Welding Write Colkshop. Belding is the metal joining method where in a coales cence is produced either by heating, the metal to suitable temperatible wish or without the use of fill or metal Dypes of Weldings 1) due Welding: It compruses of those welding processes where source of heat is electricity re coalescence is wrought by heating the work piece with an electric arc stuck between End electrode and wookpiec e o) Shielded anc o) Gas-metal on c o) Gas-Zungsten anc e) Submergled arc e) Carbon arc

Partholier Shielded anc SKSO/BD/33 In SMAW coalescence is brought about by heating the workpiece with an delectric and setup between the coated electrode and the workpiece. The flux covering decomposes due to functions like air Stability, weld metal protection etc. The electrode melts and all as filler metal Submerged orchleding In SAW, wielding is done under a blanket of Spaceflux, such that the ary theend of electrode and the motten weld pool are sulmerged in finely divided granul ated powder (flux) contlouning Cappophiate deoxydizers, ecemens cuty other fluxing element gas lingsted are Wielding In this welding accoalscence is brought about by heating The job with an electric one Struck between a tungsten electrode and the gob. It shielding cgost largon or helium B ased to aword U. Contamination of mother weld pool. The tungsten electorde is non-conte

30 a filler metal may or may not be used John 37 as metal arcogas metal onco-In mier welding coalescence is always alout by heating the gob with an electric with established between a continuously fed metal electrode and the gob. The arc and molt en metal anc streetded Oby shielding gas ii) Gas Wielding. It is a fusion melting perocess. It joins motal using the heat of oxygen/air and a fuelgas mixture. Ccombustion gas wielding o) Oxy-acytel@he o) Oxy-Hydrogen o) Air acetylene. Oxy-acytelene When acytele's mixed with oxygen in correct propositions in the welding tooch and ignited the flame resulting at I the tip of tooch is Sufficiently hotto melt and foin the metal Kesistance Weldings Resistance Welding is a group of welding processes wherein coalescente lis berought about by heat obtained toom resistance of

the work to the flow of electric current in a chronit of which work is a part and by opplication of pressure 1 Particological Jarth Obles "Seam 2K20/B17/33 · Spot · Descussion · flash · Projection Welding Egulpments of Ac or DC welding supply e) Welding Electroble o) Electrode holder of Welding Leads o) Ground Comection o) Mand & face Shields Medding Electrodes o) Non-consumable Metallice Carbon or graphite electorals Base electorals Eungsten electrodes Huxcourred electrods