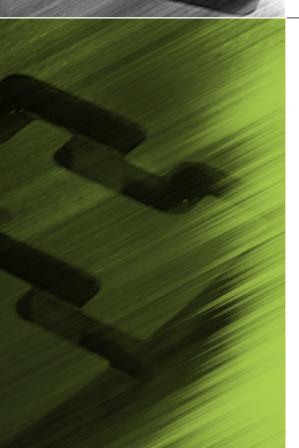




Oil Gas Petrochemicals





FILMS is the OMCD group company specialising in the design and production of special wear-resistant hard metal tools.

With almost **70 years of experience** in the sector, FILMS has specific **technical-commercial skills** that are constantly evolving, enabling it to export wholly Made in Italy products all over the world in full compliance with the highest quality standards.



Customer-centred business model

FILMS actively collaborates with its customers to satisfy their needs and realise innovative, tailormade, technically performant and economically advantageous solutions.





Research and Development

Thanks to the in-house Physical-Metallurgical Laboratory HI.Lab. FILMS is constantly researching **new materials** and keeping abreast of the **latest technologies**.



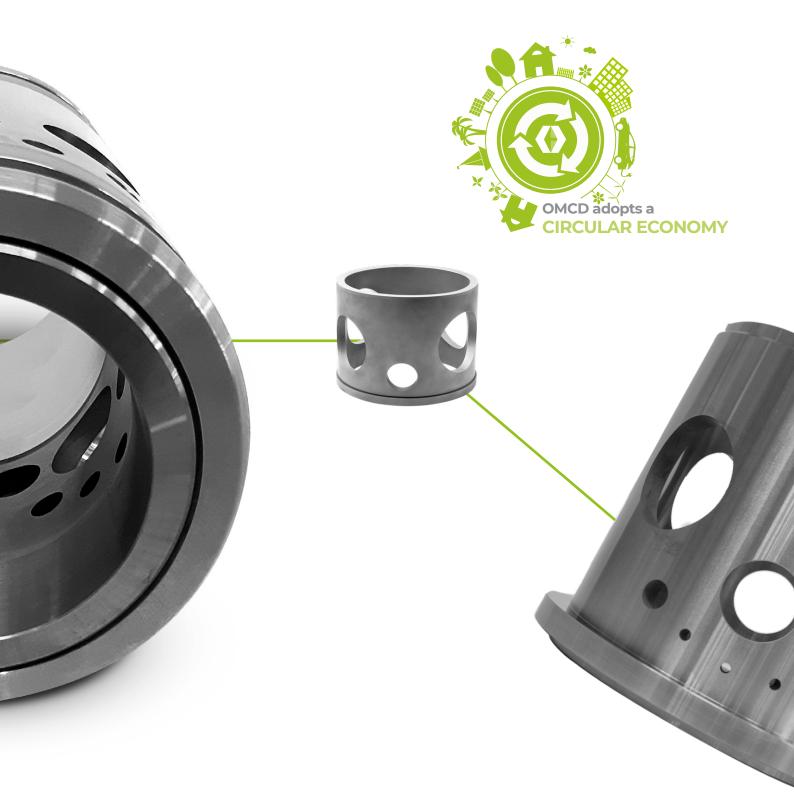
Staff dedicated to the Oil&Gas sector

For years FILMS has dedicated special attention, resources and energy to the Oil&Gas sector. A specialised staff is reserved exclusively for this sector and assists the customer **from design to production and after-sales service**.

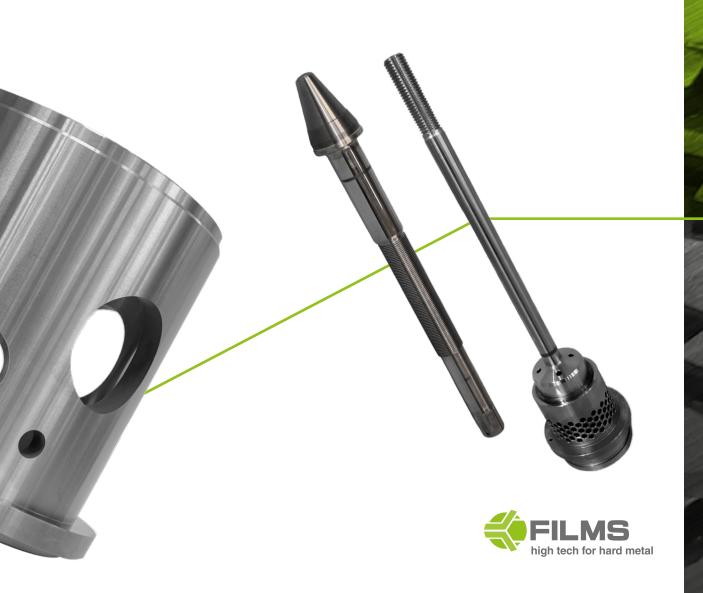




FILMS has developed **specific grades** of Hard Metal dedicated to the **Oil&Gas** sector, aimed at meeting the requirements of hardness and resistance to abrasion and corrosion.



Grade	Metallic Binder		WO 0	Hardness	Fracture toughness
	Composition	Content (m%)	WC Grain Size	(HV30)	(MPa · m1/2)
J68B	Co-base alloy	6	s-f	1680	8.6
J68F	Co-base alloy	8	s-f	1680	9.3
J55F	Co-base alloy	9.5	s-f	1550	11
K39F	Co-base alloy	10.5	m-c	1390	13.9
S57M	CoNi-base alloy	8.8	s-f	1570	9.5
S38H	CoNi-base alloy	11	s-f-m	1380	13
S28E	CoNi-base alloy	12	m	1280	15.6
S15V	CoNi-base alloy	16	m-c	1150	21.9
N52A	Ni-base alloy	8	s-f	1520	9.5
N52C	Ni-base alloy	6	m	1520	8
N42A	Ni-base alloy	10	s-f	1420	n.d.
N42C	Ni-base alloy	8	m	1420	11.8



The OMCD Group headed by the Tedeschi family for two generations, is a multinational company made up of 10 brands active in the field of Hard Metal, sintered copper/tungsten and precious metals.

Its centralized structure and **synergy between each brand** guarantees **control of the entire production process**, from the refining of minerals to the micro-finishing operations.

Technical **competence**, continuous **innovation** and focus on **customer satisfaction** are just some of the reasons why every day more and more companies rely on OMCD Group as their commercial business partner.







OMCD GROUP

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