



A.V. FORGING

ISO 9001:2015 Certified Company



www.avforging.com



ABOUT PRODUCTION

Steel Forging for Flail Mover Blades

We do manufacture these flail movers with steel forging production process because our closed die forging technique produces flail mover blades in higher strength and better working performance.

We prefer Steel Forging because: -

- High production efficiency. In the chamber cavity of mould, the deformation of the steel billet is proceeding, so we can quickly obtain the required flail mover blades.
- It can produce any complex shaped flail mover blades, and the distribution of metal flow line is more reasonable. Besides, steel forging process can improve the serving life of flail mover blades.
- The size of steel forged flail mover blades is accurate, we can also achieve better surface quality, and smaller machining allowance.
- This process also reduces material waste and reduce machining work. Under the condition of enough batch, it will reduce the cost of flail mover blades eventually.
- The production operation is easy, so the work force is low.

Material of Forged Flail Mover Blades

Considering the wear resistance of flail mover blades, we use material grade of flail mover blades is 28MnCrB-5.



Chemical Composition Table

Steel Grade	C	Si	Mn	P	S	Cr	Mo	Ni
28MnCrB-5	0.25-0.30	0.15-0.35	1.10-1.40	0-0.035	0-0.035	0.35-0.50	0	0

Heat Treatment of Flail Mover Blades

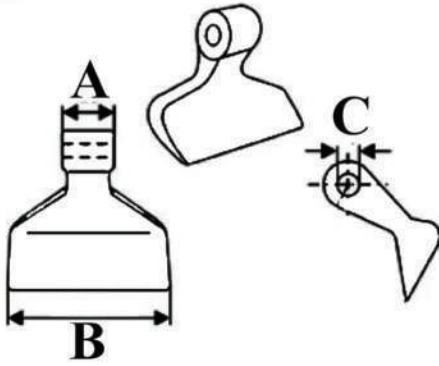
Quenching & Tempering is the most common heat treatment method we use to improve the hardness of flail mover blades. Normally forging blanks could only reach hardness around 20HRC. But after heat treatment, an ideal hardness 48-52HRC can be achieved (or this may depend upon customer requirements). Higher hardness will help to improve the wear resistance of flail mover blades, thus to longer the serving life.

Color options

- Powder Coated (Black, Green, Red etc.)
- Painted
- Zinc Plated (Yellow, Silver, Black)

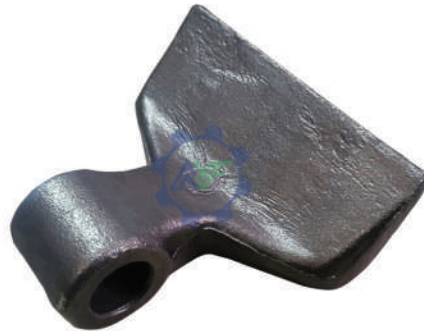
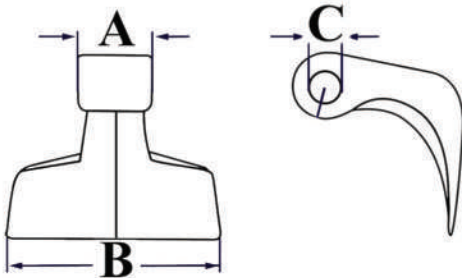


Part No. AV-RM-4



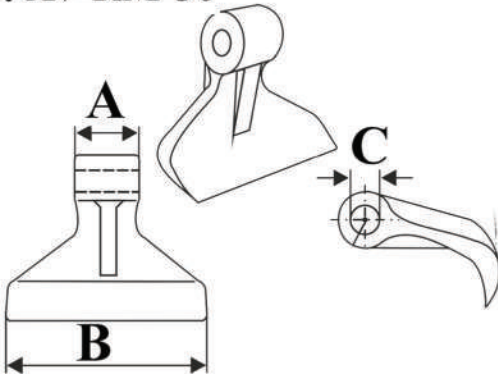
WEIGHT	CLAMPING WIDTH	BLADEWIDTH	DRILL HOLE	MATERIAL	PROCESS	QUALITY PROCESS	FINISH
	A	B	C				
1.500kg.	40mm	120mm	20mm	30MnCH5	Drop forging	Hardening & Tempering	Painted/Coated

Part No. AV-RM-6



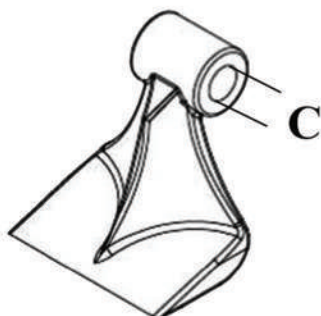
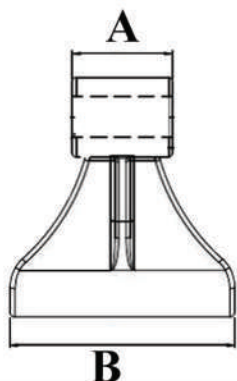
WEIGHT	CLAMPING WIDTH	BLADE WIDTH	DRILL HOLE	MATERIAL	PROCESS	QUALITY PROCESS	FINISH
	A	B	C				
1.750kg.	40mm	140mm	20mm	30MnCH5	Drop forging	Hardening & Tempering	Painted/Coated

Part No. AV-RM-30



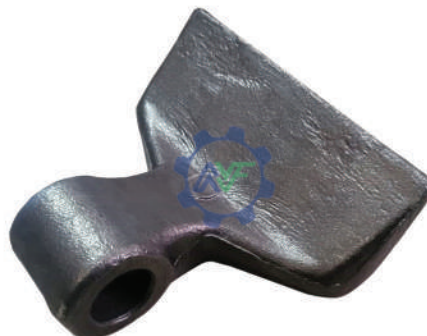
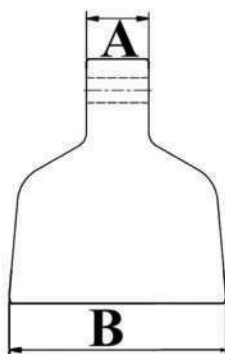
WEIGHT	CLAMPING WIDTH	BLADE WIDTH	DRILL HOLE	MATERIAL	PROCESS	QUALITY PROCESS	FINISH
	A	B	C				
1.400kg.	40mm	140mm	16mm	30MnCH5	Drop forging	Hardening & Tempering	Painted/Coated

Part No. AV-RM-27



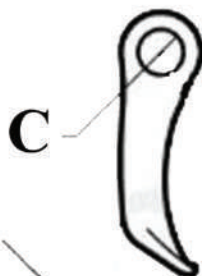
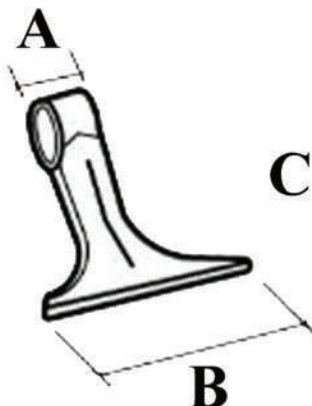
WEIGHT	CLAMPING WIDTH	BLADEWIDTH	DRILL HOLE	MATERIAL	PROCESS	QUALITY PROCESS	FINISH
	A	B	C				
1.600kg.	40mm	120mm	16mm	30MnCH5	Drop forging	Hardening & Tempering	Painted/Coated

Part No. AV-RM-8



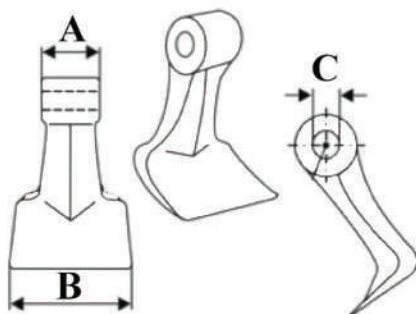
WEIGHT	CLAMPING WIDTH	BLADE WIDTH	DRILL HOLE	MATERIAL	PROCESS	QUALITY PROCESS	FINISH
	A	B	C				
1.100kg.	40mm	120mm	20mm	30MnCH5	Drop forging	Hardening & Tempering	Painted/Coated

Part No. AV-RM-32



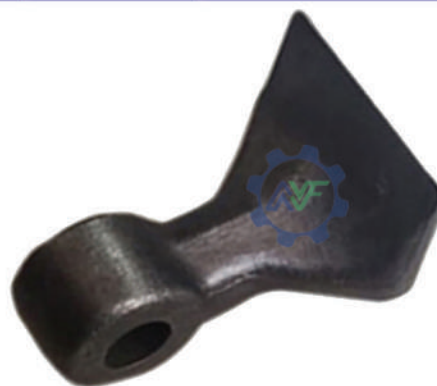
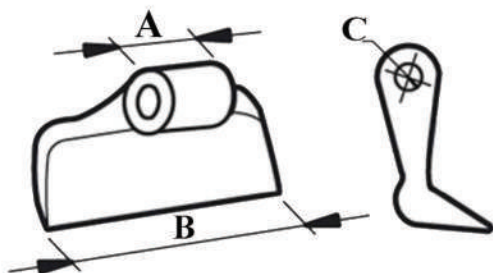
WEIGHT	CLAMPING WIDTH	BLADE WIDTH	DRILL HOLE	MATERIAL	PROCESS	QUALITY PROCESS	FINISH
	A	B	C				
0.750kg.	32mm	75mm	16mm	30MnCH5	Drop forging	Hardening & Tempering	Painted/Coated

Part No. AV-EM-37



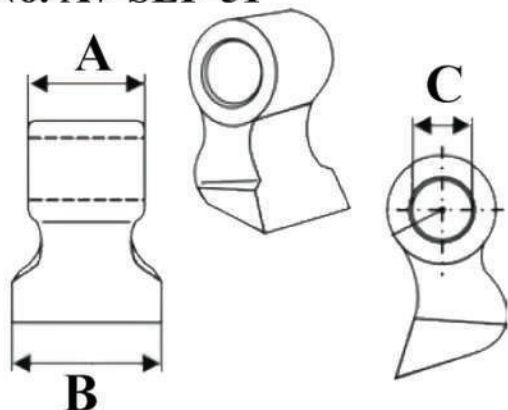
WEIGHT	CLAMPING WIDTH	BLADEWIDTH	DRILL HOLE	MATERIAL	PROCESS	QUALITY PROCESS	FINISH
	A	B	C				
0.750kg.	40mm	85mm	16mm	30MnCH5	Drop forging	Hardening & Tempering	Painted/Coated

Part No. AV-EM-CHIOTIS



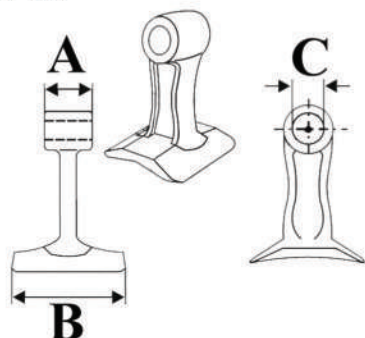
WEIGHT	CLAMPING WIDTH	BLADE WIDTH	DRILL HOLE	MATERIAL	PROCESS	QUALITY PROCESS	FINISH
	A	B	C				
1.150kg.	35mm	80mm	20mm	30MnCH5	Drop forging	Hardening & Tempering	Painted/Coated

Part No. AV-SEP-51



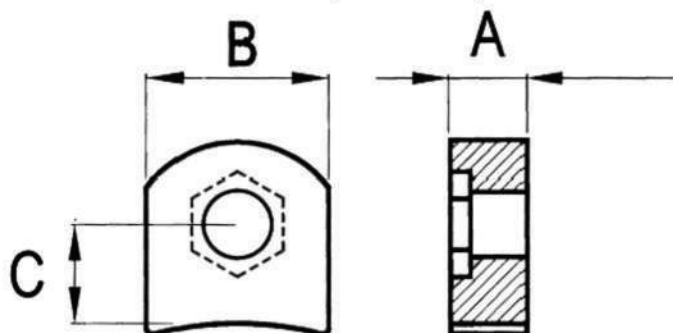
WEIGHT	CLAMPING WIDTH	BLADE WIDTH	DRILL HOLE	MATERIAL	PROCESS	QUALITY PROCESS	FINISH
	A	B	C				
2.200kg.	80mm	70mm	35mm	30MnCH5	Drop forging	Hardening & Tempering	Painted/Coated

Part No. AV-RM-20



WEIGHT	CLAMPING WIDTH	BLADEWIDTH	DRILL HOLE	MATERIAL	PROCESS	QUALITY PROCESS	FINISH
	A	B	C				
1.00kg.	56mm	55mm	20mm	30MnCH5	Drop forging	Hardening & Tempering	Painted/Coated

Part No. AV-H-301 (Holders)



WEIGHT	PLATE THICKNESS	PLATE WIDTH	HOLE	MATERIAL	PROCESS	QUALITY PROCESS	FINISH
	A	B	C				
0.260kg.	16MM	50MM	16.5MM	30MnCH5	Drop forging	Hardening & Tempering	Painted/Coated

Part No. AV-F102 (Flail Bolt & Nuts)





A.V. FORGING

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LOCATION

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