

# TIMKEN



## IMPACT FITTING TOOL

*Equipping you to install and service IsoClass<sup>®</sup> bearings*

THE TIMKEN COMPANY

Less Friction.  
More **Solutions**

# IMPACT FITTING TOOL

With more than 100 years of experience in bearing technology, Timken understands the importance of proper maintenance procedures in maximizing product and equipment life. High-quality Timken maintenance products help to decrease down-time and lower operating costs.

Our line of maintenance tools is one example of how we extend beyond bearings with friction management solutions to keep your business running smoothly. These value-added products are grounded in our knowledge of motion, lubrication, friction and metallurgy. Hydraulic Pullers are designed to help you extend bearing life in your applications through proper installation, removal and service.

For more than 100 years, Timken has provided quality products to the industrial marketplace. Impact fitting tools are made to the same exacting quality standards you've come to expect from Timken® bearings. Our field support team is available to help you use the tools appropriately, as well as identify other Timken solutions that may boost your productivity and save you money.



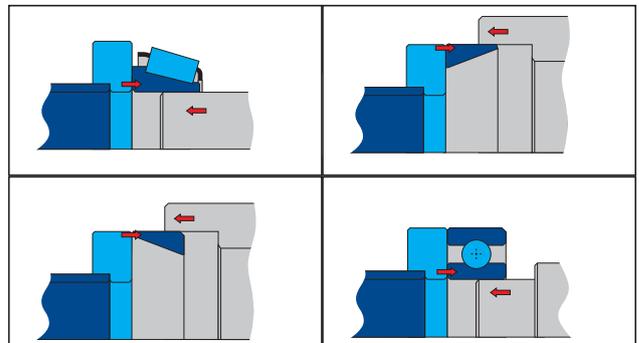
**THIS METRIC MOUNTING SET CONSISTS OF:**



- 33 Collets
- 3 Sleeves
- 1 Impact hammer weighing 0.7 kg (1.5 lbs.) absorbs shock and vibration
- Case dimensions: 430 x 320 x 100 mm (16.9" x 12.6" x 4.0")

Proper mounting is essential to ensure long bearing life. Designed to permit the safe, precise and quick mounting of bearings, bushings, sealing rings, cam wheels and pulleys, the Timken Impact Fitting Tool Set features impact-resistant plastic collets, which help to avoid metal-to-metal contact and the resulting shaft damage.

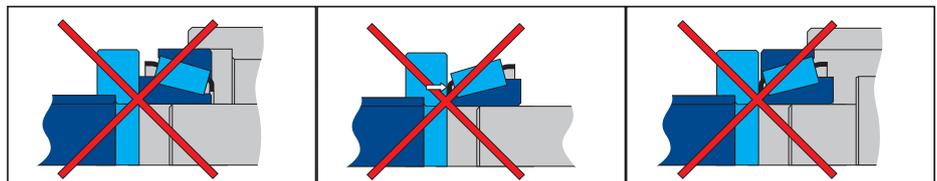
During the mounting of bearings, such as ball and spherical roller bearings, where the faces lie in the same plane, the collets enable the load to be transmitted to the ring experiencing the interference fit. In this way, mounting forces are not transmitted via the rolling elements and hence damage to the raceways is avoided.



▲ Proper mounting allows the load to be transmitted to the ring experiencing the interference fit. This way, mounting forces are not transmitted via the rolling elements, avoiding damage to the raceways.

## Impact Fitting Tool Warning

- When operating the impact fitting tool, please wear protective clothing, including safety shoes, protective glasses, gloves and helmet.
- Do not use the collets to mount components that have a temperature greater than 80° C (176° F).
- Never mount the cup and cone of a tapered bearing together or mount a cone from the front face.



### WARNING:

**Proper maintenance and handling practices are critical. Failure to follow user manual can result in equipment failure, creating a risk of serious bodily harm. Since our products are subject to continuous improvement, we reserve the right to make changes.**

Sleeve	Ring	All ISO bearings codes ending with:	60,62, 63,64	12,22, 13,23	70, 72B, 73B	32, 33	222,213, 223	NU,NJ,N 2 3 4	302, 322, 303, 330	320, 313, 323, 332	
<b>A1</b>	10-26	000	6000	129	7000						
	10-30	200	6200	1200		3200					
				2200							
	10-35	300	6300	1300	7300						
	12-28	001	6001								
	12-32	201	6201	1201		3201					
				2201							
	12-37	301	6301	1301	7301						
				2301							
	15-32	002	6002								
	15-35	202	6202	1202	7202B	3202					
				2202							
	15-42	302	6302	1302		3302			30302		
				2302							
	17-35	003	6003								
				16003							
	17-40	203	6203	1203	7203B	3203			30203		
			2203								
17-47	303	6303	1303	7303B	3303			30303	32303		
			2303								
<b>B2</b>	20-42	004	6004		7004					32004	
	20-47	204	6204	1204	7204B	3204		204	30204		
				2204							
	20-52	304	6304	1304	7304B	3304	21304	304	30304	32304	
		403	6403	2304							
	25-47	005	6005		7005					32005	
	25-52	205	6205	1205	7205B	3205	22205	205	30205	33205	
				2205				32205			
	25-62	305	6305	1305	7305B	3305	21305	305	30305	31305	
		404	6404	2305						32305	
	30-55	006	6006							32006	
	30-62	206	6206	1206	7206B	3206	22206	206	30206	33206	
				2206				32206			
	30-72	306	6306	1306	7306B	3306	21306	306	30306	31306	
		405	6405	2206				405		32306	
	<b>C3</b>	35-62	007	6007		7007					32007
		35-72	207	6207	1207	7207B	3207	22207	207	30207	33207
				2207				32207			
35-80		307	6307	1307	7307B	3307	21307	307	30307	31307	
		406	6406	2307				406		32307	
40-68		008	6006							32008	
40-80		208	6208	1208	7208B	3208	22208	208	30208	33208	
								32208			
40-90		308	6308	1308	7308B	3308	21308	308	30308	31308	
		407	6407	2308			22308	407		32308	
45-75		009	6009							32009	
45-85		209	6209	1209	7209B	3209	22209	209	30209	33209	
				2209				32209			
45-100		309	6309	1309	7309B	3309	21309	309	30309	31309	
		408	6408	2309			22309	408		32309	
50-80		010	6010							33010	
50-90		210	6210	1210	7210B	3210	22210	210	30210	33210	
			2210				32210				
								JM205149/JM205110			
50-110	310	6310	1310	7310B	3310	21310	310	30310	31310		
	409	6409	2310			22310	409		32310		

Impact rings 50-90, 45-100, 50-110 also fit the following bearing where only the outer ring is to be fitted (e.g. shaft is not installed)

<b>C3</b>	50-90	6011								
		6012								
	45-100	6013	1211	7211B	3211	22211	211			
		6211	2211	7212B						
	50-110	6014	1212	7213B	3212	22212	212			
		6015	1213		3213	22213	213			
		6212	2213		3211	21311	311			
		6213	2213			22311	410			
		6311	1311							
		6410	2311							

For tapered bearings, impact rings fit outer ring and also inner ring if driving is from larger diameter side  
The numbers on each impact ring (e.g. 25-62) are clearly marked on the ring  
The first figure refers to shaft diameter, the second to bearing outer diameter

**WARNING**

Proper maintenance and handling practices are critical. Failure to follow installation instructions and to maintain proper lubrication can result in equipment failure, creating a risk of serious bodily harm.

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**WORLDWIDE LEADER IN BEARINGS AND STEEL**