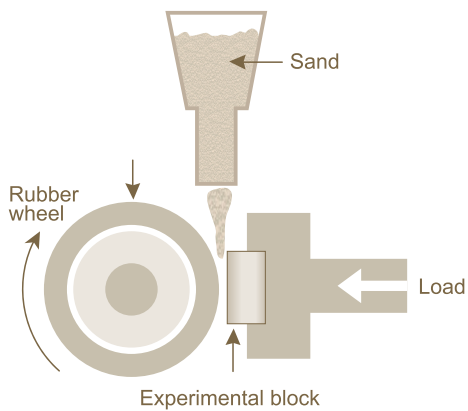


■ Main chemical components of the wear resistant plate

Material used	C	Cr	Mn	Si	Mo	Nb	Other
Imported welding wire	4.5~6.0	25~28	0.5~1.5	0.5~2.0	0.5~1.0	1.0~1.5	Fe
Home-made welding wire	4.5~5.0	19~25	0.5~1.2	0.5~2.0			Fe

■ Wear resistant experimental mode



Pressure : 8.8kg
Rotation number : 3000,6000
Rotation speed : 120r.p.m
Wheel diameter : 250mm
Sand particle : No. 6
Falling volume : 300g/min
Experimental size : 20×20×40

Experimental material	Abrasion loss (g)		Wear resistance ratio
	3000 rotations	6000 rotations	
WA-W1	0.1640	0.3172	9.20
WA-W2	0.1390	0.2660	10.85
WA-M1	0.1063	0.2630	10.97
WA-M2	0.0621	0.1187	24.31
WA-M3	0.1041	0.1990	14.50
WA-M4	0.1225	0.2343	12.32
Cr cast iron	0.1454	0.2975	9.70
Mn13 cast steel	1.1829	2.2008	1.31
CrNiMo cast steel	1.2516	2.2334	1.29
Grey cast iron (HT250)	1.2766	2.3689	1.22
Carbon steel (35")	1.3088	2.4530	1.18
Structural steel (Q235)	1.5088	2.8862	1.00

