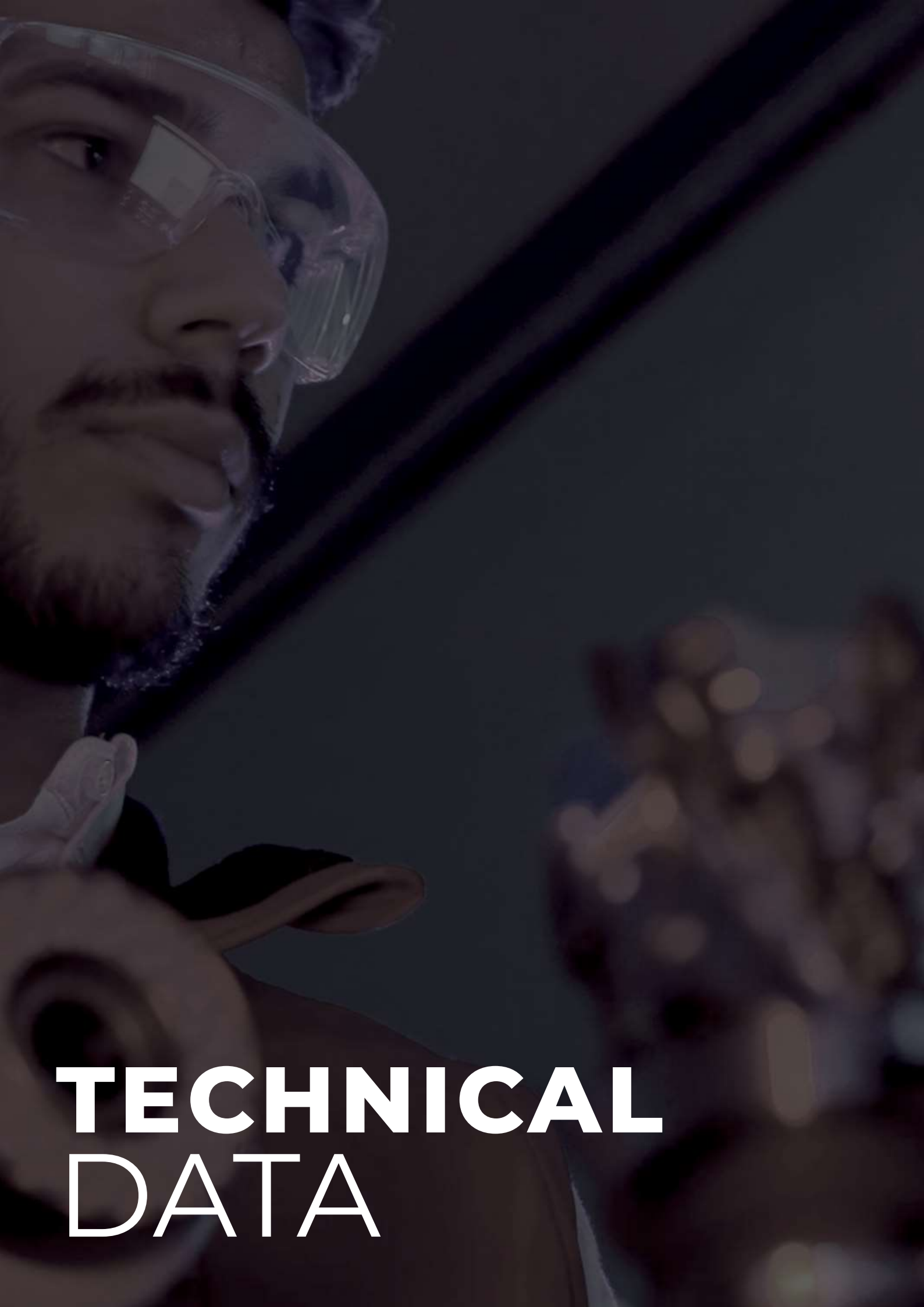




TECHNICAL DATA

THREADING GRADES

Graus de roscagem | Calidades para roscado

	1	5	10	15	20	25	30	35	40	45	50	
P STEEL				PH7(6) 920								PVD
M STAINLESS STEEL				PH7(6) 920								PVD
K CAST IRON				PH7(6) 920								PVD
N ALUMINIUM & NON FERROUS			PH7(6) 920									PVD
S HEAT RESISTANT / TITANIUM ALLOYS				PH7(6) 920								PVD

GRADES DESCRIPTION

Descrição de graus | Descripción de calidades

PH7920

PH6920

P10-P35

M10-M25

K10-K30

N05-N15

S10-S30

Multi purpose PVD coated grade with good balance between wear resistance and toughness.

WORKPIECE MATERIALS - PALBIT SELECTION MATERIALS, PSM

Material da peça - seleção de materiais Palbit, PSM | Material de la pieza - selección materiales Palbit, PSM

STEEL, FERRITIC AND MARTENSITIC STAINLESS STEEL

ISO	PSM	Material Example	Description	$R_m(N/mm^2)$	$kcX(N/mm^2)$	m_c
P	1	Ck50	Structural steels; ordinary carbon steels with low to medium carbon content(<0,5%C); soft carbon steel; free cutting steel.	<500	1500	0.25
	2	42CrMnNiMo 4	Normal tool steels; harder steels for toughening; Martensitic stainless steels; Carbon steels with high carbon content (>0,5%C); Ferritic and martensitic stainless steels.	550<900	1900	0.24
	3	X40CrMoV51	Normal tool steels; Harder steels for toughening; Martensitic stainless steels; Difficult tool steels; High-alloy steels with high hardness; Martensitic stainless steels.	900<1200	2000	0.24

EASY-CUTTING, AUSTENITIC AND DUPLEX STAINLESS STEEL

ISO	PSM	Material Example	Description	$R_m(N/mm^2)$	$kcX(N/mm^2)$	m_c
M	4	X8CrNiS189	Easy-cutting stainless steels; Free-cutting stainless steels; Calcium-treated stainless steels.		1750	0.22
	5	X2CrNiMo17122	Moderately to difficult stainless steels: Austenitic and duplex.		2050	0.20
	6	X2CrNiMoN2253	Very difficult stainless steels: Austenitic and duplex.		2150	0.20

CAST IRON

ISO	PSM	Material Example	Description	$R_m(N/mm^2)$	$kcX(N/mm^2)$	m_c
K	7	GJL-150	Medium / hard cast iron; Grey cast iron.		1150	0.22
	8	GJL-250	Low-alloy cast iron; Malleable cast iron; Nodular cast iron.		1225	0.25
	9	GJL-350	Difficult high-alloy cast iron; Difficult malleable cast iron; Nodular cast iron		1470	0.30

ALUMINIUM AND NON-FERROUSES

ISO	PSM	Material Example	Description	$R_m(N/mm^2)$	$kcX(N/mm^2)$	m_c
N	10	AW7075 AlSi12 CuZn37	Aluminium alloys; Low Si Aluminium alloys; High Si Copper alloys			

HEAT RESISTANT SUPER ALLOYS

ISO	PSM	Material Example	Description	$R_m(N/mm^2)$	$kcX(N/mm^2)$	m_c
S	11	Inconel 718	Ni-based super-alloys Titanium alloys		3300 1450	0.24 0.23

Please note that the R_m value is only for selection of the material group and when the material has been heat treatment or other methods that increase the strength of the material.

LOOKING FOR GENERAL DATA?



Check the qrcode for more information