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PRODUCT DATA

DOP WEAR PLATE

MATERIAL	HARDNESS (HRC)	TEMPERATURE RESISTANCE
Mild Steel	16	×
Carbon Steel S45C	18	×
Stainless Steel S304	16	×
AR400	35	×
Dual Plate	60 -62	×
JP DOP	70 - 72	√

Materials handling ID Fans, De-stoners and cyclones are designed to withstand abrasive and sometimes corrosive environment. **AR 400** material can have **3 times the wear resistance than carbon steel**. **Stainless steel** can be used for moderate wear and have **20% better life than carbon steel**

Dua plate is a chromium carbide composite cladding that is a fusion bonding to backing material mild steel (A36). Dua plate has been proven to outlast AR 400 steel by **50% extra life**.

There is a common misconception that higher the hardness of a material, the better the wear resistance Dual plate consist of hard chromium carbide in supporting metric which gives better wear resistance than AR 400.

However normal chromium carbide dua plate loses its wear resistance at **high temperature. This material is not suitable for find particle abrasion at temperature. eg ID Fan, Boiler Chutes**

JP DOP Hardness approximately 70 – 72 HRC is the most abrasion resistance material for most anti-wear use. DOP provides outstanding resistance to **severe abrasion and particle impact erosion and temperature up to 1000 °C**

DOP Plates can be rolled, bent and welded with normal mild steel electrodes

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