



ALL. 02-P.12 di 16 - GRASSI.

STANDARD No. 0.000.001

ANN. 02-P.12 di 16 - GREASES.

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**DANIEMI**Sostituisce  
Replaces

A02.3a - Tipo DIN 51502 - KHC2S (Tipo 21).

Sintetico - Lubrificazione alta temperatura, NON additivato EP.

A02.3a - Type DIN 51502 - KHC2S (Type 21).

Synthetic - High temperature lubrication, NOT EP additives.

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Ex. des.: 0.340335.Z - Grease KHC2S

DIN 51825

T.21 N 0.000.001

Cert. EN10204 - 2.2

Design: DIN 51502	Design: ISO 6743-9	Worked Penetration DIN ISO 2137		Consistence NLGI DIN 51818	DANIEMI CODE
		Min	Max		
KHC 2S	L-XBGEA 2	265	295	1.1/2-2	Type 21 0.340335.Z

 Preferibili ma non obbligatori.  
Preferred but not mandatory.
**Caratteristiche**

Grasso a base di olio sintetico; ottima stabilità meccanica. Ottima resistenza contro ossidazione, corrosione, umidità, acqua, vapore. Bassissimo residuo in ceneri, pompabile, adesivo, stabile anche a temperatura continue di 200°C con punte di 220°C. Conformi DIN 51825

**Characteristics**

Grease with synthetic base oil; excellent mechanical stability. Excellent resistance to oxidation, corrosion, humidity, water and steam. Very low ash content, can be pumped, good adhesiveness, stability even at continuous temp. of 200° with peaks of 220°C. Meet DIN 51825.

Tab. A02.3a/2

**Physical characteristics**

Characteristics	STD ref.	U.M.	Value
Thickener	Complex/PAO		
Dropping Point	ISO 2176	°C	> 240
	ASTM D 2265		
Flow pressure @ -20°C	DIN 51805	mbar	≤ 1400
Oxydation stability	ASTM D 942.1P142	bar	≤ 0,5
Oil Viscosity @ 40°C (kinematic)	ASTM D 445	cSt	≥ 200
	DIN 51562		
Oil Viscosity @ 100°C (kinem.)	ASTM D 445	cSt	≥ 20
	DIN 51562		
Water washout @ 79°C 1h	ASTM D 1264	% wt	Max 4
	ISO 2137		
Worked Penetration @ 25°C	ASTM D 217	mm/10	285+295
	ISO 2137 chap.1		
Change in worked penetration after 100000 DS	ASTM D 217		≤ 40

**Corrosion tests**

Characteristics	STD ref.	U.M.	Value
Corrosion-prevention	ASTM D 1743	Gr.	1
SKF Eموor corrosion test	DIN 51802	Level	0 and 0

**Wear characteristics**

Characteristics	STD ref.	U.M.	Value
4-Ball wear test 40 kg 1200 g/1'	ASTM D 2266	wear mm	≤ 0,6
	ASTM D 2596		
Timken EP test (weld point)	ASTM D 2509	kg	≥ 220
Timken EP test (OK load)	ASTM D 2509	pounds	≥ 40
FZG gear test	DIN 51354-1/2	Pass stage	-
Mech.-dyn. test FAG FE 9, A/1500/8000 F <sub>50</sub> over 100h	DIN 51821-2	°C	180

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**BRANDS COMPARISON**

SOCIETY	MARK
AGIP	ROCOL SAPPHIRE HI-TEMP 2
BECHER	BERUTOX FH 28 EPK 2
BP	ENERGREASE SY 2202
BRUGAROLAS	G. BESLUX LIPLEX H-1/2 S
CHEVRON	ULTI-PLEX SYNTHETIC GREASE EP (1)
FUCHS	RENOLIT HIGH TEMP 2
MOBIL	MOBILITH SHC PM
SHELL	STAMINA HDS 2
TEXACO	SUPER SYNLIPLIX
TOTAL	POLYSTAR SYNTHETIC 4602
TRIBOL	CERAN HV
VISCOL	TRIBOL 4747
	SIGNAL SUPERSINT-GREASE HT 220/2

(1): Only for USA market.

