

9 PULLERS

Standard pullers, pullers

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For improved safety. **STAHLWILLE pullers.**



Designed with practical applications in mind, drop forged, precision machined on the latest machine tools, hardened and tempered: the STAHLWILLE puller range offers numerous products for a wide variety of applications. For example, standard pullers, cell terminal pullers, ejectors, counter stays, ball joint pullers and wheel hub pullers. Made, of course, in Germany as premium quality tools.

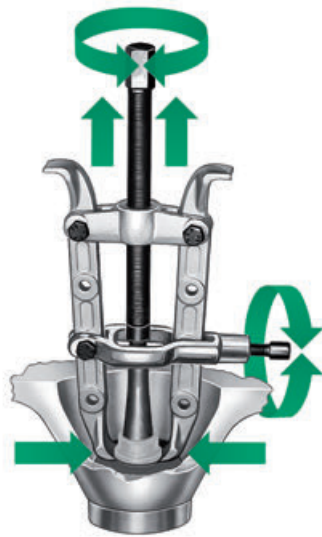


2 vs 3

Two- or three-legged pullers?

A three-legged puller is generally preferable to a two-legged one provided there is sufficient space because it distributes the pulling forces more evenly.





RELIABLE.

Excellent running characteristics of the thread itself thanks to high-grade hardening and tempering and the special coatings on the thrust spindles.

MORE ROBUST.

High flexural strength thanks to legs with accurately calculated profiles and smooth, milled guides.

RESILIENT.

Heavy-duty extractor hooks made of oil-hardened chrome vanadium steel with special-purpose access geometry for use in tight spaces. Radii adapted for shafts and axles.

SAFE.

To prevent damage to shafts, the centre is fitted in a freely-swivelling mount.



POWERFUL.

Smooth running and high force transmission through the nut with its hard-wearing, smooth thread contours.

Pullers

11050 Standard pullers

- **two-armed**, with sliding permanently parallel 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
- hooks can be used as internal or external hooks



Code	size	Clamp. width mm	Clamp. depth mm	Max. loading in t	Max. torque in N·m	⚖ g	📦
71130011	1	25-80	100	4.5	80	999	1
71130012	2	25-130	100	4.5	80	1103	1
71130013	3	50-160	150	6.5	150	2754	1
71130014	4	60-200	150	6.5	150	3085	1
71130015	5	80-250	200	11.0	320	7000	1
71130016	6	80-350	200	11.0	320	8400	1

H 11050 Arms for pullers No 11050/11051

- 1 piece

Code	size	for puller No	⚖ g	📦
79130011	1	11050-1, -2 11051-1, -2	238	1
79130012	3	11050-3, -4 11051-3, -4	602	1
79130013	5	11050-5, -6	1596	1

11053 Standard pullers

- **two-armed**, with swivelling extractor hooks for larger reaches, zinc plated
- for extracting gearwheels, ball bearings, pulleys and similar parts from shafts or axles
- hooks can be used as internal or external hooks
- for internal extraction, simply turn the hooks and spindle round
- the large leverage effect ensures a firm grip on the part to be extracted, whether internal or external



Code	size	Clamp. width mm	Clamp. depth mm	Max. loading in t	Max. torque in N·m	⚖ g	📦
71150211	1	50-300	270	6.0	120	4330	1
71150212	2	50-400	400	6.0	120	6000	1

11051 Standard pullers

- **three-armed**, with sliding permanently parallel extractor hooks, zinc plated
- for extracting gearwheels, ball bearings, pulleys, fan wheels and similar parts from shafts or axles
- for removing ball bearings, bearing outer races and bushes from holes
- hooks can be used as internal or external hooks



Code	size	Clamp. width mm	Clamp. depth mm	Max. loading in t	Max. torque in N·m	⚖ g	📦
71080011	1	25-80	100	5.5	55	1280	1
71080012	2	25-120	100	5.5	55	1422	1
71080013	3	25-160	150	7.0	70	3507	1
71080014	4	25-200	150	7.0	70	3690	1

11054 Pullers

- **three-armed**, with swivelling extractor hooks for larger reaches, zinc plated
- for extracting gearwheels, ball bearings, pulleys and similar parts from shafts or axles
- hooks can be used as internal or external hooks
- for internal extraction, simply turn the hooks and spindle round
- the efficient leverage effect forces the hooks firmly onto the part to be extracted



Code	size	Clamp. width mm	Clamp. depth mm	Max. loading in t	Max. torque in N·m	⚖ g	📦
71150311	1	50-300	270	12.0	220	4990	1
71150312	2	50-400	400	12.0	220	8000	1

11056 Set: Pullers

- consisting of the most common two- and three-armed pullers with two- and three-armed, sliding, parallel extractor hooks
- for extracting gearwheels, ball bearings, pulleys and similar parts from shafts or axles
- hooks can be used as internal or external hooks
- the efficient leverage effect forces the hooks firmly onto the part to be extracted



Code	Clamp. width mm	Clamp. depth mm	⚖ g	📦
96711311	120	100/200/250	7000	1

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	
71140211	1	20-150	80	3.5	50	708	1
71140212	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	
71140311	1	20-150	80	4.0	60	920	1
71140312	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	
71190011	1	20-70	85	5.0	120	1211	1
71190012	2	20-100	100	6.0	120	1643	1
71190013	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	
71120011	1	10-60	45	2.5	25	245	1
71120012	2	10-70	65	3.0	35	261	1
71120013	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	
71180011	1	10-60	45	2.5	25	299	1
71180012	2	10-70	65	3.0	35	340	1
71180013	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	
71160010	0	8-12	30	102	1
71161011	1	12-16	30	110	1
71160021	1a	16-20	30	116	1
71160012	2	20-27	30	131	1
71160013	3	27-36	60	365	1
71160015	5	36-46	60	385	1
71160016	6	46-58	60	558	1
71160017	7	58-70	60	612	1
71160018	8	70-100	60	1659	1

Pullers

11061 Counter stays

- to be used with internal puller No 11060; zinc plated
- insert and open up the internal puller
- screw the spindle of the counter-stay into the internal puller
- extract the workpiece



Code	size	suitable for No 11060	Max.torque in N-m	ΔΔ g	
71170011	1	sizes 0-2	30	654	1
71170012	2	sizes 3-7	60	1518	1
71170013	3	size 8	60	2317	1

11062 Slide hammers

- to be used with internal puller No 11060; zinc plated
- for extracting ball bearings if it is not possible to use puller No 11061 because there is insufficient space



Code	size	suitable for No 11060	ΔΔ g	
71161001	1	sizes 0-2	650	1
71161002	2	sizes 3; 5	1435	1

12613 Separating fixtures

- zinc plated
- for use with No 12614 of same sizes
- for separating and extracting ball bearings, roller bearings, bushes, wheels and other tightly fitting parts
- applying uniform pulling force to the side bolts will gently separate workpieces; apply puller No 12614
- apply force to pull off



Code	size	Clamp. width mm	Opening mm	Max. loading in t	Max. torque in N-m	ΔΔ g	
71030010	0	5-60	60	2.0	30	562	1
71030011	1	12-75	75	2.5	40	787	1
71030012	2	22-115	115	4.0	70	2020	1
71030013	3	30-155	155	5.0	90	3740	1

12614 Pullers

- zinc plated
- for use with No 12613 of same sizes
- for extracting ball bearings, roller bearings, bushes, wheels and other tight fitting parts
- the puller is connected to separator No 12613 to enable the workpiece to be extracted



Code	size	Clamp. width mm	Extraction bolts mm	Max. loading in t	Max. torque in N-m	ΔΔ g	
71040010	0	45-110	110	2.0	30	910	1
71040011	1	55-140	155	2.5	40	1220	1
71040012	2	60-215	200	4.0	70	2802	1
71040013	3	85-295	315	5.0	90	6820	1

V 12614 Extensions

- 1 pair, for use with puller No 12614
- extensions for the extraction bolts on the puller for use with longer workpieces



Code	size	for No	L mm	ΔΔ g	
79440011	1	12614-0, -1	100	89	1
79440012	2	12614-2	150	233	1
79440013	3	12614-3	150	743	1

11030 Universal wheel hub pullers

- with three extractor hooks, zinc plated
- for extracting wheel hubs on HGV's and cars up to a hole diameter of 225 mm
- the axially mounted threaded bush enables the workpiece to be freed by gently tapping the end of the spindle



Code	size	Arms	Max. loading in t	Max. torque in N-m	ΔΔ g	
71110013	1	3	14.0	280	3566	1
71110015	2	5	14.0	280	4568	1

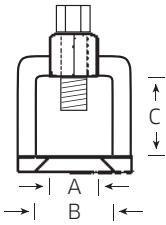
H 11030 Arm for No 11030

- 1 piece

Code	ΔΔ g	
79100010	524	1

11041 Ball joint separators

- zinc plated
- for forcing out ball pins on vehicles



Code	size	A mm	B mm	C mm	Max. torque in N·m	⚖ g	
71230011	1	18	37	37	50	285	1
71230012	2	23	45	45	120	476	1
71230013	3	29	55	60	160	910	1
71230014	4	39	70	80	280	2024	1

size 1 for passenger vehicles
size 2 for passenger vehicles and vans
size 3 + 4 for trucks

SP 11040-12150 Spindles

Code	No	for puller No	⚖ g	
79281011	SP 11040-1	11040-1; 11042-1	108	1
79281111	SP 11040-2	11040-2; 11042-2	1	1
79281012	SP 11040-3	11040-3; 11042-3	66	1
79281019	SP 11041-1	11041-1	74	1
79281020	SP 11041-2	11041-2	94	1
79281021	SP 11041-3	11041-3	360	1
79281022	SP 11041-4	11041-4	231	1
79281013	SP 11050-1	11050-1, -2; 11051-1, -2; 11056; 12150-1, 12152-1, 12614-0, -1	171	1
79281014	SP 11050-3	11050-3, -4; 11051-3, -4; 12614-2	590	1
79281015	SP 11050-5	11050-5, -6	1235	1
79281023	SP 11053-1	11053-1, -2; 11054-1, -2; 12614-3	876	1
79281016	SP 11055-1	11055-1	177	1
79281017	SP 11055-2	11055-2	176	1
79281018	SP 11055-3	11055-3	592	1
79281034	SP 12150-2	12150-2; 12152-2	440	1

12616 Universal ball joint separator

- zinc plated
- DIN/ISO 7803
- for extracting ball-joints on cars and light delivery vans



Code	Fork opening mm	Clear height mm	Max. loading in t	Max. torque in N·m	⚖ g	
71050010	18-22	20-50	3.5	70	611	1

12623 Ball joint separator

- zinc plated
- for extracting ball-joints especially on BMW, Fiat, Ford, Mercedes-Benz, Nissan, Opel, Toyota, VW/Audi and Volvo cars



Code	Fork opening mm	Clear height mm	Max. loading in t	Max. torque in N·m	⚖ g	
71050011	20	12-50	3.5	40	1284	1

12623-1 Ball joint separator

- zinc plated
- for vehicles with aluminium chassis
- for extracting ball-joints, especially on Audi A6 and A8 after model year 1999 and for other vehicles with limited work space



Code	Fork opening mm	Clear height mm	Max. loading in t	Max. torque in N·m	⚖ g	
71050012	24	60-80	3.5	40	1577	1

12623-3 Ball joint separator

- zinc plated
- on heavy goods vehicles, buses and construction site vehicles



Code	Fork opening mm	Clear height mm	Max. loading in t	Max. torque in N·m	⚖ g	
71050014	35-45	115	20	200	2900	1

12623-4 Ball joint separator

- zinc plated
- on medium-sized and heavy HGV's, buses and construction site and other special vehicles



Code	Fork opening mm	Clear height mm	Max. loading in t	Max. torque in N·m	⚖ g	
71050015	27-36	90	10	100	2790	1