

Ball bearing extractors

1.92 EXTRACTOR

Better solutions through innovative and precise technology

- > The solution for ball bearings, which are mounted on a shaft or in a housing, and thus cannot be extracted neither from the inside nor from the outside.
- > Extracting without drilling open the ball bearing! Therefore no risk of any chippings in machines.
- > In view of the different ball bearing constructions dependent on manufacturer, the table presented can only serve as an orientation guide in selecting the legs and heads.
- > The puller legs suggested in the tables are not mandatory. They only represent a recommendation based on the specifications of reputable ball bearing manufacturers.
- > **The "inner functioning" (cage, diameters of the rolling elements and their number) of a bearing is not standardized.**
- > If a hook does not fit, then choose the next larger / smaller hook.
- > Head sectioning is based on the number of rolling elements.
- > In practise this means that whilst a puller leg fits into bearing 6403 of manufacturer X, it does not with the same 6403 bearing of manufacturer Y. This is because manufacturer Y installs one ball more than manufacturer X.



left 7 balls / right 6 balls



The innovative design with its maximum level of functionality in connection with simple handling provides a PLUS in effectivity and productivity.

The top plate is easy to use. The legs are fixed in the slot.

The self-locking system guarantees 100% force transmission and the maximum safety during withdrawal

FIELDS OF APPLICATION

Suitable for more than 40 standard ball bearings up to 6311



1.92 BALL BEARING EXTRACTOR PLUS

- > Using the ball bearing extractor, the removal of shaft-mounted ball bearings in a housing is now possible without any problems
- > Due to its great degree of functionality combined with the simplified handling, this design makes a PLUS in effectiveness and productivity possible
- > This tool is easy to use: The legs are fixed in the slot
- > The self-locking arrangement means that the force applied is 100 % utilised
- > Secure at all times against slipping off - and a straight pulling force for precise working
- > Suitable for more than 40 standard ball bearings up to 6311
- > 1.92/1 for bearings: 6000-6010, 6200-6205, 6300-6304
- > 1.92/2 for bearings: 6011-6012, 6206-6212, 6305-6311, 6403-6407
- > 1.92/12 for bearings: 6000-6012, 6200-6212, 6300-6311, 6403-6407

- > * with supporting ring 6309
- > ** with supporting ring 6310
- > *** with supporting ring 6311



Bearing	Leg	Head size	⚖️	Code	No.
6000	1.92/10	192/1-7	2.3	1553534	1.92/1
6001	1.92/10	192/1-4			
6002	1.92/10	192/1-3			
6003	1.92/10	192/1-4			
6004	1.92/30	192/1-3			
6005	1.92/30	192/1-3			
6006	1.92/30	192/1-3			
6007	1.92/40	192/1-3			
6008	1.92/40	192/1-3			
6009	1.92/40	192/1-3			
6010	1.92/40	192/1-3			
6200	1.92/10	192/1-4			
6201	1.92/20	192/1-7			
6202	1.92/20	192/1-4			
6203	1.92/30	192/1-4			
6204	1.92/40	192/1-4			
6205	1.92/40	192/1-3			
6300	1.92/30	192/1-3			
6301	1.92/40	192/1-3			
6302	1.92/40	192/1-7			
6303	1.92/40	192/1-7			
6304	1.92/40	192/1-7			

Bearing	Leg	Head size	⚖️	Code	No.
6011	1.92/50	192/2-3	5.2	1553542	1.92/2
6012	1.92/50	192/2-3			
6206	1.92/50	192/2-3			
6207	1.92/50	192/2-3			
6208	1.92/60	192/2-3			
6209	1.92/60	192/2-3			
6210	1.92/60	192/2-3			
6211	1.92/60	192/2-3			
6212	1.92/70	192/2-3			
6305	1.92/60	192/2-7			
6306	1.92/60	192/2-4			
6307	1.92/60	192/2-4			
6308	1.92/70	192/2-4			
6309	1.92/70	192/2-4			
6310**	1.92/70	192/2-4			
6311***	1.92/70	192/2-4			
6403	1.92/60	192/2-3			
6404	1.92/70	192/2-3			
6405	1.92/70	192/2-7			
6406	1.92/70	192/2-7			
6407*	1.92/60	192/2-7			
Contents of set 1.92/1 and 1.92/2			7.6	1553550	1.92/12

1.92 PARTS

- > Pulling legs No. 1.92/10 to 1.92/70 = set of 4 pieces
- > For spindle 1.1406200: please also order adaptor 192/A-2

Description		Code	No.
Leg 120 mm	0.170	1583263	1.92/10
Leg 125 mm	0.180	1583271	1.92/20
Leg 130 mm	0.190	1583298	1.92/30
Leg 135 mm	0.200	1583301	1.92/40
Leg 140 mm	0.310	1583328	1.92/50
Leg 145 mm	0.340	1583336	1.92/60
Leg 150 mm	0.470	1583344	1.92/70
Head small 3 slots	0.170	1574485	192/1-3

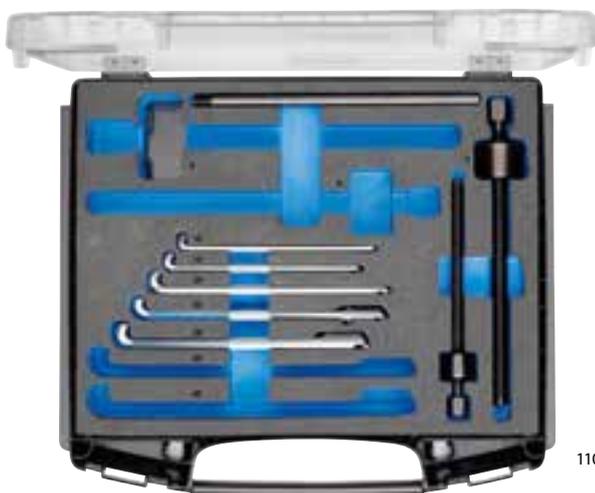
Description		Code	No.
Head small 4 slots	0.170	1574493	192/1-4
Head small 3/7 slots	0.170	1574507	192/1-7
Head big 3 slots	0.830	1574515	192/2-3
Head big 4 slots	0.800	1574523	192/2-4
Head big 3/7 slots	0.830	1574531	192/2-7
Adaptor for head big 1.92/2	0.048	1574566	192/A-2
Spindle small for 1.92/1	0.090	1576208	1.1006170
Spindle big for 1.92/2	0.220	1576224	1.1406200

1101-1.29/1K BALL BEARING EXTRACTOR SET

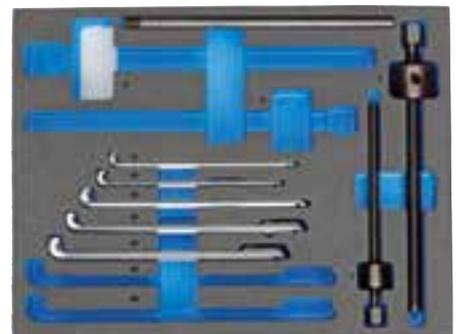


in i-BOXX® 72

- > Ball bearing extractor set for more than 30 ball bearings
- > For removing ball bearings that are both on a shaft and in a housing
- > Non-destructive removal of deep-groove ball bearings without dismantling the shaft; no necessity to drill open the bearing cage (no chippings)
- > With Check-Tool insert for quick check of completeness
- > Insert for use in drawers with min. dimensions 340 x 260 x 60 mm
- > In GEDORE i-BOXX® 72 No. 1101 L
- > Dimensions: W 367 x D 316 x H 72 mm



1101-1.29/1K



1101 CT-1.29/1K

for ball bearing No.	Contents		Code	No.
6000 6001 6002 6003 6004 6005 6006 6007 6008 6009 6010 6011 6012 6200 6201 6202 6203 6204 6205 6206 6207 6300 6301 6302 6303 6304 6305 6306 6307 6403 6404	2 Heads with spindle no. 1.29/1 + 1.29/3 5 Heads with spindle no. 1.29/10 - 1.29/35 1 Handle no. 1.29/0	2.610	2963485	1101-1.29/1K
	2 Heads with spindle no. 1.29/1 + 1.29/3 5 Heads with spindle no. 1.29/10 - 1.29/35 1 Handle no. 1.29/0	1.750	2964414	1101 CT-1.29/1K

Description		Code	No.
Foam insert i-BOXX 72, empty	0.110	2964449	EI-1101 CT-1.29/3K

1101-1.29/3K

BALL BEARING EXTRACTOR SET



in i-BOXX® 72

- > Ball bearing extractor set for more than 40 ball bearings
- > For removing ball bearings that are both on a shaft and in a housing
- > Non-destructive removal of deep-groove ball bearings without dismantling the shaft; no necessity to drill open the bearing cage (no chippings)
- > With Check-Tool insert for quick check of completeness
- > Insert for use in drawers with min. dimensions 340 x 260 x 60 mm
- > In GEDORE i-BOXX® 72 No. 1101 L
- > Dimensions: W 367 x D 316 x H 72 mm



1101-1.29/3K



1101 CT-1.29/3K

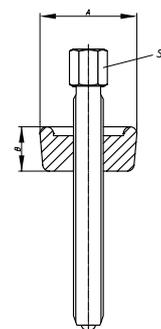
for ball bearing No.	Contents	kg	Code	No.
6000 6001 6002 6003 6004 6005 6006 6007 6008 6009 6010 6011 6012 6200 6201 6202 6203 6204 6205 6206 6207 6208 6209 6210 6211 6212 6213 6300 6301 6302 6303 6304 6305 6306 6307 6308 6309 6310 6311 6403 6404 6405 6406 6407	4 Heads with spindle no. 1.29/1 - 1.29/5 7 Heads with spindle no. 1.29/10 - 1.29/45 1 Handle no. 1.29/0	5.780	2964392	1101-1.29/3K
	4 Heads with spindle no. 1.29/1 - 1.29/5 7 Heads with spindle no. 1.29/10 - 1.29/45 1 Handle no. 1.29/0	4.920	2964430	1101 CT-1.29/3K

Description	kg	Code	No.
Foam insert i-BOXX 72, empty	0.110	2964449	EI-1101 CT-1.29/3K

1.29

BALL BEARING EXTRACTOR

- > For removing ball bearings that are both on a shaft and in a housing
- > The legs selected using the table are inserted into the ball race, evenly distributed in the outer ring according to the number of balls
- > The support rings supplied for the ball bearings to be removed are placed on the bearings' inner races
- > The head with spindle is then placed on the centering depression of the shaft and the spindle put under tension with the legs
- > Delivery contains head and spindle. Please order suitable legs separately!

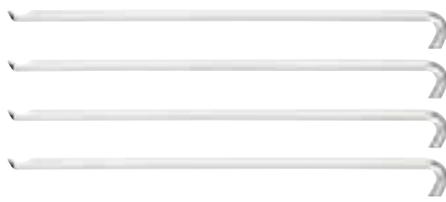


for leg	A	B		mm	kg	Code	No.
1.29/10-35	28	20	M 10 x 160	14	0.2	8011000	1.29/1
1.29/25-40	40	28	M 14 x 210	17	0.6	8011270	1.29/3
1.29/35-45	50	30	M 18 x 230	19	0.9	8011350	1.29/4
1.29/45	65	30	M 20 x 235	22	1.9	8011430	1.29/5

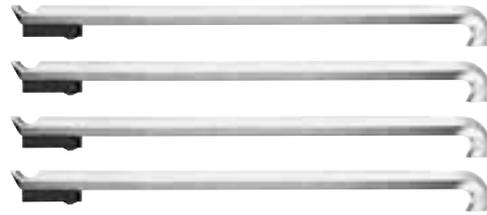


1.29 SET OF PULLING LEGS

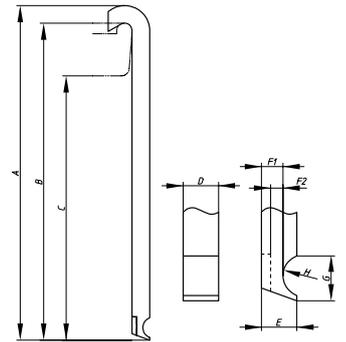
4 pieces



1.29/10 - 1.29/25



1.29/30 - 1.29/45



No.	Code	for ball bearing No.	for extractor	A	B	C	D	E	F1	F2	G	H	⚖️
1.29/10	8011510	6000 6001 6002 6003 6200	1.29/1	145	141	121	4.5	4	2,5	2,5	7.7	R4	0.062
1.29/15	8011780	6004 6005 6006 6201 6202 6300	1.29/1	145	140	120	5.7	5	3,0	3,0	8.8	R4	0.098
1.29/25	8011940	6204 6205 6301 6302	1.29/1	176	170	150	6.7	6	3,7	3,7	9.8	R4	0.172
		6007 6008 6300 6301 6302	1.29/3			142							
1.29/30	8012080	6303 6304	1.29/1	186	179	159	7.9	7	4,4-6,1	4,4	10.3	R5	0.256
		6009 6010 6011 6012 6204 6205	1.29/3			151							
		6206 6303 6304	1.29/4			149							
		6009 6010											
1.29/35	8012160	6305	1.29/1	186	178	158	9.0	8	4,8-7,3	4,8	11.8	R5	0.342
		6207 6305 6403	1.29/3			150							
		6011	1.29/4			148							
		6012	1.29/5			148							
1.29/40	8012240	6306 6307 6404	1.29/3	237	227	199	11.3	10	6,4-8,9	6,4	13.1	R6	0.646
		6208 6209 6210 6307	1.29/4			197							
1.29/45	8110250	6211 6308 6309 6405 6406 6407	1.29/4	237	227	197	11.3	10	6,1-11,6	6,1	14.7	R6	0.682
		6211 6212 6213 6309 6310 6311	1.29/5			197							

5.10

>453



Remember the safety cover!

1101-1.29/3K

>60

