Alternators Alternadores Alternateurs **1510**
Heavy Duty Starters Motores de Arranque para Trabajo Pesado Démarreurs **1531**
Starters Motores de Arranque Démarreurs **1517**

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Starters & Alternators Motores de Arranque y Alternadores Démarreur et Alternateurs

Alternators Alternadores Alternateurs

Position of Mounting Holes

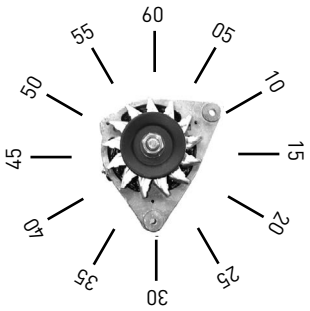
1. Hold up the alternator with the front facing yourself
2. Hold the main fixation holes at 30 minutes
3. Determine the position of the other fixation holes (in this case 30-10)

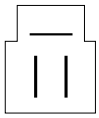
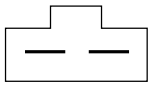
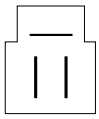
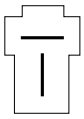
Posición de los agujeros del soporte

1. Detenga el alternador con el frente hacia usted
2. Posicione el agujero de fijación principal nacia abajo marcando 30 minutos
3. Determine la posición de los otros agujeros de fijación (en este caso seria 30 y 10)

Positionnement des trous de montage

1. Tenez l'alternateur de façon à ce que l'avant de l'appareil soit face à vous
2. Positionnez la fixation principale à 30 minutes
3. Déterminez la position des autres trous (dans le cas présent 30-10)



		Description	**Amps▼**	Volts	Type	Hole Position	Regulator	Plug Type	Belts
	SYAR0035	Reman	15	24	3-Bolt Fixing	30-55	External		1
	SYAR0033	Reman	18	12	2-Bolt Fixing	30-60	Internal		1
	SYAN0006 SYAR0006	New Reman	30	12	3-Bolt Fixing	30-60	External		1
	SYAN0057	New	30	24	3-Bolt Fixing	30-60	Internal		1
	SYAN0110 SYAR0110	New Reman	30	12	2-Bolt Fixing	30-60	Internal		1
	SYAN0179	New	30	12	2-Bolt Fixing	30-60	Internal		

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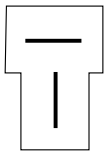
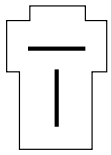
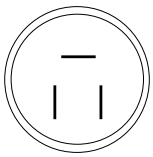
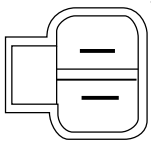
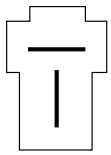
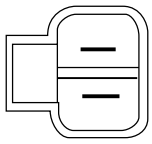
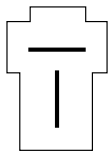
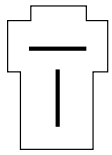
		Description	**Amps**▼	Volts	Type	Hole Position	Regulator	Plug Type	Belts
	SYAN0001	New	35	12	3-Bolt Fixing	30-60	External		1
	SYAN0002 SYAR0002	New Reman	35	12	2-Bolt Fixing	30-60	Internal		1
	SYAN0003 SYAR0003	New Reman	35	12	2-Bolt Fixing	30-60	Internal		1
	SYAR0014	Reman	35	12	3-Bolt Fixing	30-60	External		1
	SYAN0010 SYAN0010-MIT SYAR0010	New Mitsubishi Reman	35	12	3-Bolt Fixing	30-60	External		1
	SYAN0011	New	35	12	3-Bolt Fixing	30-60	Internal		1
	SYAN0013	New	35	12	3-Bolt Fixing	30-60	Internal		1
	SYAN0147	New	35	12	3-Bolt Fixing	30-60	External		1

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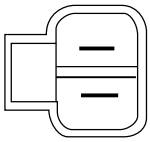
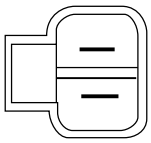
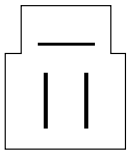
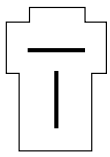
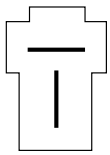
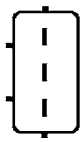
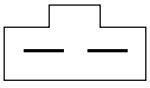
		Description	**Amps**▼	Volts	Type	Hole Position	Regulator	Plug Type	Belts
	SYAN0175	New	35	12	3-Bolt Fixing	30-60	External		1
	SYAN0184	New	35	24	3-Bolt Fixing	30-60	Internal		1
	SYAR0019	Reman	40	12	3-Bolt Fixing	30-05	External		1
	SYAN0041	New	40	12	3-Bolt Fixing	30-60	Internal		1
	SYAN0123 SYAR0123	New Reman	40	12	3-Bolt Fixing	30-60	Internal		1
	SYAN0180	New	40	12	2-Bolt Fixing	30-60	Internal		
	SYAN0232	New	40	12	2-Bolt Fixing	30-60	Internal		1
	SYAR0026	Reman	42	12	2-Bolt Fixing	30-60	External		1

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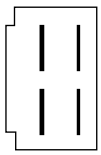
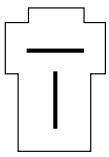
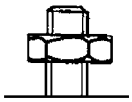
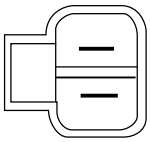
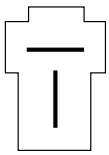
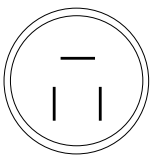
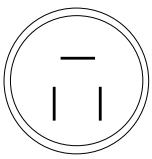
		Description	**Amps**▼	Volts	Type	Hole Position	Regulator	Plug Type	Belts
	SYAR0004	Reman	45	12	3-Bolt Fixing	30-10	External		1
	SYAN0201	New	45	12	3-Bolt Fixing	30-60	Internal		1
	SYAN0048	New	48	12	2-Bolt Fixing	30-60	Internal		2
	SYAN0017 SYAR0017	New Reman	50	12	3-Bolt Fixing	30-05	Internal		1
	SYAR0021	Reman	50	12	3-Bolt Fixing	30-60	Internal		2
	SYAN0044	New	50	12	3-Bolt Fixing	30-60	Internal		1
	SYAN0046	New	50	12	3-Bolt Fixing	30-60	Internal		1
	SYAN0047	New	50	12	3-Bolt Fixing	30-60	Internal		1

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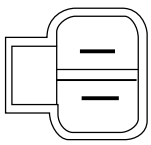
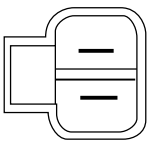
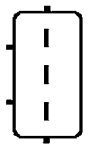
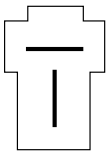
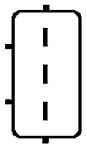
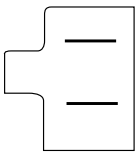
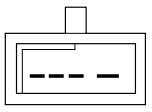
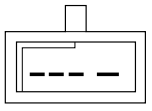
	Description	**Amps**▼	Volts	Type	Hole Position	Regulator	Plug Type	Belts
	SYAN0124	New	50	12	3-Bolt Fixing	30-60	Internal		1
	SYAN0141	New	50	12	3-Bolt Fixing	30-60	External		1
	SYAN0231	New	50	12	2-Bolt Fixing	30-60	Internal		1
	SYAN0016	New	55	12	3-Bolt Fixing	30-10	Internal		1
	SYAN0109	New	58	12	2-Bolt Fixing	30-60	Internal		1
	SYAR0028	Reman	61	12	2-Bolt Fixing	30-60	External		1
	SYAR0030	Reman	61	12	2-Bolt Fixing	30-60	Internal		1
	SYAR0040	Reman	61	12	3-Bolt Fixing	30-60	Internal		1

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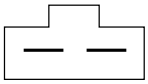
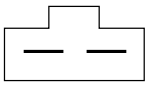
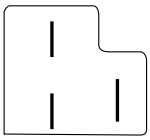
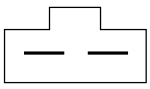
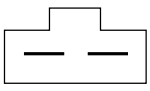
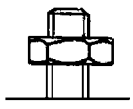
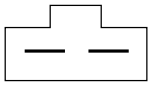
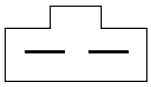
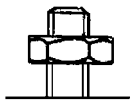
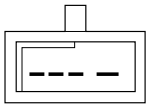
		Description	**Amps**▼	Volts	Type	Hole Position	Regulator	Plug Type	Belts
	SYAN0008 SYAR0008	New Reman	63	12	2-Bolt Fixing	30-60	Internal		1
	SYAN0009 SYAR0009	New Reman	63	12	2-Bolt Fixing	30-60	Internal		1
	SYAN0039 SYAR0039	New Reman	63	12	2-Bolt Fixing	30-60	Internal		1
	SYAN0045	New	63	12	2-Bolt Fixing	30-60	Internal		1
	SYAN0007	New	65	12	2-Bolt Fixing	30-60	Internal		
	SYAN0151	New	65	12	3-Bolt Fixing	30-60	Internal		1
	SYAN0132	Remy	70	12	2-Bolt Fixing	30-60	Internal		1
	SYAN0133	Remy	70	12	2-Bolt Fixing	30-60	Internal		2

Alternators Alternadores Alternateurs

		Description	Amps▼	Volts	Type	Hole Position	Regulator	Plug Type	Belts
	SYAN0134	Remy	70	12	2-Bolt Fixing	30-60	Internal		2
	SYAN0177	New	70	12	3-Bolt Fixing	30-60	Internal		1
	SYAR0029	Reman	72	12	2-Bolt Fixing	30-60	Internal		1
	SYAR0034	Reman	72	12	2-Bolt Fixing	30-60	Internal		1
	SYAN0212	New	85	12	3-Bolt Fixing	30-50	Internal		1
	SYAR0027	Reman	105	12	2-Bolt Fixing	30-50	Internal		1

Starters Motores de Arranque Démarreurs

		Type ▼	Description	Motor	Teeth	Voltage	Rotation	Oil Sealed	Mounting Holes
	SYSN0011 SYSN0011-MIT	Direct Drive	New Mitsubishi	0.8kW	8	12	CW	No	2
	SYSN0002 SYSN0002-MIT SYSR0002	Direct Drive	New Mitsubishi Reman	0.8kW	8	12	CW	No	2
	SYSN0006 SYSR0006	Direct Drive	New Reman	1.1kW	8	12	CW	No	2
	SYSN0102 SYSR0102	Direct Drive	New Reman	0.8kW	8	12	CW	No	2
	SYSN0004 SYSR0004	Direct Drive	New Reman	0.8kW	9	12	CW	No	2
	SYSN0007 SYSR0007	Direct Drive	New Reman	1.4kW	9	12	CW	Yes	3
	SYSN0019 SYSN0019-MIT SYSR0019	Direct Drive	New Mitsubishi Reman	0.8kW	9	12	CW	No	2

Starters Motores de Arranque Démarreurs

		Type ▼	Description	Motor	Teeth	Voltage	Rotation	Oil Sealed	Mounting Holes
	SYSN0036 SYSR0036	Direct Drive	New Reman	1.4kW	9	12	CW	No	3
	SYSN0039 SYSR0039	Direct Drive	New Reman	1.4kW	9	12	CW	Yes	3
	SYSN0144	Direct Drive	New	1.4kW	9	12	CW	Yes	3
	SYSN0472	Direct Drive	New	1.4kW	9	12	CW	Yes	2
	SYSR0015	Direct Drive	Reman Denso DENSO COMMERCIAL & HEAVY DUTY	1.2kW	9	12	CW	No	2
	SYSR0023	Direct Drive	Reman	1.4kW	9	12	CW	No	3
	SYSR0025	Direct Drive	Reman	1.4kW	9	12	CW	No	2

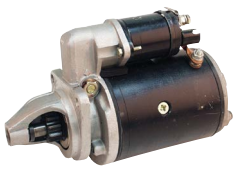
Starters Motores de Arranque Démarreurs

		Type ▼	Description	Motor	Teeth	Voltage	Rotation	Oil Sealed	Mounting Holes
	SYSR0038	Direct Drive	Reman	1.4kW	9	12	CW	Yes	2
	SYSR0048	Direct Drive	Reman	1.4kW	9	12	CW	No	3
	SYSR0075	Direct Drive	Reman	1.5kW	9	12	CW	No	2
	SYSR0078	Direct Drive	Reman	1.3kW	9	12	CW	No	2
	SYSN0086 SYSR0086	Direct Drive	New Reman	0.8kW	9	12	CW	No	2
	SYSN0087 SYSR0087	Direct Drive	New Reman	1.2kW	9	12	CW	No	2
	SYSR0104	Direct Drive	Reman	1.4kW	9	12	CW	No	2

Starters Motores de Arranque Démarreurs

		Type ▼	Description	Motor	Teeth	Voltage	Rotation	Oil Sealed	Mounting Holes
	SYSN0196-ORG	Direct Drive	Remy	1.4kW	9	12	CW	No	2
	SYSN0123	Direct Drive	New	0.8kW	9	12	CW	No	2
	SYSN0279	Direct Drive	New	2.3kW	9	12	CW	No	2
	SYSN0494	Direct Drive	New	2.3kW	9	12	CW	No	2
	SYSN0013 SYSR0013	Direct Drive	New Reman	1.4kW	10	12	CW	No	2
	SYSN0014	Direct Drive	New	1.4kW	10	12	CW	Yes	3
	SYSN0041 SYSR0041	Direct Drive	New Reman	2.5kW	10	12	CW	Yes	3

Starters Motores de Arranque Démarreurs

		Type ▼	Description	Motor	Teeth	Voltage	Rotation	Oil Sealed	Mounting Holes
	SYSN0042 SYSR0042	Direct Drive	New Reman	1.4kW	10	12	CW	No	3
	SYSN0047 SYSR0047	Direct Drive	New Reman	1.4kW	10	12	CW	Yes	3
	SYSN0082	Direct Drive	New	1.4kW	10	12	CW	No	3
	SYSN0095	Direct Drive	New	4.0kW	10	12	CW	No	3
	SYSN0110	Direct Drive	New	3.0kW	10	12	CW	No	3
	SYSN0227 SYSR0227	Direct Drive	New Reman	2.8kW	10	12	CW	No	3
	SYSR0085	Direct Drive	Reman	4.0kW	10	12	CW	No	3

Starters Motores de Arranque Démarreurs

		Type ▼	Description	Motor	Teeth	Voltage	Rotation	Oil Sealed	Mounting Holes
	SYSR0096	Direct Drive	Reman	1.4kW	10	12	CW	No	3
	SYSR0098	Direct Drive	Reman	1.4kW	10	12	CW	Yes	3
	SYSN0126	Direct Drive	New	1.4kW	10	12	CW	No	3
	SYSN0106	Direct Drive	Remy	1.6kW	11	12	CW	No	2
	SYSN0477	Direct Drive	New	1.4kW	11	12	CW	No	2
	SYSN0003-MIT SYSR0003	Direct Drive	Mitsubishi Reman	0.8kW	11	12	CW	No	2
	SYSN0001 SYSN0001-ORG	Offset Gear Reduction	New Denso	2.0kW	9	12	CW	No	2

Starters Motores de Arranque Démarreurs

		Type ▼	Description	Motor	Teeth	Voltage	Rotation	Oil Sealed	Mounting Holes
	SYSN0005 SYSR0005	Offset Gear Reduction	New Reman	2.0kW	9	12	CW	No	2
	SYSN0010 SYSR0010	Offset Gear Reduction	Reman Denso Reman	1.4kW	9	12	CW	No	2
	SYSN0021	Offset Gear Reduction	New	1.4kW	9	12	CW	No	3
	SYSN0060 SYSR0060	Offset Gear Reduction	New	1.4kW	9	12	CW	No	2
	SYSN0097 SYSN0097-ORG	Offset Gear Reduction	New Denso	1.4kW	9	12	CW	No	2
	SYSN0107	Offset Gear Reduction	New Denso	1.4kW	9	12	CW	No	2
	SYSN0140 SYSR0140	Offset Gear Reduction	Reman Denso Reman	1.4kW	9	12	CW	Yes	2

Starters Motores de Arranque Démarreurs

		Type ▼	Description	Motor	Teeth	Voltage	Rotation	Oil Sealed	Mounting Holes
	SYSN0213 SYSR0213	Offset Gear Reduction	New Reman	2.2kW	9	12	CW	No	2
	SYSR0018	Offset Gear Reduction	Reman	1.4kW	9	12	CW	No	3
	SYSR0020	Offset Gear Reduction	Reman Denso	1.4kW	9	12	CW	No	3
	SYSR0063	Offset Gear Reduction	Reman	1.4kW	9	12	CW	No	2
	SYSN0488	Offset Gear Reduction	New	1.4kW	9	12	CW	No	2
	SYSN0165	Offset Gear Reduction	New	2.3kW	9	12	CW	No	2
	SYSN0354	Offset Gear Reduction	New	2.0kW	9	12	CW	No	2

Starters Motores de Arranque Démarreurs

		Type ▼	Description	Motor	Teeth	Voltage	Rotation	Oil Sealed	Mounting Holes
	SYSN0150	Offset Gear Reduction	New	5.0kW	10	24	CW	No	2
	SYSN0017	Offset Gear Reduction	Reman Denso	1.4kW	9	12	CW	No	2
	SYSN0022 SYSN0022-ORG	Offset Gear Reduction	New Denso	1.4kW	10	12	CW	No	2
	SYSN0031 SYSR0031	Offset Gear Reduction	New Reman	2.8kW	10	12	CW	No	3
	SYSN0065-ORG SYSR0065	Offset Gear Reduction	Denso Reman	2.0kW	10	12	CW	Yes	2
	SYSN0069 SYSR0069	Offset Gear Reduction	New Reman	2.8kW	10	12	CW	Yes	3
	SYSN0091	Offset Gear Reduction	New	2.8kW	10	12	CW	Yes	3

Starters Motores de Arranque Démarreurs

		Type ▼	Description	Motor	Teeth	Voltage	Rotation	Oil Sealed	Mounting Holes
	SYSN0100	Offset Gear Reduction	New	5.0kW	10	24	CW	No	2
	SYSN0108 SYSR0108	Offset Gear Reduction	New Reman	2.8kW	10	12	CW	No	3
	SYSN0113 SYSN0113-MIT	Offset Gear Reduction	New Mitsubishi	2.2kW	10	12	CW	No	2
	SYSN0129 SYSN0129-ORG	Offset Gear Reduction	New Denso	2.8kW	10	12	CW	Yes	3
	SYSN0132 SYSN0132-ORG	Offset Gear Reduction	New Denso	4.5kW	10	24	CW	Yes	2
	SYSN0190 SYSN0190-ORG	Offset Gear Reduction	Reman Denso Denso	2.8kW	10	12	CW	Yes	2
	SYSR0070	Offset Gear Reduction	Reman Denso	1.4kW	10	12	CW	No	2

Starters Motores de Arranque Démarreurs

		Type ▼	Description	Motor	Teeth	Voltage	Rotation	Oil Sealed	Mounting Holes
	SYSN0071-ORG SYSR0071	Offset Gear Reduction	Denso Reman Denso	1.4kW	10	12	CW	No	2
	SYSN0072-ORG SYSR0072	Offset Gear Reduction	Denso Reman	1.4kW	10	12v	CW	No	2
	SYSN0008 SYSN0008-MIT	Offset Gear Reduction	New Mitsubishi	1.4kW	11	12	CW	No	2
	SYSN0027	Offset Gear Reduction	Reman Denso	4.5kW	11	24	CW	Yes	2
	SYSN0052 SYSR0052	Offset Gear Reduction	New Reman	4.5kW	11	24	CW	No	3
	SYSN0054 SYSR0054	Offset Gear Reduction	New Reman	4.5kW	11	24	CW	Yes	2
	SYSN0058 SYSN0058-ORG	Offset Gear Reduction	Reman Denso Denso	2.8kW	11	12	CW	Yes	2

Starters Motores de Arranque Démarreurs

		Type ▼	Description	Motor	Teeth	Voltage	Rotation	Oil Sealed	Mounting Holes
	SYSN0112-MIT	Offset Gear Reduction	Mitsubishi	3.2kW	11	24	CW	No	2
	SYSN0151	Offset Gear Reduction	New	3.5kW	11	24	CW	No	3
	SYSN0470-MIT	Offset Gear Reduction	Mitsubishi	1.2kW	11	12	CW	No	2
	SYSN0290	Offset Gear Reduction	New	2.7kW	11	12	CW	No	3
	SYSN0234	Offset Gear Reduction	New	2.5kW	13	12	CW	No	2
	SYSN0105 SYSN0105-MIT	Offset Gear Reduction	New Mitsubishi	2.7kW	13	12	CW	No	3
	SYSR0148	Offset Gear Reduction	Reman	2.2kW	13	12	CW	No	3

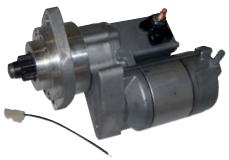
Starters Motores de Arranque Démarreurs

		Type ▼	Description	Motor	Teeth	Voltage	Rotation	Oil Sealed	Mounting Holes
	SYSN0088 SYSN0088-MIT	Permanent Magnet Gear Reduction	New Mitsubishi	1.0kW	8	12	CW	No	2
	SYSN0111	Permanent Magnet Gear Reduction	New	1.8kW	8	12	CW	No	2
	SYSN0192 SYSN0192-MIT	Permanent Magnet Gear Reduction	New Mitsubishi	1.0kW	8	12	CW	No	2
	SYSN0009-MIT	Permanent Magnet Gear Reduction	Mitsubishi	1.2kW	9	12	CW	No	2
	SYSN0143 SYSN0143-MIT	Permanent Magnet Gear Reduction	New Mitsubishi	1.2kW	9	12	CW	No	2
	SYSN0012-MIT	Permanent Magnet Gear Reduction	Mitsubishi	1.2kW	10	12	CW	No	2
	SYSN0079	Permanent Magnet Gear Reduction	Remy	1.7kW	11	12	CW	No	2

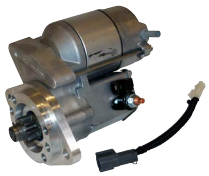
Starters Motores de Arranque Démarreurs

		Type ▼	Description	Motor	Teeth	Voltage	Rotation	Oil Sealed	Mounting Holes
	SYSN0081 SYSN0081-ORG	Permanent Magnet Gear Reduction	New Remy	1.7kW	11	12	CW	No	2
	SYSN0028 SYSR0028	Planetary Gear Reduction	New Reman	3.0kW	10	12	CW	No	3
	SYSN0193	Planetary Gear Reduction	New	3.0kW	10	12	CW	No	3

• OSGR = Offset Gear Reduction

	Motor ▼	Teeth	Voltage	Type	Adjustable	Rotation	Oil Sealed	Mounting Holes
SYSN0003-HD	1.2kW	11	12	OSGR	No	CW	No	2
SYSN0004-HD	1.2kW	9	12	OSGR	No	CW	No	2
SYSN0006-HD	1.2kW	11	12	OSGR	No	CW	Yes	2
SYSN0008-HD	1.2kW	11	12	OSGR	No	CW	No	2
SYSN0025-HD	1.2kW	9	12	OSGR	Yes	CW	No	2
								
SYSN0081-HD	1.2kW	11	12	OSGR	No	CW	No	2
SYSN0088-HD	1.2kW	11	12	OSGR	No	CW	No	2

Heavy Duty Starters Motores de Arranque para Trabajo Pesado Démarreurs

	Motor ▼	Teeth	Voltage	Type	Adjustable	Rotation	Oil Sealed	Mounting Holes
SYSN0106-HD	1.2kW	11	12	OSGR	No	CW	No	2
SYSN0143-HD	1.2kW	9	12	OSGR	Yes	CW	No	2
								
SYSN0007-HD	1.4kW	10	12	OSGR	Yes	CW	Yes	3
SYSN0010-HD	1.4kW	9	12	OSGR	No	CW	No	2
SYSN0013-HD	1.4kW	10	12	OSGR	No	CW	No	2
SYSN0018-HD	1.4kW	9	12	OSGR	No	CW	Yes	3
SYSN0020-HD	1.4kW	9	12	OSGR	No	CW	No	3
SYSN0021-HD	1.4kW	9	12	OSGR	No	CW	No	3

Heavy Duty Starters Motores de Arranque para Trabajo Pesado Démarreurs

	Motor ▼	Teeth	Voltage	Type	Adjustable	Rotation	Oil Sealed	Mounting Holes
SYSN0023-HD	1.4kW	9	12	OSGR	Yes	CW	Yes	3
SYSN0060-HD	1.4kW	9	12	OSGR	Yes	CW	No	2
SYSN0063-HD	1.4kW	9	12	OSGR	No	CW	No	2
SYSN0079-HD	1.4kW	11	12	OSGR	No	CW	No	2
SYSN0082-HD	1.4kW	10	12	OSGR	No	CW	Yes	3
SYSN0089-HD	1.4kW	10	12	OSGR	Yes	CW	Yes	2
SYSN0192-HD	1.4kW	11	12	OSGR	No	CW	No	2
SYSN0001-HD	2.0kW	9	12	OSGR	Yes	CW	No	2

Heavy Duty Starters Motores de Arranque para Trabajo Pesado Démarreurs

	Motor ▼	Teeth	Voltage	Type	Adjustable	Rotation	Oil Sealed	Mounting Holes
SYSN0005-HD	2.0kW	9	12	OSGR	Yes	CW	No	2
SYSN0016-HD	2.0kW	9	12	OSGR	Yes	CW	No	2
SYSN0036-HD	2.0kW	9	12	OSGR	No	CW	Yes	2
SYSN0038-HD	2.0kW	9	12	OSGR	Yes	CW	No	2
SYSN0039-HD	2.0kW	9	12	OSGR	No	CW	Yes	2
SYSN0065-HD	2.0kW	10	12	OSGR	No	CW	Yes	2
SYSN0028-HD	2.5kW	10	12	OSGR	Yes	CW	No	3
SYSN0031-HD	2.5kW	10	12	OSGR	Yes	CW	No	3

Heavy Duty Starters Motores de Arranque para Trabajo Pesado Démarreurs

	Motor ▼	Teeth	Voltage	Type	Adjustable	Rotation	Oil Sealed	Mounting Holes
SYSN0046-HD	2.5kW	10	12	OSGR	Yes	CW	No	3
SYSN0058-HD	2.5kW	11	12	OSGR	No	CW	No	2
SYSN0069-HD	2.5kW	10	12	OSGR	Yes	CW	No	3
SYSN0092-HD	2.5kW	11	12	OSGR	No	CW	No	2
SYSN0110-HD	2.5kW	10	12	OSGR	Yes	CW	No	3
SYSN0027-HD	4.5kW	11	24	OSGR	No	CW	No	2
SYSN0052-HD	4.5kW	11	24	OSGR	Yes	CW	No	3
SYSN0054-HD	4.5kW	11	24	OSGR	No	CW	No	2