

Wear- and spareparts STM Waterjet Cutting Systems

Updated december 2008

Wear- and spareparts cutting valve / abrasive head / machine in general

Article-No.	Description	Hours	Specification	Quantity	
900630	Seal kit	1000	HP-cutting valve type III Alfi (HP-seal/back ring/valve needle)	1	W
901430	Seal kit	1000	HP-cutting valve type IV Alfi (HP-seal/back ring/valve needle)	1	W
900014	Removable seat	1000	HP-cutting valve type III + IV Alfi (can be turned over)	1	W
900047	collimation tube L=255mm		HP-cutting valve type III + IV Alfi		S
900077	cap		HP-cutting valve type III + IV Alfi		S
WJ070061/591	valve body		HP-cutting valve WJ070060/591 BHDT		S
WJ070068/593	collimation tube	4000	HP-cutting valve WJ070060/591 BHDT		W
OR0700020/151	O-Ring 70 x 2		HP-cutting valve WJ070060/591 BHDT		S
WJ070009/150	HP-seal	500	HP-cutting valve WJ070060/591 BHDT		W
OR0043024/151	O-Ring 4,3 x 2,4	500	HP-cutting valve WJ070060/591 BHDT		W
OR0140020/151	O-Ring 14 x 2		HP-cutting valve WJ070060/591 BHDT		S
WJ070005/551	valve stem	500	HP-cutting valve WJ070060/591 BHDT		W
WJ070003/168	valve seat	1000	HP-cutting valve WJ070060/591 BHDT		W
560285150/255	cup spring	2000	HP-cutting valve WJ070060/591 BHDT		W
TJ006069/591	body 6,0		abrasive head TWINJET TJ006070/591 mixing chamber		S
TJ006038/220	stud fitting	500	abrasive head TWINJET TJ006070/591 connection abrasive tube	1	W
DR012001/220	seal ring NW12		abrasive head TWINJET TJ006070/591	1	S
TJ006016/133	adjusting nut	1500	abrasive head TWINJET TJ006070/591 adjusting nut focussing tube br	1	W
TJ006017/256	collet 6,35 abrasive head	1500	abrasive head TWINJET TJ006070/591 collet for focussing tube	1	W
DR006001/220	seal ring NW6		abrasive head TWINJET TJ006070/591		S
DR014001/220	seal ring NW14		abrasive head TWINJET TJ006070/591		S
TJ006071/555	bushing abrasive head	1000	abrasive head TWINJET TJ006070/591 mixing chamber	1	W
D23M4x10/359	cylindrical screw with hexagobal bolt		abrasive head TWINJET TJ006070/591		S
ZA-SSCH-01	splash guard Z-axis	2000	waterjet machine in general	1	W
FAL-Z01	rubber bellow detection ring Z-axis	800	waterjet machine in general	1	W
ABR-VUL-200	Flex-splash guard for focus	250	waterjet machine in general	1	W
ABR-VUL-220	spare tube blue for flex-splash guard	250	waterjet machine in general	1	W
WSA/P/ST06-01	PA-tube 6/4x1mm, natural colour	800	waterjet machine in general	5	W
WSA/P/ST04-01	PA-tube 4x1mm, natural colour	800	waterjet machine in general (low pressure sensor)	1	W
WSA/P/T6-6-4/V2	T-fitting for low-pressure sensor D7962180	800	waterjet machine in general	1	W
DZ10-01G01	closing plug for pressure bin	800	waterjet machine in general	1	W
WSA/P/ST10-01	abrasive-conveying tube 10 mm red	800	waterjet machine in general (Abrasive-pressure-conveyance)	10	W
WS1885	grate clamp	5000	waterjet machine in general	4	W
AGD1050x800x30	diagonal grate	250	waterjet machine in general	6	W

Operating equipment abrasive cutting head

Article-No.	Description	Hours	Specification	Quantity	
WD/C/17	water nozzle-saphire 1815	25	Ø 0,15 mm	0	W
WD/C/25	water nozzle-saphire 1825	25	Ø 0,25 mm	0	W
WD/C/30	water nozzle-saphire 1830	25	Ø 0,30 mm	0	W
WD/C/35	water nozzle-saphire 1835	25	Ø 0,35 mm	1	W
FBO0635/05	focussing tube Boride	100	Ø 0,5 mm	0	W
FBO0635/06	focussing tube Boride	100	Ø 0,6 mm	0	W
FBO0635/08	focussing tube Boride	100	Ø 0,8 mm	0	W
FBO0635/10	focussing tube Boride	100	Ø 1,0 mm	1	W
FBO0635/12	focussing tube Boride	100	Ø 1,2 mm	0	W

Operating equipment pure waterjet cutting head

Article-No.	Description	Hours	Specification	Quantity	
WD/C/2715	water nozzle-saphire 2715	100	Ø 0,15 mm (pure water)	0	W
WD/C/2720	water nozzle-saphire 2720	100	Ø 0,20 mm (pure water)	0	W
WD/D/1820	water nozzle-diamond 1820	1000	Ø 0,20 mm (pure water)	0	W
WD/D/1825	water nozzle-diamond 1825	1000	Ø 0,25 mm (pure water)		W
WJ070132/593	pure water extension	1000	Inner part	0	W
WJ070263/593	pure water extension	1000	Exterior part	0	W

Wear parts high pressure pump

Article-No.	Description	Hours	Specification	Quantity	
XK121/220	piston sealing		Pressure intensifier	1	S
XF56/220	wear ring		Pressure intensifier	2	S
CP022066/220	plunger complete	4000	Pressure intensifier	2	W
S0375x3/103	retaining ring		Pressure intensifier	2	S
034858/220	O-Ring backring 97		Pressure intensifier	2	S
CP022009/779	HP cylinder	3000	Pressure intensifier	2	W
CP022010/527	bushing	800	Pressure intensifier (HP-kit Pos.26)	2	W
CP022011/150	sealing	800	Pressure intensifier (HP-kit Pos.27)	2	W
CP022012/780	back ring	800	Pressure intensifier (HP-kit Pos.28)	2	W
9704521/220	quadring	800	Pressure intensifier (HP-kit Pos.29)	2	W
CP022040/591	valve body		Pressure intensifier	2	S
K016/660	ball Ø 6	1700	Pressure and suction valve	4	W
XF97/220	spring	1700	Pressure and suction valve	4	W
CP022046/593	valve seat	1700	Pressure and suction valve	8	W
CP022042/593	lense	2000	Pressure and suction valve	4	W
CP022045/775	valve insert	2000	Pressure and suction valve	4	W
CP020052/220	safety bolt		Pressure and suction valve	4	S
CP022015/527	back ring	2000	Pressure intensifier (between valve body and cylinder)	2	W
XST17/220	rod sealing	1700	Pressure intensifier (sealing to oil part)	2	W
XF29/220	rod wear ring	1700	Pressure intensifier (sealing to oil part)	4	W
XN5/220	Initiator	4000	Pressure intensifier	2	W

Wear parts high pressure pump

Article-No.	Description	Hours	Specification	Quantity	
WJ055017/220	impact plate		jet-catcher	1	S
OR0120030/151	O-Ring 12x3		jet-catcher	1	S
WJ055013/591	valve body		release valve		S
WJ055003/168	valve seat	4000	release valve	1	W
WJ070005/551	valve needle	2000	release valve	1	W
WJ070009/150	HP-sealing	2000	release valve	1	W
OR0043024/151	O-Ring 4,3 x 2,4	2000	release valve	1	W
OR0490030/151	O-Ring 49 x 3	3000	release valve	1	W
XS92/089	back ring	3000	release valve	1	W
WJ055010//256	bushing		release valve	1	W
XF32/220	filter element 1,2 µm	2000	Filter element water filter (lifetime depends on water quality)	1	W
XF58/220	filter element 5 µm	2000	Filter element water filter (lifetime depends on water quality)	1	W

Cleaning and lubricant equipment

Article-No.	Description	Hours	Specification	Quantity	
WS-Schmier-Spray	all-purpose oil WD40 400 ml	3000	Cleaning for all roll-on and sliding guidings		S
WS-Interflon-SF	Fin Super Teflonspray 300 ml	3000	care of sliding guidings		S
WS-Antisize-SF	Anti-Seize Paste	3000	lubrication solvent for all stainless steel parts		S
WS-OKS1155/220	Silicone grease OKS 1155 125 ml	3000	assembling grease for all sealings		S