

# CHAIN MECHANICAL PROPERTIES

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	R5	R4S+	R4S	VL LR IACS BV	R4 R4 R4 R4	ABS RQ4	VL LR IACS BV	R3S R3S R3S R3S	VL LR IACS BV	R3 R3 R3 R3	API ORQ	Grade 3	
Ultimate Tensile Strength	1000 Mpa	1000 Mpa	960 Mpa	860 Mpa	860 Mpa	860 Mpa	770 Mpa	690 Mpa	690 Mpa	641 Mpa	100 Ksi / 690 Mpa		
Yield Strength Mpa min.	760	760	690	580	580	580	490	410	-	-			
Reduction of area %	50	50	50	50	50	50	50	50	40	40			
Elongation % min.	12	12	12	12	12	12	15	17	17	17			
Design temperature °C	-20	-20	-20	-20	0	-20	-20	0	-20	0	0	-15	
Impact Joules – Base material	58	50	50	50	70	50	45	65	40	60	58	40	60
Impact Joules – Weld	42	36	36	36	50	36	33	53	30	50	49	36	50

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.