set of screws. It is suitable for medium to high torques and is self-centering. Applications which require a very precise axial positioning are not recommended, owing to a small axial displacement of the hub during the assembly operation. Available for shaft diameters from 18 to 220 mm.

Characteristics
 Medium-high torque
 Economical
 Quick installation



Part No.	I.D.	O.D.	L	L1	B	D	Torque Nm	Axial Force N
TLK133--18/47	18	47	17	28	34	54	250	28000
TLK133--19/47	19	47	17	28	34	54	270	28000
TLK133--20/47	20	47	17	28	34	54	280	28000
TLK133--22/47	22	47	17	28	34	54	300	28000
TLK133--24/50	24	50	17	28	34	57	330	28000
TLK133--25/50	25	50	17	28	34	57	420	34000
TLK133--28/55	28	55	17	28	34	62	470	34000
TLK133--30/55	30	55	17	28	34	62	500	34000
TLK133--32/60	32	60	17	28	34	67	720	45000
TLK133--35/60	35	60	17	28	34	67	790	45000
TLK133--38/65	38	65	17	28	34	72	850	45000
TLK133--40/65	40	65	17	28	34	72	900	45000
TLK133--42/75	42	75	20	33	41	82	1530	73000
TLK133--45/75	45	75	20	33	41	82	1650	73000
TLK133--48/80	48	80	20	33	41	87	1760	73000
TLK133--50/80	50	80	20	33	41	87	1830	73000
TLK133--55/85	55	85	20	33	41	92	2300	83000
TLK133--60/90	60	90	20	33	41	97	2510	83000
TLK133--65/95	65	95	20	33	41	102	3060	94000
TLK133--70/110	70	110	24	40	50	117	4670	133000
TLK133--75/115	75	115	24	40	50	122	5000	133000
TLK133--80/120	80	120	24	40	50	127	5300	133000
TLK133--85/125	85	125	24	40	50	132	6300	148000
TLK133--90/130	90	130	24	40	50	137	6750	148000
TLK133--95/135	95	135	24	40	50	142	7900	166000
TLK133-100/145	100	145	26	44	56	152	9700	194000
TLK133-110/155	110	155	26	44	56	162	10600	194000
TLK133-120/165	120	165	26	44	56	172	13000	216000
TLK133-130/180	130	180	34	54	66	187	18900	290000
TLK133-140/190	140	190	34	54	68	197	20500	290000
TLK133-150/200	150	200	34	54	68	207	25000	333000
TLK133-160/210	160	210	34	54	68	217	29000	362000
TLK133-170/225	170	225	44	64	78	232	34000	400000
TLK133-180/235	180	235	44	64	78	242	36000	400000
TLK133-190/250	190	250	44	64	78	257	47500	500000
TLK133-200/260	200	260	44	64	78	267	50000	500000
TLK133-220/285	220	285	50	72	88	292	61000	556000

Torque = Maximum transmittable torque when axial force is zero.
Axial Force = Maximum axial force when transmittable torque is zero.

For TLK133 use the following tolerances

h8 for the shaft
 H8 for the hub

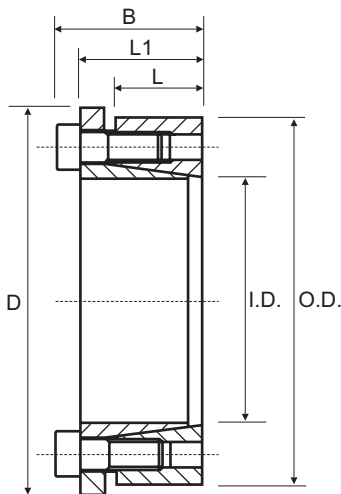
All dimensions in mm unless otherwise stated



TLK134 (self-centering)

Consists of one inside and one outside cone ring, which are joined by a set of screws. It is suitable for medium torques and is self-centering. Applications which require a very precise axial positioning are recommended. Available for shaft diameters from 14 to 50 mm.

Characteristics
 Medium-low torque
 Economical
 Quick installation



Part No.	I.D.	O.D.	L	L1	B	D	Torque Nm	Axial Force N
Diam -55 (O.D.)								
TLK134--14/55	14	55	17	30	38	62	120	18000
TLK134--15/55	15	55	17	30	38	62	130	18000
TLK134--16/55	16	55	17	30	38	62	140	18000
TLK134--17/55	17	55	17	30	38	62	150	18000
TLK134--18/55	18	55	17	30	38	62	150	18000
TLK134--19/55	19	55	17	30	38	62	160	18000
TLK134--20/55	20	55	17	30	38	62	170	18000
TLK134--22/55	22	55	17	30	38	62	280	25000
TLK134--24/55	24	55	17	30	38	62	300	25000
TLK134--25/55	25	55	17	30	38	62	310	25000
TLK134--28/55	28	55	17	30	38	62	430	31000
TLK134--30/55	30	55	17	30	38	62	470	31000
Diam -65 (O.D.)								
TLK134--24/65	24	65	17	30	38	72	440	37000
TLK134--25/65	25	65	17	30	38	72	460	37000
TLK134--28/65	28	65	17	30	38	72	600	44000
TLK134--30/65	30	65	17	30	38	72	640	44000
TLK134--32/65	32	65	17	30	38	72	690	44000
TLK134--35/65	35	65	17	30	38	72	910	52000
TLK134--38/65	38	65	17	30	38	72	990	52000
TLK134--40/65	40	65	17	30	38	72	1050	52000
Diam -80 (O.D.)								
TLK134--30/80	30	80	20	33	41	87	780	52000
TLK134--32/80	32	80	20	33	41	87	830	52000
TLK134--35/80	35	80	20	33	41	87	1060	61000
TLK134--38/80	38	80	20	33	41	87	1150	61000
TLK134--40/80	40	80	20	33	41	87	1220	61000
TLK134--42/80	42	80	20	33	41	87	1540	73000
TLK134--45/80	45	80	20	33	41	87	1650	73000
TLK134--48/80	48	80	20	33	41	87	1760	73000
TLK134--50/80	50	80	20	33	41	87	1830	73000

All dimensions in mm unless otherwise stated

Torque = Maximum transmittable torque when axial force is zero.

Axial Force = Maximum axial force when transmittable torque is zero.

For TLK134 use the following tolerances

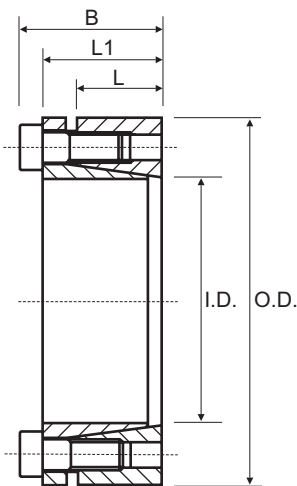
h8 for the shaft
 H8 for the hub



TLK139 (self-centering)

Consists of one inside and one outside cone ring, which are joined by a set of screws. It is suitable for medium to low torques and is self-centering. Available for shaft diameters from 18 to 90 mm.

Characteristics
 Medium-low torque
 Economical
 Quick installation



Part No.	I.D.	O.D.	L	L1	B	Torque Nm	Axial Force N
TLK139-18/40	18	40	12	20	24	210	23700
TLK139-19/41	19	41	12	20	24	220	23700
TLK139-20/42	20	42	12	20	24	270	27700
TLK139-22/44	22	44	12	20	24	300	27700
TLK139-24/46	24	46	12	20	24	330	27700
TLK139-25/47	25	47	12	20	24	340	27700
TLK139-28/50	28	50	12	20	24	500	35600
TLK139-30/52	30	52	12	20	24	530	35600
TLK139-32/54	32	54	12	20	24	570	35600
TLK139-35/57	35	57	16	24	28	690	39500
TLK139-36/58	36	58	16	24	28	710	39500
TLK139-38/60	38	60	16	24	28	830	43500
TLK139-40/62	40	62	16	24	28	870	43500
TLK139-42/70	42	70	19	30	36	1530	73000
TLK139-45/73	45	73	19	30	36	1640	73000
TLK139-48/76	48	76	19	30	36	1750	73000
TLK139-50/78	50	78	19	30	36	1820	73000
TLK139-55/83	55	83	19	30	36	2000	73000
TLK139-56/84	56	84	19	30	36	2040	73000
TLK139-60/88	60	88	19	30	36	2460	82100
TLK139-63/91	63	91	19	30	36	2580	82100
TLK139-65/93	65	93	19	30	36	2660	82100
TLK139-70/105	70	105	23	37	45	4720	134800
TLK139-75/110	75	110	23	37	45	5050	134800
TLK139-80/115	80	115	23	37	45	5390	134800
TLK139-85/120	85	120	23	37	45	5730	134800
TLK139-90/125	90	125	23	37	45	7580	168500

All dimensions in mm unless otherwise stated

Torque = Maximum transmittable torque when axial force is zero.

Axial Force = Maximum axial force when transmittable torque is zero.

For TLK139 use the following tolerances

h8 for the shaft
 H8 for the hub

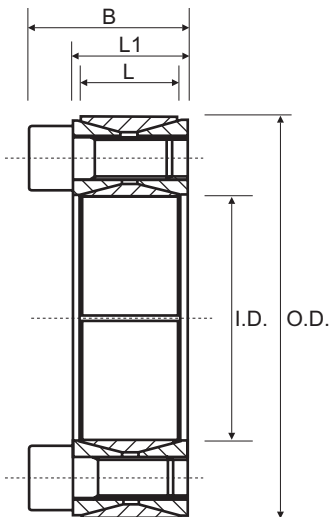


TLK200 (not self-centering)

Cone clamping unit consists of four pieces with two inside double-cone rings joined through a set of tightening screws. It is recommended for medium to high torques and although it is not self-centering, it can be easily assembled and disassembled. Available for shaft diameters from 20 to 900 mm.

Characteristics

Medium-high torque
Wide tolerances
Easy dismantling



Torque = Maximum transmittable torque when axial force is zero.

Axial Force = Maximum axial force when transmittable torque is zero.

When using more than one TLK200 unit, the total transmittable torque is as follows:

1 unit: Torque = Torque in table

2 unit: Torque = Torque in table X 1.9

3 unit: Torque = Torque in table X 2.7

For TLK200 use the following tolerances

h11 for the shaft

H11 for the hub

Part No.	I.D.	O.D.	L	L1	B	Torque Nm	Axial Force N
TLK200--20/47	20	47	17	20	27.5	280	29000
TLK200--22/47	22	47	17	20	27.5	310	29000
TLK200--24/50	24	50	17	20	27.5	370	32000
TLK200--25/50	25	50	17	20	27.5	400	32000
TLK200--28/55	28	55	17	20	27.5	500	36000
TLK200--30/55	30	55	17	20	27.5	530	36000
TLK200--32/60	32	60	17	20	27.5	680	42000
TLK200--35/60	35	60	17	20	27.5	750	43000
TLK200--38/65	38	65	17	20	27.5	930	49000
TLK200--40/65	40	65	17	20	27.5	980	49000
TLK200--42/75	42	75	20	24	33.5	1580	75000
TLK200--45/75	45	75	20	24	33.5	1700	76000
TLK200--48/80	48	80	20	24	33.5	1790	74000
TLK200--50/80	50	80	20	24	33.5	1870	75000
TLK200--55/85	55	85	20	24	33.5	2390	88000
TLK200--60/90	60	90	20	24	33.5	2610	88000
TLK200--65/95	65	95	20	24	33.5	3210	98000
TLK200--70/110	70	110	24	28	39.5	4600	132000
TLK200--75/115	75	115	24	28	39.5	4900	131000
TLK200--80/120	80	120	24	28	39.5	5200	131000
TLK200--85/125	85	125	24	28	39.5	6300	148000
TLK200--90/130	90	130	24	28	39.5	6600	147000
TLK200--95/135	95	135	24	28	39.5	7900	167000
TLK200-100/145	100	145	26	33	47.0	9750	195000
TLK200-110/155	110	155	26	33	47.0	10650	194000
TLK200-120/165	120	165	26	33	47.0	13300	221000
TLK200-130/180	130	180	34	38	52.0	17850	276000
TLK200-140/190	140	190	34	38	52.0	21200	302000
TLK200-150/200	150	200	34	38	52.0	24500	329000
TLK200-160/210	160	210	34	38	52.0	28400	355000
TLK200-170/225	170	225	38	44	60.0	33600	396000
TLK200-180/235	180	235	38	44	60.0	38700	431000
TLK200-190/250	190	250	46	52	68.0	44700	502000
TLK200-200/260	200	260	46	52	68.0	53500	538000
TLK200-220/285	220	285	50	56	74.0	68500	630000
TLK200-240/305	240	305	50	56	74.0	86000	717000
TLK200-260/325	260	325	50	56	74.0	105000	810000
TLK200-280/355	280	355	60	66	86.5	128500	920000
TLK200-300/375	300	375	60	66	86.5	153600	1025000

Sizes up to TLK200-900/1010 available on request

All dimensions in mm unless otherwise stated



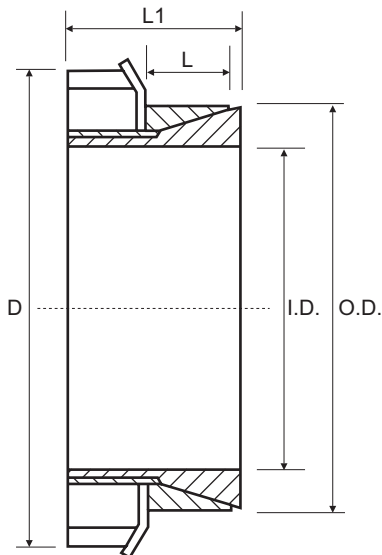
TLK250 (not self-centering)

Consists of two cone rings, joined through a lock nut and a tab washer. In virtue of the simple design, very fast assembly/disassembly is possible. TLK250 is suitable for applications with medium to low torques.

Available for shaft diameters from 14 to 70 mm.

Characteristics

Medium-low torque
Restricted hub diameter
Quick installation
Economical



Part No.	I.D.	O.D.	L	L1	D	Torque Nm	Axial Force N
TLK250-14/25	14	25	6.5	16.5	32	38	5000
TLK250-15/25	15	25	6.5	16.5	32	41	5000
TLK250-16/25	16	25	6.5	16.5	32	43	5000
TLK250-17/26	17	26	6.5	16.5	32	47	5000
TLK250-17/30	17	30	6.5	18.0	38	55	6000
TLK250-18/26	18	26	6.5	18.0	32	49	5000
TLK250-18/30	18	30	6.5	18.0	38	58	6000
TLK250-19/30	19	30	6.5	18.0	38	62	7000
TLK250-20/30	20	30	6.5	18.0	38	66	7000
TLK250-22/32	22	32	6.5	18.0	38	73	7000
TLK250-22/35	22	35	6.5	18.0	45	96	8000
TLK250-24/35	24	35	6.5	18.0	45	105	9000
TLK250-25/35	25	35	6.5	18.0	45	110	9000
TLK250-28/36	28	36	6.5	18.0	45	120	9000
TLK250-28/40	28	40	7.0	19.5	52	150	10000
TLK250-30/40	30	40	7.0	19.5	52	160	11000
TLK250-32/42	32	42	7.0	19.5	52	170	11000
TLK250-32/45	32	45	8.0	21.5	58	210	12000
TLK250-35/45	35	45	8.0	21.5	58	230	13000
TLK250-36/45	36	45	8.0	21.5	58	240	13000
TLK250-38/48	38	48	8.0	21.5	58	250	13000
TLK250-38/52	38	52	10.0	24.5	65	290	14000
TLK250-40/52	40	52	10.0	24.5	65	310	15000
TLK250-42/55	42	55	10.0	25.5	65	320	15000
TLK250-42/57	42	57	10.0	25.5	70	370	17000
TLK250-45/57	45	57	10.0	25.5	70	400	18000
TLK250-48/62	48	62	10.0	25.5	75	500	21000
TLK250-50/62	50	62	10.0	25.5	75	520	21000
TLK250-55/68	55	68	12.0	27.5	80	610	22000
TLK250-56/68	56	68	12.0	27.5	80	620	22000
TLK250-60/73	60	73	12.0	28.5	85	800	27000
TLK250-63/79	63	79	14.0	30.5	92	980	31000
TLK250-65/79	65	79	14.0	30.5	92	1010	31000
TLK250-70/84	70	84	14.0	31.5	98	1240	35000

Torque = Maximum transmittable torque when axial force is zero.

Axial Force = Maximum axial force when transmittable torque is zero.

For TLK250 use the following tolerances

h8 for the shaft

H8 for the hub

All dimensions in mm unless otherwise stated

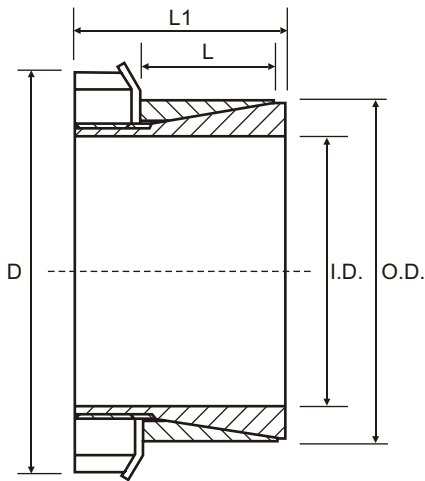


TLK250.L (self-centering)

Consists of two cone rings, joined through a lock nut and a tab washer. In virtue of the simple design, very fast assembly/disassembly is possible. TLK250L is suitable for applications with medium to low torques. TLK250L is very similar to the standard TLK250, but is manufactured in a longer execution. Available for shaft diameters from 14 to 60 mm.

Characteristics

Medium-low torque
Restricted hub diameter
Quick installation
Economical



Part No.	I.D.	O.D.	L	L1	D	Torque Nm	Axial Force N
TLK250-14/25.L	14	25	20	30	32	64	9000
TLK250-15/25.L	15	25	20	30	32	70	9000
TLK250-16/25.L	16	25	20	30	32	73	9000
TLK250-17/25.L	17	25	20	32	32	80	9000
TLK250-18/30.L	18	30	20	32	38	100	10000
TLK250-19/30.L	19	30	20	32	38	105	11000
TLK250-20/30.L	20	30	20	32	38	112	11000
TLK250-22/35.L	22	35	25	36	45	163	14000
TLK250-24/35.L	24	35	25	36	45	178	14000
TLK250-25/35.L	25	35	25	36	45	185	14000
TLK250-28/40.L	28	40	30	42	52	250	17000
TLK250-30/40.L	30	40	30	42	52	270	17000
TLK250-32/45.L	32	45	30	44	58	350	21000
TLK250-35/45.L	35	45	30	44	58	390	21000
TLK250-38/50.L	38	50	30	45	65	500	26000
TLK250-40/50.L	40	50	30	45	65	520	26000
TLK250-42/55.L	42	55	30	46	70	630	30000
TLK250-45/55.L	45	55	30	46	70	680	30000
TLK250-48/60.L	48	60	30	46	75	840	35000
TLK250-50/60.L	50	60	30	46	75	880	35000
TLK250-55/65.L	55	65	30	46	80	1030	37000
TLK250-60/70.L	60	70	30	52	85	1360	45000

All dimensions in mm unless otherwise stated

Torque = Maximum transmittable torque when axial force is zero.

Axial Force = Maximum axial force when transmittable torque is zero.

For TLK250.L use the following tolerances

h8 for the shaft

H8 for the hub

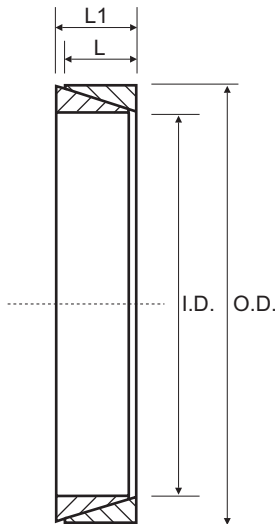


TLK300 (not self-centering)

Consists of two cone rings and must be equipped with a fastening flange, usually manufactured by the customer. The number of locking screws depends on the torque to be transmitted. It is not self-centering. TLK300 requires very small axial installation dimensions. Up to 4 units can be arranged behind each other, allowing high torques to be transmitted. Available for shaft diameters from 6 - 540 mm.

Characteristics

Medium low torque
Restricted radial encumbrance
Quick installation
Economical



Torque = Maximum transmittable torque when axial force is zero.

Axial Force = Maximum axial force when transmittable torque is zero.

For TLK300 use the following tolerances

h6 for the shaft - H7 for the hub
(up to 40mm I.D.)

h8 for the shaft - H8 for the hub
(over 40mm I.D.)

When using more than one TLK300 unit, the total transmittable torque is as follows:

- 1 unit: Torque = Torque in table
- 2 unit: Torque = Torque in table X 1.55
- 3 unit: Torque = Torque in table X 1.85
- 4 unit: Torque = Torque in table X 2.02

Part No.	I.D.	O.D.	L	L1	Torque Nm	Axial Force N
TLK300---6/9	6	9	3.7	4.5	2	840
TLK300---7/10	7	10	3.7	4.5	3	860
TLK300---8/11	8	11	3.7	4.5	5	1170
TLK300---9/12	9	12	3.7	4.5	8	1760
TLK300--10/13	10	13	3.7	4.5	10	1910
TLK300--12/15	12	15	3.7	4.5	11	1910
TLK300--13/16	13	16	3.7	4.5	13	2020
TLK300--14/18	14	18	5.3	6.3	22	3180
TLK300--15/19	15	19	5.3	6.3	24	3240
TLK300--16/20	16	20	5.3	6.3	27	3420
TLK300--17/21	17	21	5.3	6.3	30	3510
TLK300--18/22	18	22	5.3	6.3	32	3610
TLK300--19/24	19	24	5.3	6.3	49	5220
TLK300--20/25	20	25	5.3	6.3	53	5330
TLK300--22/26	22	26	5.3	6.3	66	6000
TLK300--24/28	24	28	5.3	6.3	73	6130
TLK300--25/30	25	30	5.3	6.3	72	5770
TLK300--28/32	28	32	5.3	6.3	88	6330
TLK300--30/35	30	35	5.3	6.3	91	6080
TLK300--32/36	32	36	5.3	6.3	131	8240
TLK300--35/40	35	40	6	7	171	9770
TLK300--36/42	36	42	6	7	169	9390
TLK300--38/44	38	44	6	7	181	9550
TLK300--40/45	40	45	6.6	8	231	11570
TLK300--42/48	42	48	6.6	8	235	11220
TLK300--45/52	45	52	8.6	10	353	15710
TLK300--48/55	48	55	8.6	10	572	23840
TLK300--50/57	50	57	8.6	10	602	24080
TLK300--55/62	55	62	8.6	10	670	24350
TLK300--56/64	56	64	10.4	12	790	28200
TLK300--60/68	60	68	10.4	12	860	28600
TLK300--63/71	63	71	10.4	12	910	28800
TLK300--65/73	65	73	10.4	12	950	29200
TLK300--70/79	70	79	12.2	14	1380	39400
TLK300--71/80	71	80	12.2	14	1400	39400
TLK300--75/84	75	84	12.2	14	1450	38600
TLK300--80/91	80	91	15	17	2200	55000
TLK300--85/96	85	96	15	17	2400	56400
TLK300--90/101	90	101	15	17	2730	60500
TLK300--95/106	95	106	15	17	3050	64200
TLK300-100/114	100	114	18.7	21	4200	84000
TLK300-110/124	110	124	18.7	21	5150	93600
TLK300-120/134	120	134	18.7	21	6050	100800
TLK300-130/148	130	148	25.3	28	9600	147600
TLK300-140/158	140	158	25.3	28	11000	158500
TLK300-150/168	150	168	25.3	28	12900	172000

Sizes up to TLK300-540/590 available on request

All dimensions in mm unless otherwise stated

NAISMITH Engineering & Manufacturing Co. Pty. Ltd.

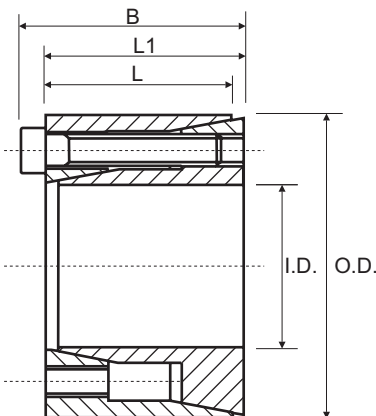


TLK350 (self-centering)

Consists of one inside and one outside cone ring, which are joined by a set of screws. It is suitable for medium to high torques and is self-centering. The TLK350 is a very small and light weight design. Applications which require a very precise axial positioning are not recommended, owing to a small axial displacement of the hub during the assembly operation. Available for shaft diameters from 6 to 50 mm.

Characteristics

Medium-low torque
Easy mounting
Very quick installation
Few clamping screws



Part No.	I.D.	O.D.	L	L1	B	Torque Nm	Axial Force N
TLK350--6/16	6	16	10.5	11.0	13.5	9	3000
TLK350--6.35/16	6.35	16	10.5	11.0	13.5	10	3000
TLK350--7/17	7	17	10.5	11.0	13.5	11	3000
TLK350--8/18	8	18	10.5	11.0	13.5	12	3000
TLK350--9/20	9	20	12.5	13.0	15.5	18	4000
TLK350--9.53/20	9.53	20	12.5	13.0	15.5	19	4000
TLK350-10/20	10	20	12.5	13.0	15.5	20	4000
TLK350-11/22	11	22	12.5	13.0	15.5	22	4000
TLK350-12/22	12	22	12.5	13.0	15.5	24	4000
TLK350-14/26	14	26	16.5	17.0	20.0	42	6000
TLK350-15/28	15	28	16.5	17.0	20.0	44	6000
TLK350-16/32	16	32	16.5	17.0	21.0	83	10400
TLK350-17/35	17	35	20.5	21.0	25.0	88	10400
TLK350-18/35	18	35	20.5	21.0	25.0	93	10400
TLK350-19/35	19	35	20.5	21.0	25.0	99	10400
TLK350-20/38	20	38	20.5	21.0	26.0	170	17000
TLK350-22/40	22	40	20.5	21.0	26.0	187	17000
TLK350-24/47	24	47	25.0	26.0	32.0	287	24000
TLK350-25/47	25	47	25.0	26.0	32.0	299	24000
TLK350-25.4/47	25.4	47	25.0	26.0	32.0	304	24000
TLK350-28/50	28	50	25.0	26.0	32.0	503	36000
TLK350-30/55	30	55	25.0	26.0	32.0	539	36000
TLK350-32/55	32	55	25.0	26.0	32.0	575	36000
TLK350-35/60	35	60	30.0	31.0	37.0	838	48000
TLK350-38/65	38	65	30.0	31.0	37.0	910	48000
TLK350-40/65	40	65	30.0	31.0	37.0	958	48000
TLK350-42/75	42	75	35.0	36.0	44.0	1394	66300
TLK350-45/75	45	75	35.0	36.0	44.0	1493	66300
TLK350-48/80	48	80	35.0	36.0	44.0	2124	88500
TLK350-50/80	50	80	35.0	36.0	44.0	2212	88500

All dimensions in mm unless otherwise stated

Torque = Maximum transmittable torque when axial force is zero.

Axial Force = Maximum axial force when transmittable torque is zero.

For TLK350 use the following tolerances

h8 for the shaft

H8 for the hub

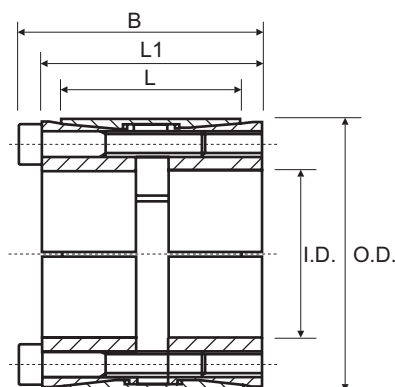
TLK450 (self-centering)

Consists of two biconic rings and two truncated cone rings. It is suitable for very high torques and is self-centering. Ideal for conveyors and many other machine applications
Available for shaft diameter from 25 to 400 mm.



Characteristics

Very high torques
Capacity to withstand bending moments
Standard sizes



Torque = Maximum transmittable torque when axial force is zero.

Axial Force = Maximum axial force when transmittable torque is zero.

For TLK450 use the following tolerances:

h8 for the shaft
H8 for the hub

Part No.	I.D.	O.D.	L	L1	B	Torque Nm	Axial Force N
TLK450--25/50	25	50	39	45	51	950	76000
TLK450--28/55	28	55	39	45	51	1070	76000
TLK450--30/55	30	55	39	45	51	1150	76000
TLK450--35/60	35	60	39	45	51	1340	76000
TLK450--38/65	38	65	39	45	51	1450	76000
TLK450--40/65	40	65	39	45	51	1530	76000
TLK450--42/75	42	75	56	64	72	2970	141000
TLK450--45/75	45	75	56	64	72	3150	141000
TLK450--48/80	48	80	56	64	72	4000	166000
TLK450--50/80	50	80	56	64	72	4150	166000
TLK450--55/85	55	85	56	64	72	4550	166000
TLK450--60/90	60	90	56	64	72	6200	207000
TLK450--65/95	65	95	56	64	72	6750	207000
TLK450--70/110	70	110	70	78	88	11550	330000
TLK450--75/115	75	115	70	78	88	12350	330000
TLK450--80/120	80	120	70	78	88	15800	396000
TLK450--85/125	85	125	70	78	88	16800	396000
TLK450--90/130	90	130	70	78	88	17800	396000
TLK450--95/135	95	135	70	78	88	18800	396000
TLK450-100/145	100	145	90	100	112	28800	576000
TLK450-110/155	110	155	90	100	112	31700	576000
TLK450-120/165	120	165	90	100	112	40300	673000
TLK450-130/180	130	180	104	116	130	51400	791000
TLK450-140/190	140	190	104	116	130	64600	923000
TLK450-150/200	150	200	104	116	130	79100	1055000
TLK450-160/210	160	210	104	116	130	84400	1055000
TLK450-170/225	170	225	134	146	162	109000	1283000
TLK450-180/235	180	235	134	146	162	132000	1466000
TLK450-190/250	190	250	134	146	162	139000	1466000
TLK450-200/260	200	260	134	146	162	146500	1466000
TLK450-220/285	220	285	134	146	162	201500	1833000
TLK450-240/305	240	305	134	146	162	242000	2017000
TLK450-260/325	260	325	134	146	162	262000	2017000
TLK450-280/355	280	355	165	177	197	400000	2862000
TLK450-300/375	300	375	165	177	197	472000	3148000

Sizes up to TLK450-400/495 available on request.

All dimensions in mm unless otherwise stated

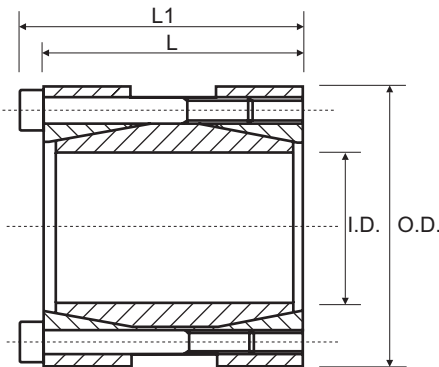


TLK500 (rigid coupling)

Consists of one inside and two outside cone rings, which are joined by a set of screws. This locking device is designed as a rigid coupling to join the shafts of the same size. TLK500 is also available to suit shafts of different sizes on request. Available for shaft diameters from 16 to 80 mm.

Characteristics

Medium high torque
 Few tightening screws
 Easy installation
 Economical



Part No.	I.D.	O.D.	L	L1	Torque Nm	Axial Force N
TLK500-16/45	16	45	50	56	190	24000
TLK500-17/50	17	50	50	56	200	24000
TLK500-18/50	18	50	50	56	220	24000
TLK500-19/50	19	50	50	56	230	24000
TLK500-20/50	20	50	50	56	240	24000
TLK500-22/55	22	55	60	66	260	24000
TLK500-24/55	24	55	60	66	290	24000
TLK500-25/55	25	55	60	66	450	36000
TLK500-28/60	28	60	60	66	510	36000
TLK500-30/60	30	60	60	66	550	36000
TLK500-32/75	32	75	60	68	720	45000
TLK500-35/75	35	75	75	83	790	45000
TLK500-38/75	38	75	75	83	850	45000
TLK500-40/75	40	75	75	83	900	45000
TLK500-42/90	42	90	75	83	1400	67000
TLK500-45/90	45	90	85	93	1520	67000
TLK500-48/90	48	90	85	93	1620	67000
TLK500-50/90	50	90	85	93	1690	67000
TLK500-55/105	55	105	85	93	2470	90000
TLK500-60/105	60	105	85	93	2710	90000
TLK500-65/105	65	105	85	93	2930	90000
TLK500-70/125	70	125	100	110	3770	107000
TLK500-75/125	75	125	100	110	4030	107000
TLK500-80/125	80	125	100	110	4300	107000

All dimensions in mm unless otherwise stated

Torque = Maximum transmittable torque when axial force is zero.

Axial Force = Maximum axial force when transmittable torque is zero.

For TLK500 use the following tolerances

h8 for the shaft

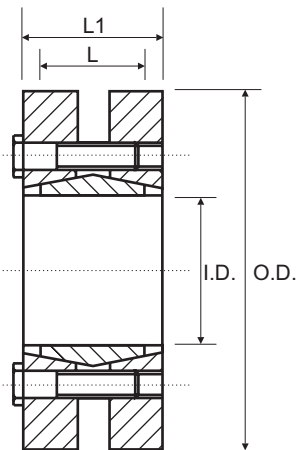


TLK603 (shrink disc)

Consists of one inside and two outside cone rings, which are joined by a set of screws. It is suitable for medium high torques. TLK603 locking bush is used for clamping a hollow shaft to a standard shaft. Available for hollow shaft diameters from 14 to 480 mm.

Characteristics

- Medium-high torque
- No shaft-hub axial movement
- Quick installation
- Quick dismantling



Part No.	I.D.	O.D.	S.D.*	L	L1	Torque Nm	Axial Force N
TLK603--14/38	14	38	12	7	11	50	9000
TLK603--16/41	16	41	14	11	15	90	13000
TLK603--18/43	18	43	15	11	15	90	23000
TLK603--24/50	24	50	21	14	19.5	250	29000
TLK603--30/60	30	60	26	16	21.5	380	33000
TLK603--36/72	36	72	31	18	23.5	630	58000
TLK603--44/80	44	80	36	20	25.5	860	77000
TLK603--50/90	50	90	42	22	27.5	1380	92000
TLK603--55/100	55	100	48	23	30.5	1880	97000
TLK603--62/110	62	110	52	23	30.5	2400	117000
TLK603--68/115	68	115	60	23	30.5	3150	120000
TLK603--75/138	75	138	65	25	32.5	3950	155000
TLK603--80/145	80	145	70	25	32.5	4600	158000
TLK603--85/155	85	155	75	30	39	7400	216000
TLK603--90/155	90	155	75	30	39	7250	210000
TLK603-100/170	100	170	80	34	44	9000	240000
TLK603-110/185	110	185	85	39	50	10800	262000
TLK603-115/188	115	188	90	39	50	11100	269000
TLK603-120/215	120	215	90	42	54	14500	340000
TLK603-125/215	125	215	95	42	54	15000	352000
TLK603-130/215	130	215	100	42	54	15400	362000
TLK603-140/230	140	230	105	46	60.5	20100	425000
TLK603-155/265	155	265	115	50	64.5	28000	509000
TLK603-160/265	160	265	120	50	64.5	28800	520000
TLK603-165/290	165	290	125	56	71	39000	655000
TLK603-170/290	170	290	130	56	71	40100	670000
TLK603-175/300	175	300	135	56	71	45000	675000
TLK603-180/300	180	300	140	56	71	46300	885000
TLK603-185/330	185	330	145	71	86	62000	861000
TLK603-190/330	190	330	150	71	86	63800	885000
TLK603-195/350	195	350	155	71	86	81500	1071000
TLK603-200/350	200	350	160	71	86	86000	1080000
TLK603-220/370	220	370	170	88	104	110000	1290000
TLK603-240-405	240	405	190	92	109	156000	1675000
TLK603-260/430	260	430	210	103	120	205000	2010000
TLK603-280/460	280	460	230	114	134	270000	2350000
TLK603-300/485	300	485	245	122	142	315000	2636000

Torque = Maximum transmittable torque when axial force is zero.

Axial Force = Maximum axial force when transmittable torque is zero.

For TLK603 use the following tolerances

From 18 - 30 mm dw H6/j6
 From 30 - 50 mm dw H6/h6
 From 50 - 80 mm dw H6/g6
 From 80 - 500 mm dw H7/g6

All dimensions in mm unless otherwise stated

*S.D.: The maximum shaft diameter. Smaller shaft diameters can be used at reduced Torque and Axial Force.

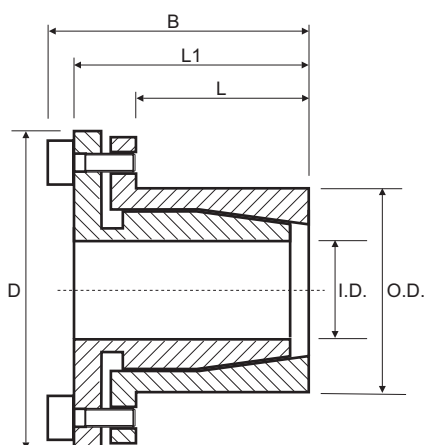


ETP-K Locking Bushes

Consists of two conical pieces. It has minimum overall dimensions in virtue of the reduced thickness of the cones; so, ETP-K is suitable for applications where small hubs are requested. ETP-K guarantees a very precise axial positioning, as no axial displacement of the hub occurs during the assembly operation. Available for shaft diameters from 6 to 40 mm. Some imperial bore sizes are also available

Characteristics

Medium-high torque
 Restricted hub diameter
 Quick installation
 Very low surface pressure



Part No.	I.D.	O.D.	L	L1	B	D	Torque Nm	Axial Force N
ETP-K-6	6	12	10	20	24	25	5.9	1950
ETP-K-7	7	12	10	20	24	25	6.8	1950
ETP-K-8	8	15	12	24	28	28	23	5900
ETP-K-9	9	15	12	24	28	28	26	5900
ETP-K-10	10	18	12	24	28	31	29	5900
ETP-K-11	11	18	12	24	28	31	32	5900
ETP-K-12	12	20	12	24	28	33	47	7800
ETP-K-14	14	22	12	24	28	35	55	7800
ETP-K-15	15	23	14	29	34	39	95	12700
ETP-K-16	16	24	14	29	34	40	100	12700
ETP-K-17	17	26	14	29	34	42	110	12700
ETP-K-18	18	26	14	29	34	42	110	12700
ETP-K-19	19	28	14	29	34	44	120	12700
ETP-K-20	20	28	14	29	34	44	130	12700
ETP-K-22	22	32	16	33	38	48	210	19000
ETP-K-24	24	34	16	33	38	50	230	19000
ETP-K-25	25	34	16	33	38	50	240	19000
ETP-K-28	28	39	20	39	45	62	380	27000
ETP-K-30	30	41	20	39	45	64	400	27000
ETP-K-32	32	43	20	39	45	66	430	27000
ETP-K-35	35	47	22	43	49	70	630	36000
ETP-K-40	40	53	22	43	49	76	720	36000
ETP-K-1/4"	6.35	12	10	20	24	25	6.2	1950
ETP-K-3/8"	9.53	18	12	24	28	31	28	5900
ETP-K-1/2"	12.70	20	12	24	28	33	50	7800
ETP-K-5/8"	15.88	24	14	29	34	40	100	12700
ETP-K-3/4"	19.05	28	14	29	34	44	120	12700

All dimensions in mm unless otherwise stated

Torque = Maximum transmittable torque when axial force is zero.

Axial Force = Maximum axial force when transmittable torque is zero.

For ETP-K use the following tolerances

h8 for the shaft

H8 for the hub

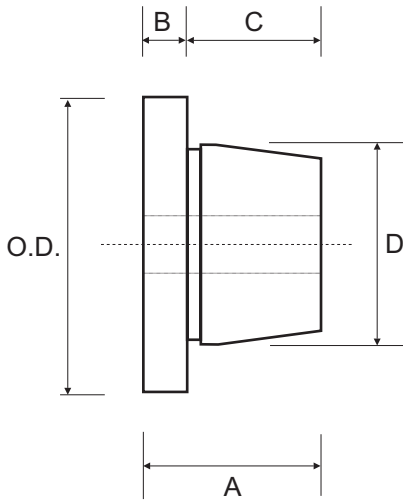


QD Bushes

The taper-bored "QD" item easily fits over the tapered bush and tightening of the cap screws produces a tight fit on the shaft. The bush is easily removed from the hub by using the pull-up bolts as jack screws. Sizes available include QH, JA, SH, SDS, SD, SK, SF, E, F. All bushes are available in pilot bore, and can be re bored to suit the shaft requirements. All bushes "JA" through "F" are drilled for Reverse Mounting.

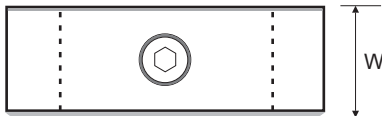
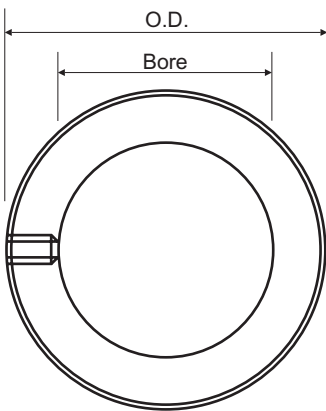
Part No.	Max Bore	O.D.	A	B	C	D	No. Bolts	P.C.D
JA	25	50.5	35.4	7.2	16.6	34.2	2	50.8
QH	30	63.7	34.4	8.8	24.4	41.1	3	42.2
SH	35	68.3	31.9	9.7	21.1	47.3	3	57.2
SDS	41	80.9	33.3	11.1	19.4	55.5	3	68.3
SD	34	80.9	46.1	11.1	32.4	55.5	3	68.3
SK	54	98.2	47.5	12.7	32.2	71.4	3	84.1
SF	59	118.3	50.8	12.7	35.3	79.4	3	98.3
E	73	152.3	66.5	19.4	47.2	96.8	3	127
F	83	168.6	95.7	25.4	69.5	112.4	3	142.9

All dimensions in mm unless otherwise stated





One Piece Solid (Set Screw Type) Metric



Part No.	Bore (mm)	O.D. (mm)	W (mm)	F	SS
MSC-4	4.0	8.0	5.0	✓	✓
MSC-5	5.0	10.0	6.0	✓	✓
MSC-6	6.0	12.0	8.0	✓	✓
MSC-8	8.0	16.0	8.0	✓	✓
MSC-10	10.0	20.0	10.0	✓	✓
MSC-12	12.0	22.0	12.0	✓	✓
MSC-14	14.0	25.0	12.0	✓	✓
MSC-15	15.0	25.0	12.0	✓	✓
MSC-16	16.0	28.0	12.0	✓	✓
MSC-20	20.0	32.0	14.0	✓	✓
MSC-22	22.0	36.0	14.0	✓	✓
MSC-25	25.0	40.0	16.0	✓	✓
MSC-28	28.0	45.0	16.0	✓	✓
MSC-30	30.0	45.0	16.0	✓	✓
MSC-32	32.0	50.0	16.0	✓	✓
MSC-35	35.0	56.0	16.0	✓	✓
MSC-38	38.0	56.0	16.0	✓	✓
MSC-40	40.0	63.0	18.0	✓	✓
MSC-45	45.0	70.0	18.0	✓	✓
MSC-50	50.0	80.0	18.0	✓	✓

✓ Stocked Size

- Forged socket set screws.
- Additional sizes available.

- Bore tolerances:

Bore	Tolerances
All	+ .01mm + .05mm

-Width tolerance

All	+ .08mm - .25mm
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Set screw collars are most effective when used on a shaft made of a material that is softer than the set screw. Ruland set screw collars are furnished exclusively with forged socket set screws for greater torque capacity and improved holding power. Forging of the stainless steel set screws has the additional benefit of work hardening, which results in stainless steel with elevated hardness and performance.

Steel - Black Oxide (F)

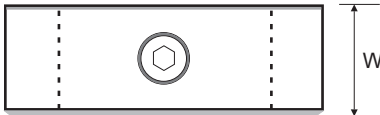
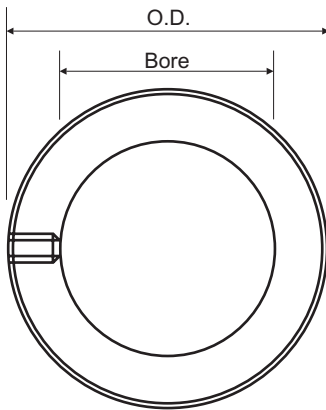
Cold drawn bar. Hot process black oxide, impregnated with naphthnic oil, centrifugal dried.

Stainless Steel (SS)

Stainless Steel Grade 303 austenitic, non-magnetic bar with a bright finish.



One Piece Solid (Set Screw Type) Inch



Part No.	Bore (in)	O.D. (in)	W (in)	F	A	SS	P
SC-3	0.1875	0.438	0.250	✓	✓	✓	✓
SC-4	0.2500	0.500	0.281	✓	✓	✓	✓
SC-5	0.3125	0.625	0.344	✓	✓	✓	✓
SC-6	0.3750	0.750	0.375	✓	✓	✓	✓
SC-7	0.4375	0.875	0.438	✓	✓	✓	✓
SC-8	0.5000	1.000	0.438	✓	✓	✓	✓
SC-10	0.6250	1.125	0.500	✓	✓	✓	✓
SC-12	0.7500	1.250	0.563	✓	✓	✓	✓
SC-14	0.8750	1.500	0.563	✓		✓	✓
SC-16	1.0000	1.625	0.625	✓		✓	✓
SC-18	1.1250	1.750	0.625	✓		✓	✓
SC-20	1.2500	2.000	0.688	✓		✓	✓
SC-22	1.3750	2.125	0.750	✓		✓	
SC-24	1.5000	2.250	0.750	✓		✓	✓
SC-26	1.6250	2.500	0.813	✓		✓	
SC-28	1.7500	2.750	0.875	✓		✓	
SC-30	1.8750	2.750	0.875	✓		✓	
SC-32	2.0000	3.000	0.875	✓		✓	

✓ Stocked Size

Set screw collars are most effective when used on a shaft made of a material that is softer than the set screw. Ruland set screw collars are furnished exclusively with forged socket set screws for greater torque capacity and improved holding power. Forging of the stainless steel set screws has the additional benefit of work hardening, which results in stainless steel with elevated hardness and performance.

Steel - Black Oxide (F)

Cold drawn bar. Hot process black oxide, impregnated with naphthnic oil, centrifugal dried.

Aluminium (A)

2024-T351 bar with a bright finish.

Stainless Steel (SS)

Stainless Steel Grade 303 austenitic, non-magnetic bar with a bright finish.

Acetal (P)

Delrin 150E (White) with a plain finish

- Forged socket set screws.
- Additional sizes available.

- Bore tolerances:

Bore	Tolerance
Up to 1"	+ .0005" + .002"

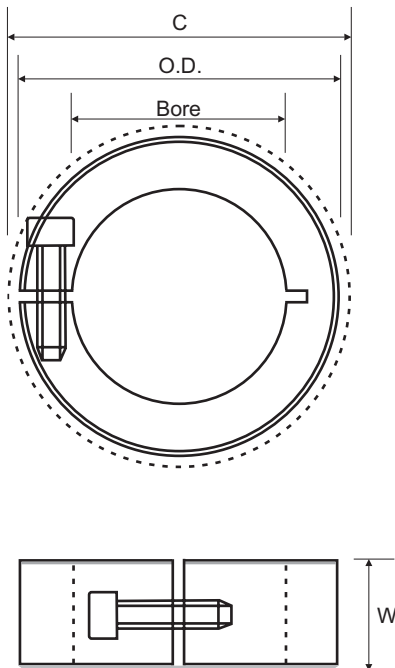
1.1/8" to 2"	+ .0005" + .003"
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-Width tolerance:

All	+ .003" - .010"
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One Piece Split (Clamp Type) Metric



Part No.	Bore (mm)	O.D. (mm)	C (mm)	W (mm)	F	FZ	A	SS	P
MCL-4	4.0	16.0	20.8	9.0	✓	∧	✓	✓	✓
MCL-5	5.0	16.0	20.8	9.0	✓	∧	✓	✓	✓
MCL-6	6.0	16.0	20.8	9.0	✓	∧	✓	✓	✓
MCL-8	8.0	18.0	22.4	9.0	✓	∧	✓	✓	✓
MCL-10	10.0	24.0	26.3	9.0	✓	∧	✓	✓	✓
MCL-12	12.0	28.0	32.0	11.0	✓	∧	✓	✓	✓
MCL-14	14.0	30.0	33.7	11.0	✓	∧	✓	✓	
MCL-15	15.0	34.0	39.3	13.0	✓	∧	✓	✓	✓
MCL-16	16.0	34.0	39.3	13.0	✓	∧	✓	✓	✓
MCL-19	19.0	40.0	47.4	15.0	✓	∧	✓	✓	
MCL-20	20.0	40.0	47.4	15.0	✓	∧	✓	✓	✓
MCL-22	22.0	42.0	49.5	15.0	✓	∧	✓	✓	✓
MCL-24	24.0	45.0	52.1	15.0	✓	∧	✓	✓	
MCL-25	25.0	45.0	52.1	15.0	✓	∧	✓	✓	✓
MCL-28	28.0	48.0	54.7	15.0	✓	∧	✓	✓	✓
MCL-30	30.0	54.0	59.2	15.0	✓	∧	✓	✓	✓
MCL-32	32.0	54.0	59.2	15.0	✓	∧	✓	✓	
MCL-35	35.0	57.0	62.4	15.0	✓	∧	✓	✓	
MCL-38	38.0	60.0	65.6	15.0	✓	∧	✓	✓	
MCL-40	40.0	60.0	65.6	15.0	✓	∧	✓	✓	
MCL-42	42.0	73.0	80.1	19.0	✓	∧	✓	✓	
MCL-45	45.0	73.0	80.1	19.0	✓	∧	✓	✓	
MCL-48	48.0	78.0	84.7	19.0	✓	∧	✓	✓	
MCL-50	50.0	78.0	84.7	19.0	✓	∧	✓	✓	

✓ Stocked Size

∧ Available on request

- Does not mar the shaft.
- Single point faced.
- Balanced versions available.
- Additional sizes available.

-Width tolerance:

All +.08 mm
-.25 mm

One-piece clamp style collars wrap around the shaft for even greater distribution of clamping forces. This results in a tight fit and greater holding power, without the shaft damage caused by set screws. Ruland uses carefully selected materials and proprietary processes to ensure that the clamping gap remains open for simpler and more precise adjustment.

Steel - Black Oxide (F)

Cold drawn bar. Hot process black oxide, impregnated with naphthenic oil, centrifugal dried.

Steel - Zinc Plated (FZ)

Cold drawn bar. Type II zinc Yellow Chromate Bright Finish plating.

Aluminium (A)

2024-T351 bar with a bright finish.

Stainless Steel (SS)

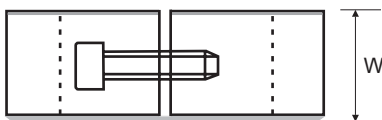
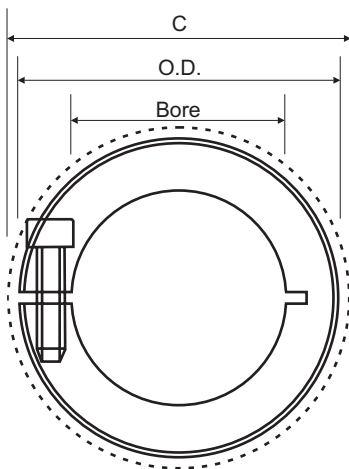
Stainless Steel Grade 303 austenitic, non-magnetic bar with a bright finish.

Acetal (P)

Delrin 150E (White) with a plain finish



One Piece Split (Clamp Type) Inch



Part No.	Bore (in)	O.D. (in)	C (in)	W (in)	F	FZ	A	SS	P
CL-2	0.1250	0.625	0.773	0.281	✓	∧	✓	✓	
CL-3	0.1875	0.625	0.773	0.281	✓	∧	✓	✓	✓
CL-4	0.2500	0.625	0.773	0.281	✓	∧	✓	✓	✓
CL-5	0.3125	0.688	0.838	0.281	✓	∧	✓	✓	✓
CL-6	0.3750	0.875	1.027	0.343	✓	∧	✓	✓	✓
CL-7	0.4375	0.938	1.080	0.343	✓	∧	✓	✓	✓
CL-8	0.5000	1.125	1.281	0.406	✓	∧	✓	✓	✓
CL-10	0.6250	1.313	1.500	0.437	✓	∧	✓	✓	✓
CL-12	0.7500	1.500	1.808	0.500	✓	∧	✓	✓	✓
CL-14	0.8750	1.625	1.916	0.500	✓	∧	✓	✓	✓
CL-16	1.0000	1.750	2.032	0.500	✓	∧	✓	✓	✓
CL-18	1.1250	1.875	2.140	0.500	✓	∧	✓	✓	✓
CL-20	1.2500	2.063	2.295	0.500	✓	∧	✓	✓	✓
CL-22	1.3750	2.250	2.465	0.563	✓	∧	✓	✓	✓
CL-24	1.5000	2.375	2.578	0.563	✓	∧	✓	✓	✓
CL-26	1.6250	2.625	2.935	0.688	✓	∧	✓	✓	✓
CL-28	1.7500	2.750	3.046	0.688	✓	∧	✓	✓	✓
CL-30	1.8750	2.875	3.160	0.688	✓	∧	✓	✓	✓
CL-32	2.0000	3.000	3.273	0.688	✓	∧	✓	✓	✓

✓ Stocked Size

∧ Available on request

One-piece clamp style collars wrap around the shaft for even greater distribution of clamping forces. This results in a tight fit and greater holding power, without the shaft damage caused by set screws. Ruland uses carefully selected materials and proprietary processes to ensure that the clamping gap remains open for simpler and more precise adjustment.

- Does not mar the shaft.
- Single point faced.
- Balanced versions available.
- Additional sizes available.

-Width tolerance:
All +.003"
-.010"

Steel - Black Oxide (F)

Cold drawn bar. Hot process black oxide, impregnated with naphthenic oil, centrifugal dried.

Steel - Zinc Plated (FZ)

Cold drawn bar. Type II zinc Yellow Chromate Bright Finish plating.

Aluminium (A)

2024-T351 bar with a bright finish.

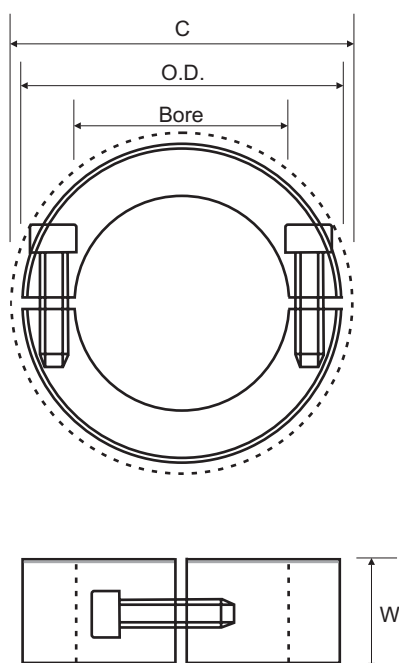
Stainless Steel (SS)

Stainless Steel Grade 303 austenitic, non-magnetic bar with a bright finish.

Acetal (P)

Delrin 150E (White) with a plain finish

Two Piece Split (Clamp Type) Metric



Part No.	Bore (mm)	O.D. (mm)	C (mm)	W (mm)	F	FZ	A	SS	P
MSP-4	4.0	16.0	20.8	9.0	✓	∧	✓	✓	✓
MSP-5	5.0	16.0	20.8	9.0	✓	∧	✓	✓	✓
MSP-6	6.0	16.0	20.8	9.0	✓	∧	✓	✓	✓
MSP-8	8.0	18.0	22.4	9.0	✓	∧	✓	✓	✓
MSP-10	10.0	24.0	26.3	9.0	✓	∧	✓	✓	✓
MSP-12	12.0	28.0	32.0	11.0	✓	∧	✓	✓	✓
MSP-14	14.0	30.0	33.7	11.0	✓	∧	✓	✓	
MSP-15	15.0	34.0	39.3	13.0	✓	∧	✓	✓	✓
MSP-16	16.0	34.0	39.3	13.0	✓	∧	✓	✓	✓
MSP-19	19.0	40.0	47.4	15.0	✓	∧	✓	✓	
MSP-20	20.0	40.0	47.4	15.0	✓	∧	✓	✓	✓
MSP-22	22.0	42.0	49.5	15.0	✓	∧	✓	✓	✓
MSP-25	25.0	45.0	52.1	15.0	✓	∧	✓	✓	✓
MSP-28	28.0	48.0	54.7	15.0	✓	∧	✓	✓	✓
MSP-30	30.0	54.0	59.2	15.0	✓	∧	✓	✓	✓
MSP-32	32.0	54.0	59.2	15.0	✓	∧	✓	✓	
MSP-35	35.0	57.0	62.4	15.0	✓	∧	✓	✓	
MSP-38	38.0	60.0	65.6	15.0	✓	∧	✓	✓	
MSP-40	40.0	60.0	65.6	15.0	✓	∧	✓	✓	
MSP-42	42.0	73.0	80.1	19.0	✓	∧	✓	✓	
MSP-45	45.0	73.0	80.1	19.0	✓	∧	✓	✓	
MSP-48	48.0	78.0	84.7	19.0	✓	∧	✓	✓	
MSP-50	50.0	78.0	84.7	19.0	✓	∧	✓	✓	

✓ Stocked Size

∧ Available on request

- Does not mar the shaft.
- Single point faced.
- Available with keyways.
- Opposing screws available.
- Additional sizes available.

-Width tolerance:

All +.08 mm
-.25 mm

Two-piece clamp style collars offer the same benefits of the one-piece collars with additional versatility and convenience. They are easily disassembled, reducing labour and downtime when adjustment, removal or replacement is necessary. Ruland keeps both halves of its two-piece collars together throughout the manufacturing process to assure a perfect match for proper fit, holding power and alignment.

Steel - Black Oxide (F)

Cold drawn bar. Hot process black oxide, impregnated with naphthenic oil, centrifugal dried.

Steel - Zinc Plated (FZ)

Cold drawn bar. Type II zinc Yellow Chromate Bright Finish plating.

Aluminium (A)

2024-T351 bar with a bright finish.

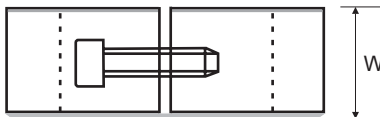
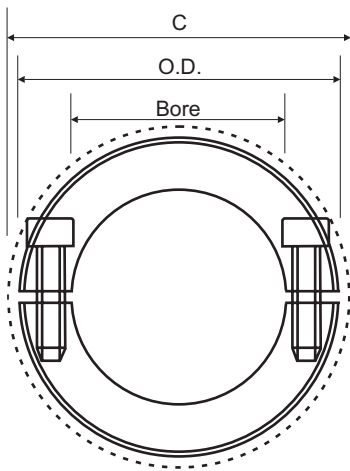
Stainless Steel (SS)

Stainless Steel Grade 303 austenitic, non-magnetic bar with a bright finish.

Acetal (P)

Delrin 150E (White) with a plain finish

Two Piece Split (Clamp Type) Inch



Part No.	Bore (in)	O.D. (in)	C (in)	W (in)	F	FZ	A	SS	P
SP-2	0.1250	0.625	0.773	0.281	✓	∧	✓	✓	
SP-3	0.1875	0.625	0.773	0.281	✓	∧	✓	✓	✓
SP-4	0.2500	0.625	0.773	0.281	✓	∧	✓	✓	✓
SP-5	0.3125	0.688	0.838	0.281	✓	∧	✓	✓	✓
SP-6	0.3750	0.875	1.027	0.343	✓	∧	✓	✓	✓
SP-7	0.4375	0.938	1.080	0.343	✓	∧	✓	✓	✓
SP-8	0.5000	1.125	1.281	0.406	✓	∧	✓	✓	✓
SP-10	0.6250	1.313	1.500	0.437	✓	∧	✓	✓	✓
SP-12	0.7500	1.500	1.808	0.500	✓	∧	✓	✓	✓
SP-14	0.8750	1.625	1.916	0.500	✓	∧	✓	✓	✓
SP-16	1.0000	1.750	2.032	0.500	✓	∧	✓	✓	✓
SP-18	1.1250	1.875	2.140	0.500	✓	∧	✓	✓	✓
SP-20	1.2500	2.063	2.295	0.500	✓	∧	✓	✓	✓
SP-22	1.3750	2.250	2.465	0.563	✓	∧	✓	✓	✓
SP-24	1.5000	2.375	2.578	0.563	✓	∧	✓	✓	✓
SP-26	1.6250	2.625	2.935	0.688	✓	∧	✓	✓	✓
SP-28	1.7500	2.750	3.046	0.688	✓	∧	✓	✓	✓
SP-30	1.8750	2.875	3.160	0.688	✓	∧	✓	✓	✓
SP-32	2.0000	3.000	3.273	0.688	✓	∧	✓	✓	✓

✓ Stocked Size

∧ Available on request

Two-piece clamp style collars offer the same benefits of the one-piece collars with additional versatility and convenience. They are easily disassembled, reducing labour and downtime when adjustment, removal or replacement is necessary. Ruland keeps both halves of its two-piece collars together throughout the manufacturing process to assure a perfect match for proper fit, holding power and alignment.

- Does not mar the shaft.
- Single point faced.
- Available with keyways.
- Opposing screws available.
- Additional sizes available.

-Width tolerance:

All +.003"
 -.010"

Steel - Black Oxide (F)

Cold drawn bar. Hot process black oxide, impregnated with naphthenic oil, centrifugal dried.

Steel - Zinc Plated (FZ)

Cold drawn bar. Type II zinc Yellow Chromate Bright Finish plating.

Aluminium (A)

2024-T351 bar with a bright finish.

Stainless Steel (SS)

Stainless Steel Grade 303 austenitic, non-magnetic bar with a bright finish.

Acetal (P)

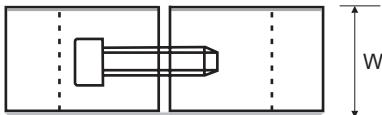
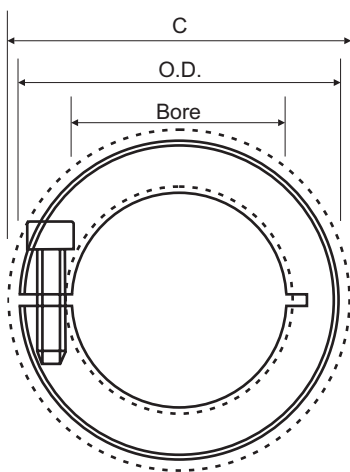
Delrin 150E (White) with a plain finish



Threaded One Piece Split (Clamp Type) Metric

Part No.	Thread	Pitch (mm)	O.D. (mm)	C (mm)	W (mm)	F	SS
MTCL-4-0.7	M4	0.7	16.0	20.8	9.0	✓	✓
MTCL-5-0.8	M5	0.8	16.0	20.8	9.0	✓	✓
MTCL-6-1	M6	1.0	16.0	20.8	9.0	✓	✓
MTCL-8-1.25	M8	1.3	18.0	22.4	9.0	✓	✓
MTCL-10-1.5	M10	1.5	24.0	26.3	9.0	✓	✓
MTCL-12-1.75	M12	1.8	28.0	32.0	11.0	✓	✓
MTCL-16-2	M16	2.0	34.0	39.3	13.0	✓	✓
MTCL-20-2.5	M20	2.5	40.0	47.4	15.0	✓	✓
MTCL-24-3	M24	3.0	45.0	52.1	15.0	✓	✓
MTCL-30-3.5	M30	3.5	54.0	59.2	15.0	✓	✓

✓ Stocked Size



Clamp style collars with threaded bores are also available. Threaded collars provide axial holding power superior to smooth bore collars, while offering easier installation and adjustment than solid ring locking devices.

Steel - Black Oxide (F)

Cold drawn bar. Hot process black oxide, impregnated with naphthnic oil, centrifugal dried.

Stainless Steel (SS)

Stainless Steel Grade 303 austenitic, non-magnetic bar with a bright finish.

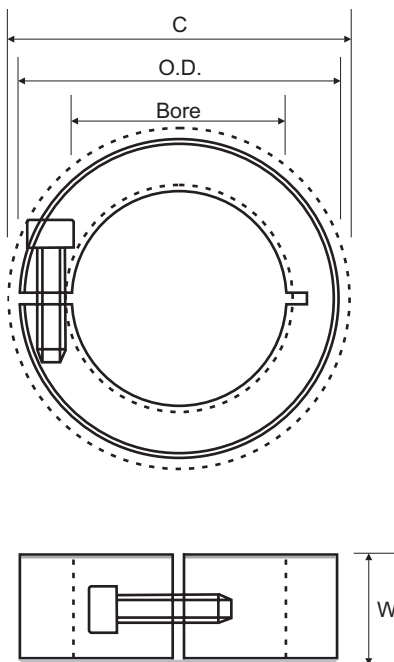
- Does not mar the shaft.
- Single point faced.
- Acme and Left-hand threads available.
- Additional sizes available.

-Width tolerance:

All +.08 mm
 -.25 mm



Threaded One Piece Split (Clamp Type) Inch



- Does not mar the shaft.
- Single point faced.
- Acme and Left-hand threads available.
- Additional sizes available.

-Width tolerance:
 All +.003"
 - .010"

Part No.	Bore (in)	T.P.I.	O.D. (in)	C (in)	W (in)	F	SS
TCL-2-32	#8 UNC	32	0.6250	0.773	0.281	✓	✓
TCL-3-24	#10 UNC	24	0.6250	0.773	0.281	✓	✓
TCL-3-32	#10 UNF	32	0.6250	0.773	0.281	✓	✓
TCL-4-20	0.2500 UNC	20	0.6250	0.773	0.281	✓	✓
TCL-4-28	0.2500 UNF	28	0.6250	0.773	0.281	✓	✓
TCL-5-18	0.3125 UNC	18	0.6875	0.838	0.281	✓	✓
TCL-5-24	0.3125 UNF	24	0.6875	0.838	0.281	✓	✓
TCL-6-16	0.3750 UNC	16	0.8750	1.027	0.343	✓	✓
TCL-6-24	0.3750 UNF	24	0.8750	1.027	0.343	✓	✓
TCL-7-14	0.4375 UNC	14	0.9375	1.080	0.343	✓	✓
TCL-7-20	0.4375 UNF	20	0.9375	1.080	0.343	✓	✓
TCL-8-13	0.5000 UNC	13	1.1250	1.281	0.406	✓	✓
TCL-8-20	0.5000 UNF	20	1.1250	1.281	0.406	✓	✓
TCL-10-11	0.6250 UNC	11	1.3125	1.500	0.437	✓	✓
TCL-10-18	0.6250 UNF	18	1.3125	1.500	0.437	✓	✓
TCL-12-10	0.7500 UNC	10	1.5000	1.808	0.500	✓	✓
TCL-12-16	0.7500 UNF	16	1.5000	1.808	0.500	✓	✓
TCL-14-9	0.8750 UNC	09	1.6250	1.916	0.500	✓	✓
TCL-14-14	0.8750 UNF	14	1.6250	1.916	0.500	✓	✓
TCL-16-8	1.0000 UNC	08	1.7500	2.032	0.500	✓	✓
TCL-16-12	1.0000 UNF	12	1.7500	2.032	0.500	✓	✓
TCL-16-14	1.0000 UNS	14	1.7500	2.032	0.500	✓	✓
TCL-18-7	1.1250 UNC	07	1.8750	2.140	0.500	✓	✓
TCL-18-12	1.1250 UNF	12	1.8750	2.140	0.500	✓	✓
TCL-20-7	1.2500 UNC	07	2.0625	2.295	0.500	✓	✓
TCL-20-12	1.2500 UNF	12	2.0625	2.295	0.500	✓	✓
TCL-22-6	1.3750 UNC	06	2.2500	2.465	0.563	✓	✓
TCL-22-12	1.3750 UNF	12	2.2500	2.465	0.563	✓	✓
TCL-24-6	1.5000 UNC	06	2.3750	2.578	0.563	✓	✓
TCL-24-12	1.5000 UNF	12	2.3750	2.578	0.563	✓	✓
TCL-28-16	1.7500 UNS	16	2.7500	3.046	0.688	✓	✓
TCL-32-12	2.0000 UN	12	3.0000	3.273	0.688	✓	✓
TCL-36-12	2.2500 UN	12	3.2500	3.504	0.750	✓	✓

✓ Stock Size

Clamp style collars with threaded bores are also available. Threaded collars provide axial holding power superior to smooth bore collars, while offering easier installation and adjustment than solid ring locking devices.

Steel - Black Oxide (F)

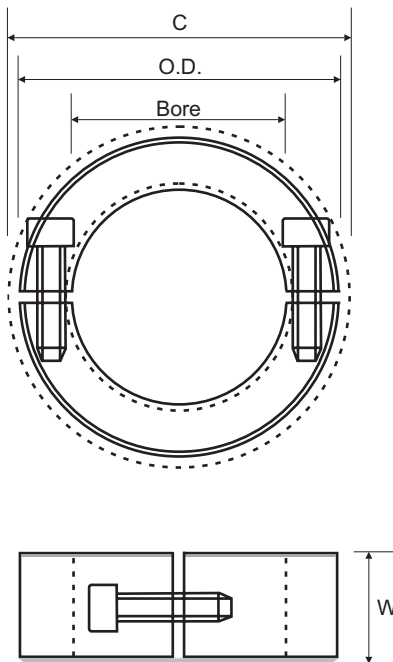
Cold drawn bar. Hot process black oxide, impregnated with naphthnic oil, centrifugal dried.

Stainless Steel (SS)

Stainless Steel Grade 303 austenitic, non-magnetic bar with a bright finish.



Threaded Two Piece Split (Clamp Type) Inch



- Does not mar the shaft.
- Single point faced.
- Acme and Left-hand threads available.
- Opposing screws available.
- Additional sizes available.

-Width tolerance:

All +.003"
 -.010"

Part No.	Thread (in)	T.P.I.	O.D. (in)	C (in)	W (in)	F	SS
TSP-2-32	#8 UNC	32	0.625	0.773	0.281	Λ	Λ
TSP-3-24	#10 UNC	24	0.625	0.773	0.281	Λ	Λ
TSP-3-32	#10 UNF	32	0.625	0.773	0.281	Λ	Λ
TSP-4-20	0.2500 UNC	20	0.625	0.773	0.281	Λ	Λ
TSP-4-28	0.2500 UNF	28	0.625	0.773	0.281	Λ	Λ
TSP-5-18	0.3125 UNC	18	0.688	0.838	0.281	Λ	Λ
TSP-5-24	0.3125 UNF	24	0.688	0.838	0.281	Λ	Λ
TSP-6-16	0.3750 UNC	16	0.875	1.027	0.343	Λ	Λ
TSP-6-24	0.3750 UNF	24	0.875	1.027	0.343	Λ	Λ
TSP-7-14	0.4375 UNC	14	0.938	1.080	0.343	Λ	Λ
TSP-7-20	0.4375 UNF	20	0.938	1.080	0.343	Λ	Λ
TSP-8-13	0.5000 UNC	13	1.125	1.281	0.406	Λ	Λ
TSP-8-20	0.5000 UNF	20	1.125	1.281	0.406	Λ	Λ
TSP-10-11	0.6250 UNC	11	1.313	1.500	0.437	Λ	Λ
TSP-10-18	0.6250 UNF	18	1.313	1.500	0.437	Λ	Λ
TSP-12-10	0.7500 UNC	10	1.500	1.808	0.500	Λ	Λ
TSP-12-16	0.7500 UNF	16	1.500	1.808	0.500	Λ	Λ
TSP-14-9	0.8750 UNC	09	1.625	1.916	0.500	Λ	Λ
TSP-14-14	0.8750 UNF	14	1.625	1.916	0.500	Λ	Λ
TSP-16-8	1.0000 UNC	08	1.750	2.032	0.500	Λ	Λ
TSP-16-12	1.0000 UNF	12	1.750	2.032	0.500	Λ	Λ
TSP-16-14	1.0000 UNS	14	1.750	2.032	0.500	Λ	Λ
TSP-18-7	1.1250 UNC	07	1.875	2.140	0.500	Λ	Λ
TSP-18-12	1.1250 UNF	12	1.875	2.140	0.500	Λ	Λ
TSP-20-7	1.2500 UNC	07	2.063	2.295	0.500	Λ	Λ
TSP-20-12	1.2500 UNF	12	2.063	2.295	0.500	Λ	Λ
TSP-22-6	1.3750 UNC	06	2.250	2.465	0.563	Λ	Λ
TSP-22-12	1.3750 UNF	12	2.250	2.465	0.563	Λ	Λ
TSP-24-6	1.5000 UNC	06	2.375	2.578	0.563	Λ	Λ
TSP-24-12	1.5000 UNF	12	2.375	2.578	0.563	Λ	Λ
TSP-28-16	1.7500 UNS	16	2.750	3.046	0.688	Λ	Λ
TSP-32-12	2.0000 UN	12	3.000	3.273	0.688	Λ	Λ
TSP-36-12	2.2500 UN	12	3.250	3.504	0.750	Λ	Λ

Λ Available on request

Clamp style collars with threaded bores are also available. Threaded collars provide axial holding power superior to smooth bore collars, while offering easier installation and adjustment than solid ring locking devices.

Steel - Black Oxide (F)

Cold drawn bar. Hot process black oxide, impregnated with naphthnic oil, centrifugal dried.

Stainless Steel (SS)

Stainless Steel Grade 303 austenitic, non-magnetic bar with a bright finish.

Notes



Sprocket in both B.S. A.S.A. - Plates, Simplex, Duplex & Triplex. Chain in B.S. A.S.A. Conveyor & Special chains.



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Variable speed pulleys.
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