

# Self-Aligning Linear Ball Bearings



**THE NEW KX**  
Number One In The Ratings



## Features

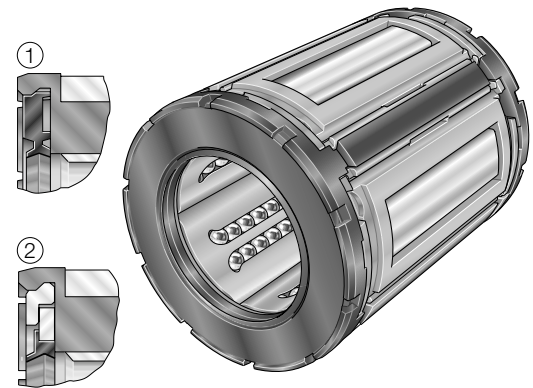
### Self-Aligning Linear Ball Bearings

- Consist of a housing, movable segments and seals
  - housing closed or open
  - segments consist of an upper portion, load plate, rolling elements (balls), and lower portion with ball recirculation raceways
- Compensate bearing center axis misalignment automatically by means of movable segments. This allows shafts to be tilted up to  $\pm 40$  angular minutes without affecting the load carrying capacity or service life of the bearings
- No decreased load ratings due to edge stress within the toleranced shaft-tilt range. This means the bearings can support considerably higher loads than non-aligning linear ball bearings of the same diameter
- Low friction and quiet operation due to
  - the automatic compensation of tilting
  - ground rolling-element raceways in the load plates
- Smoother operation than plain bearings and thus suitable for applications requiring high positioning accuracy
- Allow high speeds and accelerations
- Permit linear guidance systems with unlimited traverse distances
- Supplied with an oil-based preservative coating
- Sealed on both sides with gap seals or double-lip contact seals
  - open linear ball bearings contain in addition integral sealing strips on both sides
- Can replace commercially available linear ball bearings of the same size, even in existing applications
- Can be combined with INA housings and supplied as housing units
- Open design with the appropriate housing is suitable for supported shafts
- Open and split housing allows adjustable clearance and preloading
- Optimally matched, ready-to-install and economical complete linear solutions with long service life when combined with INA housings and INA shafts or INA guideways
- Also available in metric sizes (series KS and KSO: see INA Market Information MAI 71).

### Self-Aligning Linear Ball Bearings



#### KX, KX..PP

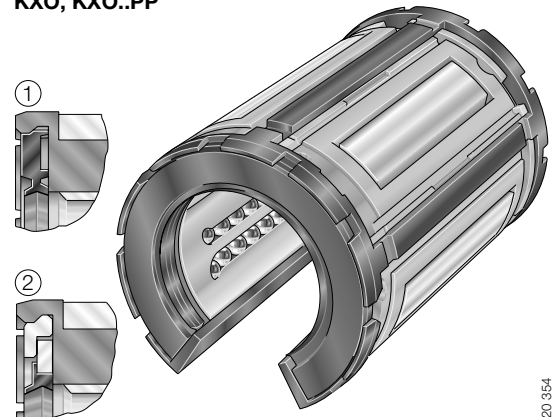


- self-aligning linear ball bearing, closed
- KX with gap seal on both sides ①
- KX..PP with lip seal on both sides ②
- for operating temperatures up to  $+80$  °C
- for shafts from 1/2" to 2"

120 351



#### KXO, KXO..PP



- self-aligning linear ball bearing, open, for supported shafts
- KXO with gap seal on both ① sides KXO..PP with lip seal on both sides ②
- integral gap sealing strips
- for operating temperatures up to  $+80$  °C
- for shafts from 1/2" to 2"

120 354

# Self-Aligning Linear Ball Bearings – Mounted Units

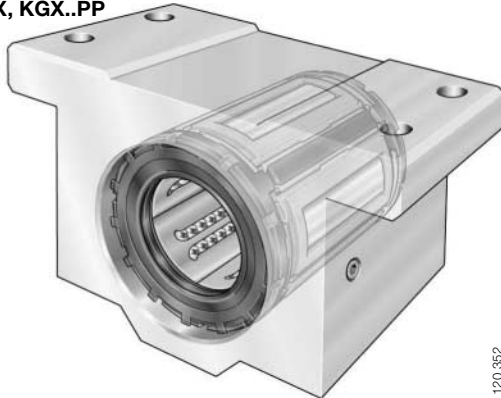


## Features

### Mounted Units



**KGX, KGX..PP**



120 352



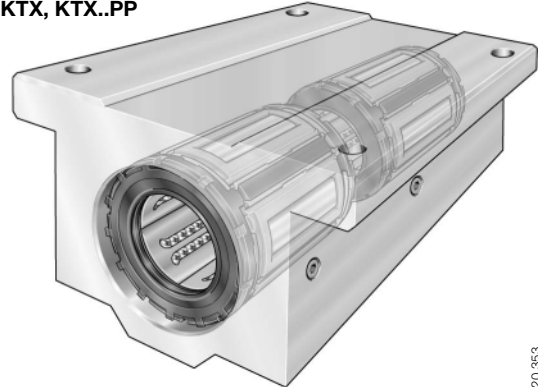
- high-strength aluminum-alloy housing with linear ball bearing KX..PP
- for operating temperatures up to +80 °C
- for shafts from 1/2" to 2"

6

### Tandem Mounted Units



**KTX, KTX..PP**

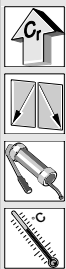


120 353



- high-strength aluminum-alloy housing with tandem mounted linear ball bearings KX..PP
- for operating temperatures up to +80 °C
- for shafts from 1/2" to 2"

8



**KGXO, KGXO..PP**



120 355

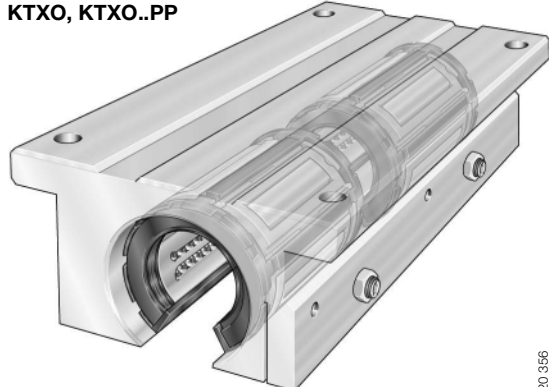


- high-strength aluminum-alloy housing, open, split, with linear ball bearing KXO..PP
- adjustable clearance and suitable for supported shafts
- for operating temperatures up to +80 °C
- for shafts from 1/2" to 2"

6



**KTXO, KTXO..PP**



120 356



- high-strength aluminum-alloy housing, open, split, with tandem mounted linear ball bearings KXO..PP
- adjustable clearance and suitable for supported shafts
- for operating temperatures up to +80 °C
- for shafts from 1/2" to 2"

8

# Shafts



## Features

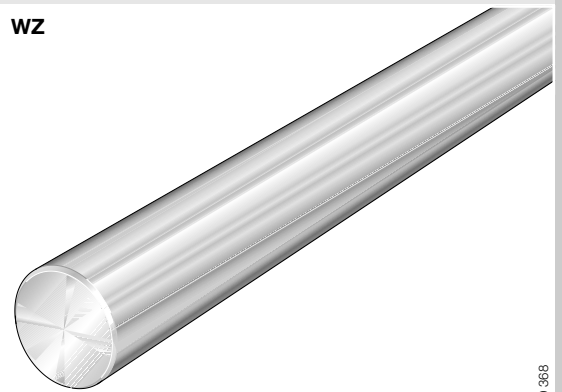
### Shafts

- High-precision raceways for INA linear ball bearings
- Made from quenched and tempered steel with a surface hardness of 670 +170 HV (59 +6 HRC)
  - the uniform effective case depth ensures a continuous transition from the hardened surface layer to the tough core
- Can be loaded with the full load rating for INA self-aligning linear ball bearings
- Standard manufacture in tolerance classes given in the *Dimension Table* (see page 10)
- High degree of accuracy (roundness and parallelism)
- Available as one-piece units in lengths of up to 6 000 mm, depending on the diameter
  - longer shafts available on request
  - shaft ends are chamfered after the shaft is cut to length
- Can be designed to include axial or radial tapped location holes
- Special designs also available with ends different than those on the standard design
- Allow linear guidance systems with high load-carrying capacity, rigidity and precision, as well as a long service life
- Optimally matched, ready-to-install and economical shaft guidance systems when combined with INA linear ball bearings or linear ball bearing and housing units
- Also suitable for the following applications in addition to their use as raceways for INA linear ball bearings:
  - guide rods for bushings
  - column guides for stud-type and yoke-type track rollers
  - drawing and straightening rollers
  - shafts and axles in a wide variety of applications

### Shafts



#### WZ



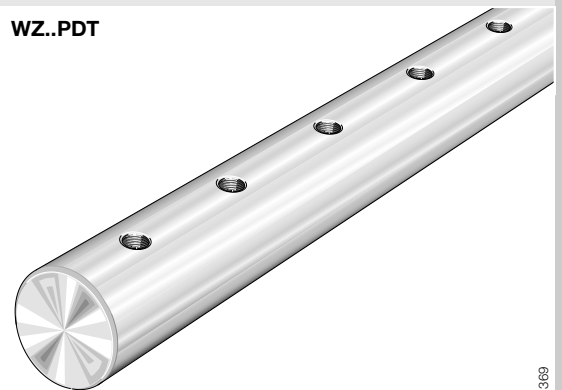
120 366



- precision ground shaft made from quenched and tempered steel
- standard design includes class “L” and stainless steel
- diameters from 1/4” to 2”



#### WZ..PDT



120 369

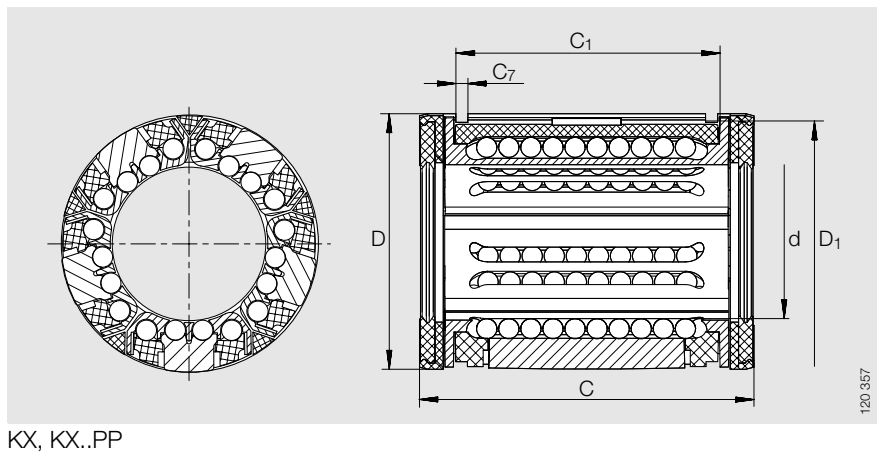


- precision ground shaft made from quenched and tempered steel
- standard design includes class “L” and stainless steel
- radial tapped holes for location, e.g. on a carriage
- diameters from 1/2” to 2”

# Self-Aligning Linear Ball Bearings

closed and open  
with gap seal or  
contact seal on both sides

Series KX  
KX..PP  
KXO  
KXO..PP

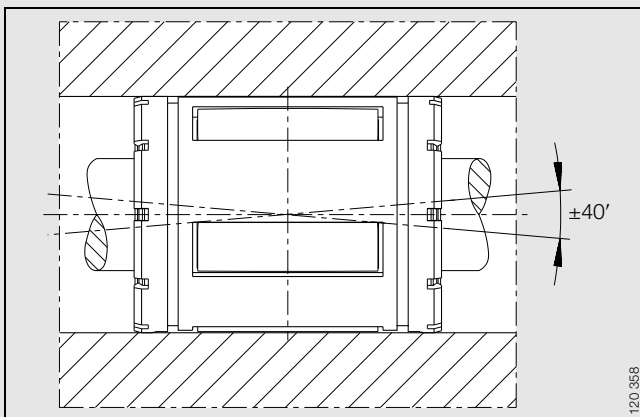


KX, KX..PP

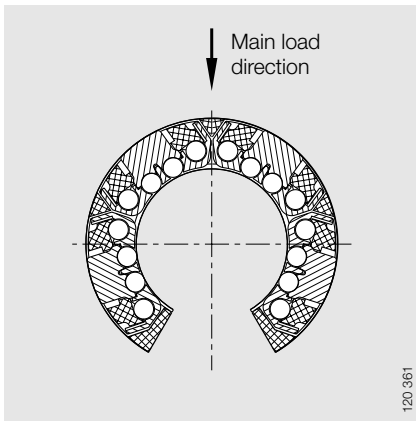
Dimension Table · Inch Dimensions

Shaft Diameter	Design Types KX <sup>1)</sup> Designation	Weight lbs.	Design Types KX..PP <sup>2)</sup> Designation	Weight lbs.	Design Types KXO <sup>1)</sup> Designation	Weight lbs.	Design Types KXO..PP <sup>2)</sup> Designation	Weight lbs.	Dimensions	
									d	D
1/2	<b>KX 08</b>	0,0430	<b>KX 08 PP</b>	0,0452	–	–	–	–	0,500 <sub>-0,005</sub>	0,875
	–	–	–	–	<b>KXO 08</b>	0,0317	<b>KXO 08 PP</b>	0,0340	0,500 <sub>-0,005</sub>	0,875
5/8	<b>KX 10</b>	0,0875	<b>KX 10 PP</b>	0,0924	–	–	–	–	0,625 <sub>-0,005</sub>	1,125
	–	–	–	–	<b>KXO 10</b>	0,0719	<b>KXO 10 PP</b>	0,0756	0,625 <sub>-0,005</sub>	1,125
3/4	<b>KX 12</b>	0,1155	<b>KX 12 PP</b>	0,1202	–	–	–	–	0,750 <sub>-0,005</sub>	1,250
	–	–	–	–	<b>KXO 12</b>	0,0948	<b>KXO 12 PP</b>	0,0985	0,750 <sub>-0,005</sub>	1,250
1	<b>KX 16</b>	0,2425	<b>KX 16 PP</b>	0,2535	–	–	–	–	1,000 <sub>-0,005</sub>	1,563
	–	–	–	–	<b>KXO 16</b>	0,1962	<b>KXO 16 PP</b>	0,2055	1,000 <sub>-0,005</sub>	1,563
1 1/4	<b>KX 20</b>	0,4861	<b>KX 20 PP</b>	0,5093	–	–	–	–	1,250 <sub>-0,006</sub>	2,000
	–	–	–	–	<b>KXO 20</b>	0,3933	<b>KXO 20 PP</b>	0,4087	1,250 <sub>-0,006</sub>	2,000
1 1/2	<b>KX 24</b>	0,7749	<b>KX 24PP</b>	0,8029	–	–	–	–	1,500 <sub>-0,006</sub>	2,375
	–	–	–	–	<b>KXO 24</b>	0,6283	<b>KXO 24 PP</b>	0,6530	1,500 <sub>-0,006</sub>	2,375
2	<b>KX 32</b>	1,5139	<b>KX 32 PP</b>	1,5587	–	–	–	–	2,000 <sub>-0,008</sub>	3,000
	–	–	–	–	<b>KXO 32</b>	1,2269	<b>KXO 32 PP</b>	1,2632	2,000 <sub>-0,008</sub>	3,000

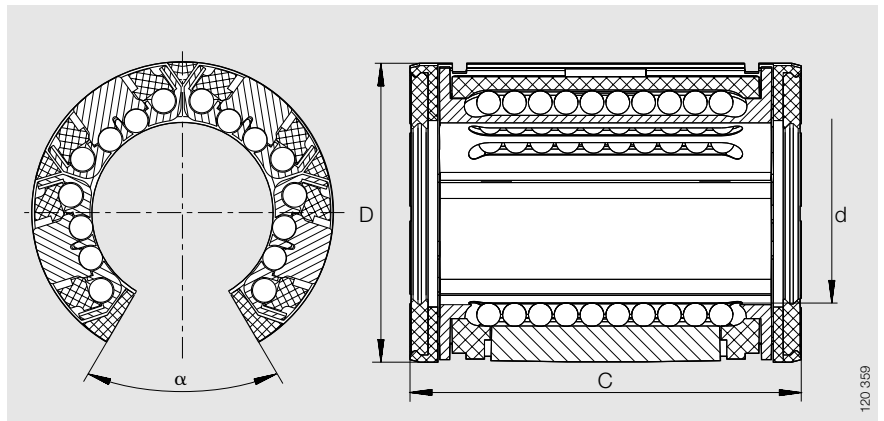
- 1) Gap seal on both sides.
- 2) Contact seal on both sides.
- 3) Load ratings apply only for hardened (670 +170 HV) and ground shaft raceways.
- 4) Load rating in main load direction.
- 5) Load ratings to ISO/CD 14 728-1 (maximum values).



Misalignment compensation ±40'

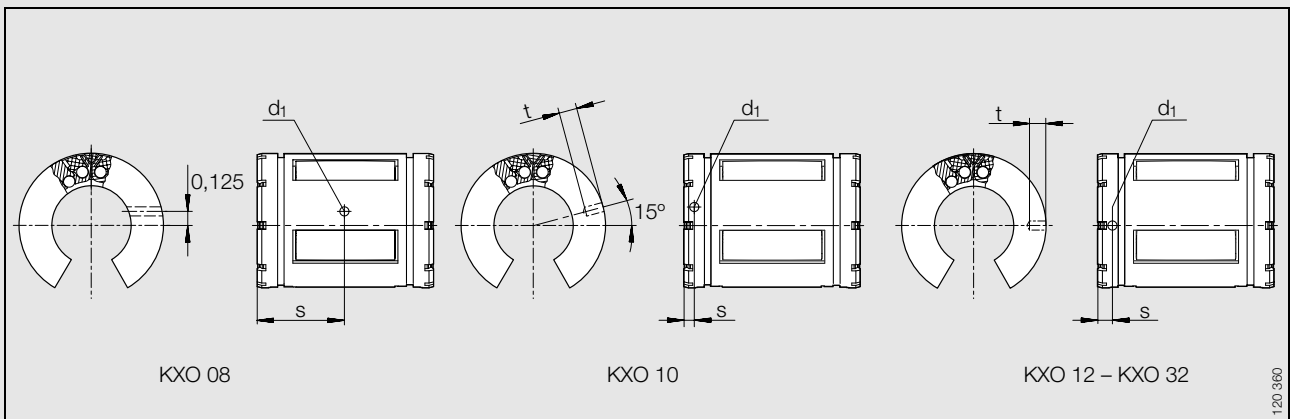


KXO, KXO..PP  
Main load direction<sup>4)</sup>



KXO, KXO..PP

C	D <sub>1</sub>	C <sub>7</sub>	C <sub>1</sub>	α deg.	Location Hole			Number of Ball Rows	Load Ratings <sup>3)5)</sup>		Shaft Diameter
					d <sub>1</sub>	t	S		dyn. C lbf	stat. C <sub>0</sub> lbf	
1,250 <sub>-0,020</sub>	0,821	0,046	1,032 <sub>-0,020</sub>	-	-	-	-	6	275	200	1/2
1,250 <sub>-0,020</sub>	-	-	1,032 <sub>-0,020</sub>	60	0,136	-	0,625	4	260 <sup>4)</sup>	190 <sup>4)</sup>	
1,500 <sub>-0,020</sub>	1,059	0,056	1,112 <sub>-0,020</sub>	-	-	-	-	10	290	260	5/8
1,500 <sub>-0,020</sub>	-	-	1,112 <sub>-0,020</sub>	60	0,105	0,039	0,125	8	290 <sup>4)</sup>	260 <sup>4)</sup>	
1,625 <sub>-0,020</sub>	1,176	0,056	1,272 <sub>-0,020</sub>	-	-	-	-	10	430	370	3/4
1,625 <sub>-0,020</sub>	-	-	1,272 <sub>-0,020</sub>	60	0,136	0,059	0,125	8	430 <sup>4)</sup>	370 <sup>4)</sup>	
2,250 <sub>-0,020</sub>	1,469	0,068	1,886 <sub>-0,020</sub>	-	-	-	-	10	810	720	1
2,250 <sub>-0,020</sub>	-	-	1,886 <sub>-0,020</sub>	64	0,136	0,047	0,125	8	810 <sup>4)</sup>	720 <sup>4)</sup>	
2,625 <sub>-0,025</sub>	1,886	0,068	2,011 <sub>-0,025</sub>	-	-	-	-	10	1490	1190	1 1/4
2,625 <sub>-0,025</sub>	-	-	2,011 <sub>-0,025</sub>	64	0,201	0,090	0,188	8	1490 <sup>4)</sup>	1190 <sup>4)</sup>	
3,000 <sub>-0,030</sub>	2,239	0,086	2,422 <sub>-0,030</sub>	-	-	-	-	10	2090	1550	1 1/2
3,000 <sub>-0,030</sub>	-	-	2,422 <sub>-0,030</sub>	64	0,201	0,090	0,188	8	2090 <sup>4)</sup>	1550 <sup>4)</sup>	
4,000 <sub>-0,040</sub>	2,838	0,103	3,206 <sub>-0,040</sub>	-	-	-	-	10	3500	2750	2
4,000 <sub>-0,040</sub>	-	-	3,206 <sub>-0,040</sub>	60	0,265	0,090	0,312	8	3500 <sup>4)</sup>	2750 <sup>4)</sup>	

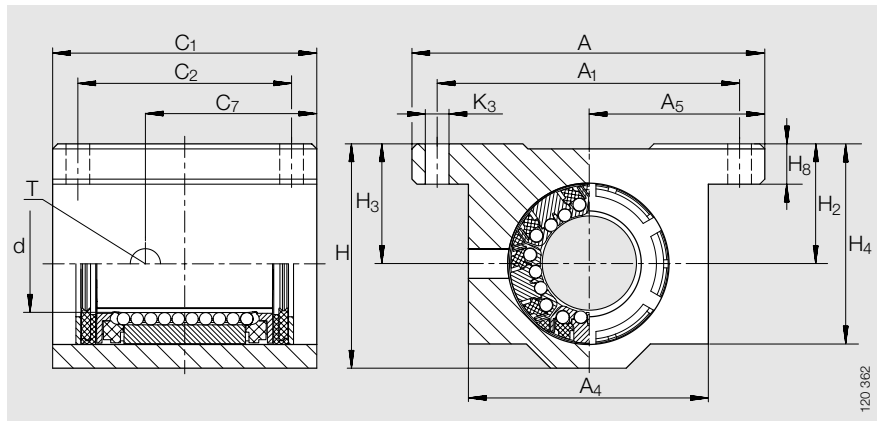


Location holes

# Self-Aligning Mounted Units

closed and open  
Linear ball bearing with gap seal  
or contact seal on both sides

Series KGX  
KGX..PP  
KGXO  
KGXO..PP

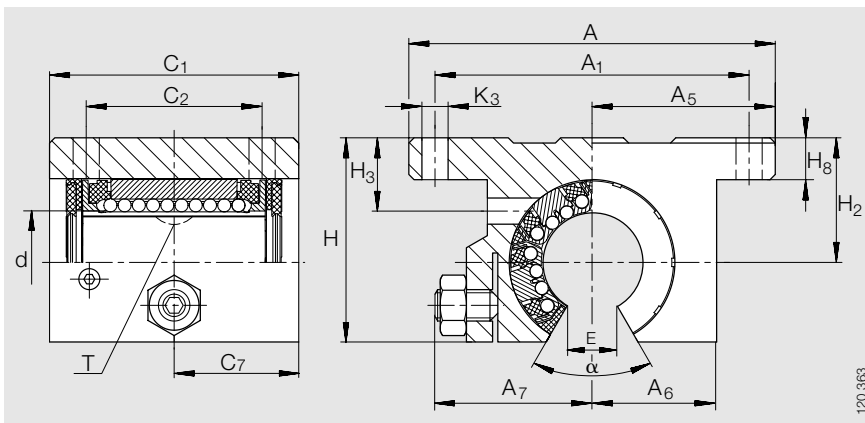


KGX, KGX..PP

**Dimension Table** · Inch Dimensions

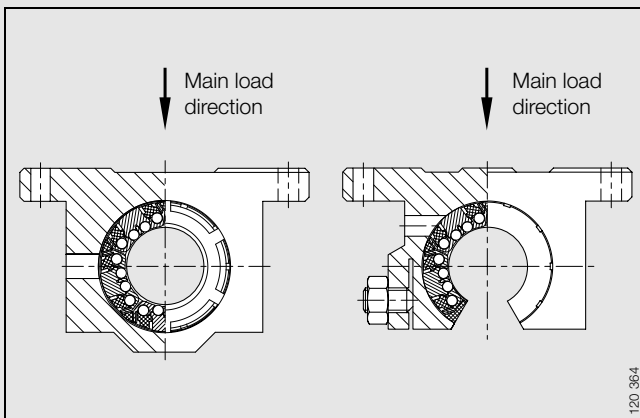
Shaft Diameter	Design Types				Weight	Dimensions						
	KGX <sup>1)</sup>	KGXO..PP <sup>2)</sup>	KGXO <sup>1)</sup>	KGXO..PP <sup>2)</sup>		d	A	H	A <sub>4</sub>	A <sub>5</sub>	A <sub>6</sub>	A <sub>7</sub>
	Designation	Designation	Designation	Designation	lbs.					±0,001		
1/2	<b>KGX 08</b>	<b>KGX 08 PP</b>	–	–	0,249	0,500	2,000	1,250	1,375	1,000	–	–
	–	–	<b>KGXO 08</b>	<b>KGXO 08 PP</b>	0,216	0,500	2,000	1,100	–	1,000	0,688	0,905
5/8	<b>KGX 10</b>	<b>KGX 10 PP</b>	–	–	0,464	0,625	2,500	1,625	1,750	1,250	–	–
	–	–	<b>KGXO 10</b>	<b>KGXO 10 PP</b>	0,395	0,625	2,500	1,375	–	1,250	0,875	1,095
3/4	<b>KGX 12</b>	<b>KGX 12 PP</b>	–	–	0,581	0,750	2,750	1,750	1,875	1,375	–	–
	–	–	<b>KGXO 12</b>	<b>KGXO 12 PP</b>	0,495	0,750	2,750	1,535	–	1,375	0,937	1,161
1	<b>KGX 16</b>	<b>KGX 16 PP</b>	–	–	1,213	1,000	3,250	2,188	2,375	1,625	–	–
	–	–	<b>KGXO 16</b>	<b>KGXO 16 PP</b>	1,053	1,000	3,250	1,975	–	1,625	1,188	1,457
1 1/4	<b>KGX 20</b>	<b>KGX 20 PP</b>	–	–	2,430	1,250	4,000	2,813	3,000	2,000	–	–
	–	–	<b>KGXO 20</b>	<b>KGXO 20 PP</b>	2,104	1,250	4,000	2,458	–	2,000	1,500	1,831
1 1/2	<b>KGX 24</b>	<b>KGX 24 PP</b>	–	–	3,573	1,500	4,750	3,250	3,500	2,375	–	–
	–	–	<b>KGXO 24</b>	<b>KGXO 24 PP</b>	3,154	1,500	4,750	2,910	–	2,375	1,750	2,087
2	<b>KGX 32</b>	<b>KGX 32 PP</b>	–	–	7,196	2,000	6,000	4,063	4,500	3,000	–	–
	–	–	<b>KGXO 32</b>	<b>KGXO 32 PP</b>	6,306	2,000	6,000	3,660	–	3,000	2,250	2,638

- 1) Linear ball bearing with gap seal on both sides.
- 2) Linear ball bearing with contact seal on both sides.
- 3) Load ratings apply only for hardened (670 +170 HV) and ground shaft raceways.
- 4) Load rating in main load direction.
- 5) Load ratings to ISO/CD 14 728-1 (maximum values).



KGXO, KGXO..PP

									Mounting Dimensions			Load Ratings <sup>3)5)</sup>		Shaft Diameter
C <sub>1</sub>	C <sub>7</sub>	H <sub>2</sub> ±0,001	H <sub>3</sub>	H <sub>4</sub>	H <sub>8</sub>	T	E	α deg.	A <sub>1</sub> ±0,01	C <sub>2</sub> ±0,01	K <sub>3</sub>	dyn. <sup>4)</sup> C lbf	stat. <sup>4)</sup> C <sub>0</sub> lbf	
1,688	0,844	0,687	0,690	1,125	0,250	NIP A1	–	–	1,688	1,000	0,156	275	200	<b>1/2</b>
1,500	0,520	0,687	0,370	–	0,250	NIP A1	0,313	30	1,688	1,000	0,156	260	190	
1,938	1,260	0,875	0,700	1,437	0,281	1/4-28	–	–	2,125	1,125	0,188	290	260	<b>5/8</b>
1,750	0,875	0,875	0,450	–	0,281	1/4-28	0,375	30	2,125	1,130	0,188	290	260	
2,063	1,340	0,937	0,937	1,563	0,313	1/4-28	–	–	2,375	1,250	0,188	430	370	<b>3/4</b>
1,875	0,937	0,937	0,510	–	0,313	1/4-28	0,438	30	2,375	1,250	0,188	430	370	
2,813	1,950	1,187	1,187	1,938	0,375	1/4-28	–	–	2,875	1,750	0,218	810	720	<b>1</b>
2,625	1,312	1,187	0,730	–	0,375	1/4-28	0,563	30	2,875	1,750	0,218	810	720	
3,625	2,430	1,500	1,500	2,500	0,437	1/4-28	–	–	3,500	2,000	0,218	1 490	1 190	<b>1 1/4</b>
3,375	1,688	1,500	0,800	–	0,437	1/4-28	0,625	30	3,500	2,000	0,218	1 490	1 190	
4,000	2,750	1,750	1,750	2,875	0,500	1/4-28	–	–	4,125	2,500	0,281	2 090	1 550	<b>1 1/2</b>
3,750	1,875	1,750	0,840	–	0,500	1/4-28	0,750	30	4,125	2,500	0,281	2 090	1 550	
5,000	3,420	2,125	2,125	3,625	0,625	1/4-28	–	–	5,250	3,250	0,406	3 500	2 750	<b>2</b>
4,750	2,375	2,125	1,100	–	0,625	1/4-28	1,000	30	5,250	3,250	0,406	3 500	2 750	

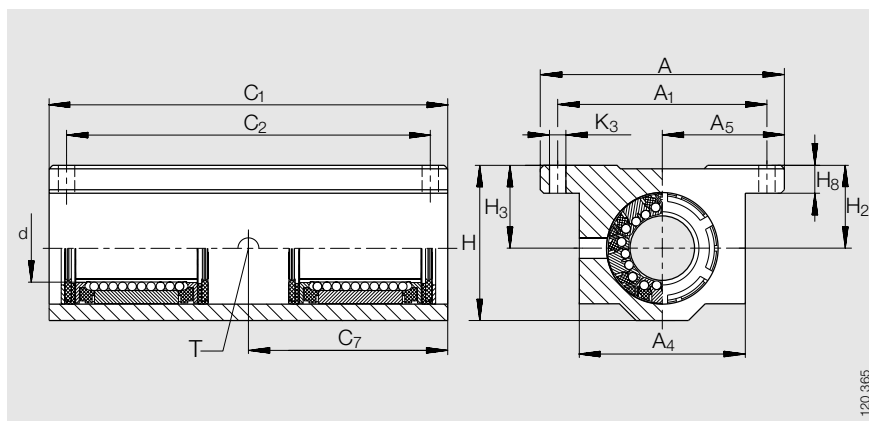


KGX, KGX..PP, KGXO, KGXO..PP  
Main load direction<sup>4)</sup>

# Self-Aligning Tandem Mounted Units

closed and open  
Linear ball bearing with gap seal  
or contact seal on both sides

Series KTX  
KTX..PP  
KTXO  
KTXO..PP



KTX, KTX..PP

**Dimension Table** · Inch Dimensions

Shaft Diameter	Design Types				Weight	Dimensions						
	KTX <sup>1)</sup>	KTX..PP <sup>2)</sup>	KTXO <sup>1)</sup>	KTXO..PP <sup>2)</sup>		d	A	H	A <sub>4</sub>	A <sub>5</sub>	A <sub>6</sub>	A <sub>7</sub>
	Designation	Designation	Designation	Designation	lbs.					±0,001		
1/2	<b>KTX 08</b>	<b>KTX 08 PP</b>	–	–	0,443	0,500	2,000	1,250	1,375	1,000	–	–
	–	–	<b>KTXO 08</b>	<b>KTXO 08 PP</b>	0,369	0,500	2,000	1,100	–	1,000	0,688	0,905
5/8	<b>KTX 10</b>	<b>KTX 10 PP</b>	–	–	1,065	0,625	2,500	1,625	1,750	1,250	–	–
	–	–	<b>KTXO 10</b>	<b>KTXO 10 PP</b>	0,887	0,625	2,500	1,375	–	1,250	0,875	1,095
3/4	<b>KTX 12</b>	<b>KTX 12 PP</b>	–	–	1,253	0,750	2,750	1,750	1,875	1,375	–	–
	–	–	<b>KTXO 12</b>	<b>KTXO 12 PP</b>	1,071	0,750	2,750	1,535	–	1,375	0,937	1,161
1	<b>KTX 16</b>	<b>KTX 16 PP</b>	–	–	2,597	1,000	3,250	2,188	2,375	1,625	–	–
	–	–	<b>KTXO 16</b>	<b>KTXO 16 PP</b>	2,228	1,000	3,250	1,975	–	1,625	1,188	1,457
1 1/4	<b>KTX 20</b>	<b>KTX 20 PP</b>	–	–	5,529	1,250	4,000	2,813	3,000	2,000	–	–
	–	–	<b>KTXO 20</b>	<b>KTXO 20 PP</b>	4,774	1,250	4,000	2,485	–	2,000	1,500	1,831
1 1/2	<b>KTX 24</b>	<b>KTX 24 PP</b>	–	–	8,316	1,500	4,750	3,250	3,500	2,375	–	–
	–	–	<b>KTXO 24</b>	<b>KTXO 24 PP</b>	7,378	1,500	4,750	2,910	–	2,375	1,750	2,087

1) Linear ball bearing with gap seal on both sides.

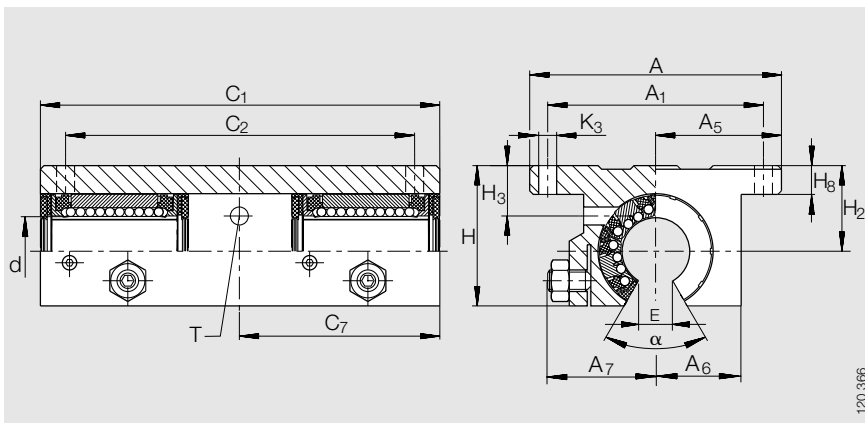
2) Linear ball bearing with contact seal on both sides.

3) Load ratings apply only for hardened (670 +170 HV) and ground shaft raceways.

4) Load rating in main load direction.

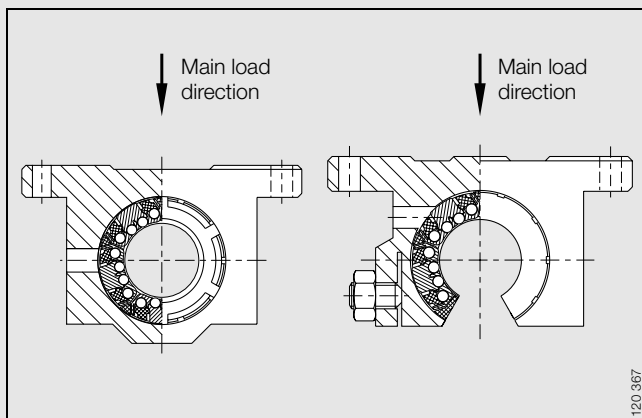
5) Load ratings to ISO/CD 14 728-1 (maximum values).





KTXO, KTXO..PP

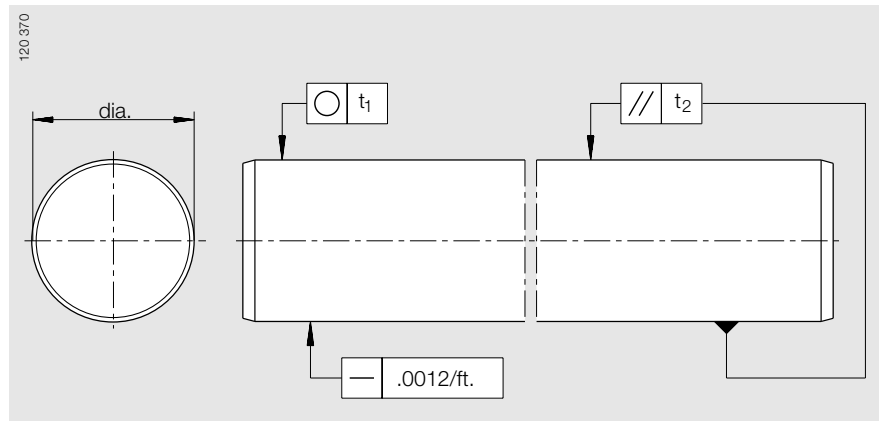
									Mounting Dimensions			Load Ratings <sup>3)5)</sup>		Shaft Diameter
C <sub>1</sub>	C <sub>7</sub>	H <sub>2</sub> ±0,001	H <sub>3</sub>	H <sub>4</sub>	H <sub>8</sub>	T	E	α deg.	A <sub>1</sub> ±0,01	C <sub>2</sub> ±0,01	K <sub>3</sub>	dyn. <sup>4)</sup> C lbf	stat. <sup>4)</sup> C <sub>0</sub> lbf	
3,50	1,750	0,687	0,687	1,125	0,250	NIP A1	–	–	1,688	2,500	0,156	550	400	<b>1/2</b>
3,50	1,750	0,687	0,370	–	0,250	NIP A1	0,313	30	1,688	2,500	0,156	520	380	
4,00	2,000	0,875	0,875	1,437	0,281	1/4-28	–	–	2,125	3,000	0,188	580	520	<b>5/8</b>
4,00	2,000	0,875	0,450	–	0,281	1/4-28	0,375	30	2,125	3,000	0,188	580	520	
4,50	2,250	0,937	0,937	1,563	0,313	1/4-28	–	–	2,375	3,500	0,188	860	740	<b>3/4</b>
4,50	2,250	0,937	0,510	–	0,313	1/4-28	0,438	30	2,375	3,500	0,188	860	740	
6,00	3,000	1,187	1,187	1,938	0,375	1/4-28	–	–	2,875	4,500	0,218	1 620	1 440	<b>1</b>
6,00	3,000	1,187	0,730	–	0,375	1/4-28	0,563	30	2,875	4,500	0,218	1 620	1 440	
7,50	3,750	1,500	1,500	2,500	0,437	1/4-28	–	–	3,500	5,500	0,218	3 000	2 380	<b>1 1/4</b>
7,50	3,750	1,500	0,800	–	0,437	1/4-28	0,625	30	3,500	5,500	0,218	3 000	2 380	
9,00	4,500	1,750	1,750	2,875	0,500	1/4-28	–	–	4,125	6,500	0,218	4 200	3 100	<b>1 1/2</b>
9,00	4,500	1,750	0,800	–	0,500	1/4-28	0,750	30	4,125	6,500	0,281	4 200	3 100	



KTX, KTX..PP, KTXO, KTXO..PP  
Main load direction<sup>4)</sup>

# Shafts

Series WZ



WZ

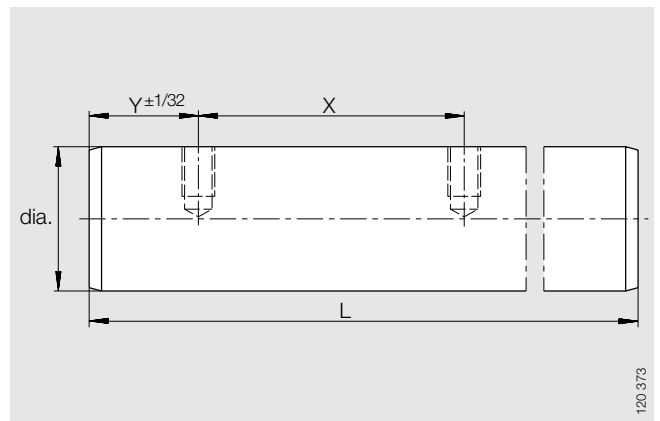
**Dimension Table** · Inch Dimensions

Shaft Diameter	Designation			Tolerance		Roundness	Taper	Case Depth	Surface roughness
	Standard "L" Class	Standard "S" Class	Stainless Steel	Standard Tolerance "L" Class	Standard Tolerance "S" Class	t <sub>1</sub>	t <sub>2</sub> <sup>1)</sup>	min	max
1/4	<b>WZ 0-1/4 L</b>	<b>WZ 0-1/4 S</b>	-	-0,0005/-0,0010	-0,0010/-0,0015	0,0002	0,0002	0,031	RMS 12
3/8	<b>WZ 0-3/8 L</b>	<b>WZ 0-3/8 S</b>	<b>WZ 0-3/8 SS L</b>	-0,0005/-0,0010	-0,0010/-0,0015	0,0002	0,0002	0,031	RMS 12
1/2	<b>WZ 0-1/2 L</b>	<b>WZ 0-1/2 S</b>	<b>WZ 0-1/2 SS L</b>	-0,0005/-0,0010	-0,0010/-0,0015	0,0002	0,0002	0,051	RMS 12
5/8	<b>WZ 0-5/8 L</b>	<b>WZ 0-5/8 S</b>	<b>WZ 0-5/8 SS L</b>	-0,0005/-0,0010	-0,0010/-0,0015	0,0002	0,0003	0,051	RMS 12
3/4	<b>WZ 0-3/4 L</b>	<b>WZ 0-3/4 S</b>	<b>WZ 0-3/4 SS L</b>	-0,0005/-0,0010	-0,0010/-0,0015	0,0002	0,0003	0,051	RMS 12
1	<b>WZ 1-0/0 L</b>	<b>WZ 1-0/0 S</b>	<b>WZ 1-0/0 SS L</b>	-0,0005/-0,0010	-0,0010/-0,0015	0,0002	0,0003	0,063	RMS 12
1-1/8	<b>WZ 1-1/8 L</b>	-	-	-0,0005/-0,0010	-	0,0002	0,0003	0,063	RMS 12
1-1/4	<b>WZ 1-1/4 L</b>	<b>WZ 1-1/4 S</b>	-	-0,0005/-0,0010	-0,0010/-0,0015	0,0002	0,0004	0,063	RMS 12
1-1/2	<b>WZ 1-1/2 L</b>	<b>WZ 1-1/2 S</b>	<b>WZ 1-1/2 SS L</b>	-0,0006/-0,0011	-0,0011/-0,0016	0,0002	0,0004	0,063	RMS 12
2	<b>WZ 2-0/0 L</b>	<b>WZ 2-0/0 S</b>	-	-0,0006/-0,0013	-0,0013/-0,0020	0,0003	0,0005	0,079	RMS 12

<sup>1)</sup> Measured diameter variation.

# Shafts

Series WZ..PDT



WZ..PDT

120 373

**Dimension Table** · Inch Dimensions

Shaft Diameter	Designation		Hole Spacing	Thread Size
	Standard	Stainless Steel	X	d
$\frac{1}{2}$	<b>WZ 0-<math>\frac{1}{2}</math> PDT</b>	<b>WZ 0-<math>\frac{1}{2}</math> SS PDT</b>	4	6 -32
$\frac{5}{8}$	<b>WZ 0-<math>\frac{5}{8}</math> PDT</b>	-	4	8 -32
$\frac{3}{4}$	<b>WZ 0-<math>\frac{3}{4}</math> PDT</b>	<b>WZ 0-<math>\frac{3}{4}</math> SS PDT</b>	6	10 -32
<b>1</b>	<b>WZ 1-<math>\frac{0}{0}</math> PDT</b>	<b>WZ 1-<math>\frac{0}{0}</math> SS PDT</b>	6	$\frac{1}{4}$ -20
<b>1-<math>\frac{1}{4}</math></b>	<b>WZ 1-<math>\frac{1}{4}</math> PDT</b>	-	6	$\frac{5}{16}$ -18
<b>1-<math>\frac{1}{2}</math></b>	<b>WZ 1-<math>\frac{1}{2}</math> PDT</b>	<b>WZ 1-<math>\frac{1}{2}</math> SS PDT</b>	8	$\frac{3}{8}$ -16
<b>2</b>	<b>WZ 2-<math>\frac{0}{0}</math> PDT</b>	-	8	$\frac{1}{2}$ -13



## **INA-Schaeffler KG**

Linear Technology Division  
66406 Homburg (Saar) · Germany  
Internet [www.ina.com](http://www.ina.com)  
E-Mail [info.linear@de.ina.com](mailto:info.linear@de.ina.com)

In Germany:

Phone 0180/5 00 38 72

Fax 0180/5 00 38 73

From Other Countries:

Phone +49/68 41/7 01-0

Fax +49/68 41/7 01-625