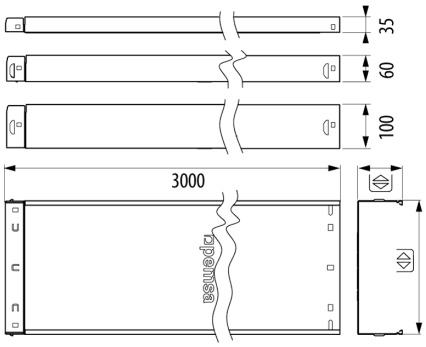
Pemsaband Speed Solid





Description

Solid metal cable tray with a screwless snap-fit connect system, Available in heights of 35, 60, and 100 mm, with PG and AZ+ protection systems. New profile design and flat safety edge maximize contact with the cover. The Pemsaband® Speed solid cable tray is designed for supporting and managing electrical and telecommunications cables in medium and light loads. Its easy assembly, thanks to a screwless, snap-fit quick-connect system, saves on material and labor costs.

Advantages

Revolutionary screwless snap-fit quick-connect system, easy to install in just one step, and requires no additional tools or accessories. This innovative solution streamlines your installation process, saving you money on both materials and labor. Say goodbye to hassles and save time with our efficient and practical connection system!

New profiled and flat safety edge design, created to offer maximum protection for your cables and reinforce the cable tray structure. With an 80% increase in the contact surface between the cable tray and the cover, it ensures optimal electrical continuity, meeting the standards of IEC 61357 Edition 3.

Wide variety of sizes: heights 35, 60 and 100 mm, and widths from 60 to 600 mm, PG and AZ+ protection systems, and a complete range of accessories from the Pemsaband® family that allows adaptation to the requirements of each electrical installation.

Innovative design with a renewed and distinctive aesthetic, our cable trays offer a modern and attractive look, in addition to meeting the highest quality and safety standards.

Regulatory compliance: designed and developed in accordance with edition 3 of IEC 61537, Directive 2014/35/EU (CE marking) and UKCA marking, ensuring safety and reliability in electrical installations.

Applications

A system designed for the routing, support, transport and distribution of cables in electrical and/or telecommunications installations. It is applicable to, among others, the following areas: - Buildings, including public buildings, shopping centres, and Data Centres (DCs) . - Civil works and infrastructure, such as tunnels, car parks, airports and railways and underground/metro lines. - The service and industrial sectors, being suitable for applications in the manufacturing, chemical and food industries. The system is suitable for rapid installation indoors in controlled atmospheres, as well as in outdoor installations or humid environments, selecting the appropriate protection and finishing system in each case based on the environmental and service conditions.

Solutions

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Pemsaband Speed Solid

Main technical characteristics

35, 60, 100 | 60, 100, 150, 200, 300, 400, 500, 600 | 3 | Steel with surface coating | 20 J | IP44 | -50 / 150 °C | A1 No combustible | ETIM 10 EC000047

Product data

PG	Class 3	35	60	82004490	0,659	24	2100
PG	Class 3	35	100	82004491	0,825	24	3500
PG	Class 3	35	150	82004492	1,033	12	5250
PG	Class 3	35	200	82004493	1,484	12	7000
PG	Class 3	35	300	82004494	1,983	12	10500
PG	Class 3	60	60	82004495	0,819	24	3600
PG	Class 3	60	100	82004496	1,028	24	6000
PG	Class 3	60	150	82004497	1,480	12	9000
PG	Class 3	60	200	82004498	1,728	12	12000
PG	Class 3	60	300	82004499	2,602	6	18000
PG	Class 3	60	400	82004500	3,632	6	24000
PG	Class 3	60	500	82004501	5,352	6	30000
PG	Class 3	60	600	82004502	6,228	6	36000
PG	Class 3	100	100	82004503	1,629	12	10000
PG	Class 3	100	200	82004504	2,480	6	20000
PG	Class 3	100	300	82004505	3,068	6	30000
PG	Class 3	100	400	82004506	5,182	6	40000
PG	Class 3	100	500	82004507	6,012	6	50000
PG	Class 3	100	600	82004508	6,873	6	60000
AZ+	Class 8	35	60	82004528	0,788	24	2100
AZ+	Class 8	35	100	82004529	0,987	24	3500
AZ+	Class 8	35	150	82004530	1,236	12	5250
AZ+	Class 8	35	200	82004531	1,484	12	7000
AZ+	Class 8	35	300	82004532	2,634	12	10500
AZ+	Class 8	60	60	82004533	1,032	24	3600
AZ+	Class 8	60	100	82004534	1,231	24	6000
AZ+	Class 8	60	150	82004535	1,480	12	9000
AZ+	Class 8	60	200	82004536	1,728	12	12000
AZ+	Class 8	60	300	82004537	2,968	6	18000
AZ+	Class 8	60	400	82004538	3,632	6	24000
AZ+	Class 8	60	500	82004539	5,352	6	30000
AZ+	Class 8	60	600	82004540	6,213	6	36000
AZ+	Class 8	100	100	82004541	1,629	12	10000
AZ+	Class 8	100	200	82004542	2,828	6	20000
AZ+	Class 8	100	300	82004543	3,494	6	30000

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Ⓢ	Class IEC 61537			REF	kg/u		mm²
AZ+	Class 8	100	400	82004544	5,183	6	40000
AZ+	Class 8	100	500	82004545	6,012	6	50000
AZ+	Class 8	100	600	82004546	6,873	6	60000

Ⓢ Protection System

CU - Copper electroplated

PG - Pregalvanised

EZ - Electrogalvanised

BC - Electrogalvanised Bichromate

BK8 - High Resistance Coating

GC - Hot Dip Galvanising

INOX - Stainless Steel

PT - Polyester Paint

AL - Aluminum

LN - Brass or Nickel-plated brass

Ⓜ Insulating materials

PC+ABS - Halogen Free Polycarbonate + ABS

PVC - Polyvinyl Chloride

PP - Halogen Free Polypropylene

PA6 - Halogen Free Polyamide 6

PA12 - Halogen Free Polyamide 12

PU - Polyurethane

PE - Polyethylene

NBR - NBR rubber

PET - Thermoplastic Polyester

TPV - Thermoplastic

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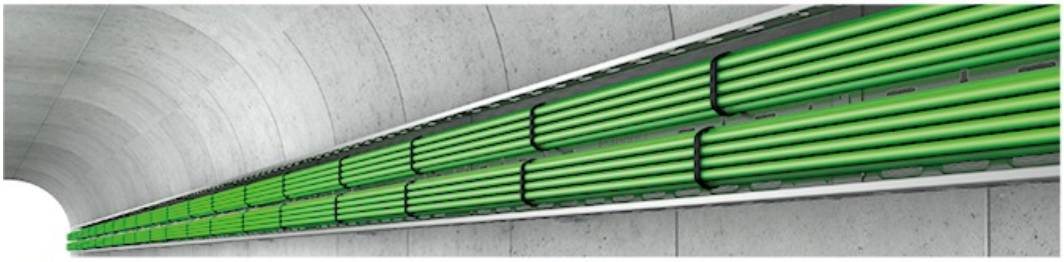
Load diagrams

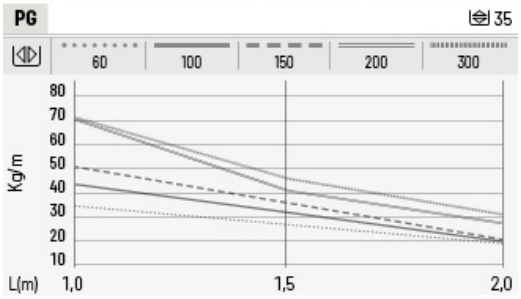
Ensayos de carga CTA instalaciones verticales en desarrollo horizontal

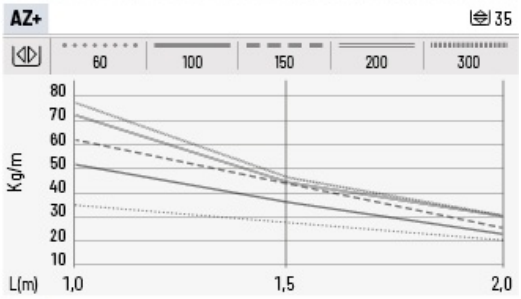
Valores obtenidos según la norma IEC 61537, edición 3, según ensayo horizontal multi vano recogido en el punto 10.5.1 de dicha norma, con un coeficiente de seguridad del 170% y sin alcanzar en ningún caso el colapso.

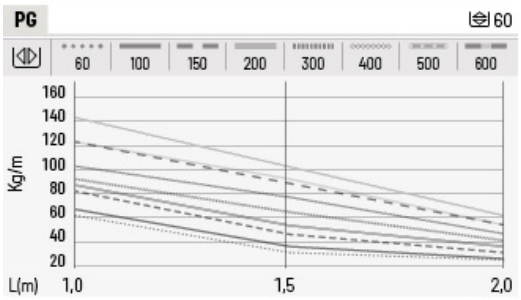
Load Tests for SWL installed in vertical horizontal way

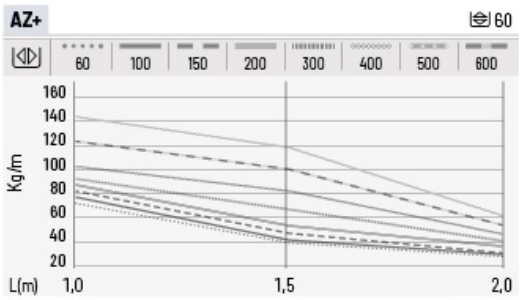
Values obtained in accordance with IEC 61537, edition 3, according to the horizontal tests of multiple spans listed in point 10.5.1 of this standard, with a safety factor of 170% and without collapse in any case.

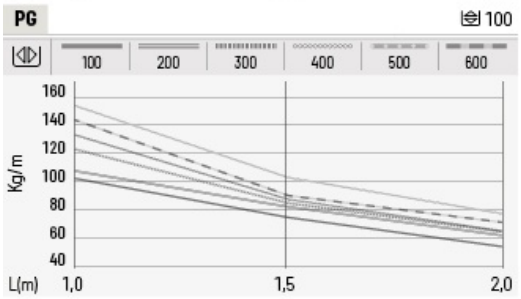


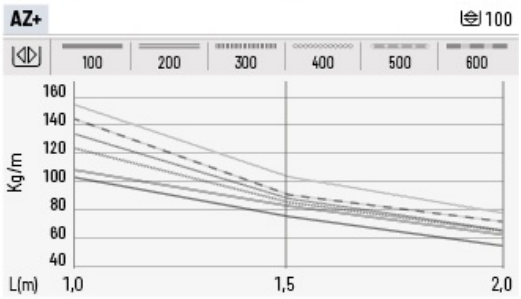












Las cargas expresadas en la tabla reflejan las **cargas máximas de trabajo admisible** (CTA) y que corresponden a la capacidad máxima de llenado. En una instalación en vertical - horizontal, para cantidad máxima de cables a incluir en una bandeja depende del agrupamiento y las opciones de embridado y fijación de los cables para que la instalación sea segura.

*The loads shown in the table reflect the **maximum allowable working loads** (MWL) and correspond to the maximum filling capacity. In a vertical-to-horizontal installation, the maximum number of cables to be included in a tray depends on how the cables are bunched and the tying and securing options used to ensure a safe installation.*

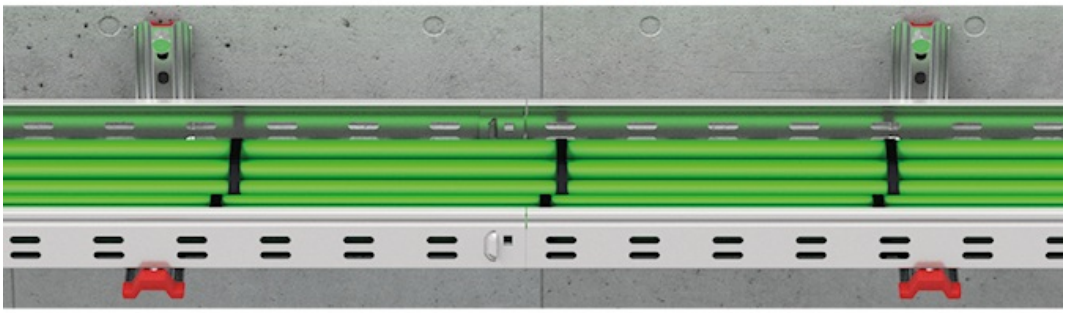
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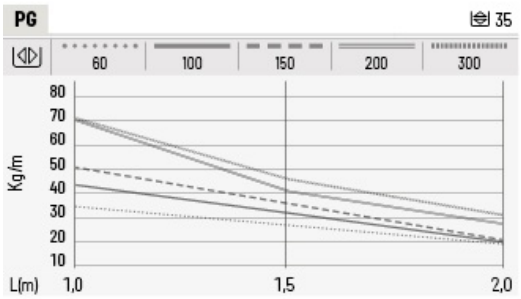
Ensayos de carga CTA instalaciones horizontales

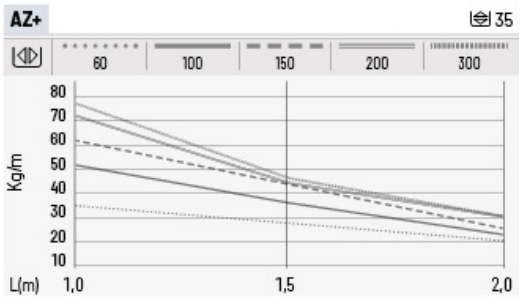
Valores obtenidos según la norma IEC 61537, edición 3, según ensayo horizontal multi vano recogido en el punto 10.3.4 de dicha norma, con un coeficiente de seguridad del 170% y sin alcanzar en ningún caso el colapso.

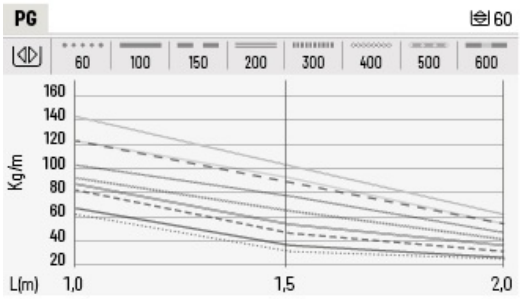
Load Tests for SWL installed in the horizontal way

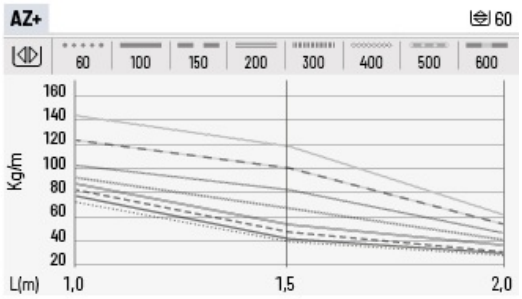
Values obtained in accordance with IEC 61537, edition 3, according to the horizontal tests of multiple spans listed in point 10.3.4 of this standard, with a safety factor of 170% and without collapse in any case.

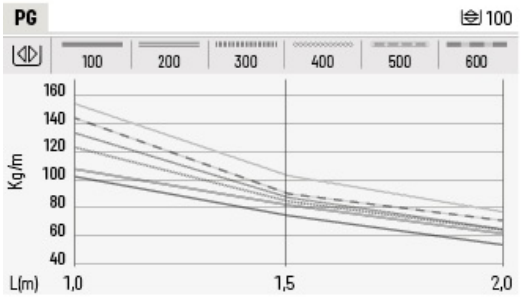


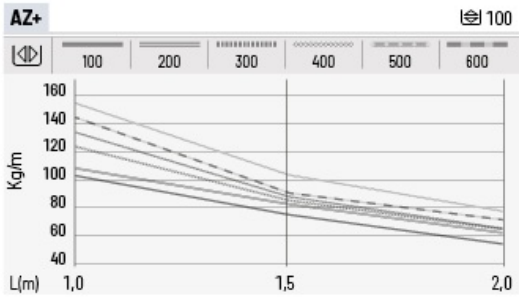












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Ensayos de carga CTA instalaciones verticales en desarrollo vertical

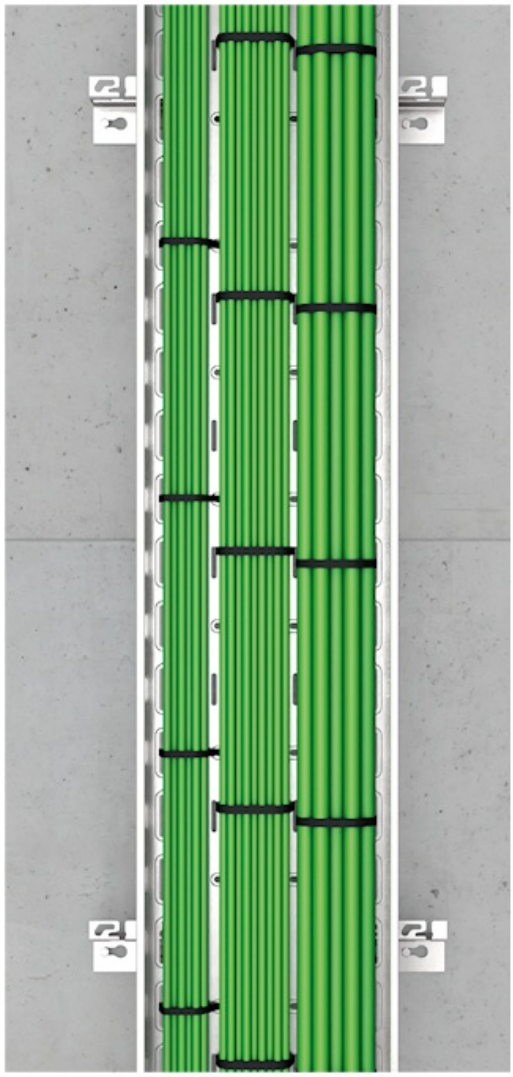
Valores obtenidos según la norma IEC 61537, edición 3, según ensayo vertical - vertical multi vano (V-V) recogido en el punto 10.6 de dicha norma, con un coeficiente de seguridad del 170% y sin alcanzar en ningún caso el colapso.

		PG	AZ+	CTA/SWL V-V kg/m (1 m)
35	60	82004471	82004509	35
	100	82004472	82004510	43
	150	82004473	82004511	50
	200	82004474	82004512	71
	300	82004475	82004513	70
60	60	82004476	82004514	60
	100	82004477	82004515	66
	150	82004478	82004516	82
	200	82004479	82004517	87
	300	82004480	82004518	92
	400	82004481	82004519	102
	500	82004482	82004520	122
	600	82004483	82004521	143
100	100	82004484	82004522	102
	200	82004485	82004523	107
	300	82004486	82004524	122
	400	82004487	82004525	133
	500	82004488	82004526	143
	600	82004489	82004527	153

Las cargas expresadas en la tabla reflejan las **cargas máximas de trabajo admisible** (CTA) y que corresponden a la capacidad máxima de llenado. En una instalación en vertical - vertical, para cantidad máxima de cables a incluir en una bandeja depende del agrupamiento y las opciones de embridado y fijación de los cables para que la instalación sea segura.

SWL load tests for vertical installations in vertical development.

Values obtained in accordance with IEC 61537, edition 3, according to the vertical - vertical multi-span (V-V) tests listed in point 10.6 of this standard, with a safety factor of 170% and without reaching collapse in any case.

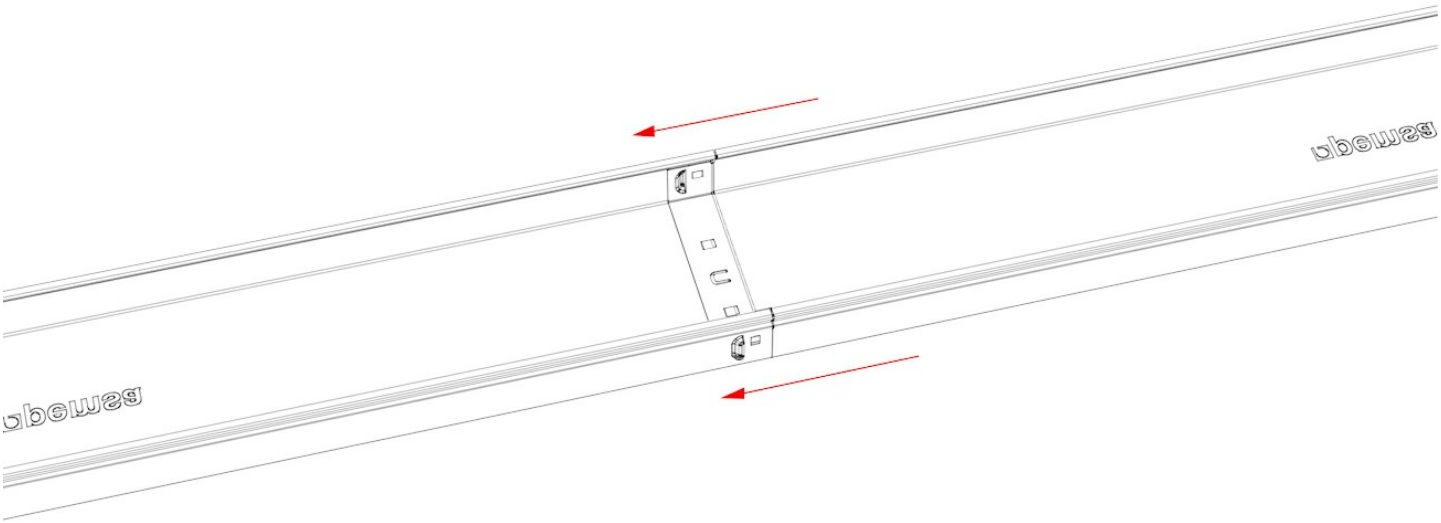


*The loads shown in the table represent the **maximum allowable working loads** (SWL) and correspond to the maximum filling capacity. In a vertical-to-vertical installation, the maximum number of cables to be accomodated in a cable how tray depends on the cables are bunched and the tying and securing options used to ensure a safe installation.*

Product applications

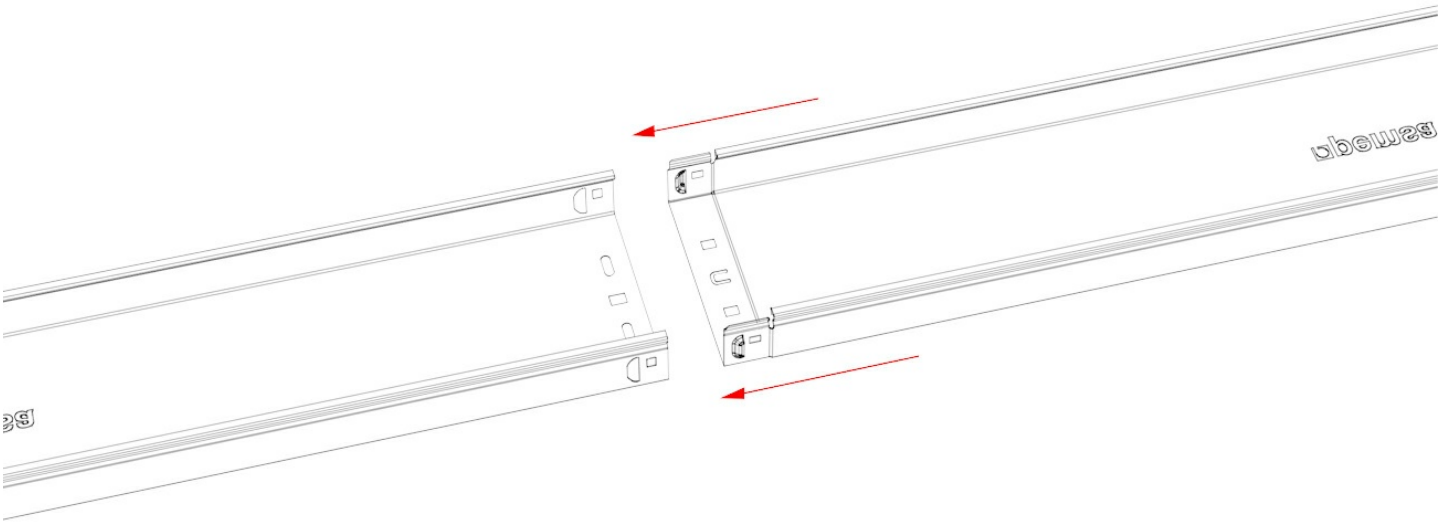
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Pemsaband Speed Solid



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