

# 葛利兹钢种的选型方法 - 钢材性能对比表

## How to select steel grades of Gröditz - Performance Comparison Table



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钢种 Steel Grades	化学成分 Typical chemical composition						硬度 hardness HRC	耐磨性 Wear Resistance	韧性* Toughness*	抛光性 Polishability	可晒纹性 Texturing	耐腐蚀性 Corrosion Resistance	焊接性 Welding	机加工性 Machining	可氮化性 Nitridability
	C	Cr	Mo	Ni	V	其它 others									
2085	0.33	16.00	-	<1.00	-	S~0.08	28-34	1	2.5	0	0	2	1	4	1
2316	0.35	15.50	1.00	0.50	-	-	28-34	1	3	1.5	0	3.5	1	2.5	1
2316 VICTORY ESR	0.35	15.50	1.00	0.50	-	-	28-34	1	3.5	2.5	0	4	1	2.5	1
2316mod VICTORY ESR	0.26	15.00	1.00	0.70	-	-	28-34	1	3.5	2.5	0	4.5	1	2.5	1
2311	0.40	2.00	0.20	-	-	-	28-34	1	3.5	1	0	0	3	3	3
2312	0.40	1.90	0.20	-	-	S~0.05	28-34	1	3	0	0	0	3	5	3
2738/2738H/2738HH	0.36	1.80	0.20	1.10	-	-	30-38	1.5	4	1.5	2	0	3	3	3
738HH	0.27	1.35	alloyed	1.00	-	alloyed	32-38	1.5	4.5	2	3	0	4	3	3
2711	0.55	0.70	0.30	1.70	0.10	-	30-42	2	3.5	2.5	2	0	2	3	3
2711mod	0.55	1.10	0.80	2.00	0.10	-	36-42	2	3.5	2.5	2	0	2	3	3
2714	0.55	1.10	0.50	1.70	0.10	-	38-44	2	3.5	2.5	2	0	2	3	3
GEST80	0.14	0.30	0.30	2.80	-	Cu,Al	38-42	2	4.5	2.5	3	0	4	3	3
XPM	0.27	1.35	0.50	1.00	alloyed	alloyed	38-42	2	4.5	2.5	3	0	4	3	3
GEST80 VICTORY ESR	0.14	0.30	0.30	2.80	-	Cu,Al	38-42	2	5	3	5	0	4	2.5	3
XPM VICTORY ESR	0.30	1.35	0.70	1.00	alloyed	alloyed	38-42	2	5	3	5	0	4	2.5	3
CPM40 VICTORY ESR	0.15	4.00	1.10	3.00	-	alloyed	38-42	2	3.5	3.5	5	0	2	2.5	3
CPM50 VICTORY ESR	0.28	14.00	-	0.60	-	N	38-42	2	3	3.5	4	4.5	1	2.5	1

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	C	Cr	Mo	Ni	V	其它 others									
2343	0.36	5.00	1.20	-	0.40	-	36-52	3.5	4	2.5	2	0	1	2	4
2344	0.40	5.20	1.30	-	1.00	-	36-52	4	4	2.5	2	0	1	2	4
2343 VICTORY ESR	0.36	5.00	1.20	-	0.40	-	36-52	3.5	5	3.5	5	0	1	2	4
2344 VICTORY ESR	0.40	5.20	1.30	-	1.00	-	36-52	4	4.5	3.5	5	0	1	2	4
2083	0.40	13.00	-	-	-	-	32-52	4	1	2.5	0	2	1	2	1
2083 VICTORY ESR	0.40	13.00	-	-	-	-	32-52	4	1.5	4	4	3	1	2	1
2083mod VICTORY ESR	0.38	13.00	-	-	0.25	alloyed	29-52	4	1.5	4	4	3	1	2	1
CRMHP VICTORY ESR	0.25	14.00	-	0.60	-	N	50-52	4	2	4.5	4	4.5	1	1.5	1
2767	0.45	1.25	0.20	3.90	-	-	49-53	4	4	3	2	0	2	2	0
GPM58 VICTORY ESR	0.50	5.00	2.20	alloyed	0.70	-	54-58	4.5	3	3.5	4.5	0	1	1.5	5
OPTIN+	0.15	14.00	-	0.60	-	N	50-57	4.5	1.5	5	3.5	5	1	1	1
HNS28	0.25	14.00	-	0.60	-	N	57-59	5	1	4.5	3.5	4.5	1	1	1
Cronidur30	0.30	15.00	1.00	0.50	-	N	58-60	5	1	4.5	3.5	4.5	1	1	1

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