

# PRODUCT CATALOG 2023



## Holding Magnets and their Role in Wind Power

Holding Magnets are being used to lower costs, improve reliability, and increase maintenance intervals in many wind farms around the world.





# About us



## **What We Do**

WZ Magnetics provides various magnetic products/systems/solutions to replace traditional solutions in fastening, fixing, holding, etc. Our goal is to make your work easier and more efficient.

## **Where To Use**

It is far less recognized what magnetic power is capable of, so there are so many working conditions that magnets could be considered, some of which might even be beyond our imagination. So far, we have collaborated closely with wind energy, gas & oil, marine, and construction companies. We see that more sectors are starting to use magnetic solutions.

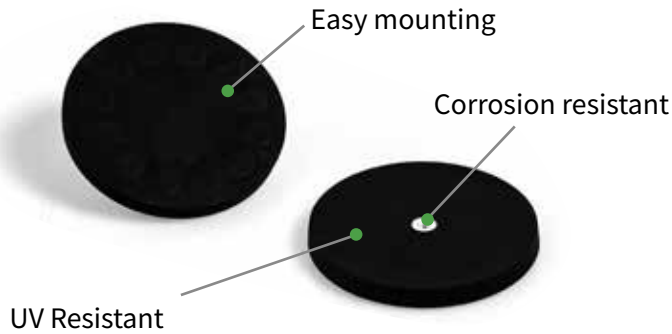
## **Who We Are**

We have been focusing on magnets ever since 2009. Now we have ISO 9001-certified manufacturing system and quality control system audited by SGS. WZ Magnetics Co., Ltd as a magnetic solutions provider, and a leading Magnetic Products Manufacturer, total employees of up to 80 people including manufacturing, R&D, quality control, engineering, etc.. We have complete production facilities from metalworking, injection molding, and vulcanization to the assembly that covers each crucial production step. What's more, we are equipped with specialized test devices for our quality control.

WZ Magnetics takes pride in providing high-quality products that are designed to meet customers' needs and requirements. Our company is committed to delivering the right product at the right time, with unbeatable quality, innovation, and service. We offer a wide range of magnetic assembly products in all types of industries. Our team of experts works closely with clients to ensure that we provide the perfect solution for their specific requirements. With our advanced engineering capabilities, we are able to design customized magnets based on each customer's unique needs.



# Holding magnet for onshore/offshore

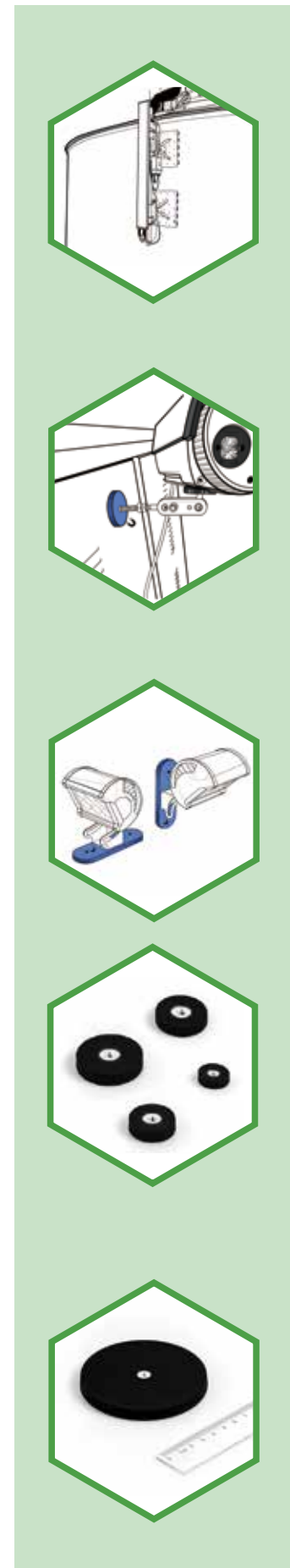


Application area: Nacelle, inside/outside of tower

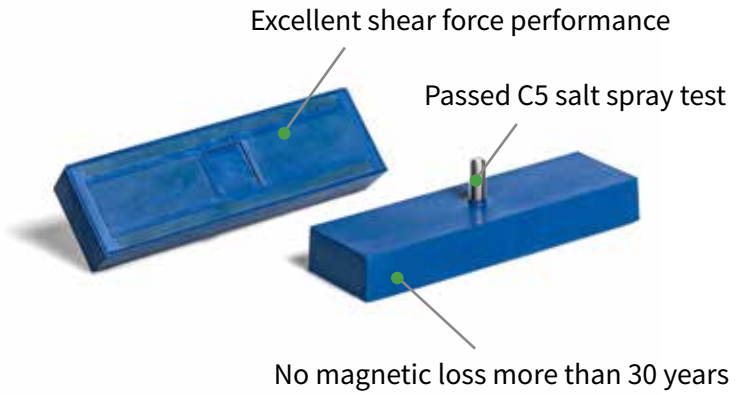
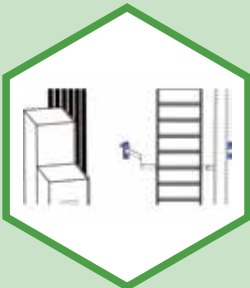
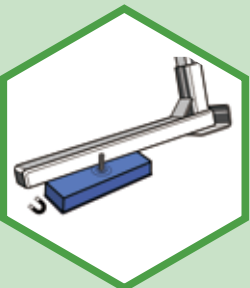
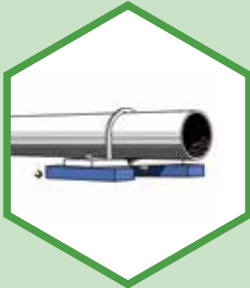
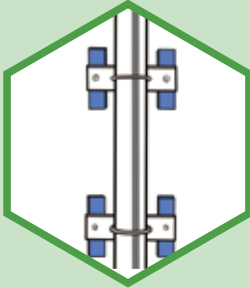
Function: Cable mounting, Attach items such as lights, beacons, ladders, devices permanently or temporarily on the wall

Item No.	D	H	M	Force			Weight
	mm	mm		Kg	N	Lbs	g
RCND22F	22	6	M4	5.9	58	13	10
RCND31F	31	6	M5	9	89	20	21
RCND43F	43	6	M6	10	100	22	36
RCND66F	66	8.5	M6	25	250	56	107
RCND88F	88	8.5	M6	56	550	123	210
SSRCND22F	22	6	M4	5.9	58	13	10
SSRCND31F	31	6	M5	9	89	20	21
SSRCND43F	43	6	M6	10	100	22	36
SSRCND66F	66	8	M6	25	250	56	108
SSRCND88F	88	8.5	M6	56	550	123	212

\* Tensile force and shear force are tested at room temperature by attaching the product to a steel plate (Q235 China). The tensile test uses a 20mm thick steel plate, and the shear force test uses a 10mm thick steel plate. The shear force is approx. 1/5-2/5 of the tensile force and depends on the surface characteristics.



## Holding magnet for onshore/offshore



Application area: Nacelle, inside/outside of tower

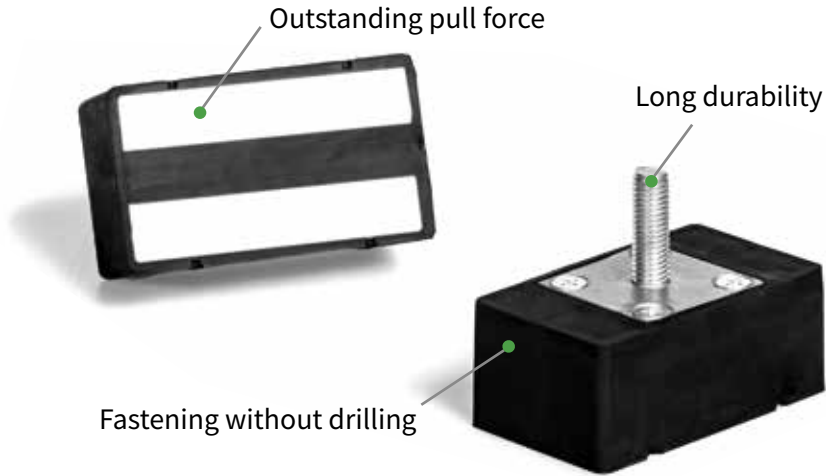
Function: Cable mounting,  
Attach items such as lights,  
beacons, ladders, devices permanently  
or temporarily on the wall

Item No.	L	L1	W	W1	H	M	Force			Weight
	mm	mm	mm	mm	mm		Kg	N	Lbs	g
RCHNL4M-VT	100.5	98.8	61	59.3	28	M10	100	1000	224	900
RCHNL5M-VT	125	123.3	61	59.3	28	M8/M10	200	2000	449	1000
RCHNL8M-VT	203	201	61	59	28	M10	400	4000	899	1693

\* Tensile force and shear force are tested at room temperature by attaching the product to a steel plate (Q235 China). The tensile test uses a 20mm thick steel plate, and the shear force test uses a 10mm thick steel plate. The shear force is approx. 1/5-2/5 of the tensile force and depends on the surface characteristics.



# Holding magnet for onshore/offshore

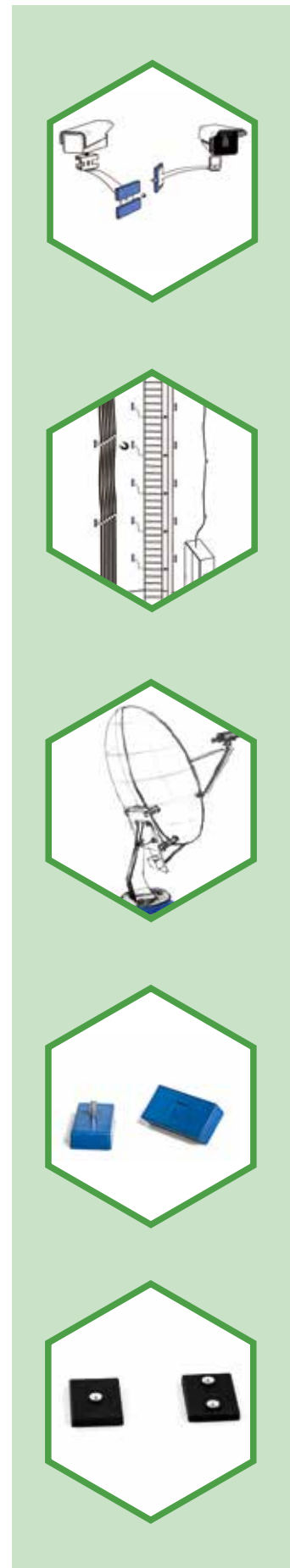


Application area: Nacelle, inside/outside of tower

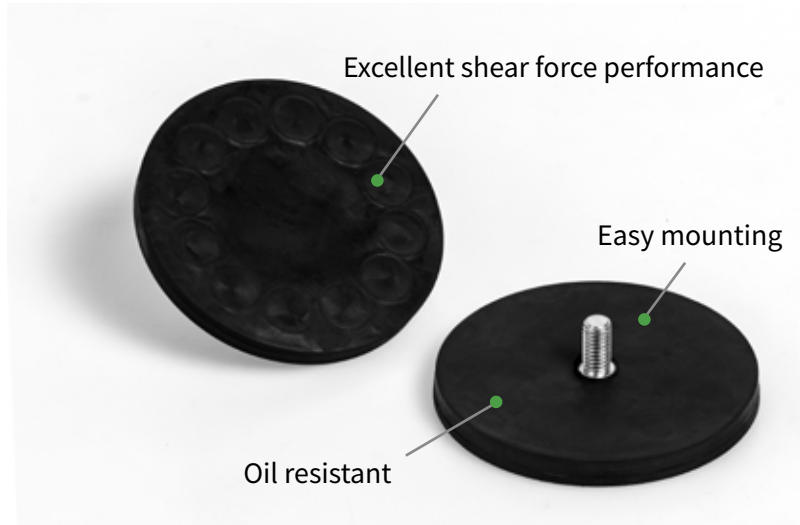
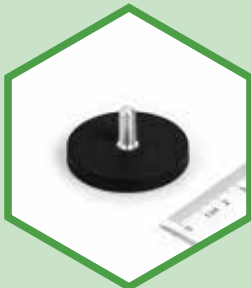
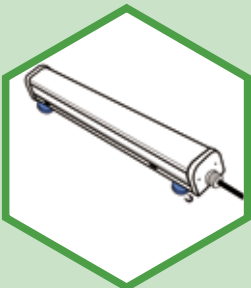
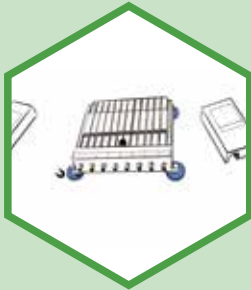
Function: Cable mounting, Attach items such as lights, beacons, ladders, devices permanently or temporarily on the wall

Item No.	L	W	h	H	M	Force			Weight
	mm	mm	mm	mm		Kg	N	Lbs	g
RCNL85M-1200	85	50	35	65	10	122	1200	270	975
RCNL85M-3500	85	50	35	65	10	356	3500	786	975

\* Tensile force and shear force are tested at room temperature by attaching the product to a steel plate (Q235 China). The tensile test uses a 20mm thick steel plate, and the shear force test uses a 10mm thick steel plate. The shear force is approx. 1/5-2/5 of the tensile force and depends on the surface characteristics.



## Holding magnet for onshore/offshore



Application area: Nacelle, inside/outside of tower

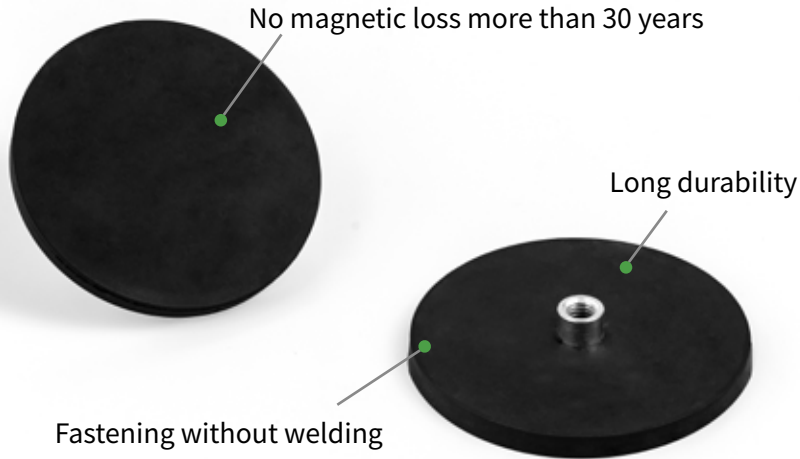
Function: Cable mounting, Attach items such as lights, beacons, ladders, devices permanently or temporarily on the wall

Item No.	D	H	L	M	Force			Weight
	mm	mm	mm		Kg	N	Lbs	
RCND12M	12	7	15.5	M4	1.3	13	2.9	4.5
RCND22M	22	6	12.5	M4	5.9	58	13	10
RCND31M	31	6	18	M5	9	89	20	21
RCND43M	43	6	21	M6	10	100	22	36
RCND50M	50	10.5	30.5	M6	46	450	101	42.5
RCND64M	64	11.5	31.5	M8	91	900	202	208.2
RCND66M	66	8.5	23.5	M6	25	250	56	107
RCND88M	88	8.5	23.5	M8	56	550	123	210
SSRCND22M	22	6	12.5	M4	5.9	58	13	10
SSRCND31M	31	6	18	M5	9	89	20	21
SSRCND43M	43	6	21	M6	10	100	22	36
SSRCND66M	66	8	32	M6	25	250	56	108
SSRCND88M	88	8.5	32	M6	56	550	123	211

\* Tensile force and shear force are tested at room temperature by attaching the product to a steel plate (Q235 China). The tensile test uses a 20mm thick steel plate, and the shear force test uses a 10mm thick steel plate. The shear force is approx. 1/5-2/5 of the tensile force and depends on the surface characteristics.



# Holding magnet for onshore/offshore



Application area: Nacelle, inside/outside of tower

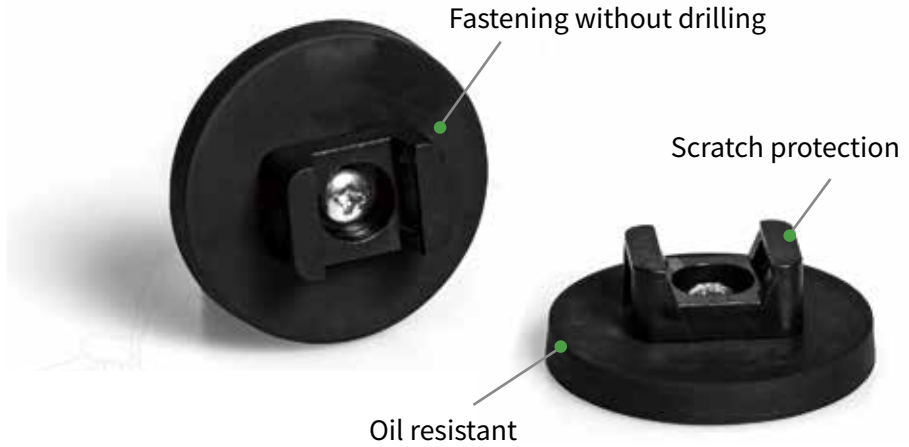
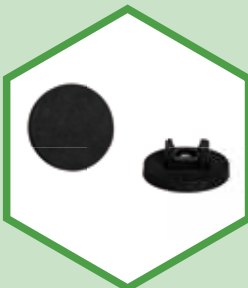
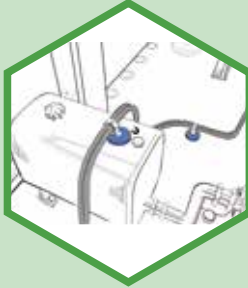
Function: Cable mounting, Attach items such as lights, beacons, ladders, devices permanently or temporarily on the wall

Item No.	D	d	H	L		Force		
	mm	mm	mm	mm		Kg	N	Lbs
RCND22F-11.5	22	8	6	11.5	M4	5.9	58	13
RCND31F-11.5	31	8	6	11.5	M4	9	89	20
RCND43F-10.5	43	8	6	10.5	M4	10	100	22
RCND66F-15	66	10	8.5	15	M5	25	250	56
RCND88F-17	88	12	8.5	17	M8	56	550	123

\* Tensile force and shear force are tested at room temperature by attaching the product to a steel plate (Q235 China). The tensile test uses a 20mm thick steel plate, and the shear force test uses a 10mm thick steel plate. The shear force is approx. 1/5-2/5 of the tensile force and depends on the surface characteristics.



## Holding magnet for onshore/offshore



Application area: Nacelle, inside/outside of tower

Function: Cable mounting, Attach items such as lights, beacons, ladders, devices permanently or temporarily on the wall

Item No.	D	H	Force			Weight
	mm	mm	Kg	N	Lbs	g
RCND22H	22	16	5.9	58	13	11.5
RCND31H	31	16	9	89	20	22.5
RCND43H	43	16	10	100	22	37.5

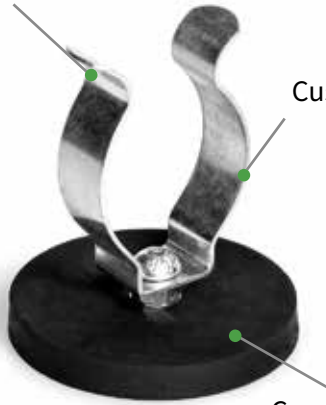
\* Tensile force and shear force are tested at room temperature by attaching the product to a steel plate (Q235 China). The tensile test uses a 20mm thick steel plate, and the shear force test uses a 10mm thick steel plate. The shear force is approx. 1/5-2/5 of the tensile force and depends on the surface characteristics.





# Rubber coated magnets with different hooks and clamps

Easy mounting



Customized fixtures

Corrosion and UV resistant

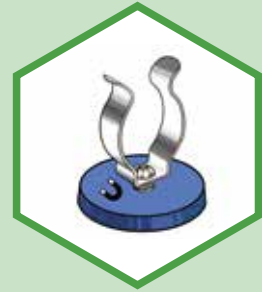
Application area: Nacelle, inside/outside of tower

Function: Cable mounting, Attach items such as lights, beacons, ladders, devices permanently or temporarily on the wall

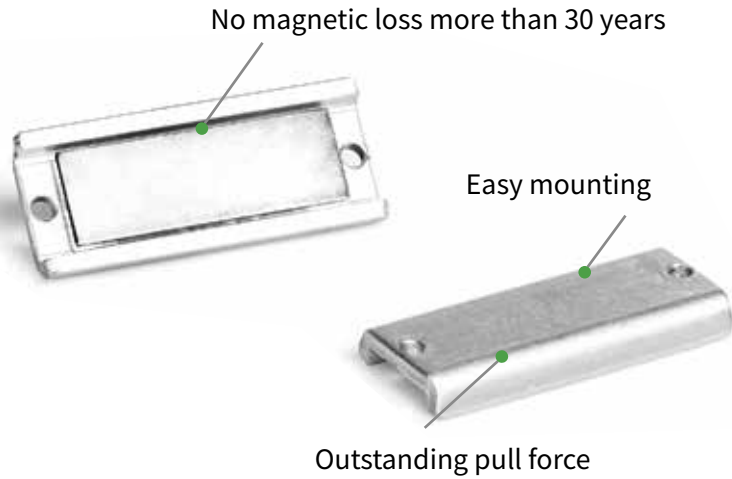
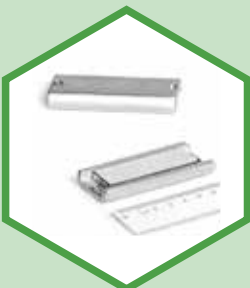
Product Description: rubber coated pot magnets with metal clamp

The rubber coated magnet base could be referred to the specifications on this catalog and the metal clamp can be customized according to the consumers' requirements.

\* Tensile force and shear force are tested at room temperature by attaching the product to a steel plate (Q235 China). The tensile test uses a 20mm thick steel plate, and the shear force test uses a 10mm thick steel plate. The shear force is approx. 1/5-2/5 of the tensile force and depends on the surface characteristics.



## Holding magnet for onshore/offshore



Application area: Nacelle, inside/outside of tower

Function: Cable mounting, Attach items such as lights, beacons, ladders, devices permanently or temporarily on the wall

Item No.	L	W	H	d	Force			Weight
	mm	mm	mm	mm	Kg	N	Lbs	g
CHNL3B	76.2	31.75	9.7	5.16	45	441	99	150

\* Tensile force and shear force are tested at room temperature by attaching the product to a steel plate (Q235 China). The tensile test uses a 20mm thick steel plate, and the shear force test uses a 10mm thick steel plate. The shear force is approx. 1/5-2/5 of the tensile force and depends on the surface characteristics.

# NOTES AND SAFETY TIPS



Holding force listed in the table is for reference only. It is tested at room temperature on Q235 steel sheet with 20mm thickness in vertical direction. The force is captured by test instrument at the moment that the magnet break contact of the steel plate. When used in different situation, for example, if the thickness of the steel plate is different, or if there is non-magnetic-conductive painting on the holding surface, the force could be different.



## **Pacemaker**

Pacemakers could be damaged or switched into test mode and cause illness under the effect of strong magnetic force. Warn others who wear these devices to keep a safety distance from these magnets



## **Bank cards**

Many electrical items such as bank cards, speakers, hearing aids can be damaged or demagnetized by the strong field of magnets. Safety distance should be maintained



## **Contusions**

Incorrect and unsafe operations could cause pinching of fingers because of strong attractive force. Do wear heavy protective gloves



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ISO9001:2015

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