REFRACTORY CAST STEEL

RICHTER FORMTEILE

				MECHANICAL-TECHNOLOGICAL CHARACTERISTICS			IMPACT WORK (ISO-V)	ANNEALING HARDNESS	
DESCRIPTION	MATERIAL NO.	NORM	USUAL HEAT TREATMENT CONDITION	0,2-YIELD STRENGTH $RP_{0,2}$	TENSILE STRENGTH RM (MPA)	FRACTURE STRAIN A_5 (%)	(J)	(HB)	USAGE/ SPECIAL APPLICATION EXAMPLES
G X 40 CrSi 13	1.4729	DIN 17465 EN 10295	Annealed		490-750	≈4		200-300	for parts in industrial furnace construction
G X 25 CrNiSi 18 9	1.4825	DIN 17465 EN 10295	Cast condition or annealed	≥ 230	≥ 450	≥ 15		130-200	for parts in industrial furnace construction
G X 15 CrNiSi 25 20	1.4840	SEW 595	Cast condition or annealed	205	440-640	15		≤ 230	for parts in furnace and apparatus construction up to 1100 ° C in oxidizing atmospheres
G X 40 CrNiSi 25 20	1.4848	SEW 595 EN 10295	Cast condition or annealed	≥ 220	≥ 450	≥ 8		150-220	for parts with low mechanical stress up to approx. 900 ° C
G X 40 NiCrSi 38 18	1.4865	DIN 17465 EN 10295	Cast condition or annealed	≥ 220	≥ 420	≥ 8		150-220	for parts in industrial furnace construction