

Marine Engine Bed Plater

Products | Details

- [Bed Plate Description:](#)
- [Bed Plate Construction Material](#)
- [Marine Engine Bed Plate Pictures :](#)
- [The important functions of Bedplate:](#)
- [Bed plates Spare Parts:](#)
- [Marine Engine Bed plates Brands](#)
- [We offer the Brands and Spear parts:](#)

Bed Plate Description:

Marine Engine Bed Plate Spares provides the rigid seating of the [crankshaft](#), which is absolutely essential for satisfactory engine operation. The bed plate is constructed of a deep longitudinal girder (running along the length of engine) and transverse girder or cross girder (running across the engine). The transverse and longitudinal girders are joined together by welding.

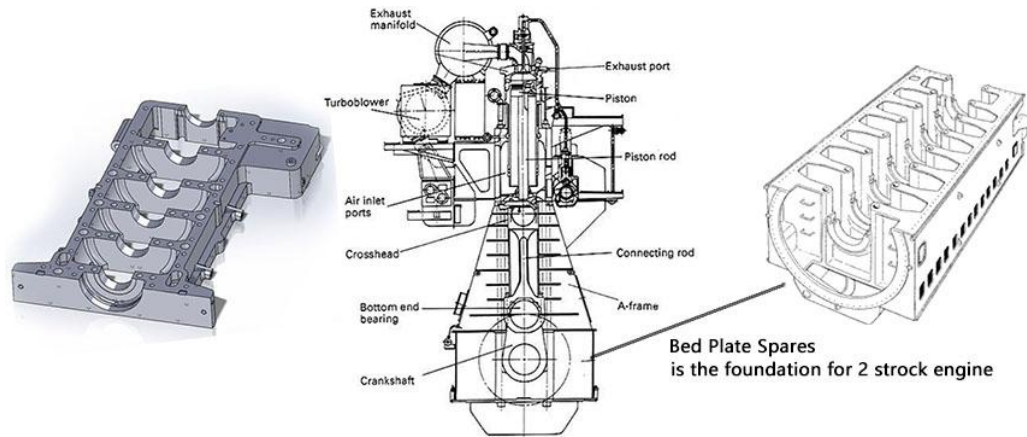
Bed Plate Construction Material

- Transverse Girder – Cast Iron
- Longitudinal Girder – Mid Steel

The Ship's Engine Bedplate is manufactured from cast iron and Mid Steel as a single casting on the small-bore engines. Larger engines come with a designed bedplate. It ensures the steel castings and plates weld Together From Steel Parts.

The Bedplate is the foundation for 2 strock engine. It must be rigid enough to support the weight of the rest of the engine and maintain the [crankshaft](#), which sits in the bearing housings in the transverse girders, in alignment. At the same time, it must be flexible enough to hog and sag with the foundation plate. The foundation plate is a part of the ship's structure.

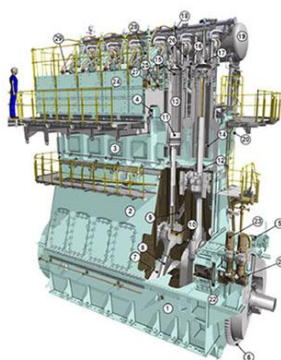
Marine Engine Bed Plate Pictures :



The important functions of Bedplate:

- To support the static load of stationary engine frame and blocks
- To support the dynamic load of the running gear
- To support the **crankshaft** and hold it in perfect alignment
- To distribute the static and dynamic load generated by running engine onto the ship structure
- To collect the crankcase lube oil and transfer it to the sump tank from where the lube oil pump can take suction
- To fasten the engine to the tank top transmitting propeller thrust to the hull structure
- To contribute to the hull strength of the ship at engine room bottom structure

Bed plates Spare Parts:



- | | |
|--------------------------|---------------------------|
| 1. Bedplate | 16. Cylinder cover |
| 2. Column | 17. Exhaust valve |
| 3. Cylinder block | 18. Exhaust valve drive |
| 4. Tie rods | 19. Exhaust manifold |
| 5. Turning gear | 20. Scavenge air receiver |
| 6. Flywheel | 21. Supply unit |
| 7. Crankshaft | 22. Gearwheel supply unit |
| 8. Connecting rod | 23. Fuel pumps |
| 9. Knee lever | 24. Rail unit |
| 10. Crosshead | 25. Fuel common rail |
| 11. Piston | 26. Fuel Injector |
| 12. Gland box piston rod | 27. Servo Oil Rail |
| 13. Cylinder liner | 28. High pressure pipes |
| 14. Scavenge air ports | 29. Starting air valve |
| 15. Anti-polishing ring | |

Marine Engine Bed plates Brands



We offer the Brands and Spear parts:

SULZER:

RD68	RND76	RND76M	RND90	RND90M
ZL40/48	RTA62	RND68M	RTA84	16ZAV40S
RLA90	RTA72	RTA84M	RTA84C	RND68
RTA52	RTA58	RTA76	RLB90	RTA48 (T)
RTA38	RTA76	RTA96	RLA (B) 56	RLA (B) 66
RLA (B) 76	RF44	RF56	TAD36	TAD48

MAN:

40/54A	52/90N	57/80C	KZ57/80F
KSZ70/125	KSZ78/155	90/160A	52/55
L58/64	90/190CL	60/105E	70/120E
70/125CL	KSZ78/155A	KSZ70/125BL	40/45, 52/55A

B&W:

L35MC	L60MC	L80MC	L55GF	L55GFCA
L80GFCA	L80GB	74VT2BF	K62EF	K74EF
K84EF	K45GFC	K67GF	K80GF	K90GF
S45HU	L70MC	L50MCE	S60MC	S70MCE
K80MC	S80MC	K90MC-C	L67GFCA	L90GBE
K45GF	L45GF	L67GF	L80GF	L90GF



S35MC	L42NC	S42NC	L50MC	S60MC
L70MC	L80MC	L90MC	S90MC	50VT2BF
62VT2BF	K84EF			

mitsubishi:

UEC37L/LA/LS	UEC45HA	UEC60L/LA/LS		
UEC45L/LA/LS	UET45/75C	UEC52/125H		
UEC52L/LA/LS	UET45/80D	UEC52/90D		
UEC (T) 52/105D	UEC45/115H	UEC37/88H	UEC37H	

PIELSTICK:

PA6	PC3	PC2-2	IHI PC2-5	PC4
PC2-6	PC4-2L	PC4-570	PA5	

AKASAKA:

UET45/80D	UEC52/105D	DM51SS	UEC 60/150H	UEC 60HA
A31	A34	A37	A41	AH27
AH28	AH30	AH36	AH38	AH40
DM30	DM36	DM38	DM46	DM47

DEUTZ:

RBV8M358	RBV8M540	RBV16M640	TBD620L6	
BVM350	BVM540	BF6M716		

HANSHIN:

EL30	EL32	EL35	EL40	EL44
LH28RG	LH31G	LU28 (A, R, G)	LU32	LU35
LU38	LU46 (A)	LU50	LU54	LUN28
LUN30	LUD32	LUD35	LUS38	



NIIGATA:

MG40X (EX)	M34X	6M28BFT	M31X
------------	------	---------	------

MAK:

M332	M453AK	MU551AK	MU552AK	M601
MU452AK	451AK	6M453AK	9M453C	6M601C
8M601				

WARTSILA:

22	32	31	26	20
S28	38	46	32GD	46GD
14TK	R22HF	R-V32	NOHAB	

DAIHATSU:

PS-18	PS-22	PS-20	PS-26	PS-30
PKT-14	PKT-16	PKTD-16	DS-18	DS-22
DS-26	DS- 28	DS-32	DL-14	DL-16
DL-19	DL-20	DL-22	DL-24	DL-26
DK-20	PL-24			

CUMMINS:

4BT3. 9	6BT (A) 5. 9	6CT8. 3	NT (A) 855	N14
KTA19	KTA38	KTA50	QSK19	QSM11

CATERPILLAR:

3054	3056	3066	3106	3126
------	------	------	------	------



3306	3406	3408	3412	3508
3512	3516	3606	3608	3612
3616	3618	C1. 5	C2. 2	C7
C9	C10	C12	C15	C16
C18	C30	C32		

SCANIA:

DI 09	DI 13	DI 16
-------	-------	-------

What is a marine engine Bed Plate? Complete Explanation From Marineprogress:

Bedplate rigid seating for the [crankshaft](#), which is absolutely essential for satisfactory engine operation. engine Bed plate takes up the static load from the running gear and the other constructional components. It also takes up the dynamic load coming down the piston and [connecting rod](#) during operation. [See more on Marineprogress.](#)