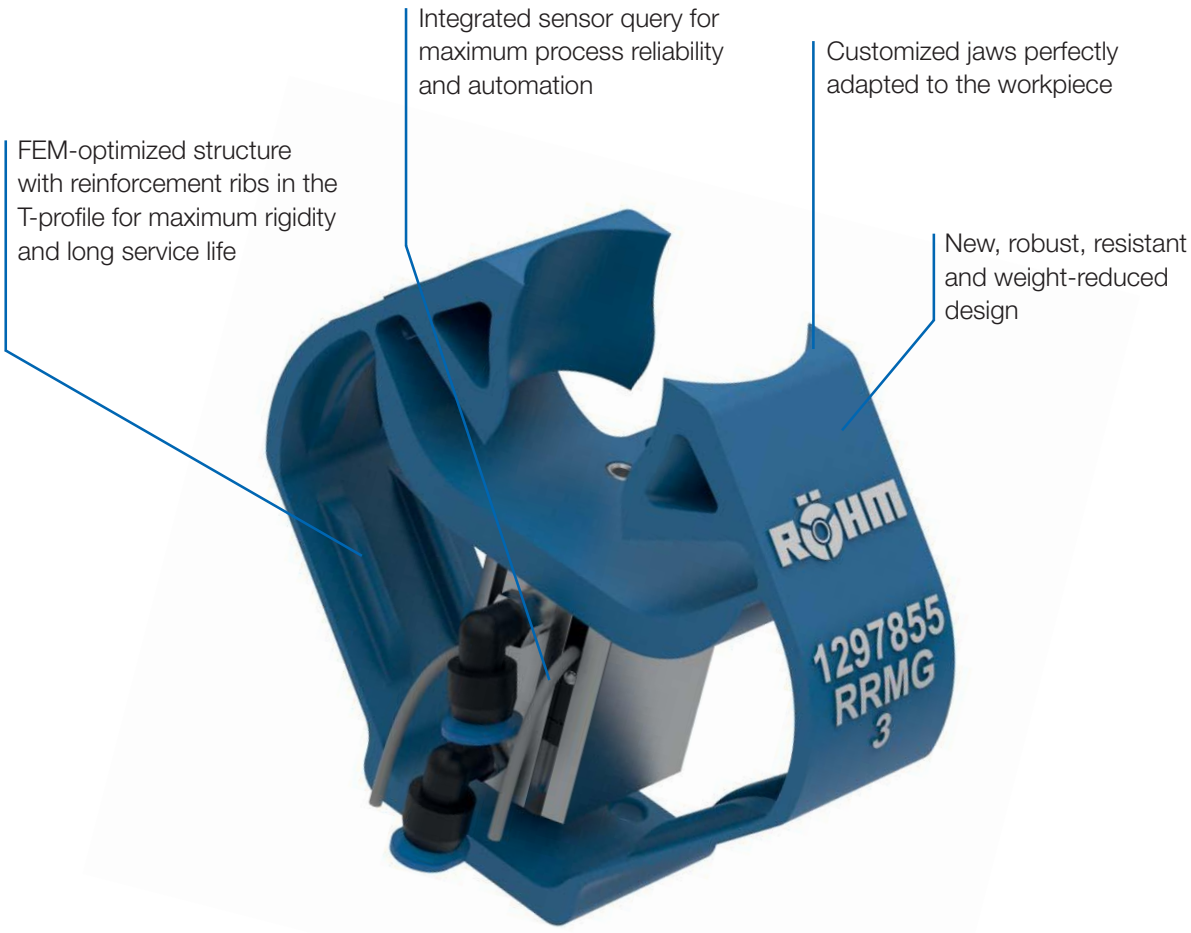
SYNTHETIC GRIPPER

Whether round material, prismatic workpieces or free-form surfaces, the synthetic RRMG gripper from RÖHM is individually adapted to the workpiece and produced. Only a 3D model of the workpiece is required, and RÖHM will produce the individual synthetic RRMG gripper based on that. This customer-specific solution is therefore perfect for gripping and clamping sensitive workpieces with complex geometries.

ADVANTAGES AT A GLANCE

- Component-specific individual piece for sensitive workpieces with complex geometries
- FEM-optimized design with 30% higher clamping force for a greater range of use
- Up to 16 million gripper cycles without required maintenance or signs of wear



RRMG

APPLICATION

Synthetic gripper for easy, sensitive workpieces with complex geometries.

TYPE

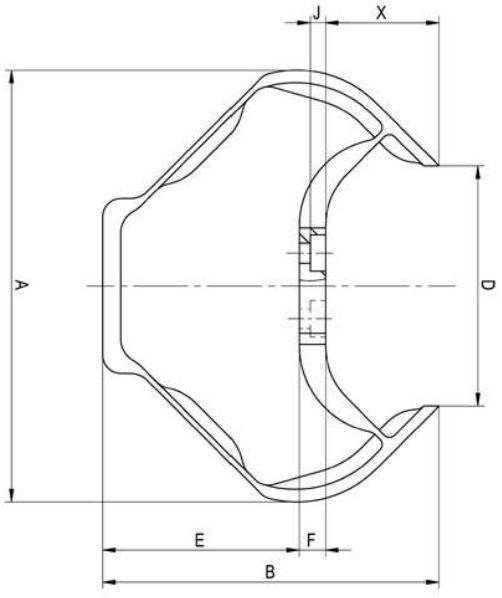
Synthetic gripper RRMG - customized and perfectly adapted jaws on the form of the workpiece.

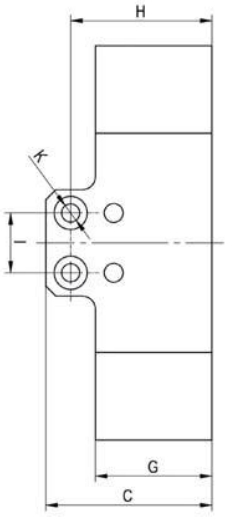
CUSTOMER BENEFITS

- Part specific unique gripper for sensitive workpieces with complex geometries
- FEM optimized structure with 30 % higher clamping force
- Customized and perfectly adapted to the workpiece using the 3D-model
- Application specific design of the flange for maximum flexibility
- Up to 16 million gripping cycles without maintenance or wear and tear

TECHNICAL FEATURES

- Synthetically built by selective laser sinthering for short delivery times
- Especially robust and durable material polyamid with FEM-optimized structure
- Optional position monitoring by installable standard sensors
- Position monitoring by magnetic sensors possible
- Further designs and sizes on request (e.g. double gripper, internal gripper, etc.)





Synthetic gripper RRMG

	Size	Gripping force (N)*	Stroke (mm)*	Clamping point X	A	B	C	D	E	F	G	H	I	J	K Ø
RRMG	2	80	2,6	23,2	92	75,8	37	50	47	5,5	25	31	13	3,4	4,5
RRMG	3	152	4,3	31,2	118,6	92,4	50	66	54	7,2	35	42,5	18	4,2	5,5

* at clamping point X.