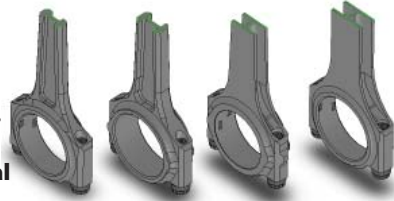


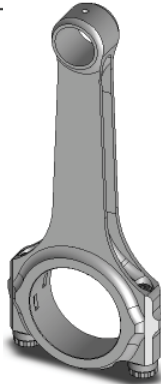
WHY A CARRILLO ROD?

For over forty years Carrillo Industries has offered the well know "H" beam design as the most optimum design for a high performance connecting rod. This design has sustained all tests of time and durability, often copied, never duplicated.

In an effort to participate in a broader market, Carrillo designed what we refer to as the "A" beam configuration. This part is designed for those end users where the stress levels do not equate with the needs of the "H" beam design. Via technical analysis and pragmatic experience, Carrillo has identified a number of critical areas of design relative to high performance connecting rods. In consideration of those areas, evidence is that the "H" beam design is approximately 15-20% more durable. The elements of twist, bend, torsion and tension are the most critical. We address these specifics regularly in all our designs. The "A" beam often offers some weight considerations, but is not suited for all applications. The net conclusion is that the engine builder with the help and support of the supplier, must decide on the part necessary to best fit the application.



$$T(\theta) = \frac{TL}{KG}$$
$$K = \frac{2I^3b + tw^3h}{3}$$



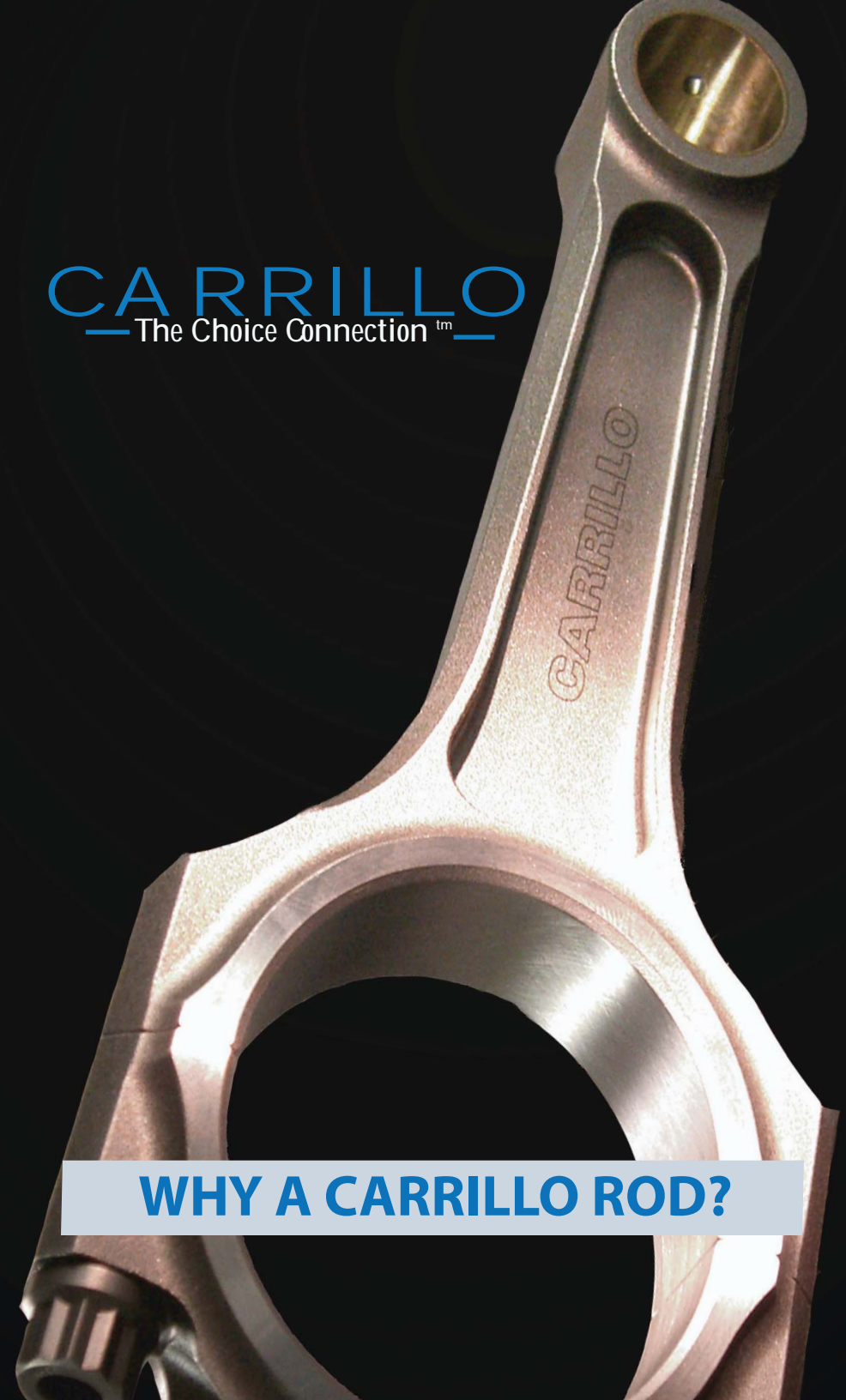
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CARRILLO
— The Choice Connection™ —

WHY A CARRILLO ROD?



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Well, here is the scoop: **QUALITY**



A popular response when looking at a Carrillo rod is "a piece of art". Not only is the physical appearance of the rod spectacular, but there are many elements not seen by the eyes that contribute to the success of a Carrillo connecting rod.

In 1963, Fred Carrillo was inspired to manufacture a premier connecting rod to serve the racing industry, he set out to find the finest ingredients to help realize his vision. Unable to find acceptable steel, Fred developed Carrilloloy; a proprietary blend that has properties comparable to 4340 Steel.



FORGING –Provides the BEST combination of mechanical properties



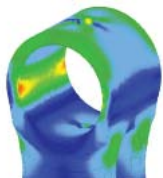
Carrillo forging starts from rough turned bar and forged into specific sizes. The forging process produces outstanding grain structure which promotes superior strength and toughness. All our connecting rods are 100% machined and thoroughly inspected that meets the highest standards.

To ensure quality and consistency, we buy material in large lots. Parallel certifications of our steel are done by our steel mill and independent laboratories to ensure our material are of the highest quality. Carrilloloy is then subjected to a unique forging design and forged using the latest technology. In large batches, the forgings are heat treated a process that has been developed, tested, and mastered for the past 30 years.



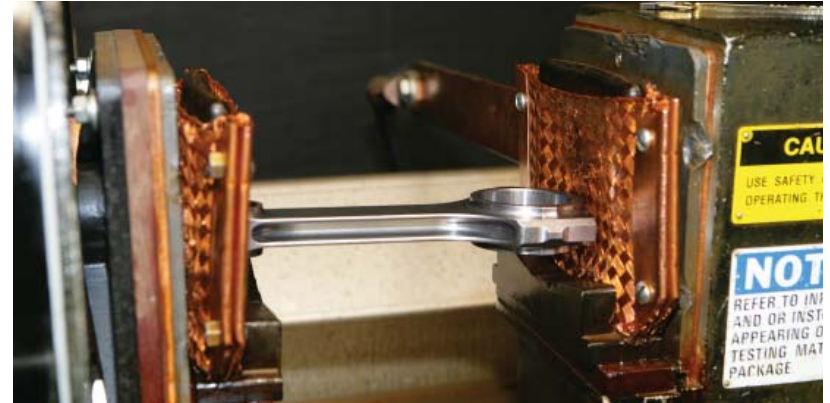
Prior to the forgings going into production, our highly skilled engineers work with our sales technicians and the customers to design a custom rod that fit their applications. Engine specifications such as HP, RPM, stroke, piston and pin weights are requested to optimize the design that is best suited for each application.

$$f = -\bar{m}_s a_s \cong \bar{m} b R \omega^2 \left(\cos \theta + \frac{R}{L} \cos 2\theta \right) \angle 0^\circ$$



WHY A CARRILLO ROD?

Throughout our manufacturing process, Carrillo rods are inspected and measured to uphold the highest standards. To ensure thoroughness in our processing, some processes such as Magnaflux is done not only once or twice, but three times to ensure the integrity of our material.



Before going out to our customers, our rods go through our quality laboratory which is equipped with the latest technology. Some of the equipment included in our lab is: a high quality CMM, a 2D measuring system, air gauges etc.



Close to half a century we have been collecting data. Our connecting rod database is immense! From application information, designs, material properties or failure analysis, we do it all and we continue add to it.

