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Q8@Oils

Q8 Brahms metal forming fluids

Q8 Brahms is a range of neat forming fluids which are developed for all applications of forming from moderate to severe operations. Covering a wide range of viscosities and performance characteristics, Q8 Brahms is suitable for all materials from copper alloys, aluminium, steel, stainless steel and heat resistant alloys.

Benefits

A suitable product for every application and material

Reduced risk of exposure to harmful chemicals which are present in poor quality base fluids

Extended fluid life

Ability to perform the most severe of forming operations

Reduced impact on the environment

Flexibility to perform lost fluid systems where required

Demonstrated to reduce overall process costs



O8 Brahms series

The Q8 Brahms product range is extensive, so much so that it is separated into different families of products below;

1000	2000	3000
Easy operations on standard bolts and fasteners	High demanding operations on fasteners	Light to medium severe forming operations
4000	5000	6000
Severe forming operation	Very severe forming operations	Extrusion and cupping operation
7000	8000	9000
Light duty vanishing	Special application products	Water based forming fluids



product summary

The Q8 Brahms range is ever evolving with new technology so do be sure to contact your Q8Oils representative to discuss the most suitable product for your application.

	Application										ıls			Properties						
Q8 Brahms Product Type	General cold forming	Stamping	Thread rolling	Punching	Extrusion & cupping	Drawing	Tubes forming	Bending	Vanishing	Steel	Stainless steel & nickel alloys	Aluminium	Copper alloys	Lubricity	Active sulphur EP	Chlorine EP additive	Viscosity, cSt @ 40°C	Copper corrosion	Flash point, COC (°C)	
Q8 Brahms 2240	***	***		**	*	*				***	***	***	***	**			68	1	210	
Q8 Brahms 3110	**	*		***			*			**	**	**	**	*			15	1	132	
Q8 Brahms 3250	***	*		**	***	**	**	***		***	***	***	***	**			100	1	236	
Q8 Brahms 3260	***	*		**	***	**	**	***		***	***	***	***	**			150	1	240	
Q8 Brahms 3270	***	*		**	***	**	**	***		***	***	***	***	**			220	1	246	
Q8 Brahms 3330	**	***		**			*	**		**	**	***	**	*			46	1	124	
Q8 Brahms 4440	**	*	***	***	***	**	**	**		***	**	*		***	~		60	4	210	
Q8 Brahms 4550	***	***	***	***	***	**	**	**		***	***	**	**	***			100	1	232	
Q8 Brahms 4565	***	***	***	***	***	**	**	**		***	***	**	**	***			170	1	190	
Q8 Brahms 4838	**	***	*	**	*	*	*	*		**	**	**	**	***			72	1	200	
Q8 Brahms 5350	**	**	***	***	**	**		*		***	***	*		***	~	/	100	4	>200	
Q8 Brahms 5740	***	***	***	***	**	**	**	**		***	***	*		***	~		68	4	>200	
Q8 Brahms 5770	**	***	***	***	**	**	**	**		***	***	*		***	~		220	4	188	
Q8 Brahms 5790	**	***	***	***	**	**	**	**		***	***	*		***	~		420	4	194	
Q8 Brahms 6010	*	**		**	*	***	*	*		***	***			***		~	21	1	127	
Q8 Brahms 7002	*	**		***		*		*	***	**	**	***	**	*			3	1	140	
Q8 Brahms 8070	*	**		***			*	*		***	***			***		~	250	1	<200	

Q8 Brahms 9000 is a unique range of products that can be used neat or diluted with water depending on the severity of the application. These products are especailly suited for fast speed punching and blanking plus general forming applications and have the additional benefits of improved health and safety and are easily washed off.

	Base			Application										Properties			
Q8 Brahms Product Type	Mineral oil	Ester	Wax	General cold forming	Stamping	Thread rolling	Punching	Extrusion & cupping	Drawing	Tubes forming	Bending	Steel	Stainless steel & nickel alloys	Aluminium	Copper alloys	Lubricity	Viscosity, cSt @ 40°C
Q8 Brahms 9100	~			**	***		**					**	*	*	**	*	42
Q8 Brahms 9200	~			**	***		**	*		*		***	***	**	**	**	100
Q8 Brahms 9210		~		**	***		**	*		*		**	***	***	***	***	60
Q8 Brahms 9500			/	**	***		**	*		*		***	***	**	***	**	3



Q8 Brahms case studies



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Process



 Two-stage cold stamping applications)

• Steel fasteners 17MB5 Ø 5,5 (automotive

Materials



Customer requirements

• No decrease in performance Decreased exposure to harmful chemicals and levels of Benzo-a-Pyrene (BaP)

Cost effective product



Results

- 100% match in performance
- No decrease in performance
- More cost effective
- Reduced exposure to harmful chemicals (BaP and $HaP < 5\mu g/L$)



Process

• Fine blanking



Materials

• High Strength Steel (Thickness 7 mm)

Customer requirements

as chlorinated product

• No decrease in tool life

• Reduce fluid waste costs approx

Results

Saving €35K pa



Q8 Brahms **4838**

K K

Process



Cold stamping

• Steel 37CD4, 38CD4 (diameter 10-30 mm)

Customer requirements

• Decreased exposure to harmful chemicals and levels of Bezo-a-Pyrene (BaP)

current product

• Customer saving of €150K pa

• 10% higher productivity

• Cleaner machine and less maintenance

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Results

• Reduced exposure to harmful chemicals (BaP and HaP <5µg/L)