

12150 Pullers

- **two-armed** version with swivelling, double-action extractor hooks, zinc plated
- for extracting gearwheels, ball bearings, pulleys and similar parts from shafts or axles
- for removing ball bearings, bearing outer races and bushes from holes
- for internal extraction, simply swivel the hooks and turn the spindle round or just turn the hooks round



Code	size	Clamp. width mm	Clamp. depth mm	Max. loading in t	Max. torque in N-m	Δ g	
71 1402 11	1	20-150	80	3.5	50	708	1
71 1402 12	2	40-220	130	4.0	60	1675	1

12152 Three arm pullers

- **three-armed** version with swivelling, double-action extractor hooks, zinc plated
- for extracting gearwheels, ball bearings, pulleys and similar parts from shafts or axles
- for removing ball bearings, bearing outer races and bushes from holes
- for internal extraction, simply swivel the hooks and turn the spindle round or just turn the hooks round



Code	size	Clamp. width mm	Clamp. depth mm	Max. loading in t	Max. torque in N-m	Δ g	
71 1403 11	1	20-150	80	4.0	60	920	1
71 1403 12	2	40-200	130	4.5	70	2235	1

11055 Two arm pullers

- **two-armed**, with swivelling extractor hooks and lateral clamp clip, zinc plated
- when the clamp clip is tightened, the claws of the extractor hooks locate under the part to be extracted and lever it free as force is applied before extraction begins
- for extracting gearwheels, ball bearings, pulleys, drop arms and similar parts from shafts or axles
- the clamp clip presses the extractor hooks firmly against the part being extracted



Code	size	Clamp. width mm	Clamp. depth mm	Max. loading in t	Max. torque in N-m	Δ g	
71 1900 11	1	20-70	85	5.0	120	1211	1
71 1900 12	2	20-100	100	6.0	120	1643	1
71 1900 13	3	30-150	150	8.0	150	2907	1

11040 Battery terminal pullers

- **two-armed**, with a self-centring quick-action clamp and automatic feed, zinc plated
- for extracting battery terminal clamps, smaller ball bearings, pulleys etc.
- as force is applied through the spindle, the extractor hooks automatically apply increasing force to the part being extracted
- particularly suited to car electrics, compressed air system repairs and similar applications due to the compact design and small hooks



Code	size	Clamp. width mm	Clamp. depth mm	Max. loading in t	Max. torque in N-m	Δ g	
71 1200 11	1	10-60	45	2.5	25	245	1
71 1200 12	2	10-70	65	3.0	35	261	1
71 1200 13	3	10-100	80	3.5	45	315	1

11042 Battery terminal pullers

- **three-armed**, with a self-centring quick-action clamp and automatic feed, zinc plated
- for extracting battery terminal clamps, smaller ball bearings, pulleys etc.
- as force is applied through the spindle, the extractor hooks automatically apply increasing force to the part being extracted
- particularly suited to car electrics, compressed air system repairs and similar applications due to the compact design and small hooks



Code	size	Clamp. width mm	Clamp. depth mm	Max. loading in t	Max. torque in N-m	Δ g	
71 1800 11	1	10-60	45	2.5	25	299	1
71 1800 12	2	10-70	65	3.0	35	340	1
71 1800 13	3	10-100	80	3.5	45	692	1

11060 Internal pullers

- for extracting ball bearings, bearing outer races and bushes; zinc plated
- to be used with counter stay No 11061 and slide hammer No 11062
- even bearings which are tight up against the walls are securely gripped due to the excellent clamping effect



Code	size	Clamp. width mm	Max. torque in N-m	Δ g	
71 1600 10	0	8-12	30	102	1
71 1600 11	1	12-16	30	110	1
71 1600 21	1a	16-20	30	116	1
71 1600 12	2	20-27	30	131	1
71 1600 13	3	27-36	60	365	1
71 1600 15	5	36-46	60	385	1
71 1600 16	6	46-58	60	558	1
71 1600 17	7	58-70	60	612	1
71 1600 18	8	70-100	60	1659	1