

# YOKE<sup>®</sup>

*Safety is our first priority*<sup>™</sup>



Catalog No. TBS2025





go digital!

## YOKE Go Digital !

YOKE Thrust Roller Bearing Swivels with Digital Product Passport (DPP) and RFID technology bring a new level of traceability and pre-use inspection efficiency.

With the integration of BlueSupra NFC-enabled digital chips and the third-party app RiConnect, users can effortlessly access and share product information using a smartphone or tablet. This includes:

- **Product specifications**
- **Safe use instructions**
- **Manufacturer's Certificates**
  - EC Declaration of Conformity
  - UK Declaration of Conformity
  - Certificate of Conformance

The innovative BlueSupra Digital chip design enables seamless smartphone NFC and RFID scanning, making pre-use checks and inspection more intuitive, efficient, and reliable.

**Tech for Safety**

# TECH FOR SAFETY



# Thrust Roller Bearing Swivels







# Advantages and Features of Thrust Roller Bearings in Heavy Lifting Applications



In the heavy lifting industry, equipment must withstand extreme axial loads while maintaining stable performance. Thrust Roller Bearings play a crucial role in ensuring the efficiency and reliability of heavy lifting machinery, such as cranes and industrial presses. With their high load capacity, low friction loss, and exceptional durability, these bearings are an essential component in demanding applications.

## 1. High Load Capacity

Heavy lifting machinery often operates under extreme axial forces. Thrust roller bearings are designed to support large loads efficiently, ensuring stability and durability. Their structure distributes stress evenly, preventing localized overload and deformation.

## 2. Low Friction Loss

Reducing friction is essential in heavy-duty applications, as excessive friction can cause energy loss, heat buildup, and premature wear. Thrust roller bearings utilize advanced lubrication technology and precision engineering to improve operational efficiency and performance.

### Key Benefits:

- **Energy Efficiency:** Lower friction results in reduced power consumption, optimizing overall machinery performance.
- **Extended Maintenance Intervals:** Reduced wear means longer operating cycles between maintenance, lowering operational costs.

By ensuring smooth and efficient rotation, thrust roller bearings contribute to long-term cost savings and enhanced productivity in heavy lifting operations.

## 3. Durability & Long Lifespan

Heavy lifting equipment requires components that can withstand prolonged high-intensity use. Thrust roller bearings are often treated with heat and surface hardening technologies to resist fatigue, impact loads, and harsh environments.

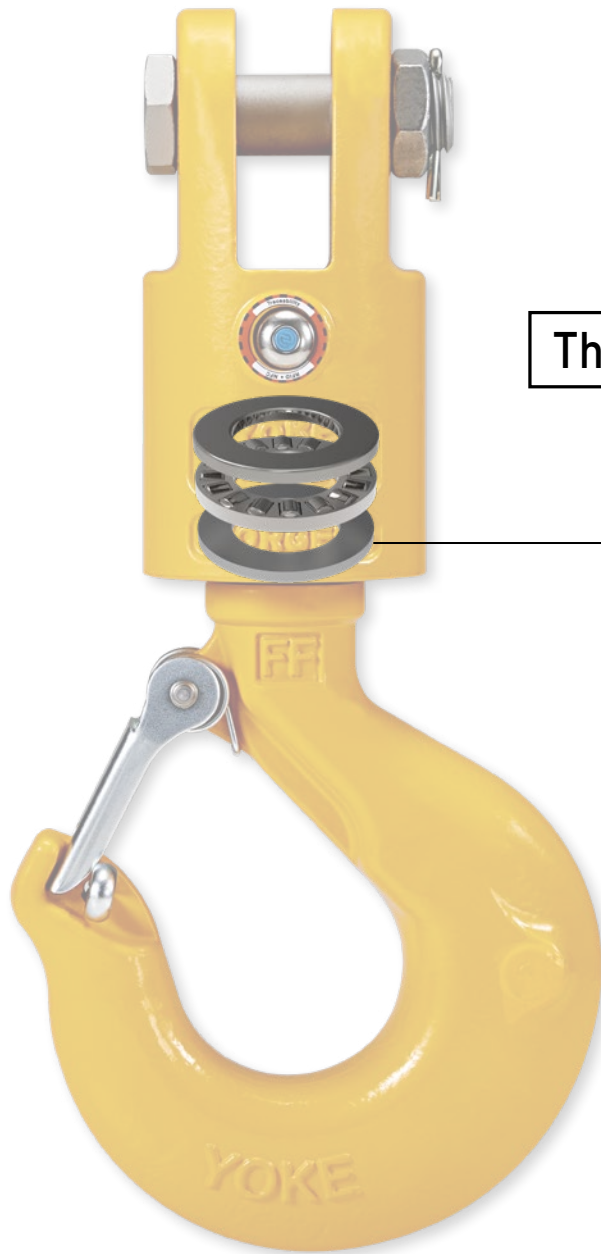
### Practical Benefits:

- **Longer Equipment Lifespan:** Bearings with high durability enhance machinery reliability, reducing downtime and replacement frequency.
- **Adaptability to Harsh Environments:** Whether in port cranes or mining machinery, these bearings are designed to perform under challenging conditions such as high temperatures, humidity, and heavy vibrations.

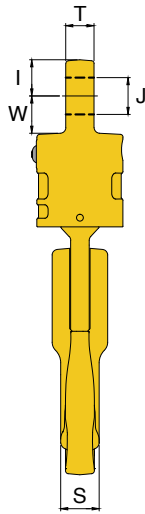
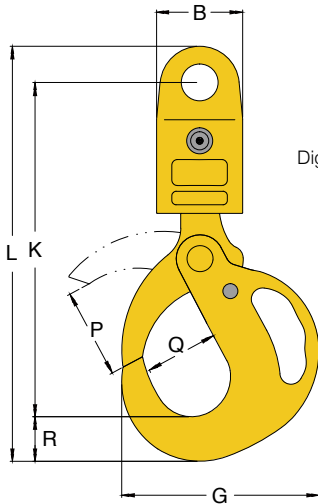
With superior resistance to wear and tear, thrust roller bearings ensure that heavy lifting machinery remains operational and efficient for extended periods.

Thrust roller bearings are essential in heavy lifting applications due to their high load capacity, low friction loss, and exceptional durability. These features enhance equipment performance, reduce maintenance costs, and improve operational efficiency. Whether in construction, industrial manufacturing, or logistics, these bearings play a vital role in ensuring the safety and reliability of heavy lifting machinery.





Thrust Roller Bearings



Digital Chip embedded with Certificate for serial Traceability



- YOKE Thrust Roller Bearing Swivels are Forged alloy steel, quenched and tempered.
- Design factor of 5:1.
- Available in sizes from 3 tonnes to 10 tonnes.
- For wire lines 1/2" to 7/8" diameter (13mm-22mm).
- Coated for corrosion resistance and longer life.
- Manufactured with a grease fitting for enhanced performance.
- Designed for frequent rotation under load.
- All components of YOKE Thrust Roller Bearing Swivels parts are 100% magnaflux crack detected.
- Fatigue rated to 20,000 cycles at 1.5 times the working load limit.
- All YOKE Thrust Roller Bearing Swivels come with a batch number for quality certification and traceability.
- Digital Chip embedded with a certificate and safe use instructions.



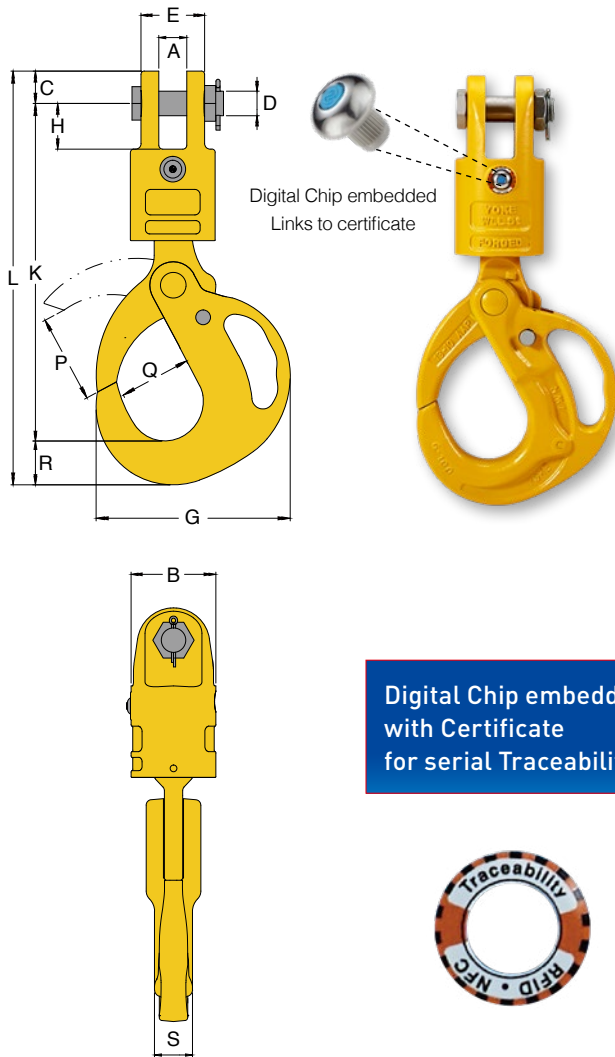
Designed to protect your fingers

### Thrust Roller Bearing Swivels Eye & Grip Locking Hook

Item No.	Nominal Size	Working Load Limit	Dimensions (inch)											N.W.	
			inch	tonnes*	B	G	I	J	K	L	P	Q	R		S
8-321-03	1/2	3.0	2.76	5.39	1.26	1.02	9.43	11.92	2.80	1.93	1.22	1.06	0.75	1.18	8.8
8-321-05	5/8	5.0	2.99	6.85	1.26	1.28	11.61	14.42	3.15	2.52	1.54	1.34	0.98	1.30	15.3
8-321-085	3/4	8.5	4.02	8.35	1.50	1.41	14.25	17.62	4.49	3.07	1.85	1.54	1.26	1.68	28.0
8-321-10	7/8	10.0	4.49	9.88	1.89	1.69	17.70	21.81	5.00	3.62	2.17	2.13	1.69	2.83	47.5

Item No.	Nominal Size	Working Load Limit	Dimensions (mm)											N.W.	
			mm	tonnes*	B	G	I	J	K	L	P	Q	R		S
8-321-03	13	3.0	70	137	32	26	240	303	71	49	31	27	19	30	4.0
8-321-05	16	5.0	76	174	32	33	295	366	80	64	39	34	25	33	7.0
8-321-085	19	8.5	102	212	38	36	362	448	114	78	47	39	32	43	12.7
8-321-10	22	10.0	114	251	48	43	450	554	127	92	55	54	43	72	21.6

\*Design factor 5:1  
Proof load is 2 times the WLL.



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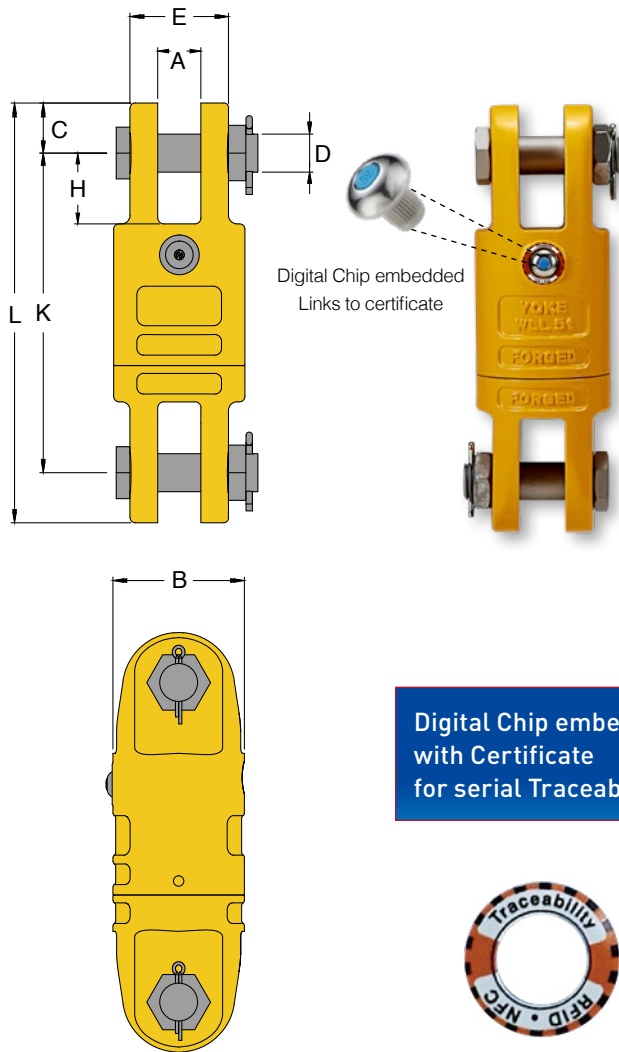
**Designed to protect your fingers**

## Thrust Roller Bearing Swivels Jaw & Grip Locking Hook

Item No.	Nominal Size	Working Load Limit	Dimensions (inch)													N.W.
			inch	tonnes*	A	B	C	D	E	G	H	K	L	P	Q	
8-322-03	1/2	3.0	0.89	2.76	1.00	0.75	1.63	5.39	1.32	9.59	11.82	2.80	1.93	1.22	1.06	9.1
8-322-05	5/8	5.0	0.98	2.99	1.14	0.87	2.24	6.85	1.61	11.91	14.60	3.15	2.52	1.54	1.34	16.4
8-322-085	3/4	8.5	1.57	4.02	1.38	1.00	2.83	8.35	2.13	14.66	17.92	4.49	3.07	1.85	1.54	29.1
8-322-10	7/8	10.0	1.73	4.49	1.73	1.50	3.39	9.88	3.50	18.29	22.24	5.00	3.62	2.17	2.13	50.6

Item No.	Nominal Size	Working Load Limit	Dimensions (mm)													N.W.
			mm	tonnes*	A	B	C	D	E	G	H	K	L	P	Q	
8-322-03	13	3.0	23	70	26	19	42	137	34	244	300	71	49	31	27	4.1
8-322-05	16	5.0	25	76	29	22	57	174	41	303	371	80	64	39	34	7.5
8-322-085	19	8.5	40	102	35	25	72	212	54	372	455	114	78	47	39	13.2
8-322-10	22	10.0	44	114	44	38	86	251	89	465	565	127	92	55	54	23.0

\*Design factor 5:1  
Proof load is 2 times the WLL.



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- Available in sizes from 3 tonnes to 10 tonnes.
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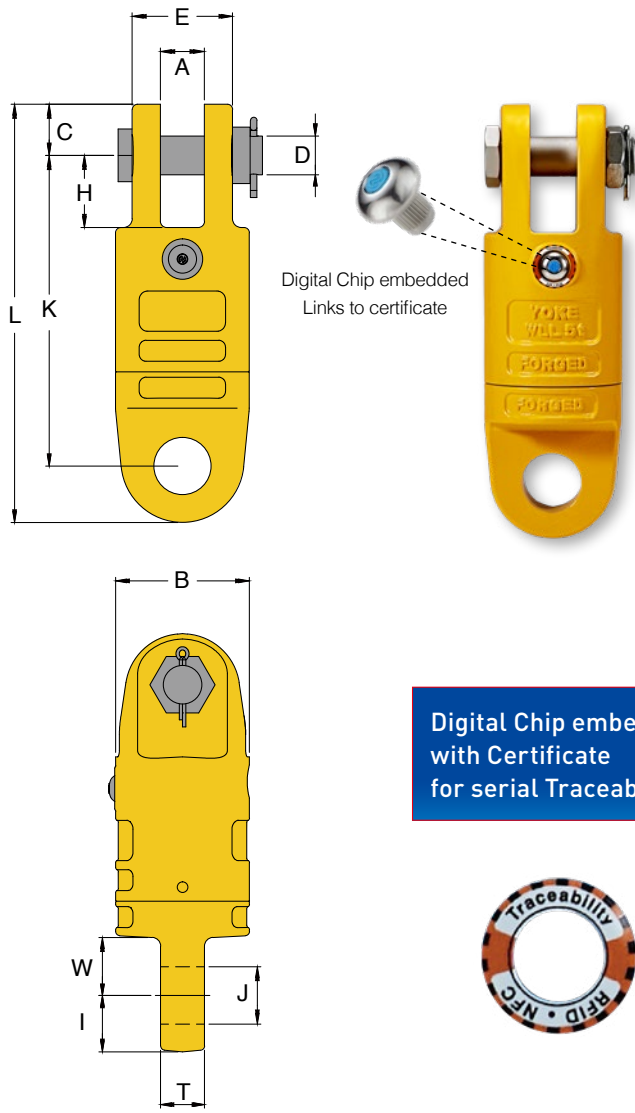
Digital Chip embedded with Certificate for serial Traceability

## Thrust Roller Bearing Swivels Jaw & Jaw

Item No.	Nominal Size	Working Load Limit	Dimensions (inch)								N.W.
	inch		tonnes*	A	B	C	D	E	H	K	
8-323-03	1/2	3.0	0.89	2.76	1.00	0.75	1.63	1.32	6.140	8.15	8.1
8-323-05	5/8	5.0	0.98	2.99	1.14	0.87	2.24	1.61	7.280	9.57	12.5
8-323-085	3/4	8.5	1.57	4.02	1.38	1.00	2.83	2.13	8.900	11.65	23.6
8-323-10	7/8	10.0	1.73	4.49	1.73	1.50	3.39	3.50	12.36	15.83	43.3

Item No.	Nominal Size	Working Load Limit	Dimensions (mm)								N.W.
	mm		tonnes*	A	B	C	D	E	H	K	
8-323-03	13	3.0	23	70	26	19	42	34	156	207	3.7
8-323-05	16	5.0	25	76	29	22	57	41	185	243	5.7
8-323-085	19	8.5	40	102	35	25	72	54	226	296	10.7
8-323-10	22	10.0	44	114	44	38	86	89	314	402	19.7

\*Design factor 5:1  
Proof load is 2 times the WLL.



Digital Chip embedded with Certificate for serial Traceability

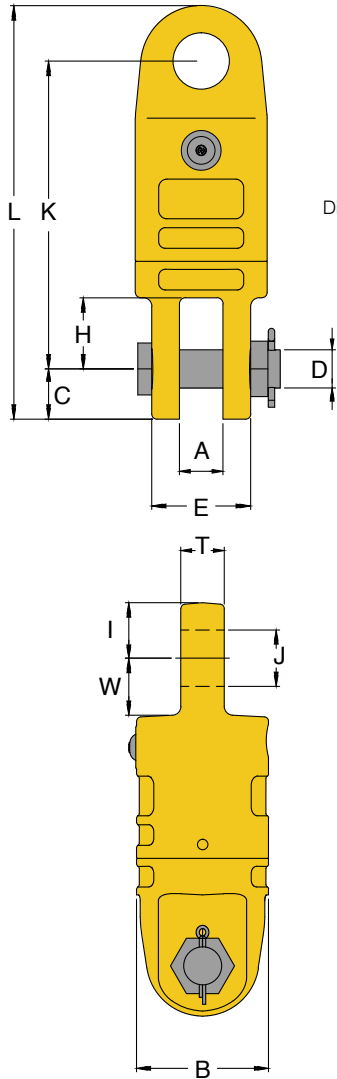
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## Thrust Roller Bearing Swivels Jaw & Eye

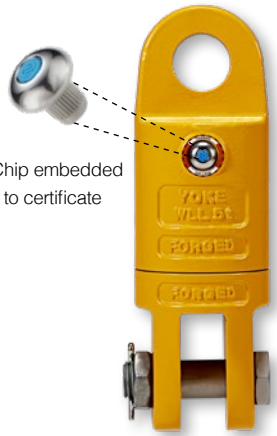
Item No.	Nominal Size	Working Load Limit	Dimensions (inch)											N.W.	
			inch	tonnes*	A	B	C	D	E	H	I	J	K		L
8-324-03	1/2	3.0	0.89	2.76	1.00	0.75	1.63	1.32	1.26	1.02	5.98	8.25	0.75	1.18	7.8
8-324-05	5/8	5.0	0.98	2.99	1.14	0.87	2.24	1.61	1.26	1.28	6.95	9.35	0.98	1.30	11.4
8-324-085	3/4	8.5	1.57	4.02	1.38	1.00	2.83	2.13	1.50	1.41	8.54	11.42	1.26	1.68	22.6
8-324-10	7/8	10.0	1.73	4.49	1.73	1.50	3.39	3.50	1.89	1.69	11.81	15.43	1.69	2.83	40.3

Item No.	Nominal Size	Working Load Limit	Dimensions (mm)											N.W.	
			mm	tonnes*	A	B	C	D	E	H	I	J	K		L
8-324-03	13	3.0	23	70	26	19	42	34	32	26	152	210	19	30	3.5
8-324-05	16	5.0	25	76	29	22	57	41	32	33	177	238	25	33	5.2
8-324-085	19	8.5	40	102	35	25	72	54	38	36	217	290	32	43	10.3
8-324-10	22	10.0	44	114	44	38	86	89	48	43	300	392	43	72	18.3

\*Design factor 5:1  
Proof load is 2 times the WLL.



Digital Chip embedded  
Links to certificate



Digital Chip embedded  
with Certificate  
for serial Traceability



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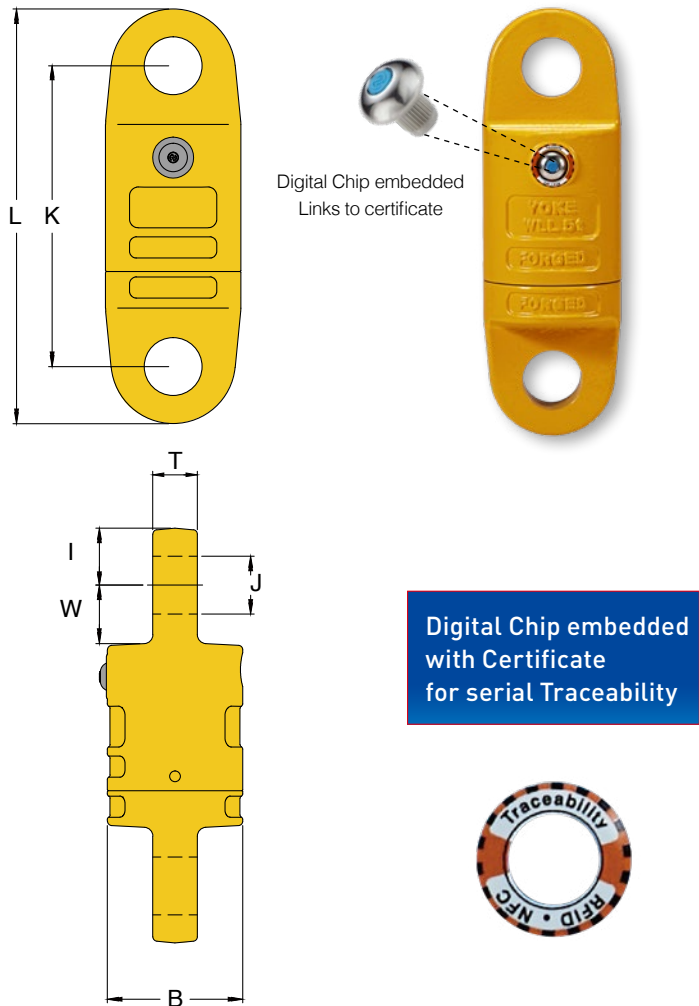
## Thrust Roller Bearing Swivels Eye & Jaw

Item No.	Nominal Size	Working Load Limit	Dimensions (inch)											N.W.	
			inch	tonnes*	A	B	C	D	E	H	I	J	K		L
8-325-03	1/2	3.0	0.89	2.76	1.00	0.75	1.63	1.32	1.26	1.02	5.98	8.25	0.75	1.18	7.8
8-325-05	5/8	5.0	0.98	2.99	1.14	0.87	2.24	1.61	1.26	1.28	6.99	9.39	0.98	1.30	11.4
8-325-085	3/4	8.5	1.57	4.02	1.38	1.00	2.83	2.13	1.50	1.41	8.48	11.36	1.26	1.68	22.5
8-325-10	7/8	10.0	1.73	4.49	1.73	1.50	3.39	3.50	1.89	1.69	11.77	15.39	1.69	2.83	40.2

Item No.	Nominal Size	Working Load Limit	Dimensions (mm)											N.W.	
			mm	tonnes*	A	B	C	D	E	H	I	J	K		L
8-325-03	13	3.0	23	70	26	19	42	34	32	26	152	210	19	30	3.5
8-325-05	16	5.0	25	76	29	22	57	41	32	33	178	239	25	33	5.2
8-325-085	19	8.5	40	102	35	25	72	54	38	36	216	289	32	43	10.2
8-325-10	22	10.0	44	114	44	38	86	89	48	43	299	391	43	72	18.3

\*Design factor 5:1

Proof load is 2 times the WLL.



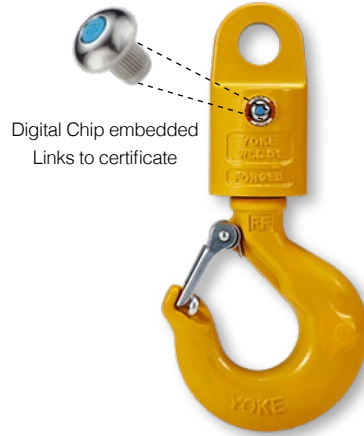
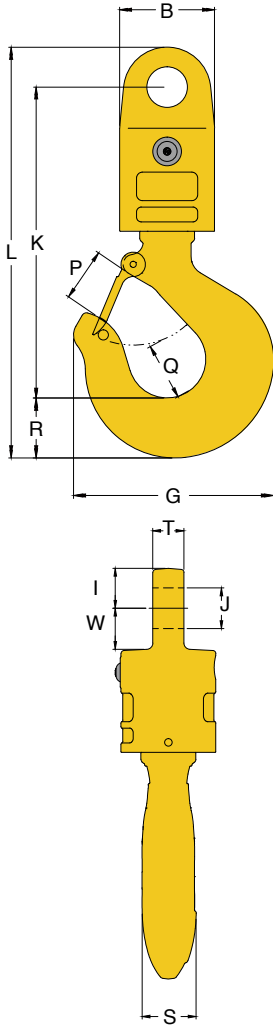
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## Thrust Roller Bearing Swivels Eye & Eye

Item No.	Nominal Size	Working Load Limit	Dimensions (inch)							N.W.
			inch	tonnes*	B	I	J	K	L	
8-326-03	1/2	3.0	2.76	1.26	1.02	5.83	8.35	0.75	1.18	7.5
8-326-05	5/8	5.0	2.99	1.26	1.28	6.65	9.17	0.98	1.30	10.1
8-326-085	3/4	8.5	4.02	1.50	1.41	8.11	11.10	1.26	1.68	21.5
8-326-10	7/8	10.0	4.49	1.89	1.69	11.22	15.00	1.69	2.83	37.2

Item No.	Nominal Size	Working Load Limit	Dimensions (mm)							N.W.
			mm	tonnes*	B	I	J	K	L	
8-326-03	13	3.0	70	32	26	148	212	19	30	3.4
8-326-05	16	5.0	76	32	33	169	233	25	33	4.6
8-326-085	19	8.5	102	38	36	206	282	32	43	9.8
8-326-10	22	10.0	114	48	43	285	381	43	72	16.9

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## Thrust Roller Bearing Swivels Eye & Hook

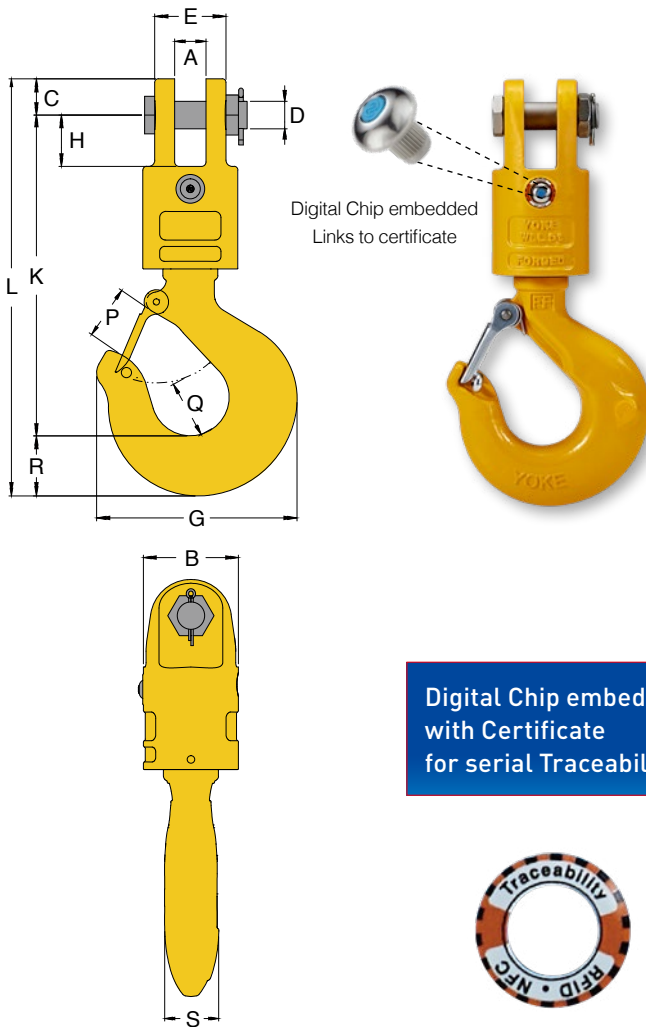
Item No.	Nominal Size	Working Load Limit	Dimensions (inch)											N.W.	
			inch	tonnes*	B	G	I	J	K	L	P	Q	R		S
8-327-03	1/2	3.0	2.76	4.80	1.26	1.02	8.17	10.92	1.42	1.50	1.42	1.30	0.75	1.18	8.7
8-327-05	5/8	5.0	2.99	6.30	1.26	1.28	9.80	12.95	1.69	1.93	1.85	1.65	0.98	1.30	14.7
8-327-085	3/4	8.5	4.02	7.72	1.50	1.41	11.82	15.59	2.40	2.44	2.28	1.89	1.26	1.68	27.7
8-327-10	7/8	10.0	4.49	8.70	1.89	1.69	13.76	18.26	2.44	2.56	2.60	2.20	1.69	2.83	42.8

Item No.	Nominal Size	Working Load Limit	Dimensions (mm)											N.W.	
			mm	tonnes*	B	G	I	J	K	L	P	Q	R		S
8-327-03	13	3.0	70	122	32	26	208	277	36	38	36	33	19	30	4.0
8-327-05	16	5.0	76	160	32	33	249	329	43	49	47	42	25	33	6.7
8-327-085	19	8.5	102	196	38	36	300	396	61	62	58	48	32	43	12.6
8-327-10	22	10.0	114	221	48	43	350	464	62	65	66	56	43	72	19.5

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Digital Chip embedded with Certificate for serial Traceability

## Thrust Roller Bearing Swivels Jaw & Hook

Item No.	Nominal Size	Working Load Limit	Dimensions (inch)													N.W.
			inch	tonnes*	A	B	C	D	E	G	H	K	L	P	Q	
8-328-03	1/2	3.0	0.89	2.76	1.00	0.75	1.63	4.80	1.32	8.33	10.82	1.42	1.50	1.42	1.30	9.0
8-328-05	5/8	5.0	0.98	2.99	1.14	0.87	2.24	6.30	1.61	10.10	13.13	1.69	1.93	1.85	1.65	15.8
8-328-085	3/4	8.5	1.57	4.02	1.38	1.00	2.83	7.72	2.13	12.23	15.89	2.40	2.44	2.28	1.89	28.8
8-328-10	7/8	10.0	1.73	4.49	1.73	1.50	3.39	8.70	3.50	14.35	18.69	2.44	2.56	2.60	2.20	46.0

Item No.	Nominal Size	Working Load Limit	Dimensions (mm)													N.W.
			mm	tonnes*	A	B	C	D	E	G	H	K	L	P	Q	
8-328-03	13	3.0	23	70	26	19	42	122	34	212	275	36	38	36	33	4.1
8-328-05	16	5.0	25	76	29	22	57	160	41	257	334	43	49	47	42	7.2
8-328-085	19	8.5	40	102	35	25	72	196	54	311	404	61	62	58	48	13.1
8-328-10	22	10.0	44	114	44	38	86	221	89	365	475	62	65	66	56	20.9

\*Design factor 5:1  
Proof load is 2 times the WLL.



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*Safety is our first priority™*

An ISO 9001 Registered Company

**YOKE INDUSTRIAL CORP.**

