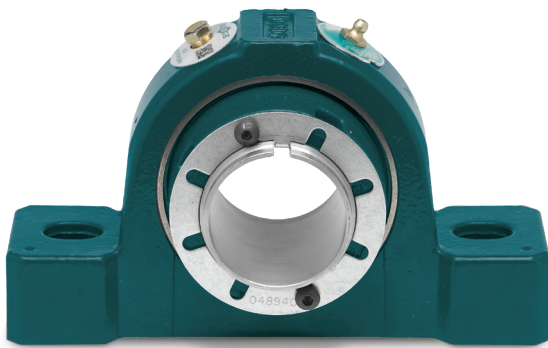


MOUNTED SPHERICAL ROLLER BEARINGS

ISN

SN-dimensioned solutions for easy installation and removal

ISN mounted spherical roller bearings are the drop-in replacement solution to traditional SN-dimensioned products. ISN bearings are engineered with a patented tapered adapter for easier, faster installation and removal without damaging the shaft. Each ISN bearing arrives completely assembled and pre-lubricated to be shaft-ready out of the box—eliminating unnecessary hassle while saving you valuable time and money. As part of the Dodge® mounted roller bearing legacy that spans over 100 years, ISN bearings are the long-lasting solution for a variety of applications to keep your operations up and running.



ISN

- Factory greased and sealed
- Initial grease included with bearing
- Arrives as a single, shaft-ready unit
- Constant seal pressure in misaligned conditions
- Seal and housing design retains grease near rollers
- Simple clearance setting, no special tools needed
- Easy, intuitive removal with included dismount mechanism

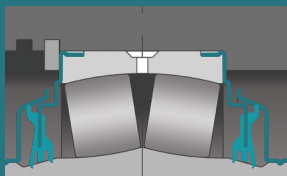


vs. Standard SN

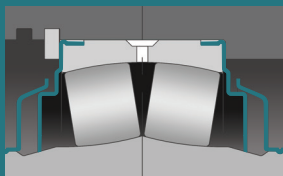
- User packs grease, subject to onsite contamination
- Customer pays extra for initial grease fill
- Three or more packages, user-assembled
- Diminished seal pressure in misaligned conditions
- Grease migrates away from rollers to housing cavity
- Requires feeler gauges
- Difficult to remove with no built-in dismount mechanism

Premier sealing solutions

The Trident™ triple-lip contact seal is mechanically retained and is extremely effective for dirty, low- to medium-speed applications. For high-speed and high-temperature applications, a labyrinth seal option is available.



Trident seal



Labyrinth seal

End covers

When protection from rotating equipment is needed, easy-to-install end covers are available and help prevent contaminants from coming in contact with the seal.



Competitive interchanges for SN-dimensioned bearing units

Dodge units listed below match critical dimensions of SN-dimensioned bearings. Additional sizes are available upon request.

Non-expansion (fixed)												
Bore (mm)	Dodge ISN		SKF	Timken/QM		NTN		Schaeffler/FAG				
	Part number	Description	SYNT	Single V-Lock	Double V-Lock	SPW	SN500 series	Housing	Bearing	Adapter	Locating ring (2 pieces)	Seal
With rubber contact seal												
50	071004	P2B511-ISN-050MFR	SYNT 50 F	QVSN11V050SM	QVVSN11V050SM	SPW2211-N1	SN511	SNV100	22211K	H311	FRM100/9,5	DH511
55	071005	P2B512-ISN-055MFR	SYNT 55 F	QVSN13V055SM	QVVSN13V055SM	—	—	SNV110	22212K	H312	FRM110/10	DH512
60	071006	P2B513-ISN-060MFR	SYNT 60 F	QVSN13V060SM	QVVSN13V060SM	SPW2213-N1	SN513	SNV120	22213K	H313	FRM120/10	DH513
65	071007	P2B515-ISN-065MFR	SYNT 65 F	QVSN15V065SM	QVVSN15V065SM	SPW2215-N1	SN515	SNV130	22215K	H315	FRM130/12,5	DH515
70	071008	P2B516-ISN-070MFR	SYNT 70 F	QVSN17V070SM	QVVSN17V070SM	—	—	SNV140	22216K	H316	FRM140/12,5	DH516
75	071009	P2B517-ISN-075MFR	SYNT 75 F	QVSN17V075SM	QVVSN17V075SM	SPW2217-N1	SN517	SNV150	22217K	H317	FRM150/12,5	DH517
80	071010	P2B518-ISN-080MFR	SYNT 80 F	QVSN20V080SM	QVVSN20V080SM	—	—	SNV160	22218K	H318	FRM160/12,5	DH518
85	071011	P2B519-ISN-085MFR	SYNT 85 F	QVSN20V085SM	QVVSN20V085SM	—	—	SNV170	22219K	H319	FRM170/12,5	DH519
90	071012	P2B520-ISN-090MFR	SYNT 90 F	QVSN20V090SM	QVVSN20V090SM	SPW2220-N1	SN520	SNV180	22220K	H320	FRM180/12	DH520
100	071013	P2B522-ISN-100MFR	SYNT 100 F	QVSN22V100SM	QVVSN22V100SM	SPW2222-N1	SN522	SNV200	22222K	H322	FRM200/13,5	DH522
110	071014	P2B524-ISN-110MFR	SYNT 110 F	QVSN22V110SM	QVVSN22V110SM	SPW2224-N1	SN524	SNV215	22224K	H3124	FRM215/14	DH524
115	071015	P2B526-ISN-115MFR	SYNT 115 F	QVSN26V115SM	QVVSN26V115SM	SPW2226-N1	SN526	SNV230	22226K	H3126	FRM230/13	DH526
125	071016	P2B528-ISN-125MFR	SYNT 125 F	QVSN28V125SM	QVVSN28V125SM	SPW2228-N1	SN528	SNV250	22228K	H3128	FRM250/15	DH528
135	071102	P2B530-ISN-135MFR	—	—	—	—	—	SNV270	22230K	H3130	FRM270/16,5	DH530
140	071106	P2B532-ISN-140MFR	—	—	—	SPW2232-N1	SN532	SNV290	22232K	H3132	FRM290/17	DH532

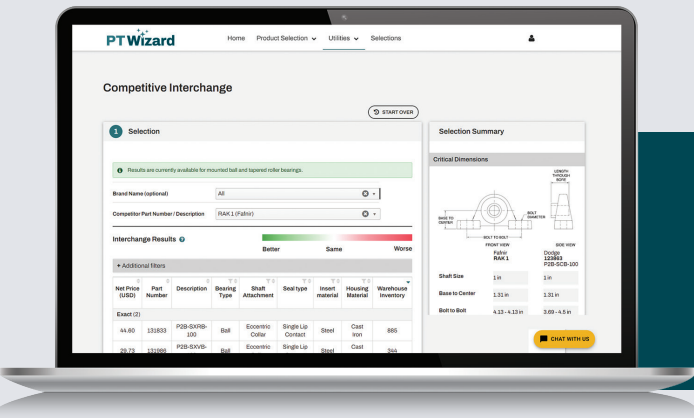
With labyrinth seal												
50	071038	P2B511-ISN-050MFS	SYNT 50 FTS	QVSN11V050ST	QVVSN11V050ST	SPW2211-N1	SN511	SNV100	22211K	H311	FRM100/9,5	TSV511
55	071039	P2B512-ISN-055MFS	SYNT 55 FTS	QVSN13V055ST	QVVSN13V055ST	—	—	SNV110	22212K	H312	FRM110/10	TSV512
60	071040	P2B513-ISN-060MFS	SYNT 60 FTS	QVSN13V060ST	QVVSN13V060ST	SPW2213-N1	SN513	SNV120	22213K	H313	FRM120/10	TSV513
65	071041	P2B515-ISN-065MFS	SYNT 65 FTS	QVSN15V065ST	QVVSN15V065ST	SPW2215-N1	SN515	SNV130	22215K	H315	FRM130/12,5	TSV515
70	071042	P2B516-ISN-070MFS	SYNT 70 FTS	QVSN17V070ST	QVVSN17V070ST	—	—	SNV140	22216K	H316	FRM140/12,5	TSV516
75	071043	P2B517-ISN-075MFS	SYNT 75 FTS	QVSN17V075ST	QVVSN17V075ST	SPW2217-N1	SN517	SNV150	22217K	H317	FRM150/12,5	TSV517
80	071044	P2B518-ISN-080MFS	SYNT 80 FTS	QVSN20V080ST	QVVSN20V080ST	—	—	SNV160	22218K	H318	FRM160/12,5	TSV518
85	071045	P2B519-ISN-085MFS	SYNT 85 FTS	QVSN20V085ST	QVVSN20V085ST	—	—	SNV170	22219K	H319	FRM170/12,5	TSV519
90	071046	P2B520-ISN-090MFS	SYNT 90 FTS	QVSN20V090ST	QVVSN20V090ST	SPW2220-N1	SN520	SNV180	22220K	H320	FRM180/12	TSV520
100	071047	P2B522-ISN-100 MFS	SYNT 100 FTS	QVSN22V100ST	QVVSN22V100ST	SPW2222-N1	SN522	SNV200	22222K	H322	FRM200/13,5	TSV522
110	071048	P2B524-ISN-110MFS	SYNT 110 FTS	QVSN22V110ST	QVVSN22V110ST	SPW2224-N1	SN524	SNV215	22224K	H3124	FRM215/14	TSV524
115	071049	P2B526-ISN-115MFS	SYNT 115 FTS	QVSN26V115ST	QVVSN26V115ST	SPW2226-N1	SN526	SNV230	22226K	H3126	FRM230/13	TSV526
125	071050	P2B528-ISN-125MFS	SYNT 125 FTS	QVSN28V125ST	QVVSN28V125ST	SPW2228-N1	SN528	SNV250	22228K	H3128	FRM250/15	TSV528
135	071104	P2B530-ISN-135MFS	—	—	—	—	—	SNV270	22230K	H3130	FRM270/16,5	TSV530
140	071108	P2B532-ISN-140MFS	—	—	—	SPW2232-N1	SN532	SNV290	22232K	H3132	FRM290/17	TSV532

Expansion (float)												
Bore (mm)	Dodge ISN		SKF	Timken/QM		NTN		Schaeffler/FAG				
	Part number	Description	SYNT	Single V-Lock	Double V-Lock	SPW	SN500 series	Housing	Bearing	Adapter	Locating ring (2 pieces)	Seal
With rubber contact seal												
50	071021	P2B511-ISN-050MLR	SYNT 50 L	QVSN11V050SEM	QVVSN11V050SEM	SPW2211-N1	SN511	SNV100	22211K	H311	FRM100/9,5	DH511
55	071022	P2B512-ISN-055MLR	SYNT 55 L	QVSN13V055SEM	QVVSN13V055SEM	—	—	SNV110	22212K	H312	FRM110/10	DH512
60	071023	P2B513-ISN-060MLR	SYNT 60 L	QVSN13V060SEM	QVVSN13V060SEM	SPW2213-N1	SN513	SNV120	22213K	H313	FRM120/10	DH513
65	071024	P2B515-ISN-065MLR	SYNT 65 L	QVSN15V065SEM	QVVSN15V065SEM	SPW2215-N1	SN515	SNV130	22215K	H315	FRM130/12,5	DH515
70	071025	P2B516-ISN-070MLR	SYNT 70 L	QVSN17V070SEM	QVVSN17V070SEM	—	—	SNV140	22216K	H316	FRM140/12,5	DH516
75	071026	P2B517-ISN-075MLR	SYNT 75 L	QVSN17V075SEM	QVVSN17V075SEM	SPW2217-N1	SN517	SNV150	22217K	H317	FRM150/12,5	DH517
80	071027	P2B518-ISN-080MLR	SYNT 80 L	QVSN20V080SEM	QVVSN20V080SEM	—	—	SNV160	22218K	H318	FRM160/12,5	DH518
85	071028	P2B519-ISN-085MLR	SYNT 85 L	QVSN20V085SEM	QVVSN20V085SEM	—	—	SNV170	22219K	H319	FRM170/12,5	DH519
90	071029	P2B520-ISN-090MLR	SYNT 90 L	QVSN20V090SEM	QVVSN20V090SEM	SPW2220-N1	SN520	SNV180	22220K	H320	FRM180/12	DH520
100	071030	P2B522-ISN-100MLR	SYNT 100 L	QVSN22V100SEM	QVVSN22V100SEM	SPW2222-N1	SN522	SNV200	22222K	H322	FRM200/13,5	DH522
110	071031	P2B524-ISN-110MLR	SYNT 110 L	QVSN22V110SEM	QVVSN22V110SEM	SPW2224-N1	SN524	SNV215	22224K	H3124	FRM215/14	DH524
115	071032	P2B526-ISN-115MLR	SYNT 115 L	QVSN26V115SEM	QVVSN26V115SEM	SPW2226-N1	SN526	SNV230	22226K	H3126	FRM230/13	DH526
125	071033	P2B528-ISN-125MLR	SYNT 125 L	QVSN28V125SEM	QVVSN28V125SEM	SPW2228-N1	SN528	SNV250	22228K	H3128	FRM250/15	DH528
135	071103	P2B530-ISN-135MLR	—	—	—	—	—	SNV270	22230K	H3130	FRM270/16,5	DH530
140	071107	P2B532-ISN-140MLR	—	—	—	SPW2232-N1	SN532	SNV290	22232K	H3132	FRM290/17	DH532

With labyrinth seal												
50	071055	P2B511-ISN-050MLS	SYNT 50 LTS	QVSN11V050SET	QVVSN11V050SET	SPW2211-N1	SN511	SNV100	22211K	H311	FRM100/9,5	TSV511
55	071056	P2B512-ISN-055MLS	SYNT 55 LTS	QVSN13V055SET	QVVSN13V055SET	—	—	SNV110	22212K	H312	FRM110/10	TSV512
60	071057	P2B513-ISN-060MLS	SYNT 60 LTS	QVSN13V060SET	QVVSN13V060SET	SPW2213-N1	SN513	SNV120	22213K	H313	FRM120/10	TSV513
65	071058	P2B515-ISN-065MLS	SYNT 65 LTS	QVSN15V065SET	QVVSN15V065SET	SPW2215-N1	SN515	SNV130	22215K	H315	FRM130/12,5	TSV515
70	071059	P2B516-ISN-070MLS	SYNT 70 LTS	QVSN17V070SET	QVVSN17V070SET	—	—	SNV140	22216K	H316	FRM140/12,5	TSV516
75	071060	P2B517-ISN-075MLS	SYNT 75 LTS	QVSN17V075SET	QVVSN17V075SET	SPW2217-N1	SN517	SNV150	22217K	H317	FRM150/12,5	TSV517
80	071061	P2B518-ISN-080MLS	SYNT 80 LTS	—	—	—	—	SNV160	22218K	H318	FRM160/12,5	TSV518
85	071062	P2B519-ISN-085MLS	SYNT 85 LTS	—	—	—	—	SNV170	22219K	H319	FRM170/12,5	TSV519
90	071063	P2B520-ISN-090MLS	SYNT 90 LTS	—	—	SPW2220-N1	SN520	SNV180	22220K	H320	FRM180/12	TSV520
100	071064	P2B522-ISN-100MLS	SYNT 100 LTS	—	—	SPW2222-N1	SN522	SNV200	22222K	H322	FRM200/13,5	TSV522
110	071065	P2B524-ISN-110MLS	SYNT 110 LTS	—	—	SPW2224-N1	SN524	SNV215	22224K	H3124	FRM215/14	TSV524
115	071066	P2B526-ISN-115MLS	SYNT 115 LTS	—	—	SPW2226-N1	SN526	SNV230	22226K	H3126	FRM230/13	TSV526
125	071067	P2B528-ISN-125MLS	SYNT 125 LTS	—	—	SPW2228-N1	SN528	SNV250	22228K	H3128	FRM250/15	TSV528
135	071105	P2B530-ISN-135MLS	—	—	—	—	—	SNV270	22230K	H3130	FRM270/16,5	TSV530
140	071109	P2B532-ISN-140MLS	—	—	—	SPW2232-N1	SN532	SNV290	22232K	H3132	FRM290/17	TSV532

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