

# Koyo® *Product Tech News*

## Precision Screen Bearings *DESIGNED FOR OPTIMUM PERFORMANCE*

### *Features & Benefits:*

#### ASYMMETRICAL ROLLER DESIGN

- Reduced sliding friction
- Less tendency for roller to skew during operation
- Fewer internal forces in bearing

#### FORGED INNER AND OUTER RINGS

- Uniform steel grain structure
- Improved fatigue life

#### OPEN END CAGE DESIGN

- Ease of assembly
- Facilitates lubrication

#### TWO-PIECE MACHINED BRONZE RETAINER (FINGER TYPE)

- Allows differential speed between roller sets reducing retainer stresses

#### INNER AND OUTER RING SPECIAL HEAT TREAT

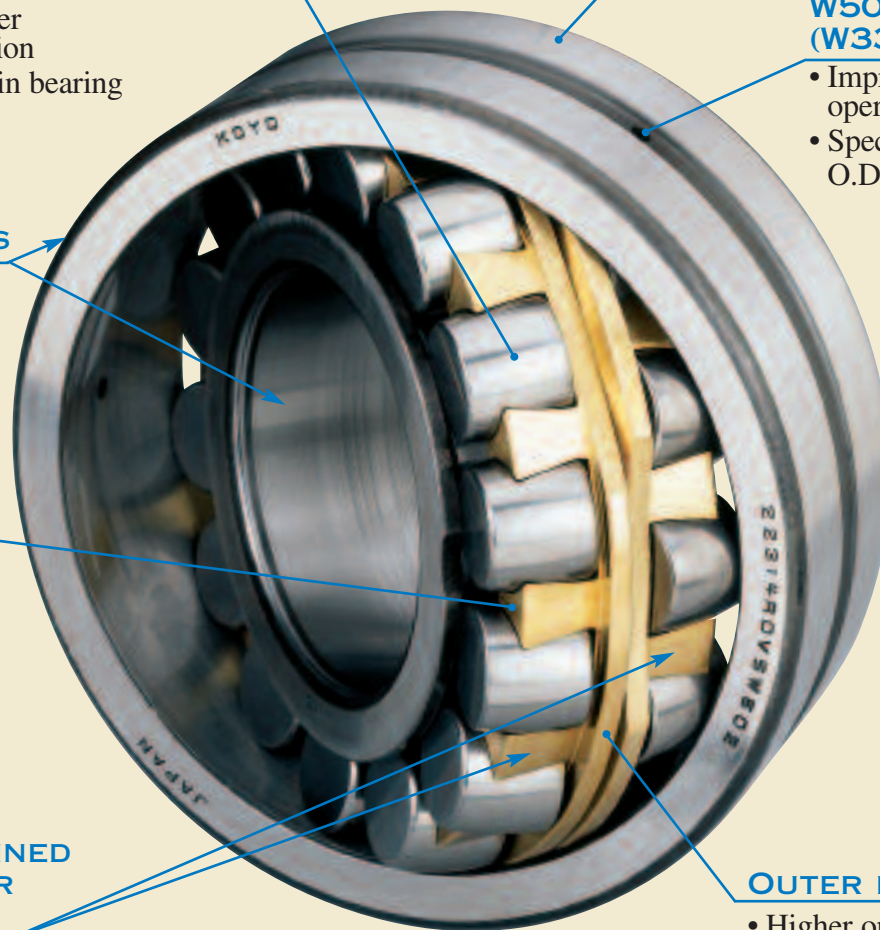
- Improved fatigue life

#### W502 FEATURE (W33 PLUS W22)

- Improved mounting and operating characteristics
- Special reduced O.D. tolerance

#### OUTER RING GUIDED

- Higher operating speeds
- Improved lubrication of guiding surface



### Primary Applications

- Mining and Aggregate Equipment
- Vibrating Applications

*"For more information, contact your Authorized Koyo Bearing Distributor"*



# Smart Product Features... Unique Benefits

## Screen Bearing Specifications

### Screen Bearing Shaft and Housing Dimensions

UNIT OF MEASUREMENT = (MM)

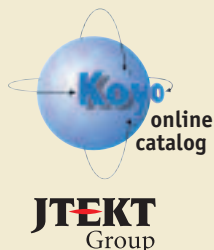
Bearing Number	Bearing Bore Max / Min	Shaft Outside Diameter g6 Max / Min	Loose Fit Max / Min	Bearing Outside Diameter Max / Min	Housing Bore N6 Max / Min	Tight Fit Max / Min	Bearing Width
22311R OVS502C4FY	55.000 / 54.985	54.990 / 54.971	+0.029 / -.005	119.997 / 119.987	119.984 / 119.962	-.035 / -.003	43.000
22312R OVS502C4FY	60.000 / 59.985	59.990 / 59.971	+0.029 / -.005	129.996 / 129.986	129.980 / 129.955	-.041 / -.006	46.000
22313R OVS502C4FY	65.000 / 64.985	64.990 / 64.971	+0.029 / -.005	139.996 / 139.986	139.980 / 139.955	-.041 / -.006	48.000
22314R OVS502C4FY	70.000 / 69.985	69.990 / 69.971	+0.029 / -.005	149.996 / 149.986	149.980 / 149.955	-.041 / -.006	51.000
22315R OVS502C4FY	75.000 / 74.985	74.990 / 74.971	+0.029 / -.005	159.992 / 159.982	159.980 / 159.955	-.037 / -.002	55.000
22316R OVS502C4FY	80.000 / 79.985	79.990 / 79.971	+0.029 / -.005	169.992 / 169.982	169.980 / 169.955	-.037 / -.002	58.000
22317R OVS502C4FY	85.000 / 84.980	84.988 / 84.966	+0.034 / -.008	179.992 / 179.982	179.980 / 179.955	-.037 / -.002	60.000
22318R OVS502C4FY	90.000 / 89.980	89.988 / 89.966	+0.034 / -.008	189.990 / 189.980	189.978 / 189.949	-.041 / -.002	64.000
22319R OVS502C4FY	95.000 / 94.980	94.988 / 94.966	+0.034 / -.008	199.990 / 199.980	199.978 / 199.949	-.041 / -.002	67.000
22320R OVS502C4FY	100.000 / 99.980	99.988 / 99.966	+0.034 / -.008	214.990 / 214.980	214.978 / 214.949	-.041 / -.002	73.000
22322R OVS502C4FY	110.000 / 109.980	109.988 / 109.966	+0.034 / -.008	239.990 / 239.980	239.978 / 239.949	-.041 / -.002	80.000
22324R OVS502C4FY	120.000 / 119.980	119.988 / 119.966	+0.034 / -.008	259.987 / 259.977	259.975 / 259.943	-.044 / -.002	86.000
22326R OVS502C4FY	130.000 / 129.975	129.986 / 129.961	+0.039 / -.011	279.987 / 279.977	279.975 / 279.943	-.048 / -.002	93.000
22328R OVS502C4FY	140.000 / 139.975	139.986 / 139.961	+0.039 / -.011	299.991 / 299.973	299.975 / 299.943	-.048 / -.002	102.000
22330R OVS502C4FY	150.000 / 149.975	149.986 / 149.961	+0.039 / -.011	319.990 / 319.970	319.974 / 319.938	-.052 / +.004	108.000
22332R OVS502C4FY	160.000 / 159.975	159.986 / 159.961	+0.039 / -.011	339.990 / 339.970	339.974 / 339.938	-.052 / +.004	114.000

Bearing Number	Basic Load Rating		Limiting Speed		C4 Radial Clearance	
	Dynamic C(kN)	Static Co(kN)	Grease (RPM)	Oil (RPM)	Max	Min
22311R OVS502C4FY	205	241	3,300	4,400	.120	0.90
22312R OVS502C4FY	239	279	3,100	4,100	.120	0.90
22313R OVS502C4FY	262	309	2,800	3,800	.120	0.90
22314R OVS502C4FY	311	364	2,600	3,500	.145	.110
22315R OVS502C4FY	342	412	2,500	3,300	.145	.110
22316R OVS502C4FY	392	480	2,300	3,100	.145	.110
22317R OVS502C4FY	397	481	2,200	2,900	.180	.135
22318R OVS502C4FY	458	556	2,100	2,800	.180	.135
22319R OVS502C4FY	504	623	1,900	2,600	.180	.135
22320R OVS502C4FY	579	713	1,800	2,400	.180	.135
22322R OVS502C4FY	713	884	1,600	2,200	.210	.160
22324R OVS502C4FY	812	1,050	1,500	2,000	.210	.160
22326R OVS502C4FY	948	1,200	1,400	1,800	.240	.190
22328R OVS502C4FY	1,100	1,410	1,300	1,700	.240	.190
22330R OVS502C4FY	1,230	1,600	1,200	1,500	.280	.220
22332R OVS502C4FY	1,380	1,790	1,100	1,400	.280	.220

**For More Information Contact Your Authorized Koyo Distributor**



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