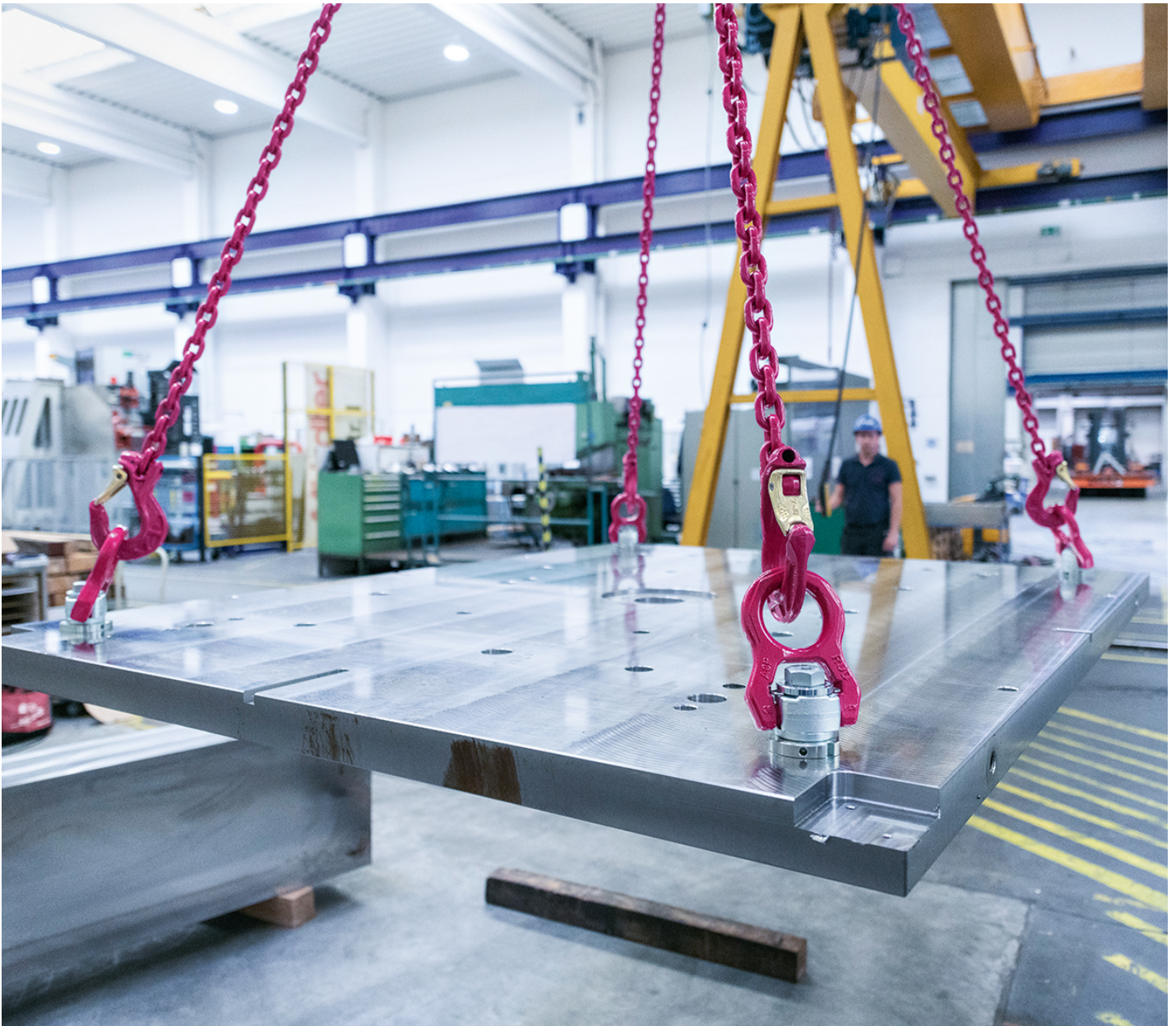


ICE Grade 120

Innovative Chain Evolution

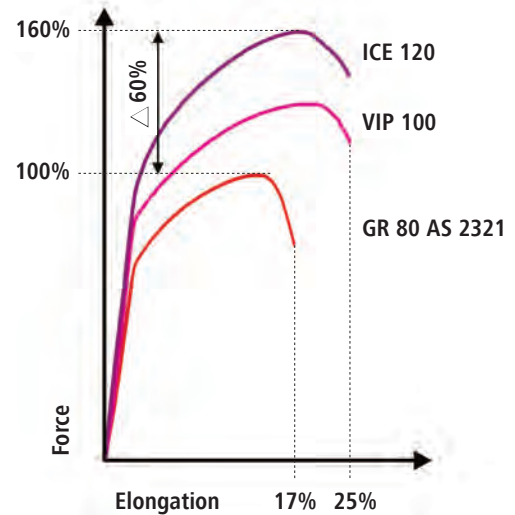
ICE

120



ICE GR 120 - 16mm 2 links = 0.65kg @ 6.72kg/m	GR 80 - 20 mm 2 links = 1.07kg @ 8.9kg/m
	
WLL 12.5t	WLL 12.5t
8m x GR 120 - 16mm	8m x GR 80 - 20mm
8 x 6.72	8 x 8.90
53.7kg	71.2kg
ICE >30% lighter for same WLL!	

ICE 120 - up to 60% higher breaking force / Working Load Limit (WLL) than GR 80



ICE 120



225°C 250°C 275°C 300°C

Patented Heat Indicator

In high temperature environments, the special fluorescent ICE powder coating permanently changes its colour. Above 300°C the colour changes permanently to black and the chain assembly should be taken out of service (see picture right).

ICE GR 120 V's GR 100					
CHAIN GRADE COMPARISON	Grade 80 (AS 2321)	Grade 100 (AS 2321:2014 - V200)	Grade 100 (AS 2321:2014 - V400)	RUD VIP Grade 100 PAS 1061 (exceeds AS 2321:2014 - V400)	RUD ICE Grade 120 PAS 1061 (exceeds AS 2321:2014 - V400)
CrNiMo steel	Typically Boron alloy	0.4% Ni 0.4% Cr 0.15% Mo	0.7% Ni 0.5% Cr 0.30% Mo	High quality CrNiMo 0.7% Ni 0.5% Cr 0.30% Mo	Patented CrNiMo steel with VIP and some additions
Link bend test	YES	YES	YES	Bend & reverse bend	Bend & reverse bend
Elongation	17%	20%	20%	20% coated 25% uncoated	20% coated 25% uncoated
Hardness	Typically 360 HV and below	Varies by manufacturer. Typically better than GR 80	Varies by manufacturer. Typically better than V200	Approx 430 HV	460 HV
Toughness	28J @ -20°C	28J @ -20°C	28J @ -20°C	Avg 42J @ -40°C	Avg 55J @ -60°C
Cycle test chain (20,000 @ 1.5 WLL)	NO	NO	NO	YES	YES
Stress corrosion test	NO	NO	NO	YES	YES
Temperature limit	Typically -10°C to 400°C	-10°C to 200°C (as per AS 2321)	-10°C to 380°C (as per AS 2321)	-40°C to 380°C	-60°C to 300°C

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Full Member

Quality ISO 9001

Environment ISO 9001

ISO 45001 Occupational Health and Safety

SAI GLOBAL