

 Hebei Minmetals Co.,Ltd.

GROUND SCREWS

Quickly install foundations without digging

More faster, Cost-effective and Safe



Company Instruction

Hebei Minmetals Co., Ltd, a joint-stock enterprise specialized was derived from the structural reform of an old state-owned foreign trading companies. It was established in September 2004, with registered capital of 45 million RMB. The export turnover is over 300 million USD in year 2021. Hebei Minmetals Co., Ltd, has become the top exporters in Hebei province.

Hebei Minmetals' main products include wires, wire fences, fence posts, nails, garden products, casting irons, building materials and furniture products in recent years, Hebei Minmetals has been focusing on researching and developing the new products. By means of innovative operations, the products family has been constantly enlarged. The sales network has also been greatly strengthened. The products are now successfully marketed in worldwide markets.

Hebei Minmetals has transformed into an enterprise group which has its own industrial entity originated from a traditional foreign trade company. At the present time, Hebei Minmetals has 6 company owned factories and 20+ cooperating factories in China and abroad, 1 proprietary design company in United States. We have 6 International sales offices and 3 product logistic centers located strategically around the world. Our customers is all over the world, and now Hebei Minmetals has become a huge and powerful group. Our group covers the industrial chain of R&D, Manufacturing, Trading & Logistics.

Hebei Minmetals has an excellent team of dream catchers, full of ambition, vitality and creativity. We believe, with the mutual efforts of all the members of the team, Hebei Minmetals will surely become the flagship enterprise in Hebei foreign trade industry.

Your faithfully,
Hebei Minmetals Co., Ltd.





J Series

Structural features:

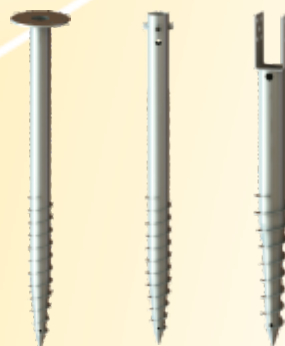
J series ground screws are equipped with three or four threaded screws, U shape bracket or square or round flange depending on application.

Application range:

They are ideal for simple and quick installation of horizontal and vertical wooden beams, easy and quick to install fence posts, masts or road signs. J series ground screws are also widely used in the installation of solar panels, walkways, bridges and housing construction etc.

Surface treatment:

The high-quality hot-dip galvanized steels are stable and reliable. It is in accordance with German DIN EN ISO 1461 standard.



Item number	Length (mm)	Outer diameter (mm)	Thread height (mm)	Flange diameter (mm)	Flange hole diameter (mm)
HM-JFA68×800	800	68	320	220	14
HM-JFA68×1000	1000	68	440	220	14
HM-JFA68×1300	1300	68	590	220	14
HM-JFA68×1600	1600	68	740	220	14
HM-JFA76×800	800	76	400	220	14
HM-JFA76×1000	1000	76	440	220	14
HM-JFA76×1300	1300	76	590	220	14
HM-JFA76×1600/3	1600	76	740	220	14
HM-JFA76×1600	1600	76	740	220	14
HM-JFA76×2100	2100	76	990	220	14
HM-JFA76×2500	2500	76	1190	220	14
HM-JFA76×3000	3000	76	1440	220	14
HM-JFA89×800	800	89	400	220	14
HM-JFA89×1000	1000	89	440	220	14
HM-JFA89×1300	1300	89	590	220	14
HM-JFA89×1600	1600	89	740	220	14
HM-JFA89×2100/3.5	2100	89	990	220	14
HM-JFA89×2100	2100	89	990	220	14
HM-JFA89×2500/3.5	2500	89	1190	220	14
HM-JFA89×2500	2500	89	1190	220	14
HM-JFA89×3000	3000	89	1440	220	14

**HM-JN**

Hot dip galvanized
Small blade with
threaded screws



Item number	Length (mm)	Outer diameter (mm)	Thread height (mm)	Numbers of bolt nut	Bolt nut
HM-JN68×550	550	68	360	3	M10
HM-JN68×650	650	68	410	3	M10
HM-JN76×800	800	76	460	3	M16
HM-JN76×1000	1000	76	500	3	M16
HM-JN76×1300	1300	76	650	3	M16
HM-JN76×1600	1600	76	800	3	M16
HM-JN76×2100	2100	76	1050	3	M16
HM-JN76×2500	2500	76	1250	3	M16
HM-JN76×3000	3000	76	1500	3	M16
HM-JN89×800	800	89	460	3	M16
HM-JN89×1000	1000	89	500	3	M16
HM-JN89×1300	1300	89	650	3	M16
HM-JN89×1600	1600	89	800	3	M16
HM-JN89×2100	2100	89	1050	3	M16
HM-JN89×2500	2500	89	1250	3	M16
HM-JN89×3000	3000	89	1500	3	M16

**HM-JYU**

Hot dip galvanized
Small blade with
U shape



Item number	Length (mm)	Outer diameter (mm)	Thread height (mm)	Head width (mm)	Head Height (mm)
HM-JYU68×550-71	550	68	360	71	130
HM-JYU68×730-71	730	68	420	71	130
HM-JYU68×730-91	730	68	420	91	130
HM-JYU68×865-91	865	68	420	91	130
HM-JYU68×730-111	730	68	420	111	130
HM-JYU68×865-111	865	68	420	111	130

VD Series

Structural features:

VD series ground screws are equipped with several large blade depending on the features of soil. Threaded screws or flange can be added depending on application.

Application range:

They are often used in structures with soft soil and high pulling force. They are easy and quick to install fence posts, masts or road signs, and are widely used in the installation of solar panels, walkways, bridges and housing construction etc.

Surface treatment:

The high-quality hot-dip galvanized steels are stable and reliable. It is in accordance with German DIN EN ISO 1461 standard.



HM-VD2FA
Hot dip galvanized
Single large
2D blade with flange



Item number	Length (mm)	Outer diameter (mm)	Thread height (mm)	Thread diameter (mm)	Flange diameter (mm)	Distance of hole in flange (mm)	Flange hole diameter (mm)
HM-VD2FA76×1000	1000	76	330	198	220	167	14
HM-VD2FA76×1300	1300	76	330	198	220	167	14
HM-VD2FA76×1600	1600	76	330	198	220	167	14



HM-VD4FA
Hot dip galvanized
Single large
4D blade with flange



Item number	Length (mm)	Outer diameter (mm)	Thread height (mm)	Thread diameter (mm)	Flange diameter (mm)	Distance of hole in flange (mm)	Flange hole diameter (mm)
HM-VD4FA76×1600	1600	76	530	198	220	167	14
HM-VD4FA76×2100	2100	76	530	198	220	167	14
HM-VD4FA76×2500	2500	76	530	198	220	167	14
HM-VD4FA89×1600	1600	89	630	220	220	167	14
HM-VD4FA89×2100	2100	89	630	220	220	167	14
HM-VD4FA89×2500	2500	89	630	220	220	167	14
HM-VD4FA89×3000	3000	89	630	220	220	167	14



HM-V2D2FA
Hot dip galvanized
Double large
2D blade with flange



Item number	Length (mm)	Outer diameter (mm)	Thread height (mm)	Thread diameter (mm)	Flange diameter (mm)	Distance of hole in flange (mm)	Flange hole diameter (mm)
HM-V2D2FA76×1600	1600	76	1130	198	220	167	14
HM-V2D2FA76×2100	2100	76	1380	198	220	167	14
HM-V2D2FA76×2500	2500	76	1580	198	220	167	14
HM-V2D2FA76×3000	3000	76	1830	198	220	167	14
HM-V2D2FA89×2100	2100	89	1440	220	220	167	14
HM-V2D2FA89×2500	2500	89	1640	220	220	167	14
HM-V2D2FA89×3000	3000	89	1890	220	220	167	14

Y Series

Structural features:

Y series ground screws are equipped with multi-stage small blade or together with large blade. Threaded screws or flange can be added depending on application.

Application range:

They are often used in structures with clay soil, plain fill, silt, etc which is soft in lower part. They are easy and quick to install fence posts, masts or road signs, and are widely used in the installation of solar panels, walkways, bridges and housing construction etc.

Surface treatment:

The high-quality hot-dip galvanized steels are stable and reliable. It is in accordance with German DIN EN ISO 1461 standard.

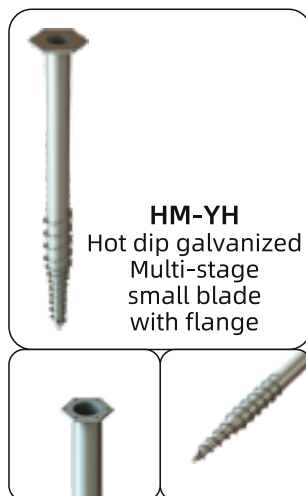


HM-YN

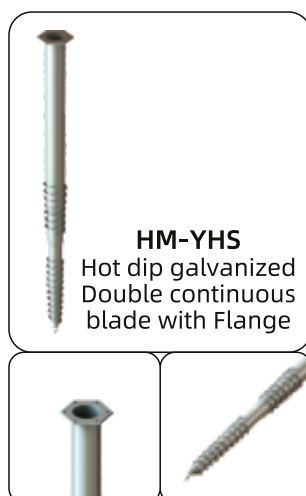
Hot dip galvanized
Multi-stage small blade
with threaded screws



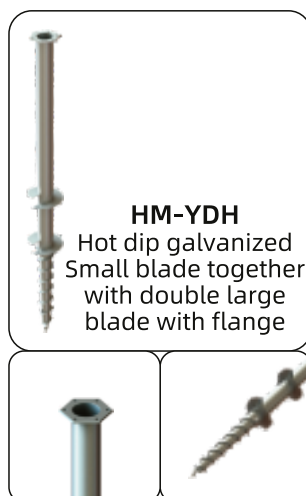
Item number	Length(mm)	Outer diameter (mm)	Thread height (mm)	Bolt nut
HM-YN76-08	800	76	400	3×M16
HM-YN76-10	1000	76	500	3×M16
HM-YN76-13	1300	76	650	3×M16
HM-YN76-16	1600	76	800	3×M16
HM-YN76-21	2100	76	1050	3×M16
HM-YN76-25	2500	76	1250	3×M16
HM-YN76-30	3000	76	1500	3×M16
HM-YN89-08	800	89	460	3×M16
HM-YN89-10	1000	89	500	3×M16
HM-YN89-13	1300	89	650	3×M16
HM-YN89-16	1600	89	800	3×M16
HM-YN89-21	2100	89	1050	3×M16
HM-YN89-25	2500	89	1250	3×M16
HM-YN89-30	3000	89	1500	3×M16
HM-YN114-10	1000	114	500	4×M16
HM-YN114-13	1300	114	650	4×M16
HM-YN114-16	1600	114	800	4×M16
HM-YN114-21	2100	114	1050	4×M16
HM-YN114-25	2500	114	1250	4×M16
HM-YN114-30	3000	114	1500	4×M16



Item number	Length (mm)	Outer diameter (mm)	Thread height (mm)	Distance of opposite side in hexagonal flange (mm)	Hole distance of opposite side in hexagonal flange (mm)	Flange hole diameter (mm)
HM-YH76-11	1100	76	550	158	150	14
HM-YH76-13	1300	76	650	158	150	14
HM-YH76-16	1600	76	800	158	150	14
HM-YH76-21	2100	76	1050	158	150	14
HM-YH76-25	2500	76	1250	158	150	14
HM-YH76-30	3000	76	1500	158	150	14
HM-YH89-13	1300	89	650	180	167	14
HM-YH89-16	1600	89	800	180	167	14
HM-YH89-21	2100	89	1050	180	167	14
HM-YH89-25	2500	89	1250	180	167	14
HM-YH89-30	3000	89	1500	180	167	14
HM-YH114-16	1600	114	800	180	167	14
HM-YH114-21	2100	114	1050	180	167	14
HM-YH114-25	2500	114	1250	180	167	14
HM-YH114-30	3000	114	1500	180	167	14



Item number	Length (mm)	Outer diameter (mm)	Thread height (mm)	Distance of opposite side in hexagonal flange (mm)	Hole distance of opposite side in hexagonal flange (mm)	Flange hole diameter (mm)
HM-YH114S-21	2100	114	1050	180	167	14
HM-YH114S-25	2500	114	1250	180	167	14
HM-YH114S-30	3000	114	1500	180	167	14
HM-YH127S-21	2100	127	1050	200	180	14
HM-YH127S-25	2500	127	1250	200	180	14
HM-YH127S-30	3000	127	1500	200	180	14
HM-YH140S-21	2100	140	1050	200	180	14
HM-YH140S-25	2500	140	1250	200	180	14
HM-YH140S-30	3000	140	1500	200	180	14



Item number	Length (mm)	Outer diameter (mm)	Thread height (mm)	Diameter of flange D1 (mm)	Diameter of flange D2 (mm)	Distance of opposite side in hexagonal flange (mm)	Hole distance of opposite side in hexagonal flange (mm)	Flange hole diameter (mm)
HM-YDH76-16	1600	76	460	178	203	158	150	14
HM-YDH76-21	2100	76	460	178	203	158	150	14
HM-YDH89-21	2100	89	460	203	254	180	167	14
HM-YDH89-25	2500	89	460	203	254	180	167	14
HM-YDH114-21	2100	114	500	254	305	180	167	14
HM-YDH114-25	2500	114	500	254	305	180	167	14
HM-YDH114-30	3000	114	500	254	305	180	167	14

EA Series

Ground anchors are used to stretch and secure chains, ropes, wires, ribbing ties etc.



HM-EA
Hot dip galvanized
Ground anchor

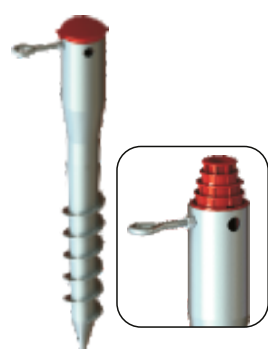
Item number	Rod(Dia.× Length mm)	Blade (Dia.× Thickness mm)
103150	12.5×381	76.2×2.75
103303	12.5×762	76.2×2.75
103402	15.8×1016	101.6×2.75
103488	15.8×1219	101.6×2.75
103495	15.8×1219	152.4×2.75
538414	12.5×762	101.6×3.75
538415	12.5×381	101.6×3.75
858708	13.2×381	76.2×2
858715	13.2×762	76.2×2
858722	13.2×1016	104.6×2

CJ Series

This new screw-in earth sleeve with five different plastic adapter sleeves which suitable for a tube from 25-65 mm, this system makes it has a wide purpose of uses. Instead of hammer into ground, it goes into ground easily with the spanner-bar.

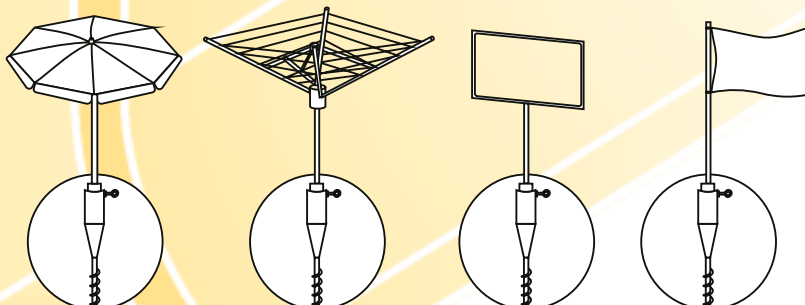
Size:

Dia. Available 25mm, 38mm, 43mm, 50mm, 55mm, 65mm



HM-CJ
Hot dip galvanized
Outdoor ground screw

Item number	Length (mm)	Outer diameter (mm)	Thread height (mm)	Distance of thread (mm)	Thickness of blade (mm)	Bolt nut	Red cap
HM-CJ	560	68	300	30	1.2	3×M8	5 sets



Portable Driver

The portable driver is applicable to the installation of the foundation screw with the specifications of $\Phi 114 \times 2500\text{mm}$ or below. It is mainly used for installation of small and medium-sized buildings, such as fence, handrail, small billboard, road sign, wooden chalet and light-steel integrated house. The installation is easy and the positioning accuracy is high. Designed for single work, it can reduce the labor costs and improve the work efficiency effectively.



Model	Voltage (V)	Max. Current (A)	Max. Power (W)	Frequency (HZ)	Max. Torque (Nm)	No-load speed (r/min)	Weight of main machine (kg)
HM-D20	~ 230	9	2000	50-60	2000	7	12
HM-E20	~ 230	9	2000	50-60	2000	12	13
HM-E30	~ 230	9	2000	50-60	3000	12	18



Model	Voltage (V)	Max. Current (A)	Max. Power (W)	Frequency (HZ)	Max. Torque (Nm)	No-load speed (r/min)	Weight of main machine (kg)
HM-E50	~ 230	18	4000	50-60	4800	11	25
HM-E100	~ 230	18	4000	50-60	10000	4	35

Hydraulic Pile Driver

Using the crawler system, the hydraulic pile driver crawler can move in place rapidly, safely and stably with high construction efficiency.

With good quality, it can move flexibly and position conveniently. In addition, all the hydraulic parts are controlled centrally, which makes it operate conveniently and reduces the labor intensity of workers.

Main Features and Scope of Application

- Using the form of crawler-type moving, this machine can move flexibly and position conveniently. In addition, all the hydraulic parts are controlled centrally, which makes it operate conveniently and reduces the labor intensity of workers.
- Using the crawler track system of entire rigid suspension vehicle structure, this machine can move in place rapidly, safely and stably with high construction efficiency and good quality.
- This machine adopts the hydraulic transmission system which has the reliability and easy maintenance.
- This machine is equipped with many working devices and has a wide scope of application.
- The pile frame lifts stably, which has small impacts on the whole structure and extends its working hours.



HM-500

Technical data		Dimension	
Pile Φ (mm)	76 ~ 114	Weight(kg)	2100
Pile Depth (mm)	2500	Size(L×W×H)	3800×1350×1860
Propulsion power		Operation Capacity	
Propulsion Rod Length(mm)	3700	Running Speed (km/h)	2.3
Propulsion Distance(mm)	3000	Maximum Tractive Force	22
Propulsion Speed(m/min)	0.7	Climbing Ability	30
Data base		Engine	
Wheel Distance(mm)	1355	Model No.	4TNV94L-S
Track Distance	1100	Displacement (L)	3.054
Track Width(mm)	250	Power/Speed (KW/RPM)	39.8/2200
Distance Above The Ground	160	Fuel Capacity(L)	73
Screw Head Turning Speed(rpm)			
Screw Head Turning Speed(rpm)	40		
Rotary Torque(Nm)	5000		

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2023.03 SECOND EDITION



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