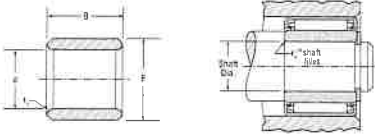


INNER RINGS FOR INCH SERIES DRAWN CUP BEARINGS

- Check for availability.
- Ideal choice when shaft is not practical to use as inner raceway.
- Provided in inch (IR, IRA) nominal dimensions for use with inch series drawn cup bearings.
- Designed to meet established inch tolerances.
- Designed to be wider than matching drawn cup bearing.
- Maximum shaft fillet radius ($r_{s,max}$) cannot exceed inner ring bore chamfer ($r_{s,min}$) as shown.
- Optional centralized lubrication groove (bore) and thru-hole available - specify when ordering.
- Designed to provide a loose transition fit on the shaft and should be axially clamped against a shoulder.



Shaft Dia.	#		F		H		$r_{s,max}$	Inner Ring Designation	Mounting Dimensions Transition Fit				Approx. Wt.	
	Min.	Max.	Min.	Max.	Min.	Max.			Min.	Max.	Min.	Max.		
1/8	0.125	0.126	0.125	0.126	0.125	0.126	0.005	IRA-3	0.125	0.126	0.125	0.126	0.005	0.012
1/4	0.250	0.251	0.250	0.251	0.250	0.251	0.005	IRA-4	0.250	0.251	0.250	0.251	0.005	0.024
3/8	0.375	0.376	0.375	0.376	0.375	0.376	0.005	IRA-5	0.375	0.376	0.375	0.376	0.005	0.036
1/2	0.500	0.501	0.500	0.501	0.500	0.501	0.005	IRA-6	0.500	0.501	0.500	0.501	0.005	0.048
5/8	0.625	0.626	0.625	0.626	0.625	0.626	0.005	IRA-7	0.625	0.626	0.625	0.626	0.005	0.060
3/4	0.750	0.751	0.750	0.751	0.750	0.751	0.005	IRA-8	0.750	0.751	0.750	0.751	0.005	0.072
7/8	0.875	0.876	0.875	0.876	0.875	0.876	0.005	IRA-9	0.875	0.876	0.875	0.876	0.005	0.084
1	1.000	1.001	1.000	1.001	1.000	1.001	0.005	IRA-10	1.000	1.001	1.000	1.001	0.005	0.096
1 1/8	1.125	1.126	1.125	1.126	1.125	1.126	0.005	IRA-11	1.125	1.126	1.125	1.126	0.005	0.108
1 1/4	1.250	1.251	1.250	1.251	1.250	1.251	0.005	IRA-12	1.250	1.251	1.250	1.251	0.005	0.120
1 3/8	1.375	1.376	1.375	1.376	1.375	1.376	0.005	IRA-13	1.375	1.376	1.375	1.376	0.005	0.132
1 1/2	1.500	1.501	1.500	1.501	1.500	1.501	0.005	IRA-14	1.500	1.501	1.500	1.501	0.005	0.144
1 5/8	1.625	1.626	1.625	1.626	1.625	1.626	0.005	IRA-15	1.625	1.626	1.625	1.626	0.005	0.156
1 3/4	1.750	1.751	1.750	1.751	1.750	1.751	0.005	IRA-16	1.750	1.751	1.750	1.751	0.005	0.168
1 7/8	1.875	1.876	1.875	1.876	1.875	1.876	0.005	IRA-17	1.875	1.876	1.875	1.876	0.005	0.180
2	2.000	2.001	2.000	2.001	2.000	2.001	0.005	IRA-18	2.000	2.001	2.000	2.001	0.005	0.192
2 1/8	2.125	2.126	2.125	2.126	2.125	2.126	0.005	IRA-19	2.125	2.126	2.125	2.126	0.005	0.204
2 1/4	2.250	2.251	2.250	2.251	2.250	2.251	0.005	IRA-20	2.250	2.251	2.250	2.251	0.005	0.216

Bore and O.D. tolerance limits correspond to the angle mean diameter (the geometrical mean of the largest and smallest diameters in a single radial plane).

(1) $r_{s,max}$ is equal to maximum inner chamfer (chamfer)

Shaft Dia.	e	f	h	$r_{s,max}$	Inner Ring Designation	Mounting Dimensions Transition Fit				Approx. Wt.	
						Min.	Max.	Min.	Max.		
1/8	0.000	0.002	0.000	0.001	IRA-3	0.125	0.126	0.125	0.126	0.005	0.012
1/4	0.000	0.002	0.000	0.001	IRA-4	0.250	0.251	0.250	0.251	0.005	0.024
3/8	0.000	0.002	0.000	0.001	IRA-5	0.375	0.376	0.375	0.376	0.005	0.036
1/2	0.000	0.002	0.000	0.001	IRA-6	0.500	0.501	0.500	0.501	0.005	0.048
5/8	0.000	0.002	0.000	0.001	IRA-7	0.625	0.626	0.625	0.626	0.005	0.060
3/4	0.000	0.002	0.000	0.001	IRA-8	0.750	0.751	0.750	0.751	0.005	0.072
7/8	0.000	0.002	0.000	0.001	IRA-9	0.875	0.876	0.875	0.876	0.005	0.084
1	0.000	0.002	0.000	0.001	IRA-10	1.000	1.001	1.000	1.001	0.005	0.096
1 1/8	0.000	0.002	0.000	0.001	IRA-11	1.125	1.126	1.125	1.126	0.005	0.108
1 1/4	0.000	0.002	0.000	0.001	IRA-12	1.250	1.251	1.250	1.251	0.005	0.120
1 3/8	0.000	0.002	0.000	0.001	IRA-13	1.375	1.376	1.375	1.376	0.005	0.132
1 1/2	0.000	0.002	0.000	0.001	IRA-14	1.500	1.501	1.500	1.501	0.005	0.144
1 5/8	0.000	0.002	0.000	0.001	IRA-15	1.625	1.626	1.625	1.626	0.005	0.156
1 3/4	0.000	0.002	0.000	0.001	IRA-16	1.750	1.751	1.750	1.751	0.005	0.168
1 7/8	0.000	0.002	0.000	0.001	IRA-17	1.875	1.876	1.875	1.876	0.005	0.180
2	0.000	0.002	0.000	0.001	IRA-18	2.000	2.001	2.000	2.001	0.005	0.192
2 1/8	0.000	0.002	0.000	0.001	IRA-19	2.125	2.126	2.125	2.126	0.005	0.204
2 1/4	0.000	0.002	0.000	0.001	IRA-20	2.250	2.251	2.250	2.251	0.005	0.216

Bore and O.D. tolerance limits correspond to the angle mean diameter (the geometrical mean of the largest and smallest diameters in a single radial plane).

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