

Wheel seals, hubs & bearings

Manufacturer index for North American dry van and refrigerated semi-trailers

Coverage: 2010 through September 19, 2026. Use this chart after identifying the installed axle spindle and hub. Trailer make, body style and model year do not establish one universal wheel-end part number.

Manufacturer / body	Model coverage	Wheel seals	Wheel bearings	Hub number / selection
Wabash / dry van	2010-present dry vans, including DuraPlate families	TN or TP chart, page 2	Match installed hub type, page 3	VIN/build specification + hub assembly ID; examples on page 4
Wabash / reefer	2010-present refrigerated vans	TN or TP chart, page 2	Match installed hub type, page 3	VIN/build specification + hub assembly ID; examples on page 4
Great Dane / dry van	2010-present dry vans, including Champion families	TN or TP chart, page 2	Match installed hub type, page 3	Read hub ID; STEMCO package or nut does not identify the hub
Great Dane / reefer	2010-present reefers, including Everest families	TN or TP chart, page 2	Match installed hub type, page 3	Read hub ID; STEMCO package or nut does not identify the hub
Utility / dry van	2010-present 4000D / 4000D-X families	TN or TP chart, page 2	PreSet row only when equipped; page 3	Confirm actual ConMet or other assembly ID; page 4
Utility / reefer	2010-present 3000R / multi-temp families	TN or TP chart, page 2	PreSet row only when equipped; page 3	Confirm actual ConMet or other assembly ID; page 4

Documented equipment changes

Utility: ConMet announced PreSet Plus as the standard base specification across Utility models on April 9, 2021, with TN/TP, iron/aluminum and drum/disc options. This is an announcement date, not a VIN production cutoff. [6]

Great Dane: Announced standard STEMCO Auto-Torq fasteners in December 2023; the announcement says they work with different hub manufacturers. It does not establish a universal seal or hub number. [7]

Application limit: The six rows are lookup routes, not confirmation that every trailer uses TN or TP parts. Special or unitized wheel ends require their own axle/hub parts list. No complete OEM year-by-year VIN fitment catalog was available in the reviewed public sources. [1-3, 6-9]

Wheel seal cross-reference

Select the spindle family first | CHR interpreted as Chicago Rawhide (CR / SKF)

The numbers below are manufacturer-published cross-references for the indicated spindle family. Match the existing seal/application and hub specification before ordering. Brand lines differ in design and installation requirements. [1, 4]

Seal brand / product line	TN trailer - tapered spindle	TP trailer - straight / parallel spindle
STEMCO Guardian HP	307-0743	307-0723
STEMCO Grit Guard (seal set)	372-7097	372-7099
STEMCO Voyager	373-0143	373-0123
STEMCO Discover	373-0243	373-0223
STEMCO Discover XR	373-0443	373-0423
CHR / CR / SKF Scotseal Classic	46305	42623
CHR / CR / SKF Scotseal Plus XL	46300	42627
CHR / CR / SKF Scotseal X-Treme	46300XT	42627XT
National Standard / Red series	370025A	370065A
National Gold series	380025A	380065A
RevHD Rev 1	R1-T03	R1-T04
RevHD Rev Max	RM-T03	RM-T04

Source: ConMet Wheel Seal Cross Reference Chart, August 2025 [1]; RevHD brochure, May 2026 [4].
Ordering note: These are seal or seal-set numbers, not hub assembly numbers. Cross-reference does not authorize converting a specialized wheel-end system.

Wheel bearing reference

Cone = inner bearing member with rollers | Cup = outer race | Numbers shown cone first

Choose conventional or PreSet/PreSet Plus by the hub actually installed. The bearing family alone is not a complete hub identifier. Tables use Timken set numbers and component numbers. [2, 5]

Conventional hubs - manually adjusted bearing applications

Spindle / position	Bearing cone	Bearing cup (race)	Timken set	Sets per hub
TN - inner	HM218248	HM218210	SET414	1
TN - outer	HM212049	HM212011	SET413	1
TP - inner and outer	HM518445	HM518410	SET415	2 total

ConMet PreSet / PreSet Plus - precision bearing applications

Spindle / position	Timken cone / cup	Timken set	ConMet bearing no.	Hyatt cone / cup
TN - inner	NP965350 / NP503727	SET431	10041935	HM218248 PS / HM218210 PS
TN - outer	NP899357 / NP026773	SET427	10041905	HM212049 PS / HM212011 PS
TP - inner and outer (2 sets per hub)	NP174964 / NP593561	SET432	10041945	HM518445 PS / HM518410 PS

Do not substitute conventional bearings into a PreSet/PreSet Plus hub. ConMet specifies precision bearings for that system. Preserve all suffixes, including PS, and use the correct bearing spacer and approved service parts. [2]

ConMet rebuild-kit references: TN **10081730**; TP **10081731**. Published contents: PreSet/PreSet Plus bearings, bearing spacer and ConMet seal. Confirm applicability to the assembly ID. [2]

Sources: ConMet bearing chart, September 2024 [2], and Timken interchange, December 2024 [5].

Hub assembly number reference

Verified ConMet catalog examples | Drum-brake applications only in this table

These are catalog examples, not blanket OEM replacements. They may be considered for Wabash, Great Dane or Utility only after the installed assembly is positively cross-referenced. Air-disc hub/rotor assemblies require a separate lookup. [3, 9]

ConMet hub no.	Hub system	Spindle	Material	Stud standout	Bearing row / seal family
10082225	PreSet	TN	Aluminum	3.80 in	PreSet TN, page 3 / TN, page 2
10082227	PreSet	TN	Iron	4.08 in	PreSet TN, page 3 / TN, page 2
10082229	PreSet	TP	Aluminum	3.81 in	PreSet TP, page 3 / TP, page 2
10082231	PreSet	TP	Iron	4.08 in	PreSet TP, page 3 / TP, page 2
10082252	Conventional	TN	Iron	4.08 in	Conventional TN / TN seals
10082256	Conventional	TP	Iron	4.08 in	Conventional TP / TP seals

Source [3] lists these six configurations for aluminum wheels. Match wheel mounting, stud length, brake mounting, load rating, offset and ABS equipment. The source labels the first four **PreSet**; they are not presented here as PreSet Plus assembly numbers.

Parts that are often confused with a hub assembly number

Part type	TN	TP	What the number represents
ConMet seal kit	10045888	10045889	Seal + spindle preparation kit; not a hub
ConMet seal / spacer kit	10081521	10081522	Seal + PreSet/PreSet Plus bearing spacer + prep kit

Confirm before ordering a hub

Record the trailer VIN/year, axle maker/model/serial, hub maker and complete assembly number, spindle type, and drum or disc brake configuration. Compare the hub markings and dimensions in the manufacturer catalog; a casting number may need further identification. For ConMet, use app.conmet.com. [9]

Sources & fitment notes

Manufacturer publications | Linked titles open the supporting references

[1] ConMet - Wheel Seal Cross Reference Chart

08-2025; TN/TP seals across all four requested brands.

[2] ConMet - Wheel Bearings Cross Reference Chart

09-2024; conventional / PreSet bearings, kits and substitution restriction.

[3] ConMet - Aftermarket Recommended Stocking List

05-2025, page 2; trailer hub assembly numbers and physical configurations.

[4] RevHD - Severe Duty Wheel Seals brochure

05-2026; Rev 1 / Rev Max and competing-brand seal interchange.

[5] Timken - ConMet to Timken Wheel Bearing Interchange

12-2024, order 11590; independent bearing-number verification.

[6] ConMet - Utility makes PreSet Plus standard on all trailers

April 9, 2021; standard-base-specification announcement and configurations.

[7] Great Dane - STEMCO Auto-Torq axle fastener announcement

December 4, 2023; standard fastener announcement, compatible with different hubs.

[8] Wabash - Van Trailers Parts & Services

Dry / refrigerated trailer operator manual and OEM parts support.

[9] ConMet - Hub Service Manual / Wheel End App

Hub identification, component-specific service and replacement lookup.

[10] Great Dane - Trailer Axle Oil Seal Cross Reference

Manufacturer parts table correlating bearing families with seal numbers.

Use and limitations: Research checked September 19, 2026. This is a component cross-reference for the requested 2010-present fleet range, not a VIN-specific fitment guarantee. No year-by-year part changes are inferred. Original options, replacement axles and replacement hubs can alter the installed parts. Follow the applicable hub, axle and seal manufacturer instructions for service.