

Manufacturer	Material Grade	Characteristics Similar With	Delivery Hardness	Main elements of chemical composition								Characteristics
				C	Si	Min	Cr	Ni	Mo	V	Mg	
STIEHL	STIEHL 2085	Sweden Royalloy	Pre-hardened to HRC 29-33	0.28	1.00	1.00	16.00	0.50	0.20	-	-	Contains Cr stainless steel with sound anti-acid and polishing performance as well as good abrasion and corrosion resistance after quenching
	STIEHL 718	P20 Modified	Pre-hardened to HRC 29-34	0.36	0.32	1.35	1.90	1.00	1.60	-	-	With high quenching degree, good surface smoothness, sound machining and polishing performance and flame hardening and nitriding abilities
	STIEHL P20	Sweden 618	Pre-hardened to HRC 29-33	0.33	0.38	0.77	1.62	-	0.36	-	-	Plastic mould steel, with sound polishing and detaching performance
	STIEHL 2083	420/420H	Pre-hardened to HRC 30-35	0.38	0.37	0.38	13.00	-	-	-	-	Sound abrasive resistance, anti-acid, machining and polishing performance
	STIEHL 4Cr13		Pre-hardened to HRC 30-36	0.40	0.46	0.55	13.00	0.15	-	-	-	Sound machining and polishing performance and corrosion resistance
	STIEHL 2311	Bohler M201	Pre-hardened to HRC 30-36	0.40	0.29	1.30	1.85	-	0.20	-	-	Commonly used pre-hardening steel, with sound cutting performance and excellent polishing performance, suitable for aerification, hard chromium plating, and titanizing
	STIEHL 2312	Bohler M200	Pre-hardened to HRC 30-36	0.40	0.30	1.40	2.00	-	0.25	-	-	Improves machining performance by adding sulfur S on the basis of 2311
	STIEHL 2738	P20+Ni	Pre-hardened to HRC 28-32	0.37	0.40	1.10	2.00	1.00	0.20	-	-	Commonly used pre-hardening steel, with sound polishing performance and dermatoglyph performance
	STIEHL 2767	K600	Annealed to HB 180-220	0.45	0.25	0.30	1.30	4.00	0.25	-	-	High-ductility hot-work mould steel, with superior heat resistance