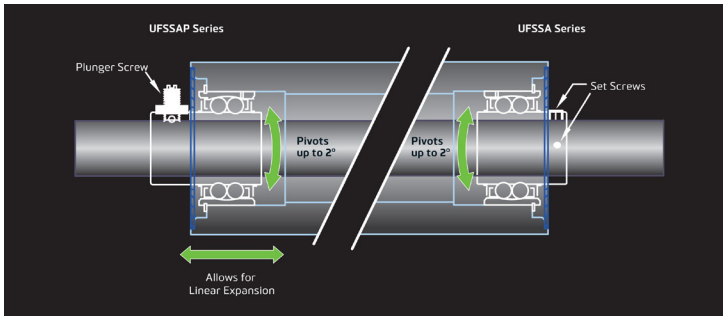
COMPONEX

Componex WINertia™ Self-Adjusting Bearings

Increased Reliability and Life for WINertia Dead-Shaft Idlers



WINertia™ self-adjusting bearings add greatly increased reliability and life to WINertia dead-shaft idlers. Our patented* bearings offer flexibility and increased uptime for your application.

As idlers are put under tension, all will go through some level of shaft deflection. Standard ball bearings will not tolerate higher shaft deflections, eventually failing prematurely. WINertia self-adjusting bearings are a double-row design and can flex with the shaft, greatly increasing bearing life.

The double-row design also offers lower inertia than standard ball bearings. Combined with our proprietary low-inertia lubrication, our bearings are up to 35% more free spinning than standard designs.

As aluminum idlers heat up, they expand, adding additional forces on traditional bearings that can lead to premature failure. WINertia idlers feature one bearing with a ball plunger lock on one side. The plunger gives a firm grip to the shaft, but allows the bearing to slide axially under load, reducing thermal expansion forces which leads to much longer bearing life.

Have questions? Consult your Maxcess representative to find the solutions that help you run better, faster and smarter.

*US Patent #8,770,849

Key Features & General Specifications

WINertia Bearing Features:
Vacuum-degassed AISI 52100 alloy steel
Synthetic fluoropolymer based low-viscosity lubricant
Fiberglass-reinforced nylon cages
External shields and non-contact seals
Precision honed raceways

WINlock Bore:
End cap keeps contaminants and fingers out
Cap includes part and serial numbers
O-ring for additional contaminant protection

WINlock Recessed Bore:
End cap keeps contaminants and fingers out
Cap includes part and serial numbers
Recessed for space savings. Access holes drilled on roll face

WINlock Ring Clip Bore:
Only on 2.0" OD rollers with limited bore space

WINertia Bearing Mounts

Bearing Dimensions — Projection from Roll Face

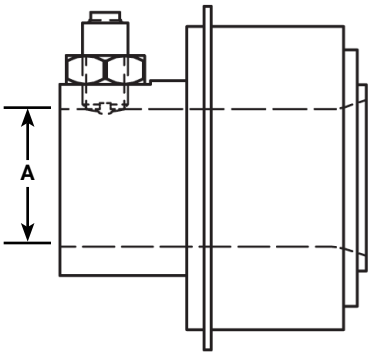
SHAFT SIZE	SA	SAP
0.75 in	0.355 in	0.571 in
1 in, 1.25 in, 25 mm	0.355 in	0.595 in
1.5 in, 2 in, 40 mm	0.511 in	0.611 in

± 0.015 in

Bearing Dimensions — Bearing Shaft / OD

BEARING NO. (XX)	Shaft Size (A)	OD (B)
ER203-12	0.75 in	1.654 in
ER205-16	1.0 in	2.0472 in
ER205-20	1.25 in	2.0472 in
ER208-24	1.5 in	3.1496 in
ER208-32	2.0 in	3.1496 in
ER205	25 mm	56.00 mm
ER208	40 mm	80.00 mm

BRG ER20X-XXUFSSAP



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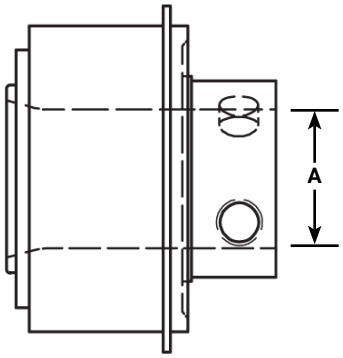

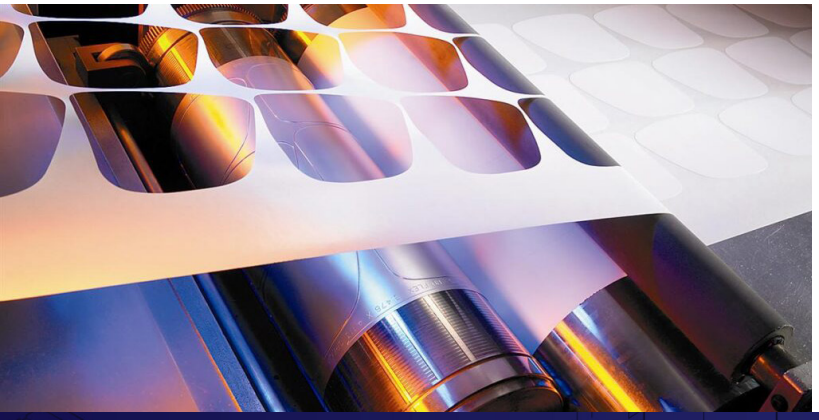

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