



Turn To The Industry Experts

PCS STEEL SPECIFICATIONS

No. 1 Steel

Low to Medium carbon steel (AISI 1020 – 1050). Material is soft and easy to machine. Used for Bottom Clamp Plates, Rails, and Ejector Plates.

No. 2 Steel

AISI 4130 / 4140 material. Pre-hardened 28/32 HRC. High Strength material. Can be machined with carbide tooling. Used for Top Clamp Plates and Support Plates.

No. 3 Steel

AISI P20 (4130 Modified) High quality mold steel 28/32 HRC. Can machined with Carbide tooling. Used mainly for A-Cavity and B-Core plates.

No. 7 Steel

AISI 400 modified series stainless. Material supplied pre-hardened 32/36 HRC. Excellent machining characteristics, good corrosion resistance. Material cannot be hardened. Makes for an excellent mold base material. Due to chemistry not ideal for high polish or textured surface requirements.

No. 55 Steel

Nak 55 is a VAR (Vacuum Arc Re-melted) material. Hardness is 38/42 HRC. Can be machined with carbide tooling up to 40% faster than P20. Material never needs stress relieving. Premium material for A-Cavity and B-Core Plates. Not to be used for lens applications.

No. 80 Steel

Nak 80 is a VAR (Vacuum Arc Re-melted) material. Hardness is 38/42 HRC. Can be machined with carbide tooling up to 20% faster than P20. Material never needs stress relieving. Premium material for A-Cavity and B-Core Plates. This material can be used for lens applications due to the ability to achieve a high polish.