

Unsere Hartmetallsorten
Our hardmetal grades
Nos nuances carbure
Nostre qualità di metallo duro

Sorte Grade	Bisherige Sorte Former Grade	ISO K	Zusammen- setzung Composition		Dichte Density ISO3369 g/cm ³	Härte Hardness ISO3878 HV 30	HR _A ¹⁾	Biegebruch ²⁾ Transverse Rupture ISO 3327 S-HIP N/mm ²	PSI
			WC +MC ³⁾ %	Binder %					
Korngrösse Ultrafein – Grain size ultrafine									
RX8UF-NG	RX8UF	K10 – K20	92	8	14.6	1900	93.5	4300	624000
RX12UF-NG	RX12UF	K10 – K20	88	12	14.1	1680	92.4	4600	667000
Korngrösse Feinst – Grain size submicron									
RX3-NG	RX3	K01	96.7	3.3	15.2	2000	94.0	3000	435000
RX6-NG	RX6	K05 – K10	94	6	14.9	1820	93.1	3500	508000
RX7-NG	RX7	K10 – K30	92.5	7.5	14.7	1720	92.6	3600	522000
RX10-NG	RX10	K20 – K40	90	10	14.5	1600	91.9	3800	551000
RX15-NG	RX15	K30 →K40	85	15	14.0	1330	89.8	4000	580000
SZ3C	SZ3C	K01	97.5	2.5	15.2	1950	93.8	2300	334000
Korngrösse Fein – Grain size fine									
RF13	RKF/RKS	K10	93.5	6.5	14.9	1680	92.4	2500	363000
RF24	RG25	-	88	12	14.3	1380	90.3	3000	435000
RF40	RG40	-	80	20	13.6	1050	86.7	2800	406000
RF54	RG555	-	73	27	13.0	850	84.3	3000	435000
SZ7	SZ7	K10	93	7	14.8	1650	92.1	2500	363000
Korngrösse Mittel – Grain size medium									
RM13	RKM/RKD	K20	93.5	6.5	14.9	1550	91.6	2400	348000
RM16	RB8 (RG15)	K30	91.5	8.5	14.6	1400	90.0	2500	363000
RM22	RKK (RG20)	K40	89	11	14.4	1350	90.0	2800	406000
RM30	RG30	>K40	85	15	14.0	1150	87.9	2900	421000
RCR17	-	-	91.5	8.5	14.6	1600	92.1	2800	406000
RCR24	-	-	88	12	14.2	1400	90.4	3000	435000
Korngrösse Grob / Extragroß – Grain size coarse / extra coarse									
RB14	RKI	K30	93	7	14.9	1450	90.8	2500	363000
RB10	RB10	-	90	10	14.5	1200	88.3	3100	450000
RB15-H	RB15	-	85	15	14.0	1050	86.7	3000	435000
RB20-H	-	-	78	22	13.4	830	84.0	3200	464000
Korrosionsbeständige Ni - Sorten – Corrosion resistant Ni - grades									
RCS12	-	-	94	6	14.9	1700	92.5	2600	377000
RCN	RCN	-	92	8	14.6	1550	91.6	2100	305000
RCS17	-	-	91.5	8.5	14.5	1650	92.2	2800	406000
RCM30	-	-	85	15	14.0	1150	87.9	2900	421000

Klassifikation der WC – Korngrösse

Korngrösse	Bezeichnung DE	Bezeichnung E
< 0.2 µm	Nano	nano
0.2 – 0.5 µm	Ultrafein	ultrafine
0.5 – 0.8 µm	Feinst	submicron
0.8 – 1.3 µm	Fein	fine
1.3 – 2.5 µm	Mittel	medium
2.5 – 6.0 µm	Grob	coarse
> 6.0 µm	Extragrob	extra coarse

- ¹⁾ Werte empirisch ermittelt
– Empirically determined values
²⁾ ISO 3327 Ø 3.25 mm
³⁾ Mischkarbide – Mixed carbide