

This special development of KIND & Co is distinguished in comparison of regular hot-work tool steels by a substantially higher wear resistance. In addition to this it has compared to high-speed steels a significantly higher toughness.

This special steel will exclusively be produced as an ESR-grade (Electro-Slag-Remelting).

FTCO is particularly suitable for hot- and warm-forging applications such as precision forging (e.g. toothed gear-wheels) where the tools are exposed to high stresses.

Dominial Tool Steels

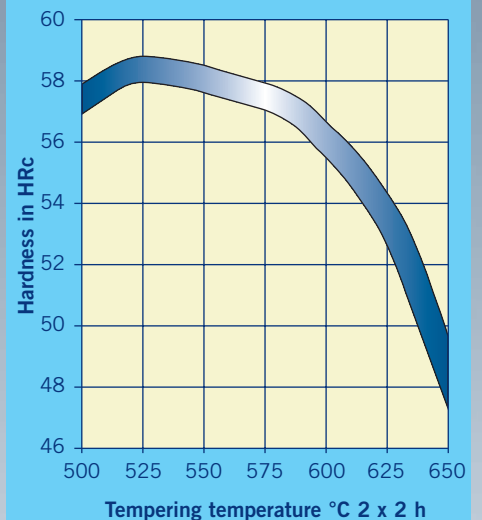
FTCO

Analysis in %

Material	C	Si	Mn	Cr	Mo	V	W	Co	Nb
1.2344 (H13)*	0,40	1,00	0,40	5,20	1,30	1,00	-	-	-
1.2367*	0,38	0,40	0,40	5,00	2,80	0,60	-	-	-
1.2379 (D2)**	1,55	0,30	0,40	11,50	0,70	1,00	-	-	-
1.3343 (M2)***	0,90	0,40	0,20	4,20	5,00	1,90	6,50	-	-
FTCO	0,53	≤0,35	0,40	4,00	2,00	1,10	1,50	0,90	+ %

Tempering diagram FTCO

25 mm Ø, 1120 °C Polymer



Comparison of characteristics

Material	Toughness	Wear resistance
1.2344 (H13)*	Medium	Low
1.2367*	Medium	Medium
1.2379 (D2)**	Low	High
1.3343 (M2)***	Medium	Very High
FTCO	High	High

* Hot-work tool steel

** Cold-work tool steel

*** High-speed steel

»MORE VALUE«

- Innovative tool steels to guarantee a solid foundation
- Proprietary nitriding to optimize wear resistance



- Heat treatment technology to ensure the highest quality
- Application experience and machining services to provide the total package