

PerfoHot-Co®

HOT WORK TOOL STEEL

PerfoHot-Co is a special hot work tool steel whose temperature resistance, abrasion resistance and impact resistance are significantly increased by the addition of high levels of Tungsten and Cobalt, which are not found in standard hot work tool steels. It maintains its hardness even at high temperatures and has excellent resistance to shock and abrasion at high temperatures.

APPLICATION AREAS OF PERFOHOT-CO

- Extrusion dies
- Extrusion die fittings
- Model blocks
- Punch plates
- Forging dies
- Forging die fittings
- Mandrels

C%	Cr%	V%	W%	Co%	Others
0,40	4,25	2,00	4,25	4,25	+

Soft Annealing	Stress Relief	Pre-heating before hardening	Hardening	Annealign
850 - 870 °C Slow cooling in the furnace	570 - 670 °C Air cooling	760 - 820 °C	1150 - 1200 °C	550 - 650 °C

Tempering Diagram

