

WHEEL ALIGNMENT CATALOG

North America



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JOSAM® Cam-Aligner

Heavy-Duty Wheel Alignment with Camera Technology

JOSAM's compact wheel alignment system enables truck and bus workshops, as well as tire service centers, to offer wheel alignment services quickly and accurately.

Wheel angles like toe, steering box position, camber, out of square, parallelism and axle offset, caster, KPI, Toe Out On Turns and max turn are measured using our patented camera technology with the chassis center line of the vehicle as reference.

Enabled by the unique rolling method, toe and camber measurements may be taken while the vehicle is in driving position. No lifting of the axles with run-out compensation is required, alternatively the system can also be operated with standard run-out procedure.

Wireless technology is used for transmitting data between measuring units and the computer. The computer software guides the user through the measuring process and prints out measurement reports of values, before and after alignment.

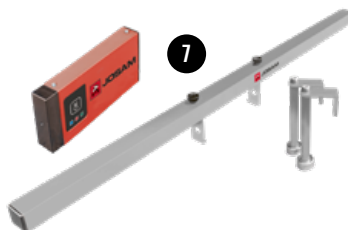
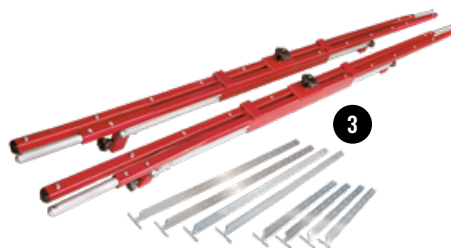




EEWA420 CAM-ALIGNER WHEEL ALIGNMENT SYSTEM

Set for Electronic Wheel Alignment and Frame Check

#	Article #	Pcs.	Description
1	TJC75250	1	Camera Sensors and Communication Module
2	TJC75010	4	Marker Kit FL/FR/RL/RR
3	TJC75006	1	Pair of Frame Gauges with Hangers
4	TJC21165	4	Cover For Reflective Targets
5	—	1	Cabinet For System Parts
6	TJC75339	1	Charging Cradle
7	TJC75661	1	Inclinometer Kit
8	TJC70044	6	Reference Blocks for Multi Axle Roll
9	TJC70114	2	Sticker Kit for Multi Axle Roll
10	TJC71349	2	Magnet Bracket for Frame
11	TJC75444	1	Bumper Adapter, Adjustable
12	EAKO388J9OA	1	Kenworth/Volvo Bumper Adapter Kit





EEWA410 CAM-ALIGNER WHEEL ALIGNMENT SYSTEM

Mobile Set for Electronic Wheel Alignment and Frame Check

#	Article #	Pcs.	Description
1	TJC16415	1	Storage Case for System Parts
2	TJC16416	1	Storage Case for Wheel Adapters
3	TJC16417	1	Storage Case for Frame Gauges
4	TSADVCF33NWM3	1	Rugged Touchscreen Laptop with Software
5	TJC75250	1	Camera Sensors and Communication Module
6	TJC75010	4	Marker Kit FL/FR/RL/RR
7	TJC72000	2	Spider 16-24" Wheel Adapter
8	TJC13762	2	Turn Tables

#	Article #	Pcs.	Description
9	TJC21165	4	Cover For Reflective Targets
10	TJC75006	1	Pair of Frame Gauges with Hangers
11	TJC72034	6	Extension Leg for Spider 16-24" Wheel Adapter
12	TJC75339	1	Charger Cradle
13	TJC71349	2	Magnet Bracket for Frame
14	TJC75444	1	Bumper Adapter, Adjustable
15	TJC75661	1	Inclinometer Kit
16	EAKO388J9OA	1	Kenworth/Volvo Bumper Adapter Kit

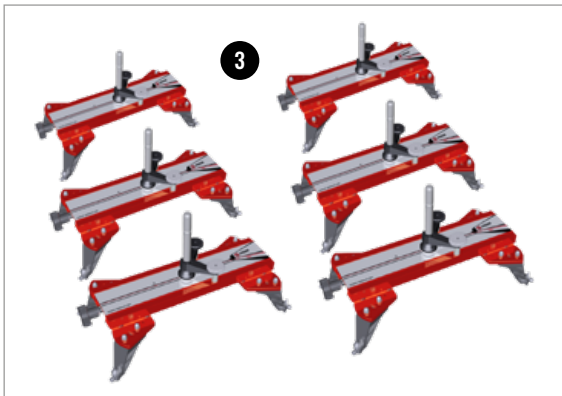
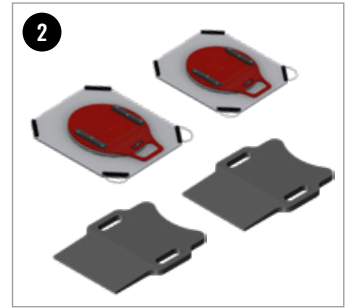




CAM-ALIGNER ADD-ONS AND ACCESSORIES

Additional Measuring Kits

#	Article #	Description
1	TJC14475KIT	Kit, Non-Friction Plates 500mm and Drive-On Ramps
2	TJC14478KIT	Kit with Turn Tables and Drive-On Ramps
3	EAKO400J11A	Kit with 6 Wheel Adapters 16-24"
4	EAKO388J45A	Kit with 6 Magnet Wheel Adapters
5	TJC721O4	Kit for Measuring Trailer
6	TJC73344	Kit for Measuring Buses and Vans
7	TJC7200OKIT	Kit for Measuring Light Commercial Vehicles
8	TJC72093	Kit for Frame Check





Cam-Aligner Accessories

#	Article #	Rec.	Description
1	TJC14475	2	Non Friction Plate 500mm
2	TJC14478	2	Turntable with Non Friction Plate
3	TJC15987	2	Wheel Adapter 16–24"
4	TJC16540	2	Magnet Wheel Adapter, Short
5	TJC16541	2	Magnet Wheel Adapter, Long
6	TJC72000	2	Spider Wheel Adapter
7	TJC21022	2	Drive-On Ramp
8	TJC10595	1	Spirit Level 1000mm
9	TJC11929	2	Magnet Hanger
10	TJC10234	1	Magnet Bracket for Frame, Right
11	TJC10235	1	Magnet Bracket for Frame, Left
12	TJC71349	2	Magnet Bracket for Frame Gauge
13	TJC11903	4	Stabilizer for Frame
14	TJC10530	1	Bar for Break Pedal
15	TJC72034	6	Extension Leg for 16–24" Wheel Adapter (Three Pcs Needed for One Wheel Adapter)

#	Article #	Rec.	Description
16	TCJ21165	4	Cover for Reflective Targets
17	TJC21229	1	Air Impact Hammer for Tie-Rod
18	TJC10949	1	Ball Joint Extractor, 3.3–5.8 Ton
19	TJC21025	1	Ball Joint Extractor, 11 Ton
20	TJC10975	1	Hydraulic Bushing Tool Kit
21	TJC11106	1	20 Ton C-Clamp for Spring Bolts and Bushings
22	TJC11107	1	Mandrel Set for Bushings
23	TJC21026	1	Hydraulic Hand Pump
24	TJC16415	1	Case for System Parts
25	TJC16416	1	Case for Wheel Adapters
26	TJC16417	1	Case for Frame Gauges
27	TJC21338	1	Pneumatic Truck Roller, 25 Ton
28	TJC21331	1	Pneumatic Truck Roller, 15 Ton
29	TJC75451	1	Wheel Adapter Trolley

Rec. = Recommended Order Quantity



Cam-Aligner Technical Data



Description	Specification
Measuring range	
Toe	±40 mm/m
Camber	±6°
Caster	±20°
KPI	±20°
Max. turn	65°
Measuring accuracy	
Toe	±0.2 mm/m*
Camber	±3 min*
Operational time	14 hours**
Charging time	3 h
Computer requirements	See www.josam.se
* For each camera	
** On fully charged batteries	



JOSAM® Laser AM

Cost-Effective Alignment of Heavy-Duty Vehicles

The JOSAM Laser AM system stands for precise wheel, axle and frame alignment at a relatively low investment. This reliable equipment can measure the wheel angles of trucks, coaches, semi-trailers, full-trailers, mobile cranes and other heavy vehicles and also check the vehicle's chassis or other frame constructions in a simple way.

The system is based upon laser technology and uses the geometric centerline as its reference. Measuring scales are moved out from the centerline and are targeted by a laser projector which in turn is mounted on a wheel adapter on each side of the axle which is measured.

Our most basic Laser AM system for toe measurement can of course be expanded into a sophisticated system which can measure all wheel angles as well as frame measurement.

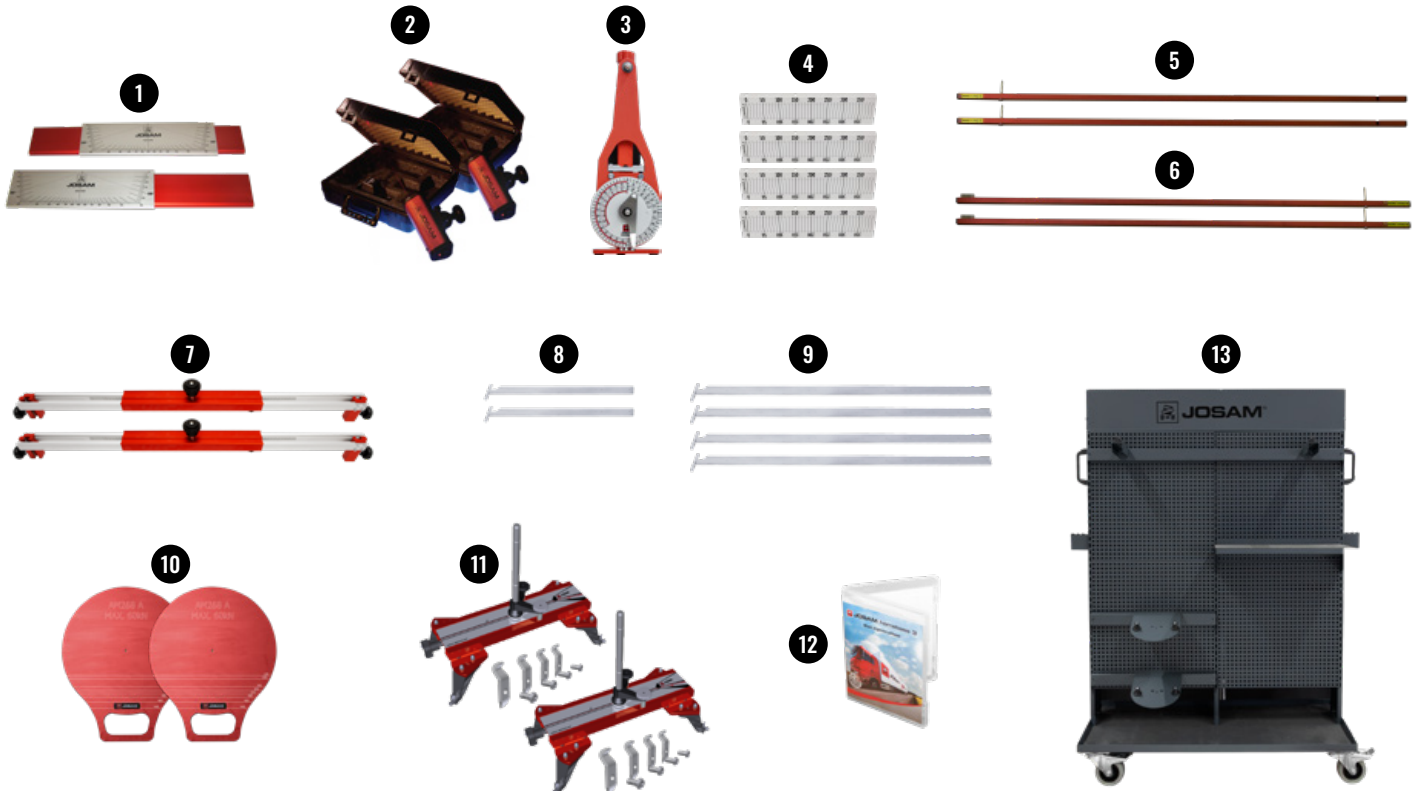




TJC21586 LASER AM WHEEL ALIGNMENT SYSTEM

Laser AM PRO—Toe, Camber and Turn Angles Kit

#	Article #	Pcs.	Description
1	TJC10265	2	Turn Angle Gauge
2	TJC10492	2	Diode Laser+Charger in Case
3	TJC10525	1	Angle Gauge Camber/Caster/KPI
4	TJC10540	4	Measuring Scale
5	TJC10586	2	Gauge Extension 1750 mm
6	TJC10587	2	Gauge Extension 1750 mm with Bubble
7	TJC11904	2	Self Centering Frame Gauge
8	TJC12036	2	Hanger 320 mm
9	TJC12040	4	Hanger 620 mm
10	TJC13762	2	Non Friction Plate
11	TJC14303	2	Wheel Adapter Universal 16-24"
12	TJC15169	1	JOSAM Laser AM Software for Wheel Alignment, Frame Measurement and Tire Diagnose
13	TJC21720	1	Trolley For Equipment

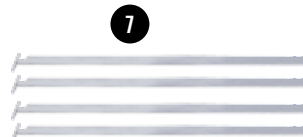
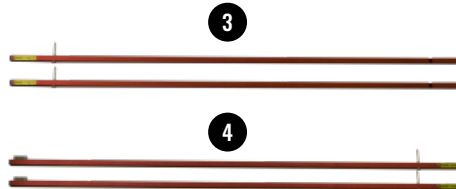
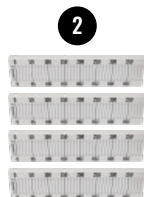




TJC21585 LASER AM WHEEL ALIGNMENT SYSTEM

Laser AM CORE—Toe and Out-of-Square Kit

#	Article #	Pcs.	Description
1	TJC10492	2	Diode Laser+Charger in Case
2	TJC10540	4	Measuring Scale
3	TJC10586	2	Gauge Extension 1750 mm
4	TJC10587	2	Gauge Extension 1750 mm with Bubble
5	TJC11904	2	Self Centering Frame Gauge
6	TJC12036	2	Hanger 320 mm
7	TJC12040	4	Hanger 620 mm
8	TJC13762	2	Non Friction Plate
9	TJC14303	2	Wheel Adapter Universal 16-24"
10	TJC15169	1	JOSAM Laser AM Software for Wheel Alignment, Frame Measurement and Tire Diagnose
11	TJC21720	1	Trolley For Equipment

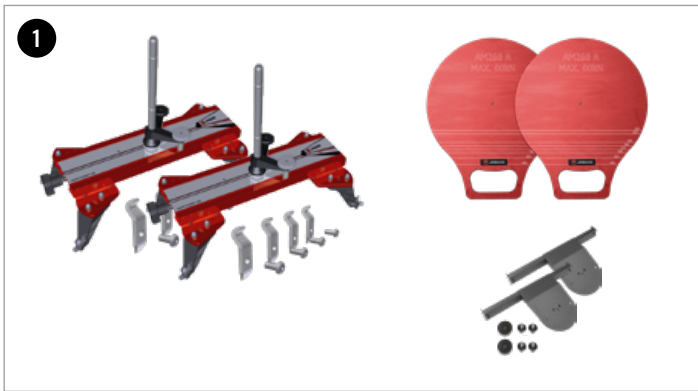




LASER AM ADD-ONS AND ACCESSORIES

Additional Measuring Kits

#	Article #	Description
1	TJC21596	Kit for Measuring Twin-Steered Vehicles
2	TJC72104	Kit for Measuring Trailer
3	TJC15877	Kit for Measuring Bus





Laser AM Accessories

#	Article #	Rec.	Description
1	TJC10234	2	Magnet Bracket for Frame, Right
2	TJC10235	2	Magnet Bracket for Frame, Left
3	TJC71349	2	Magnet Bracket for Frame Gauge
4	TJC11903	4	Stabilizer for Frame
5	TJC70693	2	Magnet Bracket
6	TJC10650	2	Sliding Scale for AM34A mm/m
7	TJC72103	1	2 × Magnet Wheel Adapter
8	TJC72243	2	Magnet Wheel Adapter for Flat Surfaces
9	TJC14287	2	Universal Wheel Adapter 13-19"
10	TJC10153	1	Foot Plate Set, Extend TJC14303 Gripping Range to 30" (Set is for one Wheel Adapter)
11	TJC10265	1	Turn Angle Gauge
12	TJC10525	2	Angle Gauge Camber, Caster, KPI
13	TJC13762	2	Non Friction Plate Ø 400 mm
14	TJC14475	2	Non Friction Plate Ø 500 mm
15	TJC14478	2	Turntable with Non Friction Plate

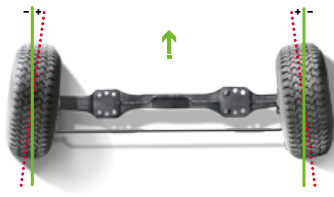
#	Article #	Rec.	Description
16	TJC21022	2	Drive-On Ramp
17	TJC70546	2	Wooden Plate For Height Compensation
18	TJC10595	1	Spirit Level 1000mm
19	TJC10689	2	Hanger for Spirit Level 160 mm
20	TJC11929	2	Magnet Hanger
21	TJC10530	1	Bar for Break Pedal
22	TJC15071	1	Hand Tool for Tie-rod
23	TJC21229	1	Air Impact Hammer for Tie-Rod
24	TJC10949	1	Ball Joint Extractor, 3.3-5.8 Ton
25	TJC21025	1	Ball Joint Extractor, 11 Ton
26	TJC10975	1	Hydraulic Bushing Tool Kit
27	TJC11106	1	20 Ton C-Clamp for Spring Bolts and Bushings
28	TJC11107	1	Mandrel Set for Bushings
29	TJC21026	1	Hydraulic Hand Pump
30	TJC11120	1	Box with Shims

Rec. = Recommended Order Quantity



TOTAL WHEEL ALIGNMENT

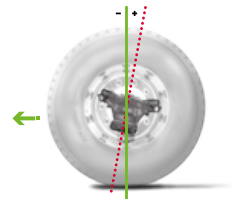
JOSAM® Wheel Alignment Systems Can Measure All These Wheel Angles:



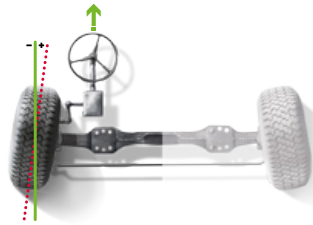
Toe



Camber



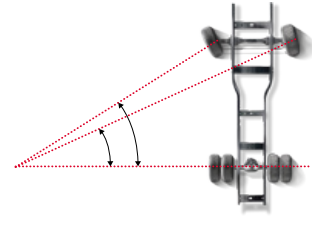
Caster



Steering gear middle position



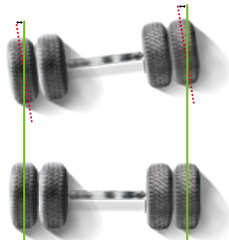
King pin inclination (KPI)



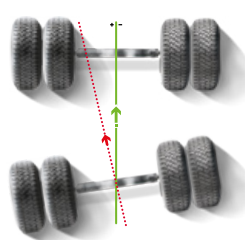
Toe-out on turn



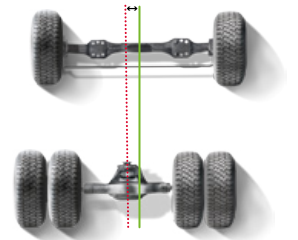
Maximum turn



Scrub Angle



Thrust Angle



Offset

WE STAND BY YOUR SIDE

From Installation to Profitable Business

INSTALLATION AT YOUR SHOP

We ensure the delivery and on-site installation of your equipment as per our agreement, including all the necessary adjustments required for your shop.

THE JOSAM ACADEMY – WORLDWIDE TRAINING PROGRAMS

We know our products are only as good as the support and training provided, and we at Josam are proud of our unique educational program, which helps you and your co-workers get the most from your investment.

SUPPORT TO KEEP YOUR BUSINESS RUNNING

In addition to our two-year warranty on all equipment*, Josam is never far away. The same goes for our distributors. If you have any questions or need assistance with anything related to Josam equipment, our ambition is to provide you with the best possible support.

* Warranty does not apply to wear parts



PEOPLE PLANET PROFIT

We love the fact that our products contribute to a more sustainable planet, and we hope you will join us. But we don't just do it to be nice. For us – and for you – Josam wheel alignment also means sustainable and long-term profitability.



VISIT WEBSITE



US | CANADA
800-225-5786

Snap-on® Total Shop Solutions offers a wide range of garage equipment solutions for workshops, garages, car dealers, and tire shops, thanks to the specific solutions provided by its portfolio of premium brands. Josam is a brand of TSS and is committed to product innovation and improvement. Therefore, specifications listed in this sell sheet may change without notice. ©2026 Snap-on Incorporated. Josam is a trademark, registered in the United States and other countries, of Snap-on Incorporated. All rights reserved. All other marks are marks of their respective holders. sswa23138 09/2026



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