



Technical Information



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FAG sets of mounting tools EINBAU.SET.ALU and EINBAU.SET.ST

The FAG sets of mounting tools are suitable for cost-effective and safe mounting of rolling bearings with bore diameters of 10 mm to 50 mm or an outside diameter of 26 mm to 110 mm.

Sleeves, spacers, seals and similar parts can also be easily mounted by using the EINBAU.SET.ALU and EINBAU.SET.ST (former FAG designation 172013).

Tightly fitted inner rings can be driven onto the shaft or outer ring into the housing bore by hitting the mounting sleeve with the hammer. In this way rolling elements and raceways do not transmit the mounting force and become damaged. The perfectly matched precision components insure uniform transmission of the forces onto the faces of the bearing rings.

Where the EINBAU.SET.ALU is concerned the mounting sleeves are made of aluminium and the mounting rings of plastic. The components are easy to handle and relatively reasonable in price.

A long wear-free period of application is achieved with the EINBAU.SET.ST where mounting sleeves and rings are made of steel. The tools can also be used with workshop power presses.



FAG Mounting Tool Set EINBAU.SET.ALU

Application · Features

Application

225 different rolling bearings and other components can be mounted for a particularly good price with the EINBAU.SET.ALU. This mounting tool set is very easy to handle thanks to the lightness of the components.

Features

The tool set comprises 33 different mounting rings and 3 mounting sleeves as well as a hammer. The rings are made of shock-proof plastic eliminating metal to metal contact and damage to the bearing seats or their premature wear. The mounting sleeves are made of aluminium. The head of the recoilless hammer (0.7 kg) does not emit sparks. Each sleeve can be pushed over the shaft end as far as 220 mm.

The combination of mounting ring and sleeve required for the application in question can be taken from the table on the lid of the case.

The parts are driven onto the shaft by hitting the sleeve with the enclosed hammer.

The tools are conveniently kept in a case.

Size of box: 430 x 320 x 100 mm.

Delivery includes:

- 33 mounting rings
- 3 mounting sleeves
- 1 hammer
- 1 case

Weight of complete tool set:
4.7 kg

Order designation for tool set:
EINBAU.SET.ALU





FAG Mounting Tool Set EINBAU.SET.ALU

Selection Table

Mounting sleeve	Mounting ring No.	Series 60, 62 63, 64	Series 12, 22 13, 23	Series 72B 73B	Series 32 33	Series 213, 222 223	Series NU/NJ/N 2, 3, 4	Series 302, 303 322	Series 313 323	
	10-26 10-30	6000 6200	129 1200 2200		3200					
	10-35 12-28 12-32	6300 6001 6201	1300 1201 2201		3201					
	12-37	6301	1301 2301							
	15-32 15-35	6002 6202	1202 2202	7202B	3202					
	15-42	6302	1302 2302		3302			30302		
	17-35 17-40	6003 6203	1203 2203	7203B	3203			30203		
	17-47	6303	1303 2303	7303B	3303			30303		
		20-42 20-47	6004 6204	1204 2204	7204B	3204		204		
		20-52	6304 6403	1304 2304	7304B	3304	21304	304	30304	32304
		25-47 25-52	6005 6205	1205 2205	7205B	3205	22205	205	30205	
25-62		6305 6404	1305 2305	7305B	3305	21305	305	30305	31305 32305	
30-55 30-62		6006 6206	1206 2206	7206B	3206	22206	206	30206 32206		
30-72		6306 6405	1306 2306	7306B	3306	21306	306 405	30306	31306 32306	
		35-62 35-72	6007 6207	1207 2207	7207B	3207	22207	207	30207 32207	
		35-80	6307 6406	1307 2307	7307B	3307	21307	307 406	30307	31307 32307
		40-80	6008 6208	1208 2208	7208B	3208	22208	208	30208 32208	
		40-90	6308 6407	1308 2308	7308B	3308	21308 22308	308 407	30308	31308 32308
	45-75 45-85	6009 6209	1209 2209	7209B	3209	22209	209	30209 32209		
	45-100	6309 6408	1309 2309	7309B	3309	21309 22309	309 408	30309	31309 32309	
	50-80 50-90	6010 6210	1210 2210	7210B	3210	22210	210	30210 32210		
	50-110	6310 6409	1310 2310	7310B	3310	21310 22310	310 409	30310	31310 32310	
		50-90	6011 6012							
		45-100	6013 6211	1211 2211	7211B	3211	22211	211		
50-110		6014 6015	1212 1213	7212B 7213B	3212 3213	22212 22213	212 213			
		6212 6213	2212 2213	7311B	3311	21311	311			
		6311 6410	1311 2311			22311	410			

If only bearing outer rings are to be installed, for example when shaft is dismantled, the mounting rings no. 50-90, no. 45-100 and no. 50-110 are used according to the following table.

	50-90	6011 6012							
	45-100	6013 6211	1211 2211	7211B	3211	22211	211		
	50-110	6014 6015	1212 1213	7212B 7213B	3212 3213	22212 22213	212 213		
		6212 6213	2212 2213	7311B	3311	21311	311		
		6311 6410	1311 2311			22311	410		



FAG Mounting Tool Set EINBAU.SET.ST

Application · Features

Application

The mounting tool set EINBAU.SET.ST (former FAG designation 172013) is suitable for maximum stressing and a long life. The tools can also be used for pressing in or out on workshop power presses.

Features

The tool set comprises 33 different hardened mounting rings and 5 mounting sleeves made of tool steel. The nylon head of the recoilless hammer (0.7 kg) does not emit sparks. Each sleeve can be pushed over the shaft end as far as 220 mm.

The combination of mounting ring and sleeve required for the application in question can be taken from the table on the lid of the box.

Integrated O rings allow the parts to be fitted into each other in positive contact. The parts are driven onto the shaft by hitting the sleeve with the enclosed hammer.

The tools are conveniently kept in a tin box.
Size of box: 370 x 320 x 70 mm.

Delivery includes:

- 33 mounting rings
- 5 mounting sleeves
- 1 hammer
- 1 tin box

Weight of complete tool set:
21 kg

Order designation for tool set:
EINBAU.SET.ST





FAG Mounting Tool Set EINBAU.SET.ST

Selection Table

Mounting sleeve	Mounting ring No.											
			Series 60, 62 63, 64	Series 12, 22 13, 23	Series 72B 73B	Series 32 33	Series 213, 222 223	Series NU/NJ/N 2, 3, 4	Series 302, 303 322	Series 313 323		
 A	1 (10-26 mm)	2 (10-30 mm)	6000	129		3200						
	3 (10-35 mm)	4 (12-28 mm)	6300	1300								
	5 (12-32 mm)	6 (12-37 mm)	6001 6201	1201 2201		3201						
			6301	1301 2301								
 B	7 (15-32 mm)	8 (15-35 mm)	6002	1202	7202B	3202						
	9 (15-42 mm)	10 (17-35 mm)	6302	1302 2302		3302		30302				
	11 (17-40 mm)	12 (17-47 mm)	6003 6203	1203 2203	7203B	3203			30203			
			6303	1303 2303	7303B	3303			30303			
 C	13 (20-42 mm)	14 (20-47 mm)	6004	1204	7204B	3204		204				
	15 (20-52 mm)	16 (25-47 mm)	6204	2204								
	17 (25-52 mm)	18 (25-62 mm)	6304	1304 2304	7304B	3304	21304	304	30304	32304		
			6403	2304								
			6005	1205	7205B	3205	22205	205	30205			
			6205	2205								
 D	19 (30-55 mm)	20 (30-62 mm)	6006	1206	7206B	3206	22206	206	30206			
	21 (30-72 mm)	22 (35-62 mm)	6206	2206					32206			
	23 (35-72 mm)	24 (35-80 mm)	6306	1306 2306	7306B	3306	21306	306	30306	31306		
			6405	2306				405		32306		
			6007	1207	7207B	3207	22207	207	30207			
			6207	2207					32207			
 E	25 (40-68 mm)	26 (40-80 mm)	6008	1208	7208B	3208	22208	208	30208			
	27 (40-90 mm)	28 (45-75 mm)	6208	1308	7308B	3308	21308	308	30308			
	29 (45-85 mm)	30 (45-100 mm)	6308	2308			22308	407				
	31 (50-80 mm)	32 (50-90 mm)	6407	2308								
	33 (50-110 mm)		6009	1209	7209B	3209	22209	209	30209			
			6209	2209					32209			
 E	30 (45-100 mm)	31 (50-80 mm)	6309	1309	7309B	3309	21309	309	30309	31309		
	32 (50-90 mm)	33 (50-110 mm)	6408	2309			22309	408		32309		
			6010	1210	7210B	3210	22210	210	30210			
			6210	2210					32210			
			6310	1310	7310B	3310	21310	310	30310	31310		
			6409	2310			22310	409		32310		
 E	32 (50-90 mm)	30 (45-100 mm)	6011									
			6012									
			6013	1211	7211B	3211	22211	211				
			6211	2211								
			6014	1212	7212B	3212	22212	212				
			6015	1213	7213B	3213	22213	213				
			6212	2212	7311B	3311	21311	311				
			6213	2213			22311	410				
			6311	1311								
			6410	2311								

If only bearing outer rings are to be installed, for example when shaft is dismounted, the mounting rings no. 32 (50-90mm), no. 30 (45-100mm) and no. 33 (50-110mm) are used according to the following table.

 E	32 (50-90 mm)	6011					
	30 (45-100 mm)	6012					
		6013	1211	7211B	3211	22211	211
		6211	2211				
		6014	1212	7212B	3212	22212	212
		6015	1213	7213B	3213	22213	213
		6212	2212	7311B	3311	21311	311
		6213	2213			22311	410
		6311	1311				
		6410	2311				



Other FAG Publications

A selection of other FAG publication

Catalogue WL 41 520	FAG Rolling Bearings
Publ. No. WL 00 106	W.L.S. Rolling Bearing Learning System
Publ. No. WL 80 100	Mounting and Dismounting of Rolling Bearings
Publ. No. WL 80 102	How to Mount and Dismount Rolling Bearings Hydraulically
Publ. No. WL 80 103	FAG Hydraulic Nuts
Publ. No. WL 80 107	FAG Induction Heating Equipment
Publ. No. WL 80 111	Rolling Bearing Mounting Cabinet and Mounting Sets - a fundamental course for vocational training
Publ. No. WL 80 123	All about the Rolling Bearing - FAG Training Courses on Rolling Bearings Theory and Practice
Publ. No. WL 80 102	Rolling Bearing Damage
TI No. WL 00-11	FAG Videos on Rolling Bearings
TI No. WL 80-9	FAG Heating Rings
TI No. WL 80-14	Mounting and Dismounting of Spherical Roller Bearings with Tapered Bore
TI No. WL 80-38	Mounting of Self-Aligning Ball Bearings on Adapter Sleeves
TI No. WL 80-46	FAG Hand Pump Sets
TI No. WL 80-47	FAG Induction Heating Devices
TI No. WL 80-48	FAG Mechanical Extractors
TI No. WL 80-51	FAG Temperature Measuring Instrument



Notes



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