



KULKARNI TRANSPOWER PVT. LTD.

Manufacturer of Power Transmission Products.
Keyless Clamping Elements



KULKARNI TRANSPOWER PVT. LTD.

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Website : www.ktppl.com

ABOUT US :

We are pleased to introduce our self-KULKARNI TRANSPower PVT. LTD as a leading manufacturer and exporter of Power Transmission Products.

We are exporting our Power Transmission Products to Germany, Spain, Brazil, UK, USA, Turkey, Denmark, Australia, and many countries.

About 25% of our Power Transmission Products production, we are exporting to Europe.

All these Customers are satisfied with our quality, and we are getting repeat orders from them.

Our all Power Transmission Products are equivalent to any German Coupling manufacturer.

Regarding Pricewise, we are much better economical than our all competitors.

Regarding delivery, we are lightning fast.

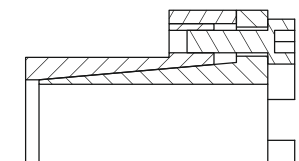
We have a huge stock of Power Transmission Products of all types and sizes.

Following are some prestigious customers.

- Machine Tool Manufacturers.
- Printing / Packaging Machine Manufacturers.
- Router / Laser Cutting Machine Manufacturers.
- Diamond Laser Cutting Machine Manufacturers.
- Plastic Injection Moulding Machine Manufacturers.
- Textile Machine Manufacturers.
- Conveyor Manufacturers.
- Crushing Machine Manufacturers.

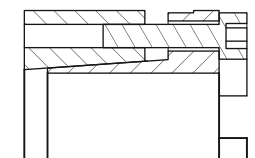
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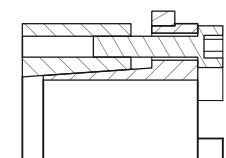
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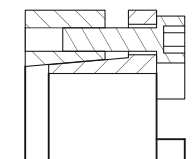
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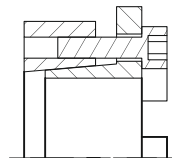
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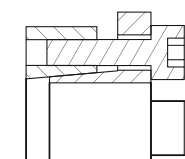
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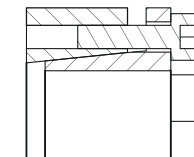
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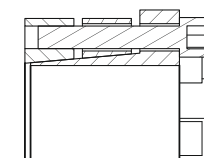
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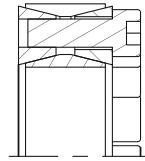
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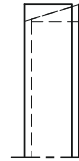
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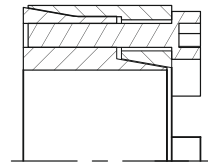
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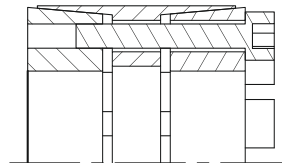
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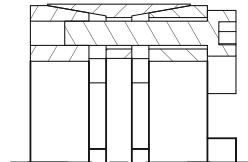
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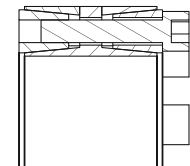
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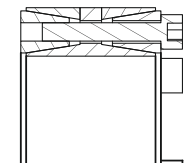
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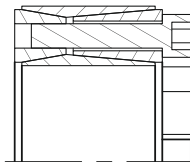
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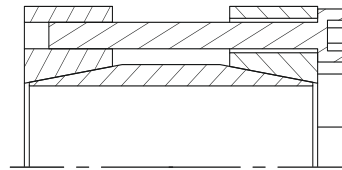
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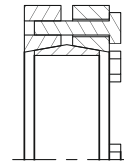
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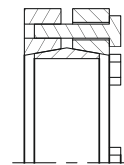
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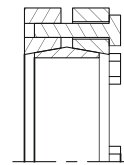
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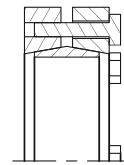
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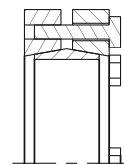
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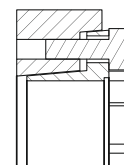
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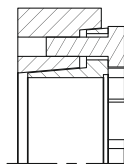
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KTPPL110 Keyless Clamping Element



This is 3 piece + clamping bolts keyless clamping element.

This is very compact Keyless Clamping Element. This can be used in case of less space availability.

BENEFITS:

- Maintains the concentricity of Shaft and Hub.
- Suitable for medium to high Torque.
- Creates less Surface Pressure.
- Due to stopper ring, it avoids axial displacement of Hub.
- Torque transmission ranges from 17 Nm to 18000 Nm for standard sizes.
- Shaft diameter ranges from 6 mm to 120 mm for standard sizes.
- Compact
- Easy assembly and easy dismantling.
- Suitable for thin wall tubes.
- Suitable for high radial loads.

REQUIREMENTS:

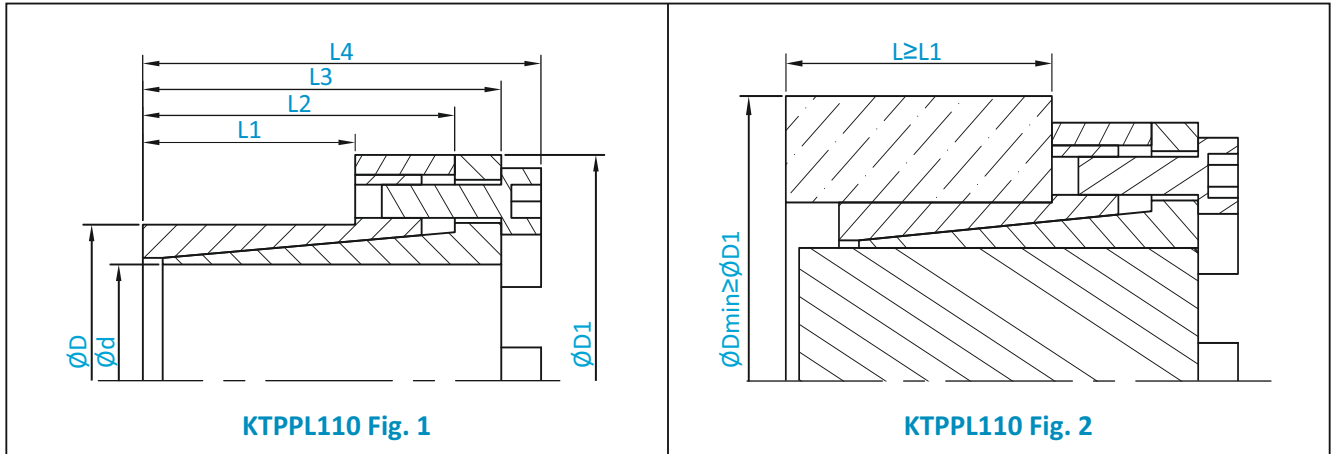
- Shaft diameter tolerance: h8
- Hub diameter tolerance: H8
- Surface finish of Shaft and Hub: $Ra \leq 3.2 \mu m$
- Fitting surface free from any grease / lubrication oil / molybdenum disulphide base oil
- Screw tightening as per recommended screw tightening torque.

Ordering Code : KTPPL110 d x D

KTPPL110 : Series Code

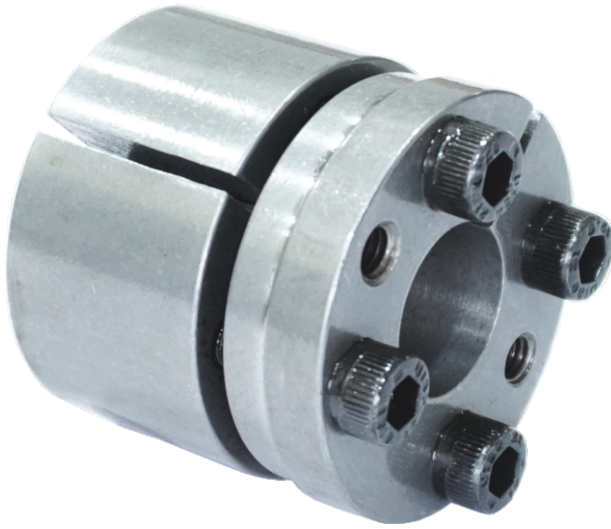
d : Inner Diameter

D : Outer Diameter



Dimension Details mm						Torque Mt Nm	Axial Force Fax KN	Surface Pressure		Screw Details		
								Shaft Pw N/mm ²	Hub Pn N/mm ²	Size	No.	Tightening Torque Nm
Ød x ØD	L1	L2	L3	L4	ØD1							
6x14	10	19	21	24	25	17	5.8	256	111	M3	4	2
8x15	12	22	25	29	27	31	7.8	217	116	M4	3	5
9x16	14	23	26	30	28	47	10	220	124	M4	4	5
10x16	14	23	26	30	29	52	10	198	124	M4	4	5
11x18	14	23	26	30	32	57	10	180	111	M4	4	5
12x18	14	23	26	30	32	62	10	165	111	M4	4	5
14x23	14	23	26	30	38	70	10	142	86	M4	4	5
15x24	16	29	36	42	44	181	24	262	165	M6	4	17
16x24	16	29	36	42	44	191	24	246	165	M6	4	17
17x26	18	31	38	44	47	201	24	206	135	M6	4	17
18x26	18	31	38	44	47	211	24	195	135	M6	4	17
19x27	18	31	38	44	48	221	24	185	130	M6	4	17
20x28	18	31	38	44	49	241	24	175	126	M6	4	17
22x32	25	38	45	51	54	261	24	115	79	M6	4	17
24x34	25	38	45	51	56	281	24	106	74	M6	4	17
25x34	25	38	45	51	56	302	24	102	74	M6	4	17
28x39	25	38	45	51	61	503	35	136	97	M6	6	17
30x41	25	38	45	51	62	533	35	127	92	M6	6	17
32x43	25	38	45	51	65	764	47	158	118	M6	8	17
35x47	30	43	50	56	69	834	47	121	89	M6	8	17
38x50	30	43	50	56	72	905	47	111	84	M6	8	17
40x53	30	43	50	56	75	945	47	106	79	M6	8	17
42x55	32	50	57	65	78	1809	86	172	131	M8	8	42
45x59	40	57	65	73	85	1960	86	129	97	M8	8	42
48x62	45	62	70	78	87	2060	86	107	82	M8	8	42
50x65	45	62	70	78	92	2714	111	129	98	M8	10	42
55x71	50	67	75	83	98	3015	111	105	81	M8	10	42
60x77	50	67	75	83	104	3216	111	96	75	M8	10	42
65x84	50	67	75	83	111	3518	111	88	69	M8	10	42
70x90	60	80	91	101	119	5930	171	109	84	M10	10	83
75x95	60	80	91	101	126	6432	171	102	80	M10	10	83
80x100	65	85	96	106	131	8241	201	105	84	M10	12	83
85x106	65	85	96	106	137	8744	201	98	79	M10	12	83
90x112	65	85	96	106	143	11558	251	117	93	M10	15	83
95x120	65	85	96	106	153	12161	251	111	87	M10	15	83
100x125	65	89	102	114	162	15075	302	124	98	M12	12	144
110x140	90	114	128	140	180	16583	302	81	64	M12	12	144
120x155	90	114	128	140	198	18090	302	74	57	M12	12	144

KTPPL130 Keyless Clamping Element



This is 2 piece + clamping bolts keyless clamping element.

This is very compact Keyless Clamping Element. This can be used in case of less space availability.

BENEFITS:

- Maintains very good concentricity and perpendicularity of Shaft and Hub.
- Suitable for high to very high Torque.
- Creates medium Surface Pressure.
- Very less Axial displacement of Hub.
- Torque transmission ranges from 490 Nm to 135000 Nm for standard sizes.
- Shaft diameter ranges from 18 mm to 240 mm for standard sizes.
- Compact
- Easy assembly and easy dismantling.
- Suitable for high radial loads.
- Suitable for high RPM.

REQUIREMENTS:

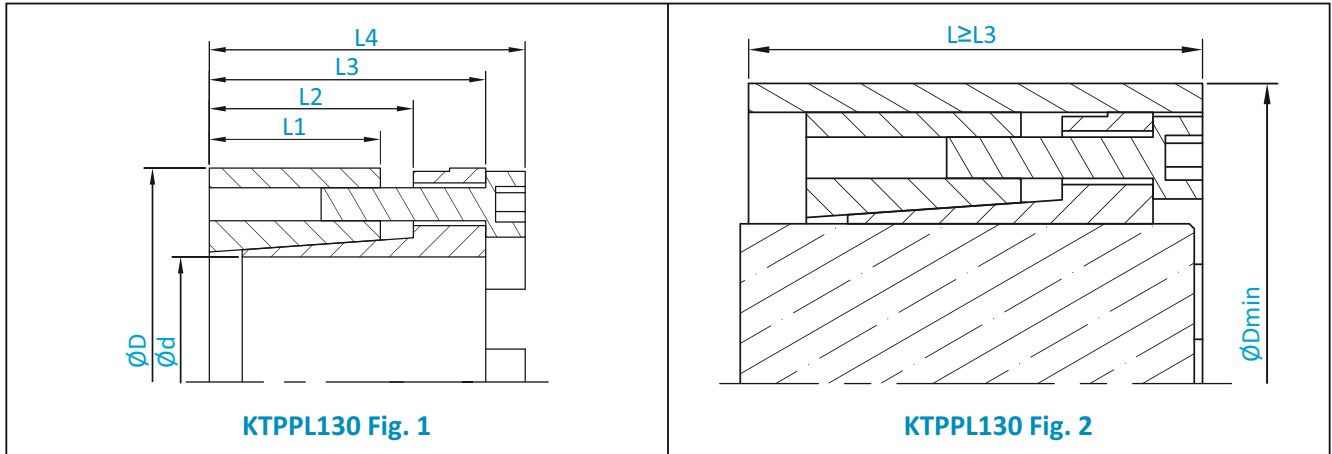
- Shaft diameter tolerance: h8
- Hub diameter tolerance: H8
- Surface finish of Shaft and Hub: $Ra \leq 3.2 \mu m$
- Fitting surface free from any grease / lubrication oil / molybdenum disulphide base oil
- Screw tightening as per recommended screw tightening torque.

Ordering Code : KTPPL130 d x D

KTPPL130 : Series Code

d : Inner Diameter

D : Outer Diameter



Dimension Details mm					Torque Mt Nm	Axial Force Fax KN	Surface Pressure		Screw Details		
							Shaft Pw N/mm ²	Hub Pn N/mm ²	Size	No.	Tightening Torque Nm
Ød x ØD	L1	L2	L3	L4							
18x47	26	30	41	47	492	55	312	120	M6	6	17
19x47	26	30	41	47	513	55	295	120	M6	6	17
20x47	26	31	42	48	583	58	295	127	M6	6	17
22x47	26	31	42	48	633	58	269	127	M6	6	17
24x50	26	31	42	48	693	58	246	119	M6	6	17
25x50	26	31	42	48	724	58	237	119	M6	6	17
28x55	26	31	42	48	814	58	211	108	M6	6	17
30x55	26	31	42	48	864	58	197	108	M6	6	17
32x60	26	31	42	48	1256	77	246	132	M6	8	17
35x60	26	31	42	48	1357	77	225	132	M6	8	17
38x65	26	31	42	48	1457	77	208	122	M6	8	17
40x65	26	31	42	48	1558	77	197	122	M6	8	17
42x75	30	35	51	59	2211	111	223	126	M8	6	42
45x75	30	35	51	59	2362	111	208	126	M8	6	42
48x80	30	35	51	59	3417	141	260	157	M8	8	42
50x80	30	35	51	59	3518	141	250	157	M8	8	42
55x85	30	35	51	59	3920	141	227	147	M8	8	42
60x90	30	35	51	59	4221	141	208	139	M8	8	42
65x95	30	35	51	59	4623	141	192	132	M8	8	42
70x110	40	45	60	70	7739	221	211	135	M10	8	83
75x115	40	45	60	70	8342	221	197	135	M10	8	83
80x120	40	45	60	70	8844	221	185	124	M10	8	83
85x125	40	45	60	70	11759	281	217	148	M10	10	83
90x130	40	45	60	70	12462	281	205	142	M10	10	83
95x135	40	45	60	70	13065	281	194	137	M10	10	83
100x145	45	52	68	80	16080	322	193	134	M12	8	144
110x155	45	52	68	80	18090	322	176	125	M12	8	144
120x165	45	52	68	80	24623	412	201	147	M12	10	144
130x180	45	52	68	80	31658	492	222	161	M12	12	144
140x190	50	58	76	90	39195	563	212	157	M14	10	229
150x200	50	58	76	90	50250	673	237	178	M14	12	229
160x210	50	58	76	90	53768	673	223	170	M14	12	229
170x225	50	58	76	90	66330	784	244	185	M14	14	229
180x235	50	58	76	90	70350	784	231	177	M14	14	229
190x250	50	58	76	90	76531	806	225	171	M14	15	229
200x260	50	58	76	90	85928	859	228	176	M14	16	229
210x270	50	58	76	90	90249	859	217	169	M14	16	229
220x285	64	72	94	110	98540	895	169	131	M16	12	355
240x305	64	72	94	110	134369	1120	193	152	M16	15	355

KTPPL131 Keyless Clamping Element



This is 3 piece + clamping bolts keyless clamping element.

BENEFITS:

- Maintains the concentricity and perpendicularity of Shaft and Hub.
- Suitable for high to very high Torque.
- Creates normal Surface Pressure.
- Due to stopper ring no Axial displacement of Hub.
- Torque transmission ranges from 490 Nm to 43500 Nm for standard sizes.
- Shaft diameter ranges from 18 mm to 180 mm for standard sizes.
- Compact
- Easy assembly and easy dismantling.
- Suitable for high radial loads.
- Suitable for high RPM.
- High level of axial run-out accuracy.

REQUIREMENTS:

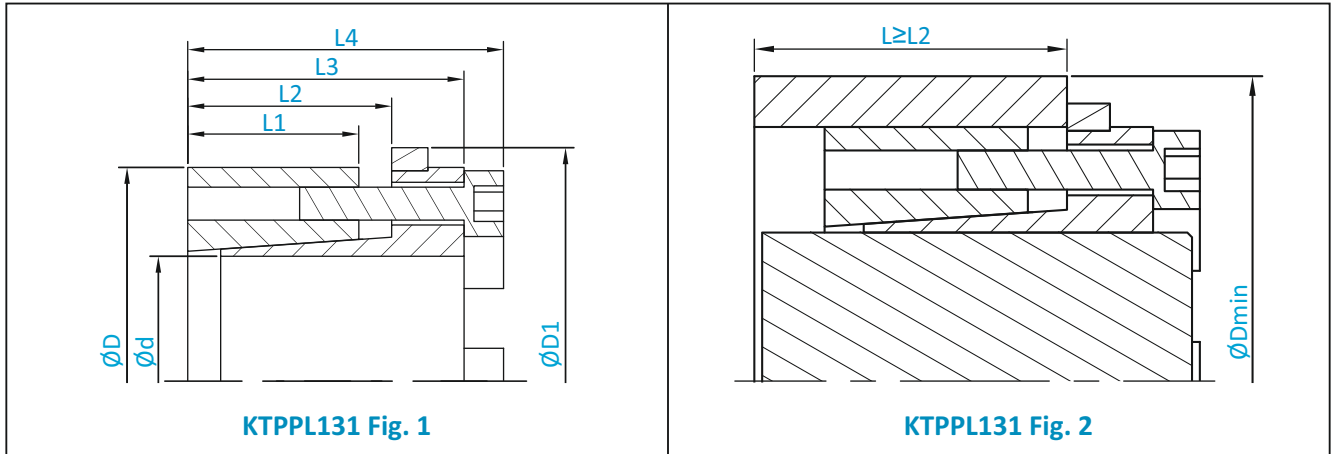
- Shaft diameter tolerance: h8
- Hub diameter tolerance: H8
- Surface finish of Shaft and Hub: $R_a \leq 3.2 \mu m$
- Fitting surface free from any grease / lubrication oil / molybdenum disulphide base oil
- Screw tightening as per recommended screw tightening torque.

Ordering Code : KTPPL131 d x D

KTPPL131 : Series Code

d : Inner Diameter

D : Outer Diameter



Dimension Details mm						Torque Mt Nm	Axial Force Fax KN	Surface Pressure		Screw Details		
								Shaft	Hub	Size	No.	Tightening Torque Nm
Ød x ØD	L1	L2	L3	L4	ØD1			Pw N/mm ²	Pn N/mm ²			
18x47	26	30	41	47	53	492	55	312	120	M6	6	17
19x47	26	30	41	47	53	513	55	295	120	M6	6	17
20x47	26	31	42	48	53	352	35	182	77	M6	6	17
22x47	26	31	42	48	53	392	35	166	77	M6	6	17
24x50	26	31	42	48	56	432	35	152	73	M6	6	17
25x50	26	31	42	48	56	442	35	146	73	M6	6	17
28x55	26	31	42	48	61	503	35	131	66	M6	6	17
30x55	26	31	42	48	61	533	35	122	66	M6	6	17
32x60	26	31	42	48	66	764	47	152	81	M6	8	17
35x60	26	31	42	48	66	834	47	139	81	M6	8	17
38x65	26	31	42	48	71	905	47	128	75	M6	8	17
40x65	26	31	42	48	71	945	47	122	75	M6	8	17
42x75	30	35	51	59	81	1357	65	138	77	M8	6	42
45x75	30	35	51	59	81	1457	65	129	77	M8	6	42
48x80	30	35	51	59	86	2060	86	160	96	M8	8	42
50x80	30	35	51	59	86	2161	86	154	96	M8	8	42
55x85	30	35	51	59	91	2362	86	140	90	M8	8	42
60x90	30	35	51	59	96	2613	86	129	85	M8	8	42
65x95	30	35	51	59	101	2814	86	119	81	M8	8	42
70x110	40	45	60	70	119	4824	141	130	82	M10	8	83
75x115	40	45	60	70	124	5126	141	122	79	M10	8	83
80x120	40	45	60	70	129	5427	141	114	76	M10	8	83
85x125	40	45	60	70	134	7236	171	134	91	M10	10	83
90x130	40	45	60	70	139	7638	171	127	87	M10	10	83
95x135	40	45	60	70	144	8141	171	120	84	M10	10	83
100x145	45	52	68	80	155	10050	201	119	82	M12	8	144
110x155	45	52	68	80	165	11055	201	109	76	M12	8	144
120x165	45	52	68	80	175	15075	251	124	90	M12	10	144
130x180	45	52	68	80	188	19598	302	137	99	M12	12	144
140x190	50	58	76	90	199	24120	342	131	96	M14	10	229
150x200	50	58	76	90	209	31155	412	147	110	M14	12	229
160x210	50	58	76	90	219	33165	412	137	105	M14	12	229
170x225	50	58	76	90	234	40703	482	151	114	M14	14	229
180x235	50	58	76	90	244	43215	482	143	110	M14	14	229

KTPPL132 Keyless Clamping Element



This is 2 piece + clamping bolts keyless clamping element.

This is very compact Keyless Clamping Element. This can be used in case of less space availability.

BENEFITS :

- Maintains the concentricity and perpendicularity of Shaft and Hub.
- Suitable for medium to high Torque.
- Creates medium Surface Pressure.
- Very less axial displacement of Hub.
- Torque transmission ranges from 340 Nm to 66000 Nm for standard sizes.
- Shaft diameter ranges from 18 mm to 200 mm for standard sizes.
- Compact / short length
- Easy assembly and easy dismantling with detaching screws.
- Suitable for high radial loads.
- Suitable for high RPM.

REQUIREMENTS :

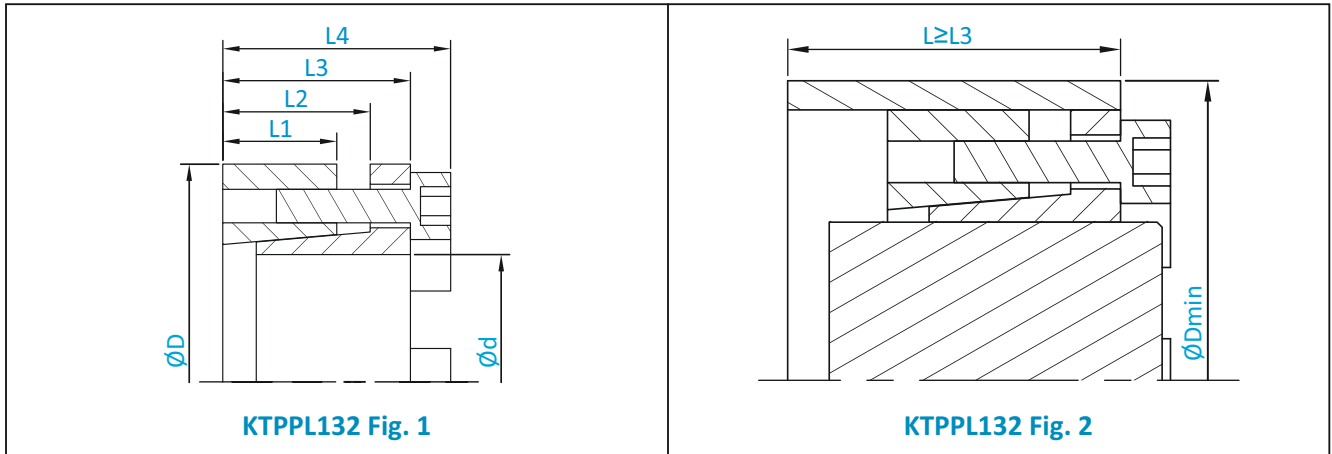
- Shaft diameter tolerance: h8
- Hub diameter tolerance: H8
- Surface finish of Shaft and Hub: $Ra \leq 3.2 \mu m$
- Fitting surface free from any grease / lubrication oil / molybdenum disulphide base oil
- Screw tightening as per recommended screw tightening torque.

Ordering Code : KTPPL132 d x D

KTPPL132 : Series Code

d : Inner Diameter

D : Outer Diameter



Dimension Details mm					Torque Mt Nm	Axial Force Fax KN	Surface Pressure		Screw Details		
							Shaft	Hub	Size	No.	Tightening Torque Nm
							Pw N/mm ²	Pn N/mm ²			
Ød x ØD	L1	L2	L3	L4							
18x47	17	22	28	34	340	40	328	127	M6	5	14
19x47	17	22	28	34	355	40	310	127	M6	5	14
20x47	17	22	28	34	455	47	354	152	M6	6	14
22x47	17	22	28	34	495	47	322	152	M6	6	14
24x50	17	22	28	34	545	47	295	143	M6	6	14
25x50	17	22	28	34	565	47	283	143	M6	6	14
28x55	17	22	28	34	635	47	253	130	M6	6	14
30x55	17	22	28	34	675	47	236	130	M6	6	14
32x60	17	22	28	34	965	62	295	158	M6	8	14
35x60	17	22	28	34	1060	62	270	158	M6	8	14
38x65	17	22	28	34	1150	62	249	146	M6	8	14
40x65	17	22	28	34	1210	62	236	146	M6	8	14
42x75	20	25	33	41	2420	120	368	209	M8	8	35
45x75	20	25	33	41	2590	120	344	209	M8	8	35
48x80	20	25	33	41	2770	120	323	196	M8	8	35
50x80	20	25	33	41	2880	120	310	196	M8	8	35
55x85	20	25	33	41	3170	120	283	185	M8	8	35
60x90	20	25	33	41	3465	120	259	175	M8	8	35
65x95	20	25	33	41	4215	134	269	186	M8	9	35
70x110	24	30	40	50	6315	186	290	186	M10	8	70
75x115	24	30	40	50	6765	186	271	178	M10	8	70
80x120	24	30	40	50	7215	186	254	171	M10	8	70
85x125	24	30	40	50	9615	236	303	210	M10	10	70
90x130	24	30	40	50	10210	236	287	202	M10	10	70
95x135	24	30	40	50	10760	236	273	195	M10	10	70
100x145	26	32	44	56	13510	279	284	199	M12	8	125
110x155	26	32	44	56	14810	279	259	187	M12	8	125
120x165	26	32	44	56	18210	312	267	197	M12	9	125
130X1801	34	40	54	66	26260	413	252	185	M12	12	125
40x190	34	40	54	68	27860	407	231	173	M14	9	190
150x200	34	40	54	68	33160	452	240	182	M14	10	190
160x210	34	40	54	68	42460	540	268	207	M14	12	190
170x225	44	50	64	78	45110	540	198	152	M14	12	190
180x235	44	50	64	78	47760	540	187	146	M14	12	190
190x250	44	50	64	78	62960	672	220	170	M14	15	190
200x260	44	50	64	78	66310	672	210	164	M14	15	190

KTPPL133 Keyless Clamping Element



This is 2 piece + clamping bolts keyless clamping element.

BENEFITS:

- Maintains the concentricity and perpendicularity of Shaft and Hub.
- Suitable for medium to high Torque.
- Creates medium Surface Pressure.
- Due to stopper no axial displacement of Hub.
- Torque transmission ranges from 332 Nm to 66500 Nm for standard sizes.
- Shaft diameter ranges from 18 mm to 200 mm for standard sizes.
- Compact / Short length
- Easy assembly and easy dismantling with detaching screws.
- Suitable for high radial loads.
- Suitable for high RPM.

REQUIREMENTS:

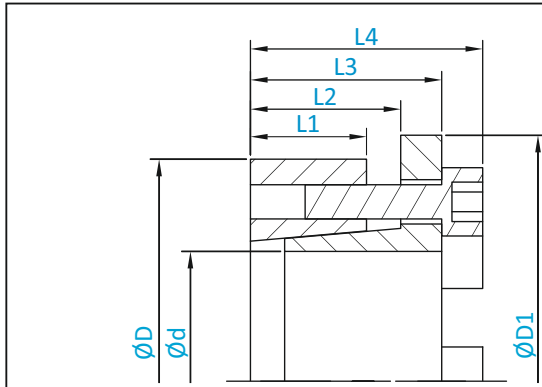
- Shaft diameter tolerance: h8
- Hub diameter tolerance: H8
- Surface finish of Shaft and Hub: $Ra \leq 3.2 \mu m$
- Fitting surface free from any grease / lubrication oil / molybdenum disulphide base oil
- Screw tightening as per recommended screw tightening torque.

Ordering Code : KTPPL133 d x D

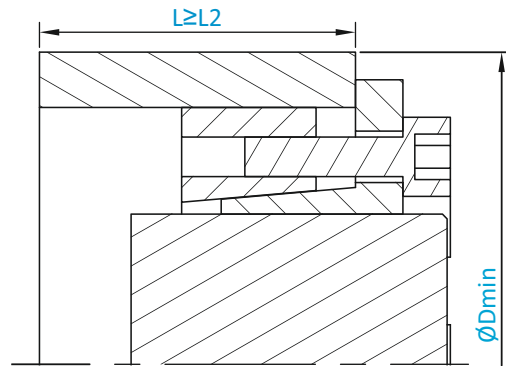
KTPPL133 : Series Code

d : Inner Diameter

D : Outer Diameter



KTPPL133 Fig. 1



KTPPL133 Fig. 2

Dimension Details mm						Torque Mt Nm	Axial Force Fax KN	Surface Pressure		Screw Details		
								Shaft	Hub	Size	No.	Tightening
								Pw N/mm ²	Pn N/mm ²			Torque Nm
$\phi d \times \phi D$	L1	L2	L3	L4	$\phi D1$							
18x47	17	22	28	34	53	332	38	328	126	M6	5	17
19x47	17	22	28	34	53	352	38	310	126	M6	5	17
20x47	17	22	28	34	53	452	45	354	151	M6	6	17
22x47	17	22	28	34	53	492	45	322	151	M6	6	17
24x50	17	22	28	34	56	543	45	294	142	M6	6	17
25x50	17	22	28	34	56	563	45	282	142	M6	6	17
28x55	17	22	28	34	61	633	45	252	129	M6	6	17
30x55	17	22	28	34	61	673	45	235	129	M6	6	17
32x60	17	22	28	34	67	965	60	294	157	M6	8	17
35x60	17	22	28	34	67	1055	60	269	157	M6	8	17
38x65	17	22	28	34	72	1146	60	248	145	M6	8	17
40x65	17	22	28	34	72	1206	60	235	145	M6	8	17
42x75	20	25	33	41	82	2422	116	365	205	M8	8	41
45x75	20	25	33	41	82	2593	116	341	205	M8	8	41
48x80	20	25	33	41	87	2774	116	320	192	M8	8	41
50x80	20	25	33	41	87	2884	116	307	192	M8	8	41
55x85	20	25	33	41	92	3176	116	279	181	M8	8	41
60x90	20	25	33	41	97	3467	116	255	171	M8	8	41
65x95	20	25	33	41	102	4221	130	265	182	M8	9	41
70x110	24	30	40	50	117	6332	182	286	182	M10	8	83
75x115	24	30	40	50	122	6784	182	267	174	M10	8	83
80x120	24	30	40	50	127	7236	182	250	167	M10	8	83
85x125	24	30	40	50	132	9648	227	294	201	M10	10	83
90x130	24	30	40	50	137	10201	227	278	193	M10	10	83
95x135	24	30	40	50	142	10754	227	264	186	M10	10	83
100x145	26	32	44	56	152	13517	270	275	190	M12	8	145
110x155	26	32	44	56	162	14824	270	250	178	M12	8	145
120x165	26	32	44	56	172	18241	304	258	188	M12	9	145
130x180	34	40	54	66	187	26331	405	243	176	M12	12	145
140x190	34	40	54	68	197	27939	399	222	164	M14	9	230
150x200	34	40	54	68	207	33266	444	231	173	M14	10	230
160x210	34	40	54	68	217	42612	533	259	198	M14	12	230
170x225	44	50	64	78	232	45275	533	189	143	M14	12	230
180x235	44	50	64	78	242	47939	533	178	137	M14	12	230
190x250	44	50	64	78	257	63215	665	211	161	M14	15	230
200x260	44	50	64	78	267	66581	665	201	155	M14	15	230

KTPPL134 Keyless Clamping Element



This is 2 piece + clamping bolts keyless clamping element.

BENEFITS:

- Maintains the concentricity and perpendicularity of Shaft and Hub.
- Suitable for high Torque.
- Creates medium Surface Pressure.
- Due to stopper no axial displacement of Hub.
- Torque transmission ranges from 290 Nm to 1800 Nm for standard sizes.
- Shaft diameter ranges from 14 mm to 50 mm for standard sizes.
- Compact
- Easy assembly and easy dismantling with detaching screws.
- Suitable for high radial loads.
- Suitable for high RPM.
- Suitable for assembling combination of hub diameters with various shaft diameters.

REQUIREMENTS:

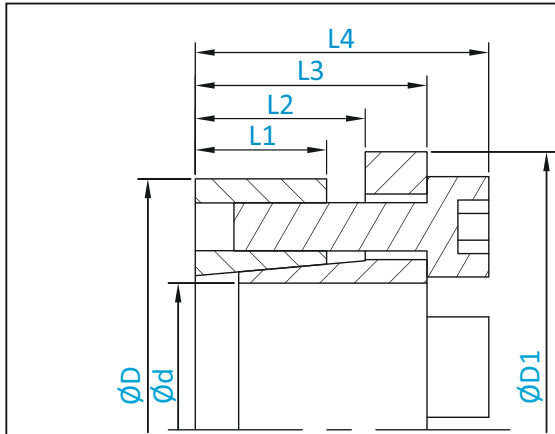
- Shaft diameter tolerance: h8
- Hub diameter tolerance: H8
- Surface finish of Shaft and Hub: $Ra \leq 3.2 \mu m$
- Fitting surface free from any grease / lubrication oil / molybdenum disulphide base oil
- Screw tightening as per recommended screw tightening torque.

Ordering Code : KTPPL134 d x D

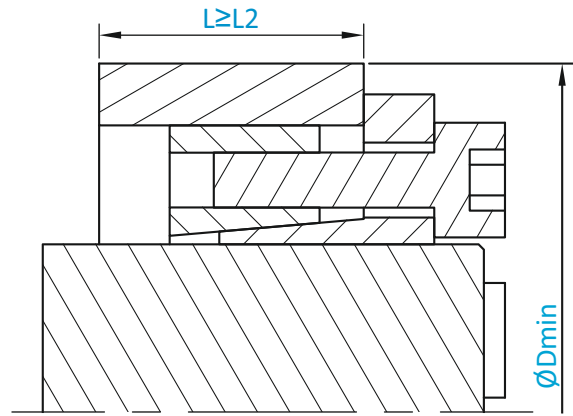
KTPPL134 : Series Code

d : Inner Diameter

D : Outer Diameter



KTPPL134 Fig. 1



KTPPL134 Fig. 2

Dimension Details mm						Torque Mt Nm	Axial Force Fax KN	Surface Pressure		Screw Details		
								Shaft	Hub	Size	No.	Tightening
								Pw N/mm ²	Pn N/mm ²			Torque Nm
Ød x ØD	L1	L2	L3	L4	ØD1							
14x55	17	22	30	38	62	290	42	468	119	M8	4	41
16x55	17	22	30	38	62	340	42	410	119	M8	4	41
18x55	17	22	30	38	62	380	42	364	119	M8	4	41
19x55	17	22	30	38	62	400	42	345	119	M8	4	41
20x55	17	22	30	38	62	420	42	328	119	M8	4	41
22x55	17	22	30	38	62	460	42	298	119	M8	4	41
24x55	17	22	30	38	62	500	42	273	119	M8	4	41
25x55	17	22	30	38	62	530	42	262	119	M8	4	41
28x55	17	22	30	38	62	590	42	234	119	M8	4	41
30x55	17	22	30	38	62	630	42	219	119	M8	4	41
24x65	17	22	30	38	72	630	53	342	126	M8	5	41
25x65	17	22	30	38	72	660	53	328	126	M8	5	41
28x65	17	22	30	38	72	740	53	293	126	M8	5	41
30x65	17	22	30	38	72	790	53	273	126	M8	5	41
32x65	17	22	30	38	72	840	53	256	126	M8	5	41
35x65	17	22	30	38	72	920	53	234	126	M8	5	41
38x65	17	22	30	38	72	1000	53	216	126	M8	5	41
40x65	17	22	30	38	72	1050	53	205	126	M8	5	41
30x80	20	25	33	41	87	1100	74	325	122	M8	7	41
32x80	20	25	33	41	87	1180	74	305	122	M8	7	41
35x80	20	25	33	41	87	1290	74	279	122	M8	7	41
38x80	20	25	33	41	87	1400	74	257	122	M8	7	41
40x80	20	25	33	41	87	1470	74	244	122	M8	7	41
42x80	20	25	33	41	87	1540	74	232	122	M8	7	41
45x80	20	25	33	41	87	1650	74	217	122	M8	7	41
48x80	20	25	33	41	87	1760	74	203	122	M8	7	41
50x80	20	25	33	41	87	1840	74	195	122	M8	7	41

KTPPL135 Keyless Clamping Element



This is 2 piece + clamping bolts keyless clamping element.

BENEFITS:

- Maintains the concentricity and perpendicularity of Shaft and Hub.
- Suitable for medium Torque.
- Creates medium Surface Pressure.
- Less axial displacement of Hub.
- Torque transmission ranges from 294 Nm to 29000 Nm for standard sizes.
- Shaft diameter ranges from 19 mm to 150 mm for standard sizes.
- Compact
- Easy assembly and easy dismantling with detaching screws.
- Suitable for high radial loads.
- Suitable for high RPM.

REQUIREMENTS:

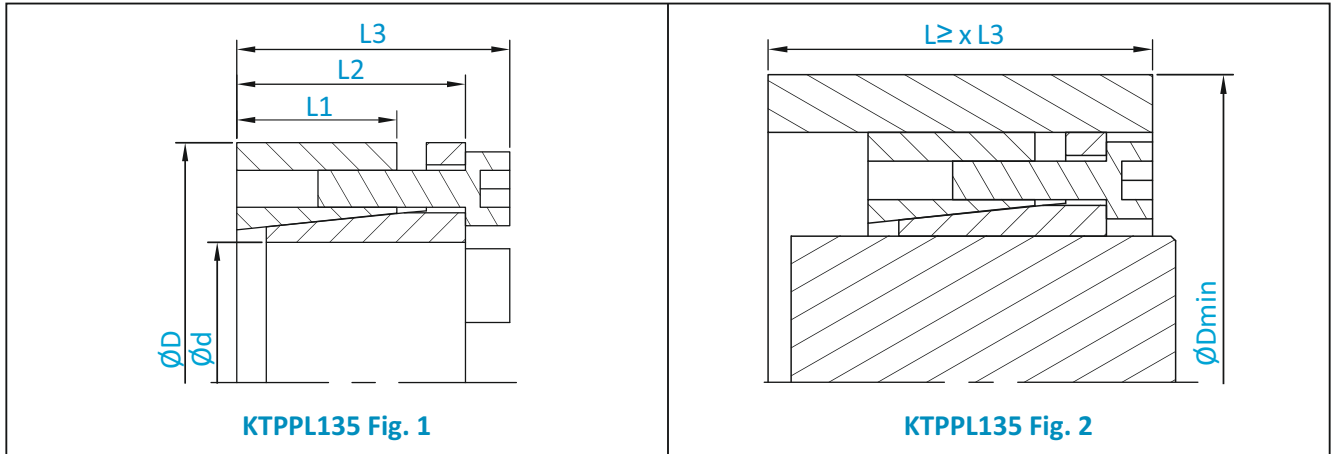
- Shaft diameter tolerance: h8
- Hub diameter tolerance: H8
- Surface finish of Shaft and Hub: $Ra \leq 3.2 \mu m$
- Fitting surface free from any grease / lubrication oil / molybdenum disulphide base oil
- Screw tightening as per recommended screw tightening torque.

Ordering Code : KTPPL135 d x D

KTPPL135 : Series Code

d : Inner Diameter

D : Outer Diameter



Dimension Details mm				Torque Mt Nm	Axial Force Fax KN	Surface Pressure		Screw Details		
						Shaft Pw N/mm ²	Hub Pn N/mm ²	Size	No.	Tightening Torque Nm
Ød x ØD	L1 mm	L2 mm	L3 mm							
19x47	21.7	31	37	294	31	330	90	M6	4	17
20x47	21.7	31	37	309	31	319	90	M6	4	17
22x47	21.7	31	37	340	31	286	90	M6	4	17
24x50	21.7	31	37	433	41	330	111	M6	5	17
25x50	21.7	31	37	453	41	319	111	M6	5	17
28x55	21.7	31	37	505	41	286	101	M6	5	17
30x55	21.7	31	37	546	41	264	101	M6	5	17
32x60	21.7	31	37	762	51	297	111	M6	6	17
35x60	21.7	31	37	834	51	275	111	M6	6	17
38x65	21.7	31	37	917	51	253	101	M6	6	17
40x65	21.7	31	37	968	51	242	101	M6	6	17
42x75	25.3	38	46	1782	81	330	131	M8	6	41
45x75	25.3	38	46	1916	81	319	131	M8	6	41
48x80	25.3	38	46	2039	81	297	131	M8	6	41
50x80	25.3	38	46	2132	81	286	131	M8	6	41
55x85	25.3	38	46	2616	91	297	141	M8	7	41
60x90	25.3	38	46	2853	91	275	131	M8	7	41
65x95	25.3	38	46	3687	111	286	141	M8	8	41
70x110	33.4	50	60	5253	141	264	131	M10	7	83
75x115	33.4	50	60	5624	141	253	121	M10	7	83
80x120	33.4	50	60	6026	141	231	111	M10	7	83
85x125	33.4	50	60	7674	141	253	131	M10	8	83
90x130	33.4	50	60	8137	181	242	121	M10	8	83
95x135	33.4	50	60	10197	211	286	151	M10	10	83
100x145	40.8	58	68	11330	221	209	111	M10	10	83
110x155	40.8	58	68	12463	221	198	111	M10	10	83
120x165	40.8	58	68	16171	261	209	121	M10	12	83
130x180	45.4	65	77	21321	322	209	121	M12	10	145
140x190	45.4	65	77	23175	322	198	111	M12	10	145
150x200	45.4	65	77	29355	382	220	131	M12	12	145

KTPPL136 Keyless Clamping Element



This is 3 piece + clamping bolts keyless clamping element.

This is very compact Keyless Clamping Element. This can be used in case of less space availability.

BENEFITS:

- Maintains the concentricity of Shaft and Hub.
- Maintains very good perpendicularity of Shaft and Hub.
- Suitable for High Torque and High Bending Moments.
- Creates low Surface Pressure.
- Less axial displacement of Hub.
- Torque transmission ranges from 20000 Nm to 106000 Nm for standard sizes.
- Shaft diameter ranges from 100 mm to 600 mm for standard sizes.
- Easy assembly and easy dismantling with detaching screws.

REQUIREMENTS:

- Shaft diameter tolerance: h8
- Hub diameter tolerance: H8
- Surface finish of Shaft and Hub: $Ra \leq 3.2 \mu m$
- Fitting surface free from any grease / lubrication oil / molybdenum disulphide base oil
- Screw tightening as per recommended screw tightening torque.

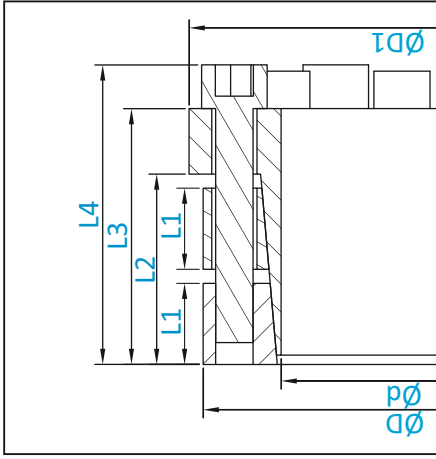
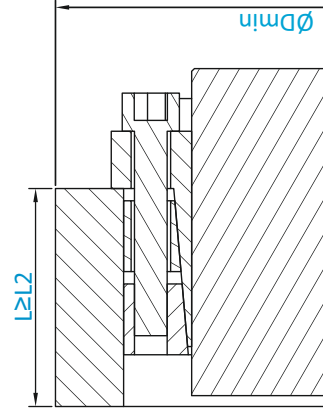
Ordering Code : KTPPL136 d x D

KTPPL136 : Series Code

d : Inner Diameter

D : Outer Diameter

Dimension Details mm					Torque Nm					Axial Force kN				Surface Pressure				Screw 1 Details		Screw 2 Details	
														Shaft		Hub		No. x Size	Tightening Torque Nm	No	Tightening Torque Nm
																Pw 1 N/mm ²	Pw 2 N/mm ²				
Ød x ØD	L1	L2	L3	L4	ØD1	Mt1	Mt2	Mttot	Fax1	Fax2	Faxtot	N/mm ²	N/mm ²	N/mm ²	N/mm ²	Size	Torque	Size	Torque		
100x150	26	61	82	96	159	11484	8543	20160	233.5	171	405	239	175	161	115	7xM14	230	7xM12	145		
110x160	26	61	82	96	169	12672	9347	22166	233.5	171	405	218	159	151	108	7xM14	230	7xM12	145		
120x170	26	61	82	96	179	13761	10251	24172	233.5	171	405	200	146	142	102	7xM14	230	7xM12	145		
130x190	30	71	95	111	199	23760	17286	41324	370.7	268	639	254	183	175	124	8xM16	355	8xM14	230		
140x200	30	71	95	111	209	25641	18693	44634	370.7	268	639	236	170	166	117	8xM16	355	8xM14	230		
150x210	30	71	95	111	219	27423	20000	47743	370.7	268	639	220	159	159	112	8xM16	355	8xM14	230		
160x220	30	71	95	111	229	29304	21306	50952	370.7	268	639	206	149	151	107	8xM16	355	8xM14	230		
170x240	40	92	122	142	249	48609	31557	80742	579.2	372	952	227	146	162	102	8xM20	690	8xM16	355		
180x250	40	92	122	142	259	51480	33467	85556	579.2	372	952	215	138	156	98	8xM20	690	8xM16	355		
190x260	40	92	122	142	269	54351	35276	90270	579.2	372	952	203	131	150	94	8xM20	690	8xM16	355		
200x270	40	92	122	142	279	71478	46532	118856	723.4	466	1190	241	155	180	113	10xM20	690	10xM16	355		
220x290	40	92	122	142	299	78606	51155	130691	723.4	466	1190	219	141	168	105	10xM20	690	10xM16	355		
240x310	40	92	122	142	319	102960	66933	171112	868.7	558	1428	241	155	188	118	12xM20	690	12xM16	355		
260x330	40	92	122	142	339	111573	72461	185354	868.7	558	1428	223	143	177	111	12xM20	690	12xM16	355		
280x365	45	108	144	168	374	143946	101505	247139	1041	726	1768	220	154	170	116	10xM24	1200	10xM20	690		
300x385	45	108	144	168	394	154242	108842	264892	1041	726	1768	206	144	162	110	10xM24	1200	10xM20	690		
320x405	45	108	144	168	414	197505	139394	339215	1249	872	2122	231	161	184	127	12xM24	1200	12xM20	690		
340x425	45	108	144	168	434	244629	172860	420357	1457	1018	2476	254	177	204	141	14xM24	1200	14xM20	690		
360x445	45	108	144	168	454	259083	183011	445131	1457	1018	2476	240	167	195	135	14xM24	1200	14xM20	690		
380x465	45	108	144	168	474	312543	220698	536906	1665	1163	2829	259	181	213	147	16xM24	1200	16xM20	690		
400x485	45	108	144	168	494	329076	232356	565291	1665	1163	2829	247	172	205	141	16xM24	1200	16xM20	690		
420x505	45	108	144	168	514	345510	243914	593475	1665	1163	2829	235	164	197	136	16xM24	1200	16xM20	690		
440x525	59	147	178	202	534	361944	255572	621760	1665	1163	2829	171	144	121	100	16xM24	1200	16xM20	690		
460x545	59	147	178	202	554	378378	267129	649944	1665	1163	2829	164	139	116	96	16xM24	1200	16xM20	690		
480x565	59	147	178	202	574	394812	278787	678229	1665	1163	2829	157	134	111	93	16xM24	1200	16xM20	690		
500x585	59	147	178	202	594	462825	326826	795078	1874	1309	3184	170	145	120	101	18xM24	1200	18xM20	690		
520x605	59	147	178	202	614	481338	339891	826873	1874	1309	3184	163	141	115	97	18xM24	1200	18xM20	690		
540x625	59	147	178	202	634	499851	352956	858668	1874	1309	3184	157	136	111	94	18xM24	1200	18xM20	690		
560x645	59	147	178	202	654	518364	366021	890463	1874	1309	3184	152	132	107	91	18xM24	1200	18xM20	690		
580x665	59	147	178	202	674	596574	421095	1024665	2082	1454	3537	163	142	115	98	20xM24	1200	20xM20	690		
600x685	59	147	178	202	694	617166	435668	1060071	2082	1454	3537	157	138	111	95	20xM24	1200	20xM20	690		


KTPPL136 Fig. 1

KTPPL136 Fig. 2

KTPPL200 Keyless Clamping Element



This is 4 piece + clamping bolts keyless clamping element.

BENEFITS:

- Not self centering.
- Suitable for High Torque and High Bending Moments.
- Creates low Surface Pressure.
- No axial displacement of Hub.
- Torque transmission ranges from 300 Nm to 430000 Nm for standard sizes.
- Shaft diameter ranges from 20 mm to 400 mm for standard sizes.
- Compact
- Easy assembly and easy dismantling with detaching screws.
- Suitable for high radial loads.
- Suitable for high RPM.
- No wear and tear.
- Suitable for large shaft and hub tolerances.

REQUIREMENTS:

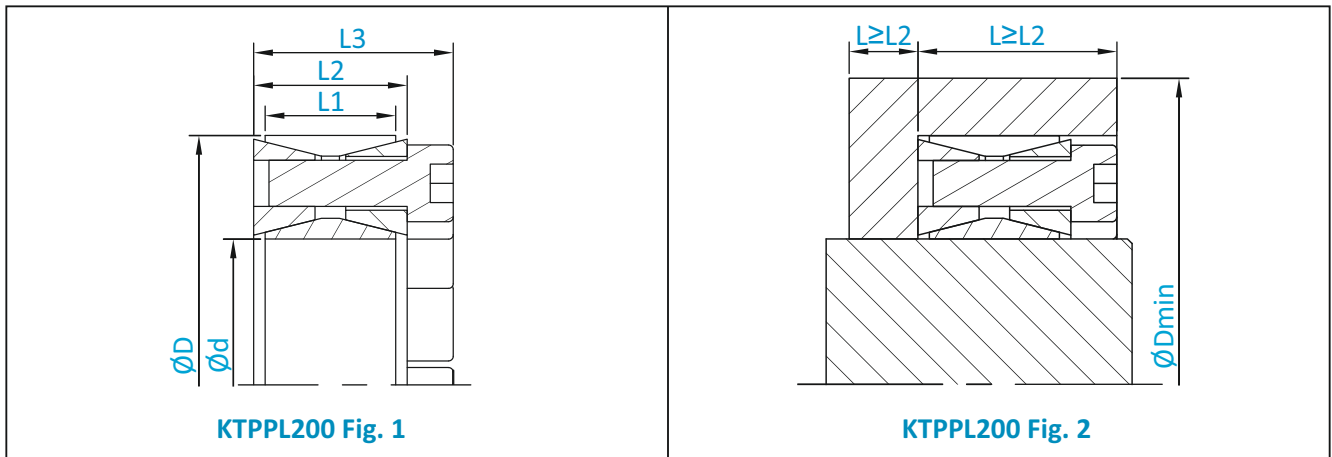
- Shaft diameter tolerance : k9 to h11
- Hub diameter tolerance : H9 to H11
- Surface finish of Shaft and Hub: $Ra \leq 3.2 \mu m$
- Fitting surface free from any grease / lubrication oil / molybdenum disulphide base oil
- Screw tightening as per recommended screw tightening torque.

Ordering Code : KTPPL200 d x D

KTPPL200 : Series Code

d : Inner Diameter

D : Outer Diameter



Dimension Details mm				Torque Mt Nm	Axial Force Fax KN	Surface Pressure		Screw Details		
						Shaft Pw N/mm ²	Hub Pn N/mm ²	Size	No.	Tightening Torque Nm
Ød x ØD	L1	L2	L3							
20x47	17	20	26	302	30	237	102	M6	8	17
22x47	17	20	26	332	30	215	102	M6	8	17
24x50	17	20	26	362	30	197	95	M6	8	17
25x50	17	20	26	382	30	190	95	M6	8	17
28x55	17	20	26	633	45	253	130	M6	12	17
30x55	17	20	26	683	45	237	130	M6	12	17
32x60	17	20	26	724	45	222	119	M6	12	17
35x60	17	20	26	794	45	203	119	M6	12	17
38x65	17	20	26	1055	57	234	137	M6	15	17
40x65	17	20	26	1156	57	222	137	M6	15	17
42x75	20	24	32	1759	83	262	147	M8	12	42
45x75	20	24	32	1859	83	245	147	M8	12	42
48x80	20	24	32	2010	83	230	138	M8	12	42
50x80	20	24	32	2060	83	220	138	M8	12	42
55x85	20	24	32	2814	101	250	163	M8	15	42
60x90	20	24	32	3116	101	230	154	M8	15	42
65x95	20	24	32	3417	101	212	146	M8	15	42
70x110	24	28	38	5829	161	262	167	M10	15	83
75x115	24	28	38	6231	161	244	160	M10	15	83
80x120	24	28	38	6633	161	229	153	M10	15	83
85x125	24	28	38	7035	161	216	147	M10	15	83
90x130	24	28	38	7437	161	204	142	M10	15	83
95x135	24	28	38	9447	201	231	163	M10	18	83
100x145	26	32	44	12161	241	248	172	M12	15	144
110x155	26	32	44	13568	241	226	161	M12	15	144
120x165	26	32	44	15578	261	221	161	M12	16	144
130x180	34	38	50	21105	322	195	141	M12	20	144
140x190	34	38	50	25125	352	199	147	M12	22	144
150x200	34	38	50	29145	392	203	153	M12	24	144
160x210	34	38	50	33668	422	206	157	M12	26	144
170x225	38	44	58	41708	492	201	152	M14	22	229
180x235	38	44	58	47738	533	207	159	M14	24	229
190x250	46	52	66	59295	623	189	144	M14	28	229
200x260	46	52	66	66833	663	193	148	M14	30	229
220x285	50	56	72	87938	804	193	150	M16	26	354
240x305	50	56	72	110550	925	204	161	M16	30	354
260x325	50	56	72	135675	1055	214	171	M16	34	354
280x355	60	66	84	167835	1206	190	150	M18	32	492
300x375	60	66	84	202508	1357	199	160	M18	38	492
320x405	72	78	98	276878	1709	200	158	M20	36	692
340x425	72	78	98	294465	1709	188	151	M20	36	692
360x455	84	90	112	387428	2161	189	150	M22	36	945
380x475	84	90	112	409035	2161	180	144	M22	36	945
400x495	84	90	112	430643	2161	171	138	M22	36	945

KTPPL300 Keyless Clamping Element



This is 2-piece keyless clamping element.

This is very compact Keyless Clamping Element. This can be used in case of less space availability.

BENEFITS :

- Maintains the concentricity of Shaft and Hub.
- Suitable for High Torque and High Bending Moments.
- Creates low Surface Pressure.
- No axial displacement of Hub.
- Torque transmission ranges from 7.3 Nm to 27500 Nm for standard sizes.
- Shaft diameter ranges from 10 mm to 200 mm for standard sizes.
- Compact
- Easy assembly and easy dismantling.
- Split version is also available.
- Best suitable for subjected to static, pulsating, dynamic or intermittent loads.

REQUIREMENTS :

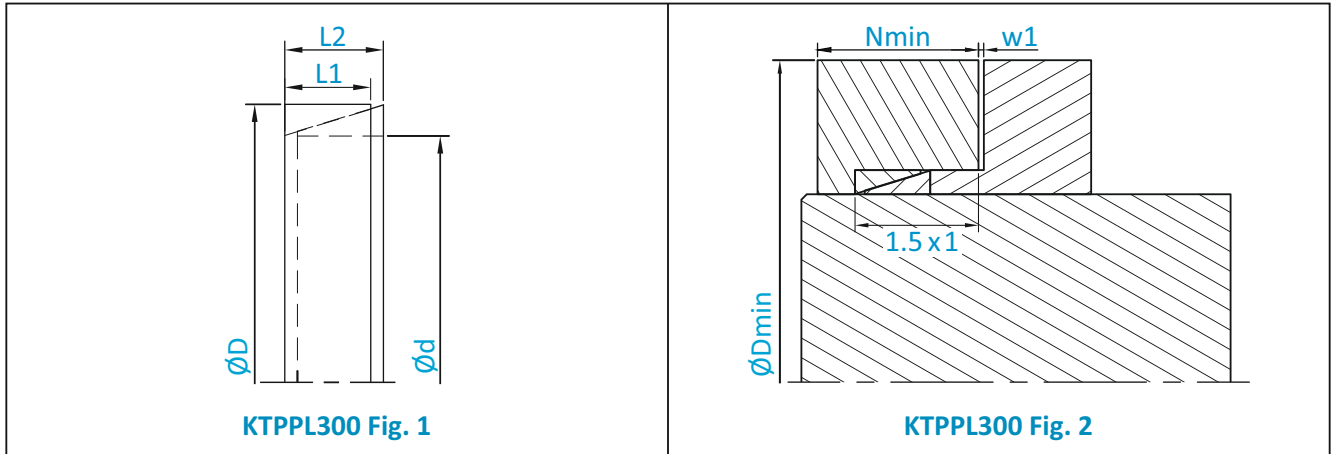
- Shaft diameter tolerance: h6 till shaft diameter 40 mm.
Shaft diameter tolerance: h8 after shaft diameter 40 mm.
- Hub diameter tolerance: H7 till shaft diameter 40 mm
Hub diameter tolerance: H8 after shaft diameter 40 mm
- Surface finish of Shaft and Hub: $R_a \leq 3.2 \mu\text{m}$
- Fitting surface free from any grease / lubrication oil / molybdenum disulphide base oil
- Screw tightening as per recommended screw tightening torque.

Ordering Code : KTPPL300 d x D

KTPPL300 : Series Code

d : Inner Diameter

D : Outer Diameter



Dimension Details mm				Torque Mt Nm	Axial Force Fax KN	Surface Pressure		Preload Force	
						Shaft	Hub	E1	E2
Ød x ØD	L1 mm	L2 mm	W1 mm			Pw N/mm ²	Pn N/mm ²	KN	KN
10x13	3.7	4.5	3	7.3	1.41	121	92	10.1	8.4
12x15	3.7	4.5	3	10.6	1.71	121	96	11.6	9.5
13x16	3.7	4.5	3	12.4	1.81	121	98	12.4	10.1
14x18	5.3	6.3	3	20.5	2.91	121	93	20	16.5
15x19	5.3	6.3	3	23.6	3.12	121	95	21.1	17.4
16x20	5.3	6.3	3	26.1	3.32	121	96	22.2	18.2
17x21	5.3	6.3	3	30.2	3.52	121	97	23.3	19.1
18x22	5.3	6.3	3	33.2	3.72	121	98	24.4	19.9
19x24	5.3	6.3	3	37.9	3.92	121	95	26.7	21.9
20x25	5.3	6.3	3	41.9	4.12	121	96	27.7	22.8
22x26	5.3	6.3	3	50.3	4.52	121	103	28.8	23.4
24x28	5.3	6.3	3	60.4	5.03	121	104	31	25.1
25x30	5.3	6.3	3	65.5	5.23	121	101	33.2	27.1
28x32	5.3	6.3	3	82.2	5.83	121	106	35.4	28.6
30x35	5.3	6.3	3	94.4	6.23	121	104	38.7	31.4
32x36	5.3	6.3	3	107.5	6.63	121	108	39.8	32
35x40	6	7	3	145.7	8.24	121	106	50	40.4
36x42	6	7	4	153.8	8.54	121	104	52.6	42.7
38x44	6	7	4	171.9	8.94	121	105	104	55.1
40x45	6.6	8	4	209.0	10.35	121	108	61.9	49.9
42x48	6.6	8	4	230.1	10.95	121	106	66.1	53.4
45x52	8.6	10	4	344.7	15.28	121	105	93.3	75.5
48x55	8.6	10	4	392.0	16.28	121	106	98.6	79.7
50x57	8.6	10	4	425.1	16.98	121	106	102	82.6
55x62	8.6	10	4	514.6	18.69	121	107	111	89.6
60x68	10.4	12	4	740.7	24.62	121	107	148	119
65x73	10.4	12	4	869.3	26.73	121	108	158	128
70x79	12.2	14	4	1181.9	33.77	121	107	201	162
75x84	12.2	14	4	1357.8	36.18	121	108	214	172
80x91	15	17	5	1898.4	47.44	121	106	285	230
85x96	15	17	5	2143.7	50.35	121	107	300	242
90x101	15	17	5	2403.0	53.37	121	108	316	254
95x106	15	17	5	2677.3	56.28	121	109	332	267
100x114	18.7	21	5	3698.4	73.97	121	106	445	359
110x124	18.7	21	5	4475.3	81.30	121	107	483	389
120x134	18.7	21	5	5325.5	88.74	121	108	516	415
130x148	25.3	28	6	8456.1	129.65	121	106	762	616
140x158	25.3	28	6	9806.8	139.70	121	107	808	652
150x168	25.3	28	6	11258.0	149.75	121	108	855	689
160x178	25.3	28	6	12809.7	159.80	121	109	902	726
170x191	30	33	7	17147.3	201.00	121	108	1138	917
180x201	30	33	7	19223.6	213.06	121	108	1195	962
190x211	30	33	7	21418.6	225.12	121	109	1252	1007
200x224	34.8	38	7	27530.0	274.37	121	108	1530	1233

KTPPL350 Keyless Clamping Element



This is 2 piece + clamping bolts keyless clamping element.

This is very compact Keyless Clamping Element. This can be used in case of less space availability.

BENEFITS:

- Maintains the very good concentricity and perpendicularity of Shaft and Hub.
- Suitable for medium Torque.
- Creates low Surface Pressure.
- Very less displacement of Hub.
- Torque transmission ranges from 7 Nm to 2200 Nm for standard sizes.
- Shaft diameter ranges from 5 mm to 50 mm for standard sizes.
- Compact
- Easy assembly and easy dismantling by just loosening of screws.
- Suitable for thin wall thickness hubs.
- Reusable.

REQUIREMENTS:

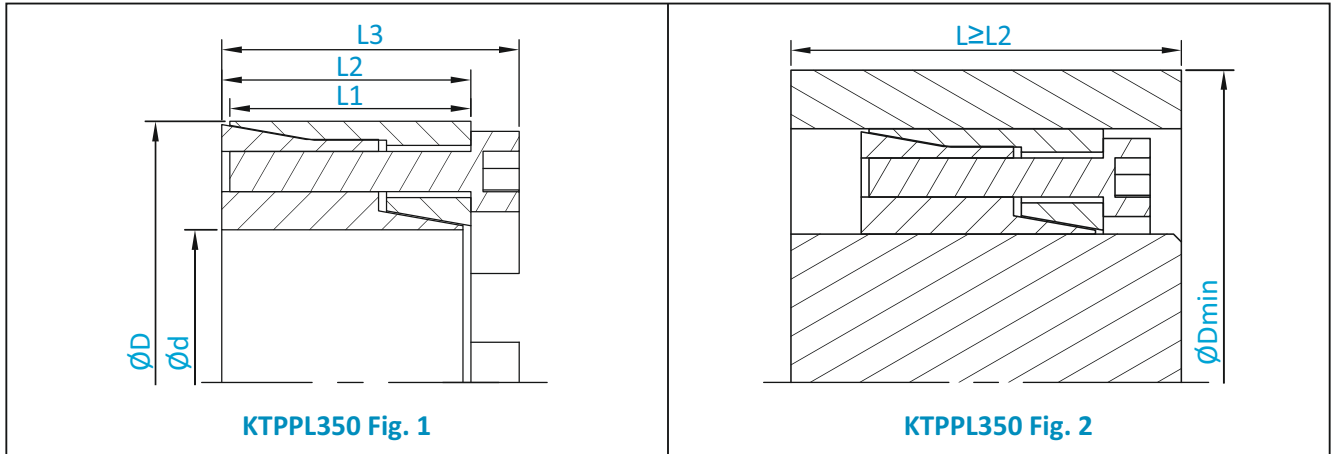
- Shaft diameter tolerance: h8
- Hub diameter tolerance: H8
- Surface finish of Shaft and Hub: $R_a \leq 3.2 \mu\text{m}$
- Fitting surface free from any grease / lubrication oil / molybdenum disulphide base oil
- Screw tightening as per recommended screw tightening torque.

Ordering Code : KTPPL350 d x D

KTPPL350 : Series Code

d : Inner Diameter

D : Outer Diameter



Dimension Details mm				Torque Mt Nm	Axial Force Fax KN	Surface Pressure		Screw Details		
						Shaft	Hub	Size	No.	Tightening
						Pw N/mm ²	Pn N/mm ²			Torque Nm
Ød x ØD	L1 mm	L2 mm	L3 mm							
5x16	10	11	13.5	7.2	2.91	154	48.3	M2.5	3	1.1
6x16	10	11	13.5	8.6	2.91	128	48.3	M2.5	3	1.1
6.35x16	10	11	13.5	9.1	2.91	120	48.3	M2.5	3	1.1
7x17	10.5	11	13.5	10.0	2.91	104	43.3	M2.5	3	1.1
8x18	10.5	11	13.5	11.0	2.91	91	41.2	M2.5	3	1.1
9x20	12.5	13	15.5	17.0	3.81	91	41.2	M2.5	4	1.1
9.525x20	12.5	13	15.5	18.0	3.81	86	41.2	M2.5	4	1.1
10x20	12.5	13	15.5	19.0	3.81	82	41.2	M2.5	4	1.1
11x22	12.5	13	15.5	21.1	3.81	74	37.2	M2.5	4	1.1
12x22	12.5	13	15.5	23.1	3.81	68	37.2	M2.5	4	1.1
14x26	16.5	17	20	42.1	5.91	69	37.2	M3	4	2.1
15x28	16.5	17	20	45.1	5.91	64	35.2	M3	4	2.1
16x32	16.5	17	21	85.2	11	108	54.3	M4	4	5.1
17x35	20.5	21	25	91.2	11	82	40.2	M4	4	5.1
18x35	20.5	21	25	96.2	11	77	40.2	M4	4	5.1
19x35	20.5	21	25	100.3	11	73	40.2	M4	4	5.1
20x38	20.5	21	26	170.4	17	110	58.3	M5	4	10
22x40	20.5	21	26	190.5	17	100	55.3	M5	4	10
24x47	25	26	32	290.7	24	108	55.3	M6	4	17
25x47	25	26	32	300.8	24	104	55.3	M6	4	17
28x50	25	26	32	511.3	36	140	78.5	M6	6	17
30x55	25	26	32	551.4	36	130	71.4	M6	6	17
32x55	25	26	32	581.5	36	121	71.4	M6	6	17
35x60	30	31	37	641.6	36	93	54.3	M6	6	17
38x65	30	31	37	922.3	49	114	67.4	M6	8	17
40x65	30	31	37	972.4	49	108	67.4	M6	8	17
45x75	35	36	44	2005.0	89	151	90.5	M8	8	42
50x80	35	36	44	2205.5	89	136	85.5	M8	8	42

KTPPL402 Keyless Clamping Element



This is 3 piece + clamping bolts keyless clamping element.

BENEFITS:

- Maintains the concentricity and perpendicularity of Shaft and Hub.
- Suitable for High Torque and High Bending Moments.
- Creates low Surface Pressure.
- No displacement of Hub.
- Torque transmission ranges from 840 Nm to 416000 Nm for standard sizes.
- Shaft diameter ranges from 25 mm to 300 mm for standard sizes.
- Easy assembly and easy dismantling with detaching screws.
- Suitable for high radial loads.
- Suitable for heavy duty applications.

REQUIREMENTS:

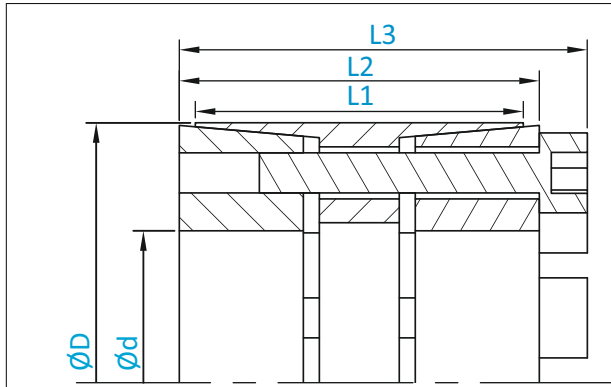
- Shaft diameter tolerance: h8
- Hub diameter tolerance: H8
- Surface finish of Shaft and Hub: $R_a \leq 3.2 \mu\text{m}$
- Fitting surface free from any grease / lubrication oil / molybdenum disulphide base oil
- Screw tightening as per recommended screw tightening torque.

Ordering Code : KTPPL402 d x D

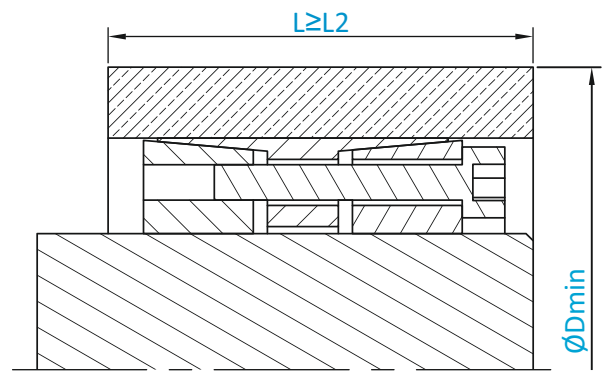
KTPPL402 : Series Code

d : Inner Diameter

D : Outer Diameter



KTPPL402 Fig. 1



KTPPL402 Fig. 2

Dimension Details mm				Torque Mt Nm	Axial Force Fax KN	Surface Pressure		Screw Details		
						Shaft Pw N/mm ²	Hub Pn N/mm ²	Size	No.	Tightening Torque Nm
Ød x ØD	L1 mm	L2 mm	L3 mm							
25x50	41	45	51	843	67	223	111	M6	6	17
28x55	41	45	51	1255	89	266	135	M6	8	17
30x55	41	45	51	1355	89	248	135	M6	8	17
32x60	41	45	51	1456	89	233	124	M6	8	17
35x60	41	45	51	1556	89	213	124	M6	8	17
38x65	41	45	51	2108	110	253	147	M6	10	17
40x65	41	45	51	2259	110	240	147	M6	10	17
42x75	41	45	51	3414	161	345	194	M8	8	42
45x75	41	45	51	3715	161	322	194	M8	8	42
48x80	58	62	70	3916	161	206	123	M8	8	42
50x80	58	62	70	4116	161	198	123	M8	8	42
55x85	58	62	70	4518	161	189	122	M8	8	42
60x90	58	62	70	6124	201	216	143	M8	10	42
65x95	58	62	70	6626	201	199	136	M8	10	42
70x110	70	76	86	11245	321	219	139	M10	10	83
75x115	70	76	86	12048	321	204	133	M10	10	83
80x120	70	76	86	15562	392	230	153	M10	12	83
85x125	70	76	86	16566	392	224	152	M10	12	83
90x130	70	76	86	17570	392	212	146	M10	12	83
95x135	70	76	86	18574	392	201	141	M10	12	83
100x145	92	98	110	28614	572	204	140	M12	12	144
110x155	92	98	110	31124	572	186	131	M12	12	144
120x165	92	98	110	39658	663	199	144	M12	14	144
130x180	108	114	128	50702	783	185	133	M14	12	229
140x190	108	114	128	63754	904	201	147	M14	14	229
150x200	108	114	128	77810	1054	214	160	M14	16	229
160x210	108	114	128	82830	1054	203	154	M14	16	229
170x225	136	146	162	105420	1255	177	133	M16	14	354
180x235	136	146	162	127508	1406	191	146	M16	16	354
190x250	136	146	162	135038	1406	181	137	M16	16	354
200x260	136	146	162	142066	1406	172	132	M16	16	354
220x285	136	146	162	195278	1757	199	153	M16	20	354
240x305	136	146	162	233932	1958	200	157	M16	22	354
260x325	136	146	162	253510	1958	189	150	M16	22	354
280x355	165	177	197	349392	2510	183	143	M20	18	692
300x375	165	177	197	416158	2811	189	151	M20	20	692

KTPPL404 Keyless Clamping Element



This is 3 piece + clamping bolts keyless clamping element.

BENEFITS:

- Maintains the concentricity of Shaft and Hub.
- Suitable for High Torque and High Bending Moments.
- Creates low Surface Pressure.
- No axial displacement of Hub.
- Torque transmission ranges from 7000 Nm to 1212000 Nm for standard sizes.
- Shaft diameter ranges from 70 mm to 600 mm for standard sizes.
- Easy assembly and easy dismantling with detaching screws.
- Suitable for high radial loads.

REQUIREMENTS:

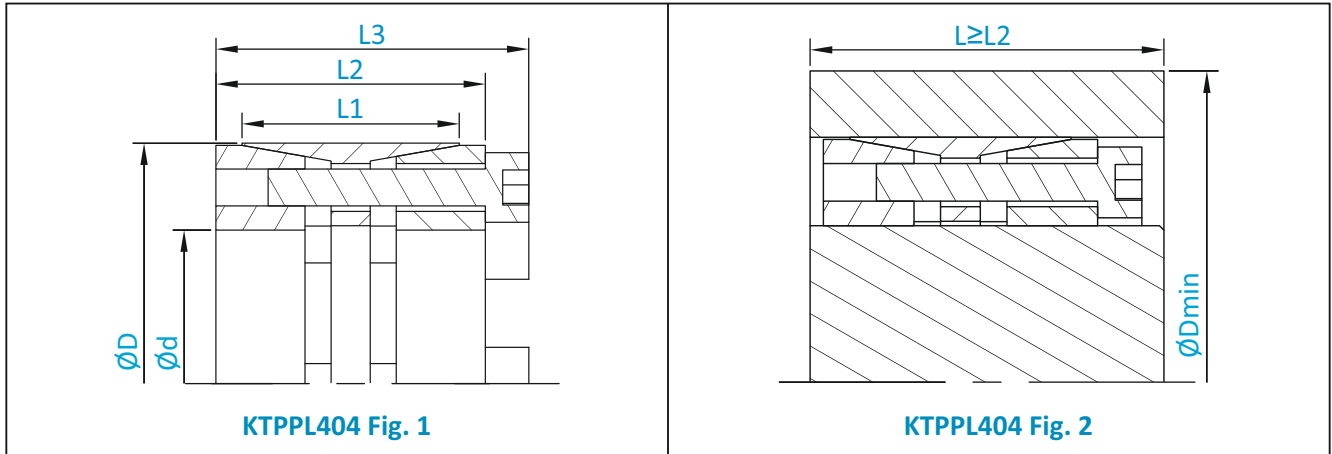
- Shaft diameter tolerance: h8
- Hub diameter tolerance: H8
- Surface finish of Shaft and Hub: $Ra \leq 3.2 \mu m$
- Fitting surface free from any grease / lubrication oil / molybdenum disulphide base oil
- Screw tightening as per recommended screw tightening torque.

Ordering Code : KTPPL404 d x D

KTPPL404 : Series Code

d : Inner Diameter

D : Outer Diameter



Dimension Details mm				Torque Mt Nm	Axial Force Fax KN	Surface Pressure		Screw Details		
						Shaft Pw N/mm ²	Hub Pn N/mm ²	Size	No.	Tightening Torque Nm
Ød x ØD	L1 mm	L2 mm	L3 mm							
70x110	50	62	72	7035	201	196	128	M10	8	83
75x115	50	62	72	7538	201	183	123	M10	8	83
80x120	50	62	72	10050	251	214	147	M10	10	83
85x125	50	62	72	10653	251	202	142	M10	10	83
90x130	50	62	72	12462	281	210	150	M10	11	83
95x135	50	62	72	13065	281	199	144	M10	11	83
100x145	60	72	84	18593	372	218	155	M12	10	144
110x155	60	72	84	20100	372	199	145	M12	10	144
120x165	60	72	84	24623	402	200	150	M12	11	144
130x180	65	82	94	33668	523	208	154	M12	14	144
140x190	65	82	94	38693	553	207	157	M12	15	144
150x200	65	82	94	41708	553	193	149	M12	15	144
160x210	65	82	94	47235	593	193	151	M12	16	144
170x225	78	93	107	64320	764	205	159	M14	15	229
180x235	78	93	107	68340	764	193	153	M14	15	229
190x250	88	105	119	76883	814	162	127	M14	16	229
200x260	88	105	119	90953	915	173	138	M14	18	229
220x285	96	111	127	114068	1055	165	131	M16	15	354
240x305	96	111	127	166328	1407	202	164	M16	20	354
260x325	96	111	127	188940	1457	196	161	M16	21	354
280x355	96	111	131	227633	1608	220	179	M20	15	692
300x375	96	111	131	259793	1709	219	181	M20	16	692
320x405	124	136	156	346725	2161	188	153	M20	20	692
340x425	124	136	156	368333	2161	177	146	M20	20	692
360x455	140	155	177	484913	2714	184	150	M22	20	945
380x475	140	155	177	511545	2714	175	144	M22	20	945
400x495	140	155	177	592448	2915	183	152	M22	22	945
420x515	140	155	177	678878	3216	190	159	M22	24	945
440x535	140	155	177	711038	3216	181	153	M22	24	945
460x555	140	155	177	743198	3216	173	148	M22	24	945
480x575	140	155	177	808020	3417	173	149	M22	25	945
500x595	140	155	177	841688	3417	166	144	M22	25	945
520x615	140	155	177	980378	3819	179	155	M22	28	945
540x635	140	155	177	1018065	3819	172	151	M22	28	945
560x655	140	160	182	1131128	4020	181	159	M22	30	945
580x675	140	160	182	1171830	4020	175	155	M22	30	945
600x695	140	160	182	1212030	4020	169	150	M22	30	945

KTPPL410 Keyless Clamping Element



This is 4 piece + clamping bolts keyless clamping element.

BENEFITS:

- Maintains the concentricity and perpendicularity of Shaft and Hub.
- Suitable for Highest Torque and High Bending Moments.
- Creates high Surface Pressure.
- No axial displacement of Hub.
- Torque transmission ranges from 13800 Nm to 2350000 Nm for standard sizes.
- Shaft diameter ranges from 100 mm to 800 mm for standard sizes.
- Easy assembly and easy dismantling with detaching screws.
- Suitable for High radial loads.

REQUIREMENTS:

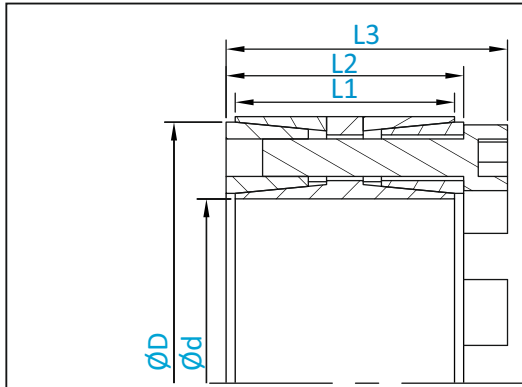
- Shaft diameter tolerance: h8
- Hub diameter tolerance: H8
- Surface finish of Shaft and Hub: $Ra \leq 3.2 \mu m$
- Fitting surface free from any grease / lubrication oil / molybdenum disulphide base oil
- Screw tightening as per recommended screw tightening torque.

Ordering Code : KTPPL410 d x D

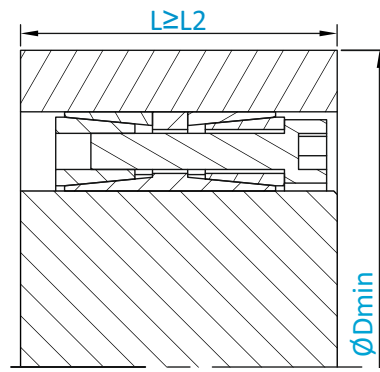
KTPPL410 : Series Code

d : Inner Diameter

D : Outer Diameter



KTPPL410 Fig. 1



KTPPL410 Fig. 2

Dimension Details mm				Torque Mt Nm	Axial Force Fax KN	Surface Pressure		Screw Details		
						Shaft Pw N/mm ²	Hub Pn N/mm ²	Size	No.	Tightening Torque Nm
Ød x ØD	L1	L2	L3							
100x145	60	65	77	13817	286	196	135	M12	10	145
110x155	60	65	77	15198	286	178	126	M12	10	145
120x165	60	65	77	19896	344	196	143	M12	12	145
130x180	68	74	86	26942	429	195	141	M12	15	145
140x190	68	74	86	34817	516	218	160	M12	18	145
150x200	68	74	86	37304	516	203	152	M12	18	145
160x210	68	74	86	46422	601	222	169	M12	21	145
170x225	75	81	95	57831	705	220	166	M14	18	230
180x235	75	81	95	61233	705	208	159	M14	18	230
190x250	88	94	108	71817	783	184	140	M14	20	230
200x260	88	94	108	90716	940	209	161	M14	24	230
220x285	98	104	120	102448	965	187	145	M16	18	355
240x305	98	104	120	149015	1286	229	180	M16	24	355
260x325	98	104	120	168159	1341	220	176	M16	25	355
280x355	120	126	144	210004	1554	198	156	M18	24	485
300x375	120	126	144	234380	1619	193	154	M18	25	485
320x405	135	142	162	323337	2093	197	155	M20	25	690
340x425	135	142	162	343545	2093	185	149	M20	25	690
360x455	158	165	187	449413	2587	184	146	M22	25	930
380x475	158	165	187	474380	2587	174	140	M22	25	930
400x495	158	165	187	499347	2587	165	134	M22	25	930
420x515	158	165	187	629178	3114	189	154	M22	30	930
440x545	172	180	204	775639	3653	190	153	M24	30	1200
460x565	172	180	204	810895	3653	182	149	M24	30	1200
480x585	172	180	204	902562	3896	186	152	M24	32	1200
500x605	172	180	204	940169	3896	179	148	M24	32	1200
520x630	190	200	227	1093251	4357	171	142	M27	30	1600
540x650	190	200	227	1135299	4357	165	138	M27	30	1600
560x670	190	200	227	1177347	4357	159	134	M27	30	1600
580x690	190	200	227	1219396	4357	153	130	M27	30	1600
600x710	190	200	227	1345539	4647	158	134	M27	32	1600
620x730	190	200	227	1390391	4647	153	131	M27	32	1600
640x750	190	200	227	1569797	5082	162	139	M27	35	1600
660x770	190	200	227	1618852	5082	157	136	M27	35	1600
680x790	190	200	227	1715563	5228	157	136	M27	36	1600
700x810	190	200	227	1766021	5228	153	133	M27	36	1600
720x830	190	200	227	2018310	5809	165	144	M27	40	1600
740x850	190	200	227	2074374	5809	160	140	M27	40	1600
760x870	190	200	227	2130438	5809	156	137	M27	40	1600
780x890	190	200	227	2186502	5809	152	134	M27	40	1600
800x910	190	200	227	2354694	6099	156	138	M27	42	1600

KTPPL411 Keyless Clamping Element



This is 4 piece + clamping bolts keyless clamping element.

BENEFITS:

- Maintains the concentricity and perpendicularity of Shaft and Hub.
- Suitable for Highest Torque and High Bending Moments.
- Creates high Surface Pressure.
- No axial displacement of Hub.
- Torque transmission ranges from 6600 Nm to 908200 Nm for standard sizes.
- Shaft diameter ranges from 100 mm to 800 mm for standard sizes.
- Easy assembly and easy dismantling with detaching screws.
- Suitable for High radial loads.

REQUIREMENTS:

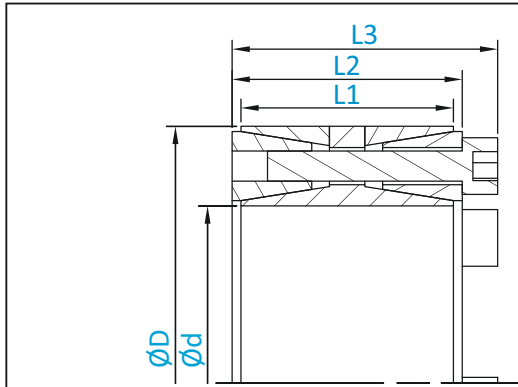
- Shaft diameter tolerance: h8
- Hub diameter tolerance: H8
- Surface finish of Shaft and Hub: $Ra \leq 3.2 \mu m$
- Fitting surface free from any grease / lubrication oil / molybdenum disulphide base oil
- Screw tightening as per recommended screw tightening torque.

Ordering Code : KTPPL411 d x D

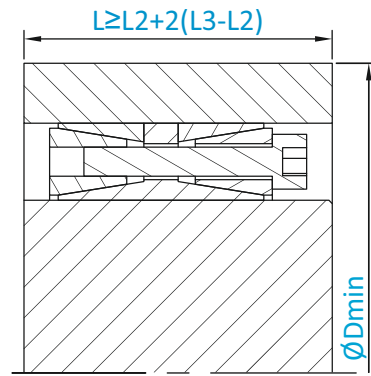
KTPPL411 : Series Code

d : Inner Diameter

D : Outer Diameter



KTPPL411 Fig. 1



KTPPL411 Fig. 2

Dimension Details mm				Torque Mt Nm	Axial Force Fax KN	Surface Pressure		Screw Details		
						Shaft Pw N/mm ²	Hub Pn N/mm ²	Size	No.	Tightening Torque Nm
Ød x ØD	L1	L2	L3							
100x145	60	65	75	6608	125	90.1	63.4	M10	9	83
110x155	60	65	75	8077	139	91.1	65.5	M10	10	83
120x165	60	65	75	10574	166	100.0	74.5	M10	12	83
130x180	68	74	84	14318	208	100.0	73.5	M10	15	83
140x190	68	74	84	15420	208	93.1	69.5	M10	15	83
150x200	68	74	84	17622	222	93.1	70.5	M10	16	83
160x210	68	74	84	21146	250	98.0	75.5	M10	18	83
170x225	75	81	93	27489	306	104.0	80.6	M12	15	145
180x235	75	81	93	31046	326	104.9	81.6	M12	16	145
190x250	88	94	106	36867	367	95.0	73.5	M12	18	145
200x260	88	94	106	43121	408	100.0	78.5	M12	20	145
220x285	98	104	116	49804	428	88.1	69.5	M12	21	145
240x305	98	104	116	62093	489	92.1	73.5	M12	24	145
260x325	98	104	116	75677	550	96.0	77.5	M12	27	145
280x355	120	126	140	115609	781	104.9	84.6	M14	28	230
300x375	120	126	140	123866	781	98.0	80.6	M14	28	230
320x405	135	142	158	180862	1069	108.9	87.6	M16	28	355
340x425	135	142	158	192165	1069	102.0	83.6	M16	28	355
360x455	158	165	183	210670	1107	83.2	67.5	M18	24	485
380x475	158	165	183	250172	1245	89.1	72.5	M18	27	485
400x495	158	165	183	312105	1475	100.0	82.6	M18	32	485
420x515	158	165	183	327709	1475	95.0	78.5	M18	32	485
440x545	172	180	200	374579	1609	90.1	74.5	M20	27	690
460x565	172	180	200	391668	1609	86.1	71.5	M20	27	690
480x585	172	180	200	454107	1789	92.1	76.5	M20	30	690
500x605	172	180	200	473028	1789	88.1	74.5	M20	30	690
520x630	190	200	220	524746	1908	79.2	66.5	M20	32	690
540x650	190	200	220	544929	1908	76.2	64.4	M20	32	690
560x670	190	200	220	635750	2146	83.2	70.5	M20	36	690
580x690	190	200	220	658456	2146	80.2	68.5	M20	36	690
600x710	190	200	220	681161	2146	77.2	66.5	M20	36	690
620x730	190	200	220	703866	2146	75.2	64.4	M20	36	690
640x750	190	200	220	726572	2146	72.3	63.4	M20	36	690
660x770	190	200	220	749277	2146	70.3	61.4	M20	36	690
680x790	190	200	220	771983	2146	68.3	59.4	M20	36	690
700x810	190	200	220	794688	2146	66.3	58.4	M20	36	690
720x830	190	200	220	816297	2146	64.4	57.4	M20	36	690
740x850	190	200	220	840099	2146	63.4	55.4	M20	36	690
760x870	190	200	220	862804	2146	61.4	54.4	M20	36	690
780x890	190	200	220	885510	2146	59.4	53.4	M20	36	690
800x910	190	200	220	908214	2146	58.4	52.4	M20	36	690

KTPPL430 Keyless Clamping Element



This is 4 piece + clamping bolts keyless clamping element.

BENEFITS:

- Maintains the concentricity and perpendicularity of Shaft and Hub.
- Suitable for High Torque, axial forces and High Bending Moments.
- Creates low Surface Pressure.
- No axial displacement of Hub.
- Torque transmission ranges from 4000 Nm to 245000 Nm for standard sizes.
- Shaft diameter ranges from 60 mm to 300 mm for standard sizes.
- Easy assembly and easy dismantling with detaching screws.
- Suitable for high radial loads.

REQUIREMENTS:

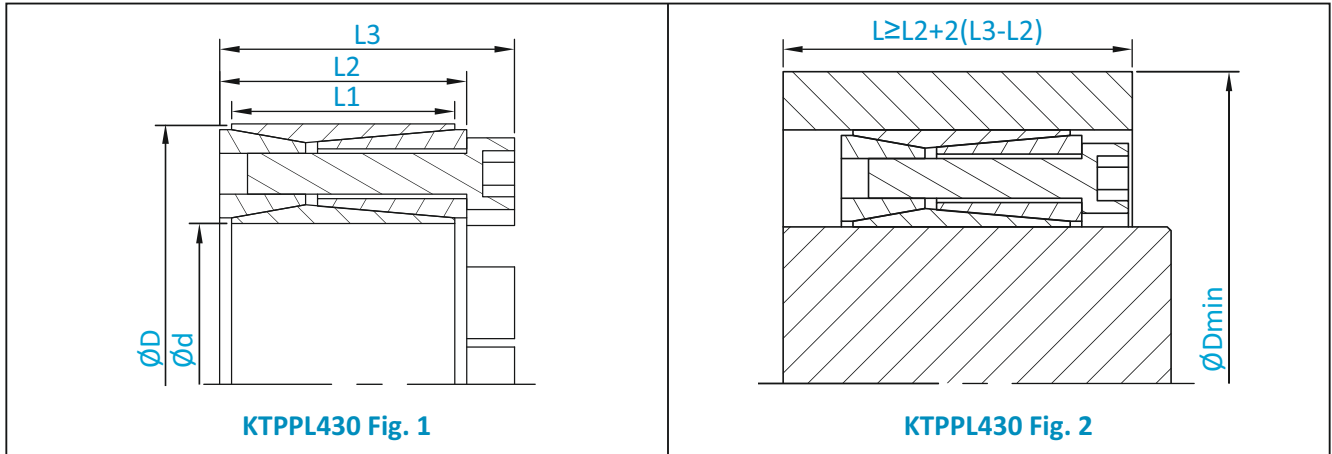
- Shaft diameter tolerance: k9 to h9
- Hub diameter tolerance: N9 to H9
- Surface finish of Shaft and Hub: $Ra \leq 3.2 \mu m$
- Fitting surface free from any grease / lubrication oil / molybdenum disulphide base oil
- Screw tightening as per recommended screw tightening torque.

Ordering Code : KTPPL430 d x D

KTPPL430 : Series Code

d : Inner Diameter

D : Outer Diameter



Dimension Details mm				Torque Mt Nm	Axial Force Fax KN	Surface Pressure		Screw Details		
						Shaft	Hub	Size	No.	Tightening
Ød x ØD	L1	L2	L3			Pw N/mm ²	Pn N/mm ²			Torque Nm
60x100	44	50	60	4138	139	209	126	M10	8	84
70x120	56	62	74	6864	197	201	117	M12	8	145
80x130	56	62	74	11673	293	264	163	M12	12	145
90x140	56	62	74	13026	291	235	151	M12	12	145
100x160	74	80	94	19739	396	214	134	M14	12	230
110x170	74	80	94	26653	487	243	158	M14	14	230
120x180	74	80	94	28958	485	223	149	M14	15	230
130x190	74	80	94	31262	483	206	141	M14	15	230
140x200	74	80	94	40280	577	228	160	M14	17	230
150x210	74	80	94	42986	575	213	152	M14	18	230
160x230	88	94	110	64128	805	226	159	M16	17	355
170x240	88	94	110	67936	803	213	153	M16	18	355
180x250	88	94	110	83166	928	234	170	M16	20	355
190x260	88	94	110	88176	932	222	164	M16	21	355
200x270	88	94	110	105210	1056	241	180	M16	23	355
220x300	110	116	134	123246	1125	188	140	M18	21	485
240x320	110	116	134	153306	1283	197	149	M18	24	485
260x340	110	116	134	186372	1440	204	158	M18	26	485
280x370	130	136	156	230460	1653	191	146	M20	24	690
300x390	130	136	156	245490	1643	178	139	M20	24	690

KTPPL500 Keyless Clamping Element



This is 3 piece + clamping bolts keyless clamping element.

BENEFITS:

- Rigid and Backlash free power transmission.
- Suitable for Medium to High Torque and axial motion / forces.
- Creates low Surface Pressure.
- Very less axial displacement of Hub.
- Torque transmission ranges from 130 Nm to 7600 Nm for standard sizes.
- Shaft diameter ranges from 14 mm to 100 mm for standard sizes.
- Compact, less clamping bolts.
- Easy assembly and easy dismantling with detaching screws.

REQUIREMENTS:

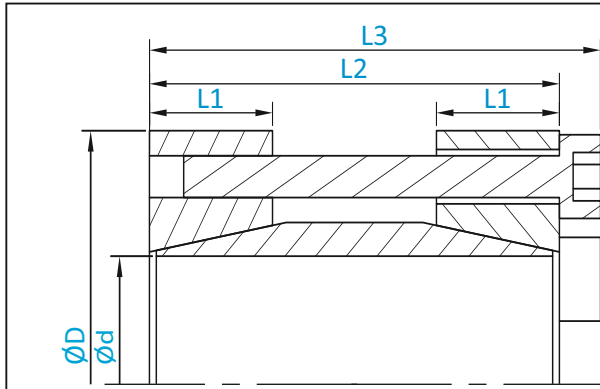
- Shaft diameter tolerance: h8
- Surface finish of Shaft and Hub: $Ra \leq 3.2 \mu m$
- Fitting surface free from any grease / lubrication oil / molybdenum disulphide base oil
- Screw tightening as per recommended screw tightening torque.

Ordering Code : KTPPL500 d x D

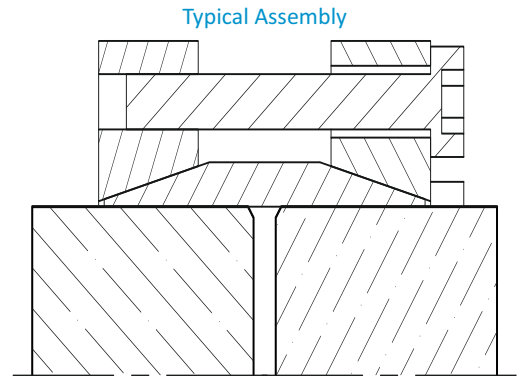
KTPPL500 : Series Code

d : Inner Diameter

D : Outer Diameter



KTPPL500 Fig. 1



KTPPL500 Fig. 2

Dimension Details mm				Torque Mt Nm	Axial Force Fax KN	Screw Details		
						Size	No.	Tightening Torque Nm
Ød x ØD	L1 mm	L2 mm	L3 mm					
14x45	15	50	56	131	19	M6	4	16
15x45	15	50	56	141	19	M6	4	16
16x45	15	50	56	151	19	M6	4	16
17x45	15	50	56	161	19	M6	4	16
18x50	15	50	56	161	18	M6	4	16
19x50	15	50	56	171	18	M6	4	16
20x50	15	50	56	181	19	M6	4	16
22x55	18	60	66	312	29	M6	6	16
24x55	18	60	66	332	28	M6	6	16
25x55	18	60	66	352	29	M6	6	16
28x60	18	60	66	342	25	M6	6	16
30x60	18	60	66	372	25	M6	6	16
32x75	20	75	83	523	33	M8	4	37
35x75	20	75	83	573	33	M8	4	37
38x75	20	75	83	624	33	M8	4	37
40x75	20	75	83	654	33	M8	4	37
42x85	22	85	93	996	48	M8	6	37
45x85	22	85	93	1056	47	M8	6	37
50x90	22	85	93	1207	50	M8	6	37
55x95	22	85	93	1710	63	M8	8	37
60x100	22	85	93	1962	67	M8	8	37
65x105	22	85	93	2163	68	M8	8	37
70x115	35	100	110	2817	82	M10	6	73
75x120	35	100	110	2917	79	M10	6	73
80x125	35	100	110	4225	102	M10	8	73
90x135	35	100	110	4728	102	M10	8	73
100x155	40	120	132	7646	152	M12	8	126

KTPPL601 Keyless Clamping Element



This is 3 piece + clamping bolts keyless clamping element.

This is very compact Keyless Clamping Element. This can be used in case of less space availability.

BENEFITS:

- Suitable for High Torque and High Bending Moments.
- Creates low Surface Pressure.
- No axial displacement of Hub / Shaft.
- Torque transmission ranges from 10300 Nm to 916000 Nm for standard sizes.
- Shaft diameter ranges from 125 mm to 460 mm for standard sizes.
- Compact
- Easy assembly and easy dismantling with detaching screws.

REQUIREMENTS:

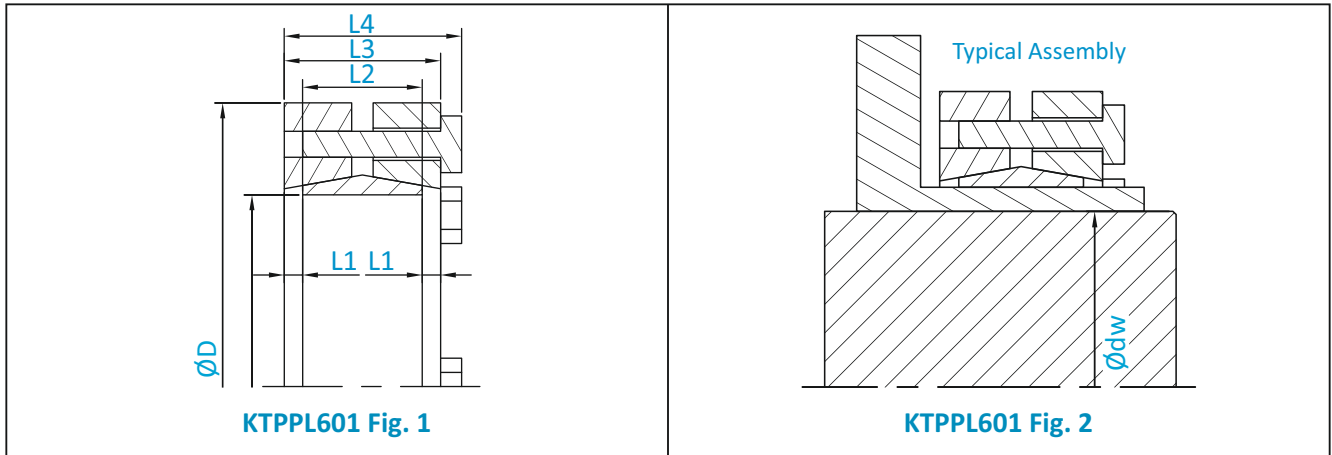
- Shaft diameter tolerance: h9
- dw tolerances combination:
- 18 to 30: H6-j6
- 30 to 50: H6-h6
- 50 to 80: H6-g6
- 80 to 500: H7-g6
- Surface finish of Shaft and Hub: $R_a \leq 3.2 \mu m$
- Fitting surface free from any grease / lubrication oil / molybdenum disulphide base oil
- Screw tightening as per recommended screw tightening torque.

Ordering Code : KTPPL601 d x D

KTPPL601 : Series Code

d : Inner Diameter

D : Outer Diameter



Dimension Details mm						Torque Mt Nm	Axial Force Fax KN	Screw Details		
Ød x ØD	L1	L2	L3	L4	Ø dw			Size	No.	Tightening Torque Nm
125x185	6	39	51	57	95	10339	220	M10	8	59
					100	11858	240			
					105	13524	260			
140x220	6	39	51	57	110	14504	265	M10	9	59
					120	18267	310			
					125	20090	325			
155x245	6	39	51	57	130	23520	365	M10	11	59
					135	25872	390			
					140	28420	410			
165x260	8	46	62	70	135	31360	475	M12	10	100
					140	34496	500			
					145	37730	530			
175x275	8	46	62	70	145	38220	535	M12	11	100
					150	41552	560			
					155	45080	590			
185x295	8	46	62	70	155	45668	600	M12	12	100
					160	49294	625			
					165	52920	650			
195x315	8	56	72	80	165	61740	760	M12	15	100
					170	66346	795			
					175	71050	825			
200x330	8	56	72	80	175	72520	850	M12	16	100
					180	77910	890			
					185	82810	915			
220x345	9	66	84	94	180	81144	920	M16	10	250
					190	91630	980			
					200	102900	1055			
240x370	9	66	84	94	200	110740	1135	M16	12	250
					210	124950	1210			
					215	131810	1250			
260x395	10	72	92	94	220	146020	1350	M16	14	250
					230	161700	1435			
					235	169540	1475			
280x425	10	84	104	94	230	167580	1485	M16	16	250
					240	185220	1570			
					250	203840	1660			
300x460	10	84	104	94	250	210700	1720	M16	18	250
					260	229320	1800			
					270	249900	1890			
320x495	11	84	106	94	270	254800	1940	M16	20	250
					280	278320	2030			
					290	299880	2125			
340x535	11	84	106	94	290	294000	2070	M16	21	250
					300	317912	2160			
					305	330260	2210			
350x545	11	100	122	135	300	364560	2485	M20	16	490
					305	377300	2540			
					310	392000	2590			
360x555	11	100	122	135	300	352800	2400	M20	16	490
					310	380240	2500			
					320	406700	2590			
380x585	12	112	136	149	320	426300	2720	M20	18	490
					325	441980	2780			
					330	457660	2835			
390x595	12	112	136	149	330	494900	3060	M20	20	490
					340	529200	3175			
					350	565460	3295			
400x615	12	112	136	149	340	539000	3235	M20	21	490
					350	575260	3360			
					360	613480	3480			
420x630	12	120	140	153	350	566440	3300	M20	22	490
					360	604660	3425			
					370	641900	3545			
440x660	12	120	144		370	663460	3660	M20	24	490
					380	704620	3785			
					390	746760	3910			
460x685	13	132	158		390	823200	4320	M20	28	490
					400	872200	4460			
					410	916300	4580			

KTPPL602 Keyless Clamping Element



This is 3 piece + clamping bolts keyless clamping element.

This is very compact Keyless Clamping Element. This can be used in case of less space availability.

BENEFITS:

- Suitable for High Torque and High Bending Moments.
- Creates low Surface Pressure.
- No axial displacement of Hub / Shaft.
- Torque transmission ranges from 15000 Nm to 1500000 Nm for standard sizes.
- Shaft diameter ranges from 125 mm to 460 mm for standard sizes.
- Compact
- Easy assembly and easy dismantling with detaching screws.

REQUIREMENTS:

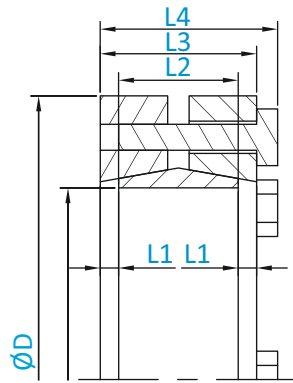
- Shaft diameter tolerance: h9
- dw tolerances combination:
- 18 to 30: H6-j6
- 30 to 50: H6-h6
- 50 to 80: H6-g6
- 80 to 500: H7-g6
- Surface finish of Shaft and Hub: $R_a \leq 3.2 \mu m$
- Fitting surface free from any grease / lubrication oil / molybdenum disulphide base oil
- Screw tightening as per recommended screw tightening torque.

Ordering Code : KTPPL602 d x D

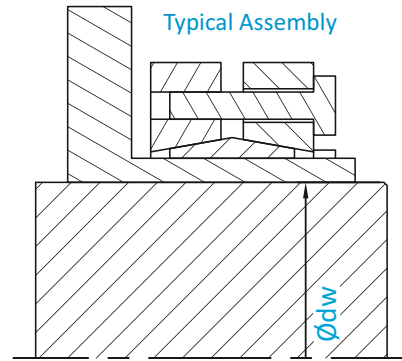
KTPPL602 : Series Code

d : Inner Diameter

D : Outer Diameter



KTPPL602 Fig. 1



KTPPL602 Fig. 2

Dimension Details mm						Torque Mt	Axial	Screw Details		
Ød x ØD	L1	L2	L3	L4	Ø dw	Nm	Force Fax	Size	No.	Tightening Torque Nm
125x215	5	55	65	71	85	14847	351	M12	10	100
					90	17322	384			
					95	19796	418			
140x230	7	60	74	82	95	20390	429	M12	12	100
					100	23260	464			
					105	26230	495			
155x265	7	66	80	88	105	28308	545	M12	15	100
					110	32169	584			
					115	36029	624			
165x290	8	72	88	98	115	40582	733	M16	10	250
					120	45531	777			
					125	50183	807			
175x300	8	72	88	98	125	46521	743	M16	10	250
					130	51470	787			
					135	56419	832			
185x330	10	92	112	122	135	71266	1089	M16	14	250
					140	77204	1139			
					145	85123	1188			
195x350	10	92	112	122	140	74235	1064	M16	14	250
					150	87102	1168			
					155	95021	1223			
200x350	10	92	112	122	145	84133	1158	M16	15	250
					150	91557	1218			
					155	98980	1277			
220x370	10	114	134	144	160	125705	1574	M16	20	250
					165	134613	1634			
					170	162822	1703			
240x405	12	120	144	157	170	153419	1802	M20	15	490
					180	174205	1940			
					190	195980	2059			
260x430	12	136	160	173	190	210827	2237	M20	18	490
					200	237552	2396			
					210	265266	2554			
280x460	12	148	172	185	210	282093	2713	M20	21	490
					220	316736	2881			
					230	351379	3059			
300x485	12	152	176	189	230	337522	2930	M20	22	490
					240	372165	3099			
					245	389981	3183			
320x520	12	160	184	197	240	374144	3119	M20	24	490
					250	410767	3292			
					260	446400	3435			
340x570	12	176	200	215	250	484507	3871	M24	21	840
					260	524594	4034			
					270	572104	4232			
350x580	12	176	200	215	270	550329	4081	M24	21	840
					280	597839	4277			
					285	622584	4371			
360x590	12	180	204	219	280	605758	4326	M24	22	840
					290	656237	4524			
					295	681972	4623			
380x645	12	180	204	219	290	611696	4227	M24	22	840
					300	661186	4410			
					310	711666	4599			
390x660	12	188	212	227	300	700778	4668	M24	24	840
					310	754228	4861			
					320	806192	5039			
400x680	12	188	212	227	315	757197	4806	M24	24	840
					320	779962	4878			
					330	836381	5074			
420x690	12	214	238	252	330	988810	5994	M24	30	840
					340	1057106	6222			
					350	1128372	6450			
440x750	14	224	252	267	340	1047208	6168	M27	27	1250
					350	1118474	6395			
					360	1191719	6623			
460x770	14	224	252	267	360	1306536	7366	M27	28	1250
					370	1405516	7623			
					380	1484700	7871			

KTPPL603 Keyless Clamping Element



This is 3 piece + clamping bolts keyless clamping element.

This is very compact Keyless Clamping Element. This can be used in case of less space availability.

BENEFITS:

- Suitable for High Torque and High Bending Moments.
- Creates low Surface Pressure.
- No axial displacement of Hub / Shaft.
- Torque transmission ranges from 25 Nm to 1460000 Nm for standard sizes.
- Shaft diameter ranges from 14 mm to 500 mm for standard sizes.
- Compact
- Easy assembly and easy dismantling with detaching screws.

REQUIREMENTS:

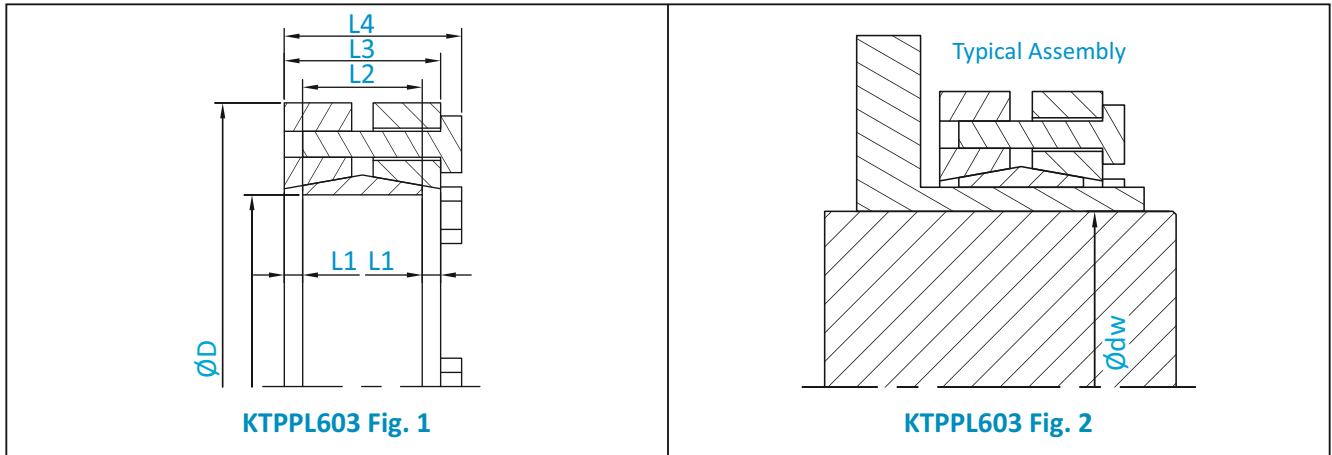
- Shaft diameter tolerance: h9
- dw tolerances combination:
- 18 to 30: H6-j6
- 30 to 50: H6-h6
- 50 to 80: H6-g6
- 80 to 500: H7-g6
- Surface finish of Shaft and Hub: $Ra \leq 3.2 \mu m$
- Fitting surface free from any grease / lubrication oil / molybdenum disulphide base oil
- Screw tightening as per recommended screw tightening torque.

Ordering Code : KTPPL603 d x D

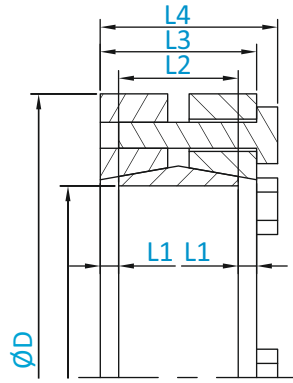
KTPPL603 : Series Code

d : Inner Diameter

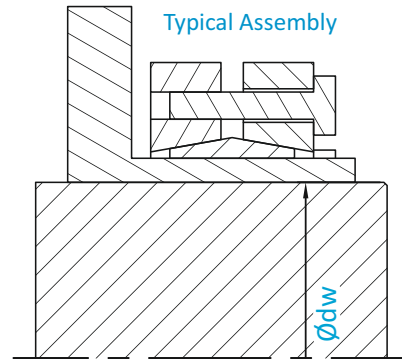
D : Outer Diameter



Dimension Details mm						Torque Mt Nm	Axial Force Fax KN	Screw Details		
								Size	No.	Tightening Torque Nm
Ød x ØD	L1	L2	L3	L4	Ø dw					
14x38	1	9	11	15	10	25	5	M5	4	4
					11	35	6			
					12	50	8			
16x41	2	11	15	19	12	50	8	M5	5	4
					13	71	10			
					14	91	12			
20x50	2.5	14	19	23	15	131	16	M5	6	4
					16	151	17			
					18	202	21			
24x50	2.5	14	19	23	19	181	17	M5	6	4
					20	212	20			
					21	252	22			
30x60	2.5	16	21	25	24	312	24	M5	6	4
					25	343	26			
					26	383	28			
36x72	2.5	18	23	27	28	464	31	M6	5	12
					30	595	37			
					31	635	38			
44x80	2.5	20	25	29	32	635	37	M6	7	12
					35	786	42			
					36	867	45			
50x90	2.5	22	27	31	38	948	47	M6	8	12
					40	1109	53			
					42	1310	58			
55x100	3.5	23	30	34	42	1210	55	M6	8	12
					45	1512	63			
					48	1915	76			
62x110	3.5	23	30	34	48	1814	72	M6	10	12
					50	2218	84			
					52	2419	88			
68x115	3.5	23	30	34	50	2016	77	M6	10	12
					55	2520	86			
					60	3125	96			
75x138	3.5	25	32	37	55	2520	86	M8	7	30
					60	3226	96			
					65	3931	115			
80x145	3.5	25	32	37	60	101	96	M8	7	30
					65	121	115			
					70	131	125			
90x155	4.5	30	39	44	65	4738	134	M8	10	30
					70	6048	163			
					75	7258	182			
100x170	5	34	44	49	70	6350	173	M8	12	30
					75	7560	192			
					80	9072	211			
110x185	5.5	39	50	56	75	7258	182	M10	9	59
					80	9072	211			
					85	10483	230			

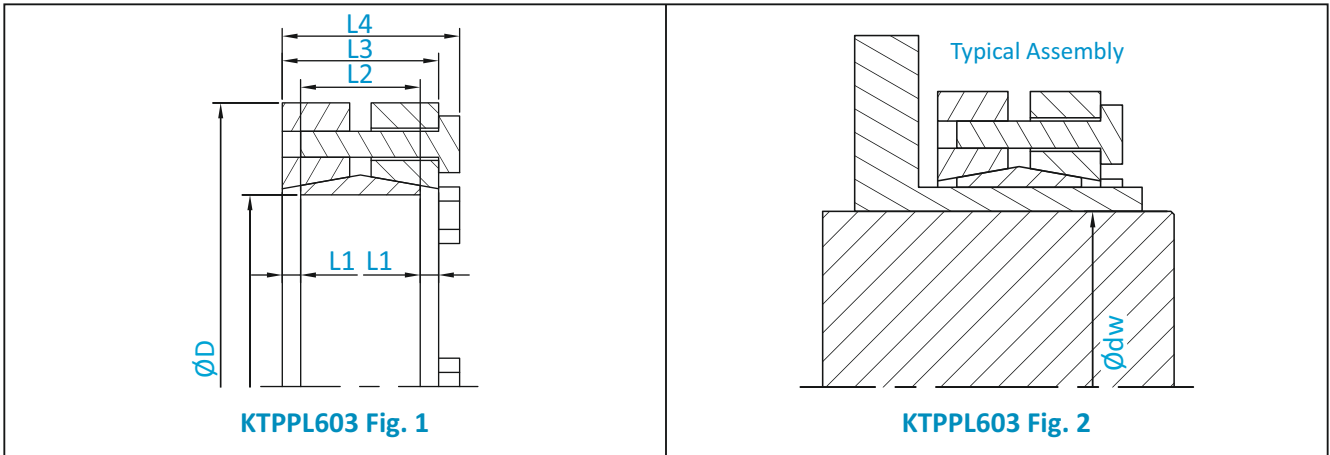


KTPPL603 Fig. 1



KTPPL603 Fig. 2

Dimension Details mm						Torque Mt Nm	Axial Force Fax KN	Screw Details		
								Size	No.	Tightening Torque Nm
Ød x ØD	L1	L2	L3	L4	Ø dw					
115x185	5.5	39	50	56	80	8568	201	M10	9	59
					85	9374	201			
					90	11390	240			
120x215	5	42	52	58	80	10584	249	M10	12	59
					85	12197	268			
					90	14515	307			
125x215	5	42	52	58	85	11088	240	M10	12	59
					90	13104	268			
					95	15120	297			
130x215	5	42	52	58	90	12096	249	M10	12	59
					95	14515	288			
					100	17136	326			
140x230	7	46	60	68	95	15019	297	M12	10	100
					100	17136	326			
					105	20160	364			
155x265	7	50	64	72	105	20160	364	M12	12	100
					110	23184	393			
					115	26208	431			
160x265	7	50	64	72	110	22075	374	M12	12	100
					115	25402	412			
					120	28829	451			
165x290	7.5	56	71	81	115	31752	518	M16	8	250
					120	35885	566			
					125	39312	594			
170x290	7.5	56	71	81	120	31954	499	M16	8	250
					125	36086	546			
					130	40320	585			
175x300	7.5	56	71	81	125	34776	527	M16	8	250
					130	39211	566			
					135	43747	614			
180x300	7.5	56	71	81	130	36994	537	M16	8	250
					135	41429	575			
					140	46066	623			
185x330	7.5	71	86	96	135	49594	690	M16	10	250
					140	55037	748			
					145	60883	796			
190x330	7.5	71	86	96	140	52315	709	M16	10	250
					145	57859	757			
					150	63706	805			
195x350	7.5	71	86	96	140	62093	844	M16	12	250
					150	75096	949			
					155	81950	997			
200x350	7.5	71	86	96	150	71770	901	M16	12	250
					155	78523	959			
					160	85378	1007			
220x370	8	88	104	114	160	91426	1083	M16	15	250
					165	99389	1141			
					170	10685	1189			



Dimension Details mm						Torque Mt Nm	Axial Force Fax KN	Screw Details		
								Size	No.	Tightening Torque Nm
Ød x ØD	L1	L2	L3	L4	Ø dw					
240x405	8	92	108	121	170	119952	1342	M20	12	490
					180	139104	1467			
					190	157248	1572			
260x430	8.5	103	120	133	190	162288	1620	M20	14	490
					200	185472	1764			
					210	205632	1860			
280x460	10	114	134	147	210	214704	1937	M20	16	490
					220	241920	2090			
					230	271152	2234			
300x485	10	122	142	155	230	276192	2282	M20	18	490
					240	298368	2358			
					245	318528	2464			
320x520	10	122	142	155	240	312480	2473	M20	20	490
					250	342720	2608			
					260	375984	2742			
340x570	11	134	156	169	250	384048	2914	M20	24	490
					260	415296	3029			
					270	456624	3212			
360x590	11	140	162	175	280	456624	3097	M20	24	490
					290	498960	3269			
					295	521136	3355			
380x645	11	144	168	183	290	574560	3739	M24	20	840
					300	614880	3902			
					310	665280	4084			
390x660	11	144	168	183	300	630000	3998	M24	21	840
					310	675360	4146			
					320	725760	4314			
400x680	11	144	168	183	315	676368	4094	M24	21	840
					320	700560	4161			
					330	750960	4314			
420x690	12	164	188	203	330	788256	4276	M24	24	840
					340	847728	4794			
					350	909216	4985			
440x750	12	177	202	217	340	811440	4563	M24	24	840
					350	867888	4726			
					360	927360	4909			
460x770	12	177	202	217	360	1008000	5330	M24	28	840
					370	1081584	5580			
					380	1150128	5771			
480x800	12.5	188	213	228	380	1184400	5944	M24	30	840
					390	1260000	6184			
					400	1322496	6308			
500x850	12.5	188	213	230	400	1324512	6299	M27	24	1250
					410	1393056	6462			
					420	1471680	6711			

KTPPL603 S Keyless Clamping Element



This is 3 piece + clamping bolts keyless clamping element.

This is very compact Keyless Clamping Element. This can be used in case of less space availability.

BENEFITS:

- Suitable for High Torque and High Bending Moments.
- Creates low Surface Pressure.
- No axial displacement of Hub / Shaft.
- Torque transmission ranges from 18 Nm to 1560000 Nm for standard sizes.
- Shaft diameter ranges from 14 mm to 190 mm for standard sizes.
- Compact
- Easy assembly and easy dismantling with detaching screws.

REQUIREMENTS:

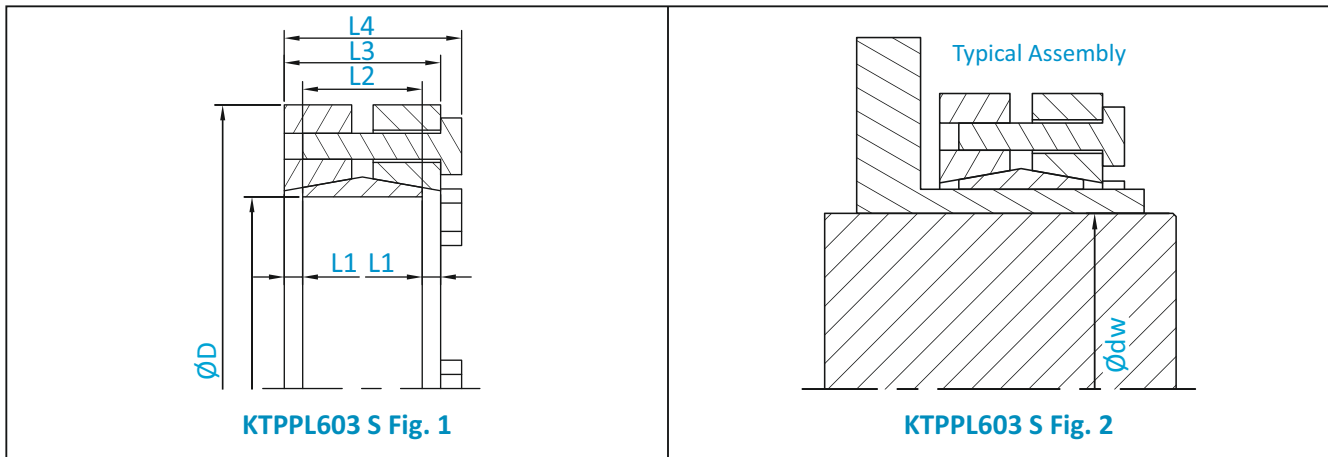
- Shaft diameter tolerance: h9
- dw tolerances combination:
- 18 to 30: H6-j6
- 30 to 50: H6-h6
- 50 to 80: H6-g6
- 80 to 500: H7-g6
- Surface finish of Shaft and Hub: $R_a \leq 3.2 \mu\text{m}$
- Fitting surface free from any grease / lubrication oil / molybdenum disulphide base oil
- Screw tightening as per recommended screw tightening torque.

Ordering Code : KTPPL603 S d x D

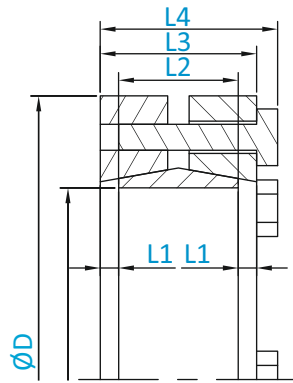
KTPPL603 S: Series Code

d : Inner Diameter

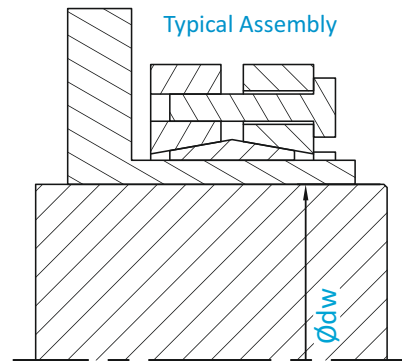
D : Outer Diameter



Dimension Details mm						Torque Mt Nm	Axial Force Fax KN	Screw Details		
								Size	No.	Tightening Torque Nm
Ød x ØD	L1	L2	L3	L4	Ø dw					
14x37	1.5	9	12	15	10	18	3.8	M4	3	2.4
					11	36	6.7			
					12	58	10.0			
16x41	1.5	12	15	18.5	12	69	14.3	M5	4	4
					13	88	17.1			
					14	108	19.0			
18x44	1.5	12	15	18.5	14	88	15.2	M5	4	4
					15	98	17.1			
					16	118	19.0			
20x46	2.75	12	17.5	21	15	108	17.1	M5	5	4
					16	137	20.9			
					17	157	22.8			
21x50	3	16	19	22.5	16	196	29.5	M5	6	5
					17	225	32.3			
					18	255	35.2			
24x50	3	16	19	23	18	235	25.7	M5	6	5
					19	265	26.6			
					20	304	29.5			
30x52	3.5	16	23	27	24	333	31.4	M5	7	5
					25	461	39.9			
					26	529	43.7			
30x60	1.5	19	22	26	22	343	30.4	M5	7	5
					24	441	36.1			
					25	490	38.0			
36x72	2	22	26	30	25	588	50.4	M6	6	12
					28	774	55.1			
					30	784	58.0			
38x72	2	22	26	30	25	510	39.9	M6	6	12
					28	715	49.4			
					30	872	56.1			
40x72	2	22	26	30	27	485	46	M6	6	12
					30	706	60			
					32	774	69			
44x80	2	22	26	30	30	823	55	M6	7	12
					32	931	58			
					35	1205	69			
48x80	2	22	26	30	35	1029	58	M6	7	12
					38	1274	67			
					40	1470	74			

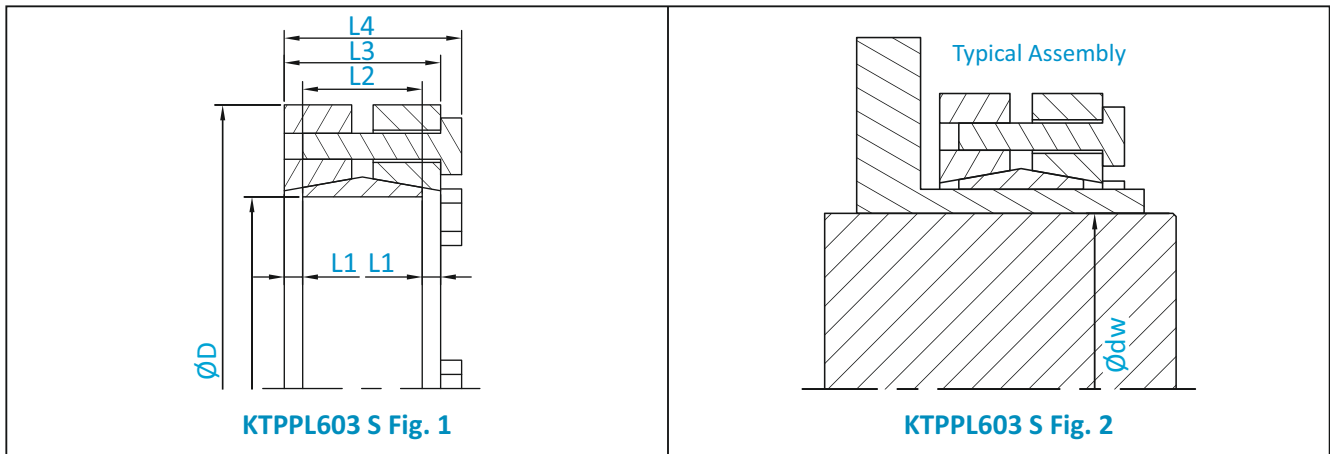


KTPPL603 S Fig. 1



KTPPL603 S Fig. 2

Dimension Details mm						Torque Mt Nm	Axial Force Fax KN	Screw Details		
								Size	No.	Tightening Torque Nm
Ød x ØD	L1	L2	L3	L4	Ø dw					
50x90	3	22	28	32	35	1323	74	M6	9	12
					38	1588	84			
					40	1823	92			
55x100	3	25	31	35	42	1274	77	M6	12	12
					45	1519	86			
					48	1764	95			
62x110	3	25	31	35	45	2475	110	M6	12	12
					50	3218	129			
					55	4010	144			
68x115	3	25	31	35	50	2247	90	M6	10	12
					55	3178	116			
					60	3574	119			
75x138	3.5	26	33	38.3	55	2624	120	M8	7	30
					60	3267	138			
					65	4010	156			
80x145	4	25	33	38.3	60	3168	125	M8	7	30
					65	3861	142			
					70	4554	158			
85x155	4	33	41	46.3	60	5930	198	M8	11	30
					65	7217	222			
					70	9039	258			
90x155	4.5	30	39	44.3	65	4752	172	M8	10	30
					70	5990	193			
					75	7227	213			
95x170	5.5	36	47	52.3	65	7524	233	M8	12	30
					70	9306	267			
					75	11286	301			
100x170	5.5	36	47	52.3	70	6881	200	M8	12	30
					75	7524	221			
					80	9009	243			
110x185	5.5	45	56	62	75	8069	256	M10	10	59
					80	9999	282			
					85	12078	293			
115x185	5.5	45	56	62	80	11682	292	M10	10	59
					85	13464	317			
					90	15543	346			
120x215	5	44	54	60	80	12870	322	M10	12	59
					85	15444	363			
					90	18117	403			



Dimension Details mm						Torque Mt Nm	Axial Force Fax KN	Screw Details		
								Size	No.	Tightening Torque Nm
Ød x ØD	L1	L2	L3	L4	Ø dw					
125x215	5	44	54	60	85	10940	297	M10	12	59
					90	12969	324			
					95	14999	351			
130x215	5	44	54	60	90	15543	346	M10	12	59
					95	18117	381			
					100	20988	420			
135x212	7	63	77	85	95	24948	526	M12	12	100
					100	28710	574			
					105	32769	624			
140x230	7	46	60	68	95	14949	361	M12	10	100
					100	17375	391			
					105	19800	420			
140x304	6	84	96	106	95	43857	924	M16	12	250
					105	56133	1069			
					110	62964	1144			
155x265	7	50	64	72	105	25245	481	M12	12	100
					110	28908	526			
					115	32769	570			
155x263	8	68	84	92	115	42273	736	M12	15	100
					120	47223	787			
					125	52371	838			
160x290	7.5	56	71	81	110	33264	605	M16	8	250
					115	37521	652			
					120	41976	700			
165x290	7.5	56	71	81	115	34155	594	M16	8	250
					120	38610	644			
					125	42867	686			
170x290	7.5	56	71	81	120	38709	645	M16	8	250
					125	42273	676			
					130	46827	721			
175x300	8	98	114	124	120	85833	1373	M16	15	250
					125	94644	1456			
					130	103851	1538			
190x350	8.5	98	117	130	135	109791	1627	M20	12	470
					145	131274	1811			
					155	154539	1994			

KTPPL603 K Stainless Steel Keyless Clamping Element



This is 3 piece + clamping bolts keyless clamping element.

This is very compact Keyless Clamping Element. This can be used in case of less space availability.

BENEFITS:

- Suitable for High Torque and High Bending Moments.
- Creates low Surface Pressure.
- No axial displacement of Hub / Shaft.
- Torque transmission ranges from 171 Nm to 23100 Nm for standard sizes.
- Shaft diameter ranges from 24 mm to 175 mm for standard sizes.
- Compact
- Easy assembly and easy dismantling with detaching screws.

REQUIREMENTS:

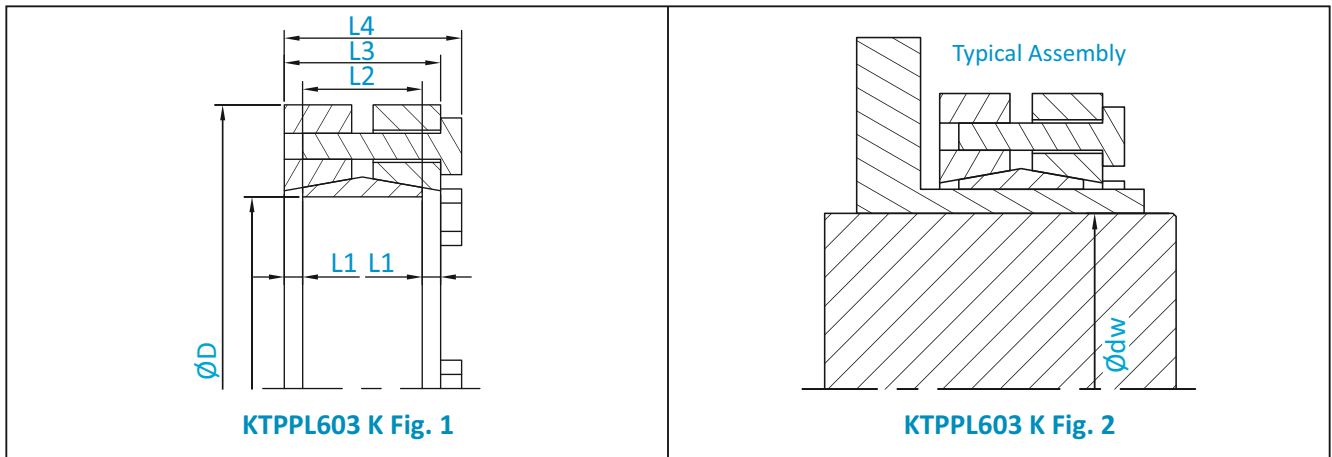
- Shaft diameter tolerance: h9
- dw tolerances combination:
- 18 to 30: H6-j6
- 30 to 50: H6-h6
- 50 to 80: H6-g6
- 80 to 500: H7-g6
- Surface finish of Shaft and Hub: $R_a \leq 3.2 \mu\text{m}$
- Fitting surface free from any grease / lubrication oil / molybdenum disulphide base oil
- Screw tightening as per recommended screw tightening torque.

Ordering Code : KTPPL603 K d x D

KTPPL603 K: Series Code

d : Inner Diameter

D : Outer Diameter



Dimension Details mm						Torque Mt Nm	Axial Force Fax KN	Screw Details		
Ød x ØD	L1	L2	L3	L4	Ø dw			Size	No.	Tightening Torque Nm
24x50	2	14	18	21.5	19	171	19	M5	6	3.9
					20	201	21			
					21	241	23			
30x60	2	16	20	23.5	24	201	17	M5	7	3.9
					25	221	19			
					26	241	20			
36x72	2	18	22	26	28	261	19	M6	5	6.8
					30	332	23			
					31	352	24			
44x80	2	20	24	28	34	352	23	M6	7	6.8
					35	442	26			
					36	482	28			
50x90	2.5	22	27	31	38	533	29	M6	8	6.8
					40	623	32			
					42	734	36			
55x100	3	23	29	33	42	683	33	M6	8	6.8
					45	854	38			
					48	1055	46			
62x110	3	23	29	33	48	1005	44	M6	10	6.8
					50	1206	51			
					52	1357	53			
68x115	3	23	29	33	50	1106	46	M6	10	6.8
					55	1407	52			
					60	1759	28			
75x138	3	25	31	36.3	55	1307	49	M8	7	16
					60	1709	54			
					65	2060	65			
80x145	3	25	31	36.3	60	1709	54	M8	7	16
					65	2060	63			
					70	2362	68			
85x155	4	30	38	43.3	60	2412	69	M8	10	16
					65	2462	71			
					70	2513	73			
90x155	4	30	38	43.3	65	2563	74	M8	10	16
					70	3216	90			
					75	3819	100			
95x170	4.5	34	43	48.3	65	2613	75	M8	12	16
					70	2814	93			
					75	3116	101			
100x170	4.5	34	43	48.3	70	3317	95	M8	12	16
					75	4020	106			
					80	4824	116			
110x185	5	39	49	55.4	75	3920	102	M10	9	32
					80	4824	118			
					85	5628	129			
125x215	5.5	42	53	59.4	85	5930	135	M10	12	32
					90	7035	150			
					95	8141	166			
130x215	5.5	42	53	59.4	90	6533	140	M10	12	32
					95	7839	161			
					100	9246	182			
140x230	6	46	58	65.5	95	8141	169	M12	10	55
					100	9347	185			
					105	11055	207			
165x290	6	56	68	78	115	17085	289	M16	8	135
					120	19095	316			
					125	21105	343			
175x300	6	56	68	78	125	18593	294	M16	8	135
					130	21105	316			
					135	23115	343			

KTPPL606 Keyless Clamping Element



This is 2 piece + clamping bolts keyless clamping element.

This is very compact Keyless Clamping Element. This can be used in case of less space availability.

BENEFITS:

- Maintains the concentricity of Shaft and Hub.
- Suitable for High Torque and High Bending Moments.
- Creates low Surface Pressure.
- No axial displacement of Hub.
- Torque transmission ranges from 166 Nm to 36345 Nm for standard sizes.
- Shaft diameter ranges from 24 mm to 155 mm for standard sizes.
- Compact
- Easy assembly and easy dismantling with detaching screws.
- Suitable for static, dynamic and impact loads.
- Suitable for high RPM.

REQUIREMENTS:

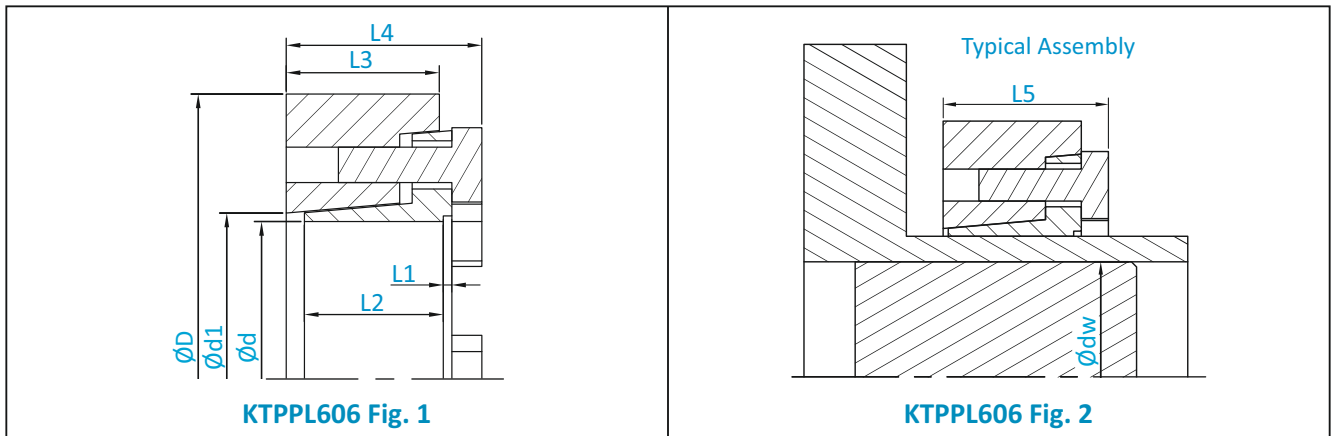
- Shaft diameter tolerance: f9
- dw tolerance: Till $\varnothing$ 160: H7-h6, after $\varnothing$ 160: H7-g6
- Surface finish of Shaft and Hub: $R_a \leq 3.2 \mu\text{m}$
- Fitting surface free from any grease / lubrication oil / molybdenum disulphide base oil
- Screw tightening as per recommended screw tightening torque.

Ordering Code : KTPPL606 d x D

KTPPL606 : Series Code

d : Inner Diameter

D : Outer Diameter



Dimension Details mm								Torque Mt	Axial	Screw Details		
Ød x ØD	L1	L2	L3	L4	L5	Ød1	Øw	Nm	Force Fax	Size	No.	Tightening Torque Nm
							19	166	17			
24x50	1	15	17	22	21	26	20	211	21	M6	5	12
							21	241	22			
30x60	1	17	19	24	23	32	24	281	23	M6	6	35
							25	331	26			
							26	371	28			
36x72	1	19	20.5	27.5	25.8	39	27	482	35	M8	5	35
							30	633	42			
							33	823	49			
40x80	1.5	20.5	22.5	29.5	27.8	47	30	482	32	M8	6	35
							32	582	36			
							34	703	41			
44x80	1.5	20.5	22.5	29.5	27.8	47	34	723	42	M8	6	35
							35	783	44			
							37	924	49			
50x90	1.5	22	24	31	29.3	53	38	1155	60	M8	8	35
							40	1305	65			
							42	1526	72			
55x100	1.5	24.5	27	34.5	32.3	58	42	1305	61	M8	8	35
							45	1606	71			
							48	1908	79			
62x110	1.5	24.5	27	34.5	32.3	66	48	1707	70	M8	9	35
							50	1958	78			
							52	2169	83			
68x115	1.5	24.5	27	35	32.3	72	50	1908	79	M8	9	35
							55	2510	90			
							60	3163	105			
75x138	2	25	28	38	34.4	79	55	2711	98	M10	10	70
							60	3414	113			
							65	4116	126			
80x141	2	25	28	38	34.4	84	60	3313	110	M10	10	70
							65	4116	126			
							70	4970	141			
90x155	2.5	31.5	35	45	41.4	94	65	5522	169	M10	11	70
							70	6626	188			
							75	7932	210			
100x170	2.5	36.5	40	50.5	46.4	104	70	6225	177	M10	14	70
							75	7430	197			
							80	8634	215			
110x185	3	40.5	45.5	57	53	114	80	10542	262	M12	12	121
							85	11847	277			
							90	13755	304			
120x197	3	45	49	61	56.5	124	85	12550	294	M12	14	121
							90	14156	313			
							95	16064	336			
125x215	3	45	49	61.5	56.5	134	90	14558	322	M12	14	121
							95	16666	349			
							100	18875	376			
130x215	3	45	49	61.5	56.5	134	95	17068	357	M12	14	121
							100	18474	368			
							110	22088	400			
130x230	4	47	53	66.5	61.8	139	95	18474	387	M14	12	190
							100	20883	416			
							110	26305	476			
140x230	4	47	53	67	61.8	144	100	19980	398	M14	12	190
							105	22289	422			
							115	27911	483			
150x263	4	51	57	72	65.8	159	110	27108	490	M14	14	190
							120	32128	533			
							125	36345	579			
155x263	4	51	57	72	65.8	159	110	27108	490	M14	14	190
							120	32128	533			
							125	36345	579			

L4: Total Length before full tightening all screws L5: Total Length after full tightening all screws

KTPPL608 Keyless Clamping Element



This is 2 piece + clamping bolts keyless clamping element.

This is very compact Keyless Clamping Element. This can be used in case of less space availability.

BENEFITS:

- Maintains the concentricity of Shaft and Hub.
- Suitable for High Torque and High Bending Moments.
- Creates low Surface Pressure.
- No axial displacement of Hub.
- Torque transmission ranges from 333 Nm to 4267250 Nm for standard sizes.
- Shaft diameter ranges from 30 mm to 620 mm for standard sizes.
- Compact
- Easy assembly and easy dismantling with detaching screws.
- Suitable for static, dynamic and impact loads.
- Suitable for high RPM.

REQUIREMENTS:

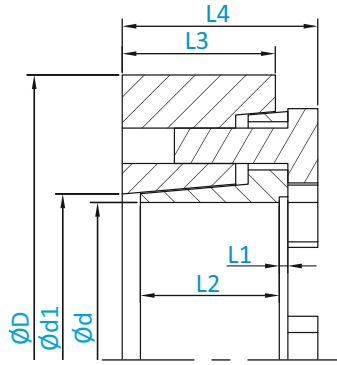
- Shaft diameter tolerance: f9
- dw tolerance: Till $\varnothing$ 160: H7-h6, after $\varnothing$ 160: H7-g6
- Surface finish of Shaft and Hub: $R_a \leq 3.2 \mu\text{m}$
- Fitting surface free from any grease / lubrication oil / molybdenum disulphide base oil
- Screw tightening as per recommended screw tightening torque.

Ordering Code : KTPPL608 d x D

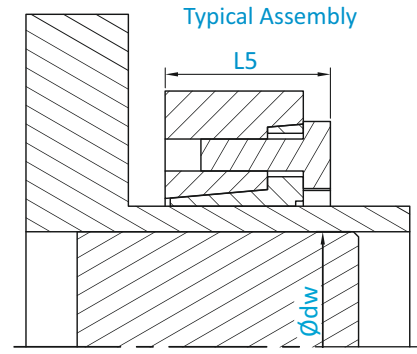
KTPPL608 : Series Code

d : Inner Diameter

D : Outer Diameter

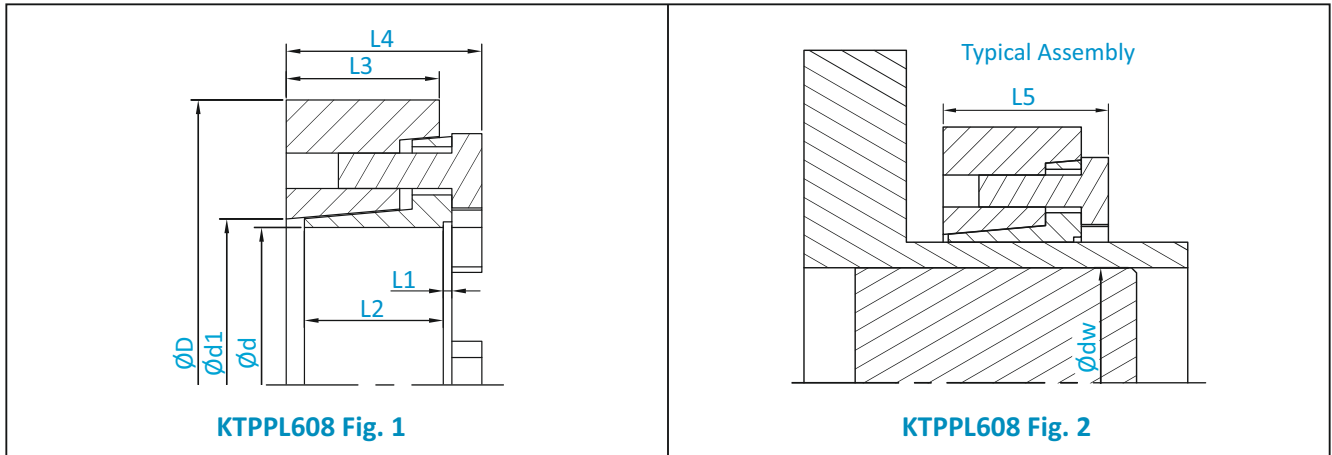


KTPPL608 Fig. 1

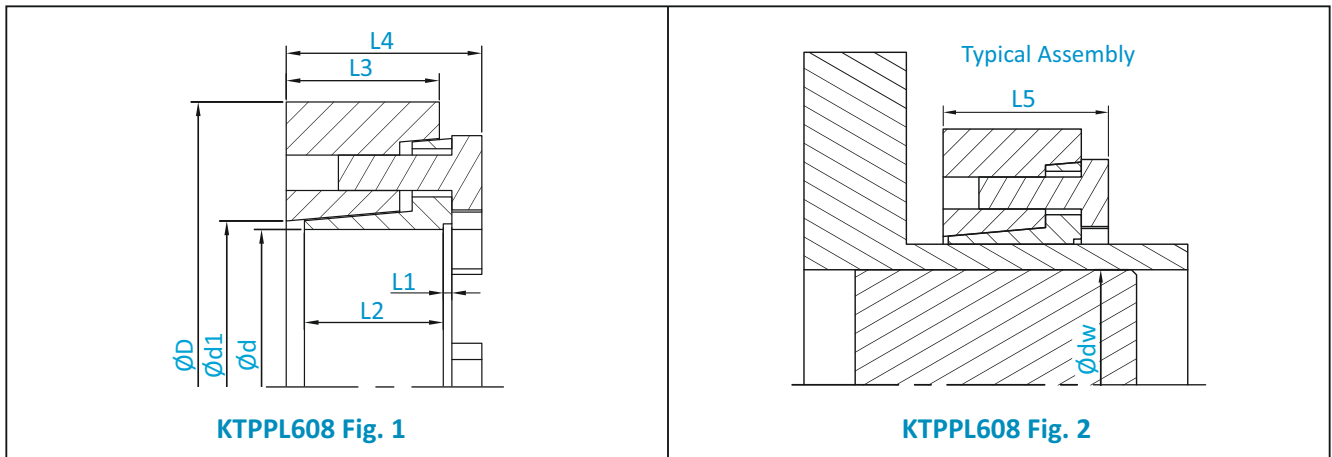


KTPPL608 Fig. 2

Dimension Details mm								Torque Mt Nm	Axial Force Fax KN	Screw Details		
										Size	No.	Tightening Torque Nm
Ød x ØD	L1	L2	L3	L4	L5	Ød1	Øw					
30x60	2	16.5	19	23	25	32	24	333	27	M6	6	12
							25	374	29			
							26	419	31			
36x72	2	18	20.5	25.8	28	38	27	667	48	M8	5	35
							30	859	56			
							33	1081	64			
44x80	2	20	22.5	27.8	30	47	34	960	55	M8	6	35
							35	1040	58			
							37	1212	64			
50x90	2	22	24.5	29.8	33	53	38	1768	93	M8	8	35
							40	2020	101			
							42	2273	106			
55x100	3	23	26.5	31.8	35	58	42	2071	98	M8	8	35
							45	2424	101			
							48	2828	111			
62x110	3	23	26.5	31.8	35	66	48	2929	121	M8	9	35
							50	3232	121			
							52	3586	131			
68x115	3	23	26.5	31.8	35	72	50	3030	121	M8	9	35
							55	3838	131			
							60	4697	151			
75x138	3	25	29	35.4	40	79	55	4949	171	M10	10	70
							60	6161	201			
							65	7474	221			
80x141	3	25	29	35.4	40	84	60	5252	171	M10	10	70
							65	6464	191			
							70	7777	221			
90x155	4	30	35	41.4	46	94	65	6969	211	M10	10	70
							70	8282	231			
							75	9797	251			
100x170	5	34	40	46.4	51	104	70	8888	251	M10	12	70
							75	10454	272			
							80	12120	302			
105x185	6	39	46	53.5	59	114	80	15655	382	M12	12	121
							85	17978	412			
							90	27270	443			
110x185	6	39	46	53.5	59	114	80	15655	382	M12	12	121
							85	17978	412			
							90	20200	443			
120x200	6	42	49	56.5	63	124	85	17372	402	M12	12	121
							90	19897	433			
							95	22523	463			
125x215	6	42	49	56.5	63	132	90	19342	422	M12	12	121
							95	21917	453			
							100	24644	483			
130x230	6	46	53	60.5	68	139	95	26159	543	M12	14	121
							100	29290	583			
							110	36360	654			



Dimension Details mm								Torque Mt Nm	Axial Force Fax KN	Screw Details		
										Size	No.	Tightening Torque Nm
Ød x ØD	L1	L2	L3	L4	L5	Ød1	Øw					
140x230	6	46	53	61.8	71	144	100	27270	543	M14	12	190
							105	30502	573			
							115	37370	644			
150x263	6	50	57	65.8	75	159	110	36057	644	M14	12	190
							115	39895	684			
							125	47975	764			
155x263	6	50	57	65.8	75	159	110	36562	654	M14	12	190
							115	40400	694			
							125	48480	764			
160x290	6	56	63	73	82	169	120	56560	935	M16	12	290
							125	61610	976			
							135	73225	1006			
165x290	6	56	63	73	82	169	120	57065	946	M16	12	290
							125	62115	986			
							135	73225	1006			
170x300	6	56	63	73	82	179	130	61610	935	M16	12	290
							135	67165	986			
							145	78780	1006			
175x300	6	56	63	73	82	179	130	62115	946	M16	12	290
							135	67670	996			
							140	73225	1006			
180x320	6	72	79	89	99	191	140	98475	1308	M16	16	290
							145	106050	1408			
							155	123220	1509			
185x320	6	72	79	89	99	191	140	96960	1308	M16	16	290
							145	105040	1408			
							155	121200	1509			
190x320	7	71	79	89	100	195	150	92920	1207	M16	16	290
							155	99990	1207			
							165	114635	1308			
195x340	7	71	79	89	100	206	150	108070	1408	M16	16	290
							155	116150	1408			
							165	130290	1509			
200x340	7	71	79	89	100	206	150	109080	1408	M16	16	290
							155	117160	1408			
							165	131300	1509			
220x370	7	87	95	107.5	121	228	160	161600	2012	M20	16	490
							170	183820	2112			
							180	208060	2213			
240x405	7	92	100	112.5	127	248	170	191900	2213	M20	18	490
							180	217150	2314			
							200	271690	2615			
260x430	7	102	110	122.5	137	268	190	249470	2615	M20	21	490
							200	279770	2716			
							220	343400	3018			
280x460	7	115	123	135.5	150	288	210	338350	3118	M20	22	490
							220	373700	3319			
							240	453490	3722			



Dimension Details mm								Torque Mt Nm	Axial Force Fax KN	Screw Details		
										Size	No.	Tightening Torque Nm
Ød x ØD	L1	L2	L3	L4	L5	Ød1	Øw					
300x485	8	122	131	146	162	308	220	389860	3521	M24	20	840
							230	429250	3621			
							250	513080	4023			
320x520	8	116	125	140	158	328	240	470155	3822	M24	18	840
							250	514090	4023			
							270	606000	4023			
340x570	8	127	136	151	170	348	250	569640	4526	M24	20	840
							260	618120	4728			
							280	726190	5130			
360x590	8	133	142	157	177	369	270	664580	4828	M24	20	840
							280	719120	5029			
							300	833250	5532			
390x650	8	144	153	172	195	399	290	912030	6236	M30	18	
							300	979700	6438			
							320	1121100	6941			
420x670	4	162	167	189	203	428	320	1094840	6739	M27	20	1250
							330	1169580	7041			
							350	1326130	7544			
440x725	6	173	180	202	222	448	340	1366530	7946	M27	21	1250
							350	1454400	8248			
							370	1637210	8751			
460x760	6	173	180	202	225	468	360	1524090	8349	M27	21	1250
							370	1616000	8650			
							390	1807900	9153			
480x790	3	198	202	226	249	488	380	1878600	9757	M30	21	1600
							390	1985660	10059			
							410	2207860	10662			
500x835	3	195	199	223	244	508	400	2118980	10461	M30	24	1600
							410	2232100	10763			
							430	2469450	11366			
530x870	3	213	216	240	266	538	430	2671450	12372	M30	24	1600
							440	2804770	12573			
							460	3080500	13076			
560x920	3	217	221	245	269	568	450	2805780	12070	M30	24	1600
							460	2941120	12573			
							480	3221900	13076			
590x960	4	232	237	261	284	598	470	3270380	13579	M30	28	1600
							480	3419860	14082			
							500	3729930	14585			
620x970	4	254	259	283	310	630	500	3620850	14082	M30	28	1600
							520	3936980	14585			
							540	4267250	15591			

L4 : Total Length before full tightening all screws L5 : Total Length after full tightening all screws



KULKARNI TRANSPOWER PVT. LTD.

**Manufacturer of Power Transmission Products.
Couplings**



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