

INDUSTRIAL AUTOMATION PRODUCT

125565-01

Half-height Module Card Guide

Bently Nevada 125565-01 is the Half-height Module Card Guide identified in the 3500/05 System Rack spare-parts list. It supports the documented rack hardware arrangement during assembly or maintenance.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	Bently Nevada 3500/05 System Rack
Part number	125565-01
Product role	Guides a half-height module into the adapter
Lifecycle	Installed product record

DOCUMENT SCOPE

Exact-article identity, technical data, host role, installation checks, applications, precautions and engineering verification.

MODEL-SPECIFIC ENGINEERING NOTE

Verify 125565-01 against the 3500/05 rack service record before installation. Preserve the associated rack hardware, alignment and fastening arrangement, then inspect the completed assembly before modules are returned to service.

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125565-01

Technical Specifications

Technical values below are limited to the named Bently Nevada product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Manufacturer part number	125565-01	System family	3500/05 System Rack
Component description	Half-height Module Card Guide	Service classification	Rack hardware spare
Documented quantity	1 per half-height module adapter		

Verified Product Record

DATA GROUP	VERIFIED VALUE
Installed host / carrier	Bently Nevada 3500/05 System Rack
Primary system role	Guides a half-height module into the adapter
Connection boundary	Verify 125565-01 against the 3500/05 rack service record before installation. Preserve the associated rack hardware, alignment and fastening arrangement, then inspect the completed assembly before modules are returned to service.
Controlled acceptance duty	Half-height module alignment

ENGINEERING BOUNDARY

Confirm 125565-01, the 125388-01 internal chassis, 04300111 fasteners, guide orientation, module travel, connector alignment, adjacent hardware and affected-channel diagnostics before release.

Pre-Installation Checks

1	Confirm 125565-01 and the assigned half-height adapter position.	2	Place affected protection channels in the approved maintenance state.
3	Remove rack power as required by the installed service procedure.	4	Record guide orientation and mating chassis details before removal.

Documented Service Record

RECORD ITEM	REQUIRED ENTRY
As-found article	125565-01
Installed host	Bently Nevada 3500/05 System Rack
Connection record	Capture before removal
Controlled release	Diagnostics and functional proof

System Role and Architecture

Bently Nevada 125565-01 is the Half-height Module Card Guide identified in the 3500/05 System Rack spare-parts list. It supports the documented rack hardware arrangement during assembly or maintenance.

FUNCTION 1 Guides a half-height module into the adapter	FUNCTION 2 Aligns the module with the internal chassis
FUNCTION 3 Protects the rack connector from misaligned insertion	FUNCTION 4 Supports repeatable module removal and installation

Matched System Components

NO.	DOCUMENTED COMPONENT / ROLE
1	Bently Nevada 3500/05 System Rack
2	Half-height Module Card Guide
3	Half-height module alignment
4	Verify 125565-01 against the 3500/05 rack service record before installation. Preserve the associated rack hardware, alignment and fastening arrangement, then inspect the completed assembly before modules are returned to service.

System Integration Record

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	Bently Nevada 3500/05 System Rack
Interface role	Guides a half-height module into the adapter
Field / power context	Use 125565-01 only in the documented 3500/05 rack maintenance context. Record the existing position and adjacent parts before removal, protect the rack backplane and module guides, and complete a visual and functional inspection before energization.
Commissioning evidence	Restore the monitor and verify affected-slot recognition and diagnostics.

Installation and Connection Checks

1 Inspect for cracks, deformation, contamination or fastening damage.	2 Match the guide to 125388-01 and the documented 04300111 screw set.
3 Test module travel without forcing or loading the backplane connector.	4 Restore the monitor and verify affected-slot recognition and diagnostics.

MANUFACTURER SOURCE RECORD 3500/05 System Rack Datasheet Baker Hughes document 141525 Rev. N, 2025

Applications and Engineering Context

Half-height module alignment

Maintains the insertion path in the documented adapter assembly.

Rack slot service

Supports controlled repair of a worn or damaged guide position.

Monitor replacement preparation

Provides the guide path checked before a half-height monitor is fitted.

3500 rack lifecycle maintenance

Retains the approved adapter geometry during planned refurbishment.

TECHNICAL NOTE

Verify 125565-01 against the 3500/05 rack service record before installation. Preserve the associated rack hardware, alignment and fastening arrangement, then inspect the completed assembly before modules are returned to service.

Model-Specific Acceptance Evidence

CHECK	ACCEPTANCE CONDITION
Identity	125565-01 recorded
Host / carrier	Bently Nevada 3500/05 System Rack
Physical interface	Guides a half-height module into the adapter
Configuration	Test module travel without forcing or loading the backplane connector.
Functional proof	Restore the monitor and verify affected-slot recognition and diagnostics.

IMPORTANT NOTICE

Confirm 125565-01, the 125388-01 internal chassis, 04300111 fasteners, guide orientation, module travel, connector alignment, adjacent hardware and affected-channel diagnostics before release.

Controlled Release Summary

RELEASE ITEM	MODEL-SPECIFIC CONDITION
Article identity	125565-01
Approved role	Half-height module alignment
Final validation	Restore the monitor and verify affected-slot recognition and diagnostics.

Engineering Precautions

1	Confirm 125565-01 and the assigned half-height adapter position.	2	Place affected protection channels in the approved maintenance state.
3	Remove rack power as required by the installed service procedure.	4	Record guide orientation and mating chassis details before removal.
5	Inspect for cracks, deformation, contamination or fastening damage.	6	Match the guide to 125388-01 and the documented 04300111 screw set.
7	Test module travel without forcing or loading the backplane connector.	8	Restore the monitor and verify affected-slot recognition and diagnostics.

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
3500/72M	176449-08 rod position monitor	View 3500/72M page
3500/92	136180-01 gateway module	View 3500/92 page
3500/15	133292-01 power supply	View 3500/15 page
3500/22M	288055-01 data interface	View 3500/22M page
3500/25	enhanced Keyphasor module	View 3500/25 page
3500/33	149986-01 relay module	View 3500/33 page
3500/40M	176449-01 proximity monitor	View 3500/40M page
3500/42M	176449-02 seismic monitor	View 3500/42M page

MANUFACTURER SOURCE RECORD

3500/05 System Rack Datasheet
Baker Hughes document 141525 Rev. N, 2025

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