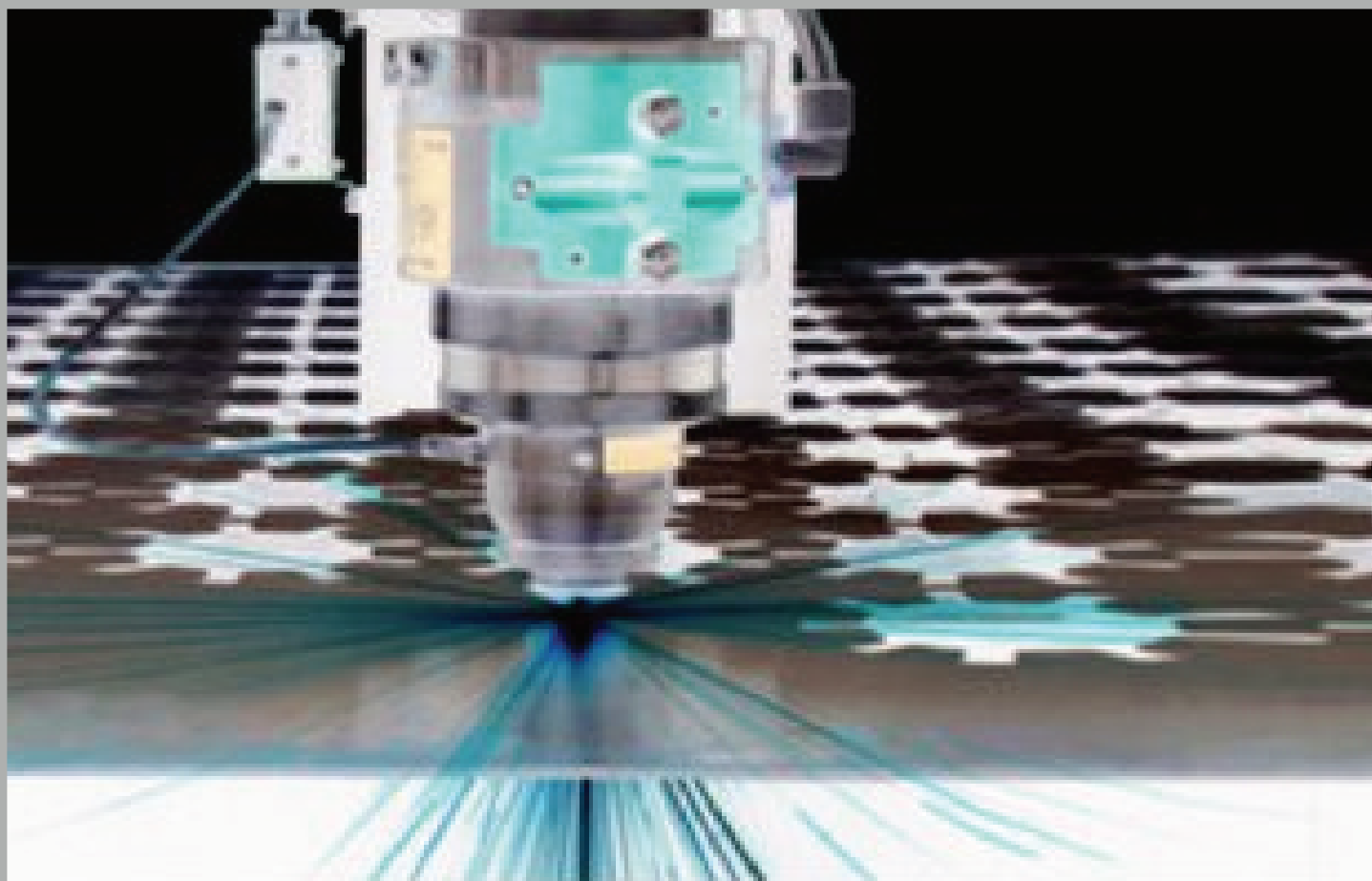


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# **Recambios y Componentes Láser**

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# AMADA® NOZZLES

Double Nozzle ECO CUT	Double Nozzle WACS	Nozzle ECO CUT	Double Nozzle Special Chrome CLEAN CUT	Double Nozzle Special Chrome CLEAN CUT	Double Nozzle Special Chrome CLEAN CUT
					
1AF114 Ø1.4E	1AF314 Ø1.4W	1AF124 ØS1.4	1AF025 Ø2.5CC	1AF250 Ø5.0OCC	1AF215 Ø1.5
<b>1AF125 Ø2.5</b>	<b>1AF317 Ø1.7W</b>	<b>1AF115 ØS1.5</b>	<b>1AF240 Ø4.0CC</b>	<b>1AF260 Ø6.0OCC</b>	<b>1AF220 Ø2.0</b>
1AF131 Ø3.0	1AF320 Ø2.0W	1AF120 ØS2.0		1AF270 Ø7.0OCC	1AF225 Ø2.5
<b>1AF140 Ø4.0</b>	<b>1AF325 Ø2.5W</b>	<b>1AF130 ØS3.0</b>			<b>1AF230 Ø3.0</b>
	1AF340 Ø4.0W				
	<b>1AF350 Ø5.0W</b>				







Double Nozzle	Nozzle WACS	Nozzle ECO CUT	Double Nozzle SC SILKY CUT	Double Nozzle AL CC	Double Nozzle
					
1AF141 Ø4.0AL	1AF312 ØS1.2W	1AF112 ØS1.2E	1AF271 Ø7.0	1AF272 Ø7.0	1AF420 Ø2.0F
					<b>1AF425 Ø2.5F</b>




Nozzle Type "S" FE	Fiber Nozzle Type "S" FE	Fiber Nozzle Type "S" FE w/Collar	Double Nozzle w/Holes	Double Nozzle w/Holes	Fiber Nozzle
					
1AF408 Ø0.8	1AF508 Ø0.8	1AF508C Ø0.8	1AM113 Ø1.4	1AM250 Ø2.5	1AF513 Ø1.2FE
<b>1AF410 Ø1.0</b>	<b>1AF510 Ø1.0</b>	<b>1AF510C Ø1.0</b>	<b>1AM117 Ø1.7</b>	<b>1AM240 Ø4.0</b>	
1AF412 Ø1.2	1AF512 Ø1.2	1AF512C Ø1.2	1AM120 Ø1.2		
<b>1AF414 Ø1.4</b>	<b>1AF514 Ø1.4</b>	<b>1AF514C Ø1.4</b>	<b>1AM125 Ø2.5</b>		
	1AF517 Ø1.7	<b>1AF517C Ø1.7</b>	<b>1AM140 Ø4.0</b>		
	<b>1AF520 Ø2.0</b>	1AF520C Ø2.0	1AM150 Ø5.0		

Nozzle	Nozzle Adaptor 9AM420	Nozzle Adaptor 9AF201	Inner Part 9AF204	Teflon Holder 9AF200
				
1AF720 Ø2.0	Ref. 71502036	Ref. 71712350	Ref. 71716438	Ref. 7973497
		<b>Ref. 7973459</b>	<b>Ref. 71798350</b>	<b>Ref. 71712349</b>
			Ref. 71563339	

AMADA®

# AMADA® NOZZLES & SPARE PARTS

F/O Nozzle	Double F/O Nozzle	Nozzle Type "S"	Nozzle	Double Nozzle	Double Nozzle
					
1AM750 Ø0.8	1AM978 Ø1.2	1AM808V Ø0.8	1AM108 Ø0.8	1AM114 Ø1.4	1AM164 Ø4.0
<b>1AM751 Ø1.0</b>	<b>1AM754 Ø1.4</b>	<b>1AM810V Ø1.0</b>	<b>1AM110 Ø1.0</b>		<b>1AM165 Ø5.0</b>
1AM755 Ø1.2	1AM817 Ø1.7	1AM812V Ø1.2	1AM112 Ø1.2		1AM166 Ø6.0
<b>1AM982 Ø1.4</b>	<b>1AM825 Ø2.0</b>	<b>1AM814V Ø1.4</b>			
1AM757 Ø1.5	1AM826 Ø2.5	1AM815V Ø1.5			
<b>1AM717 Ø1.7</b>	<b>1AM980 Ø3.0</b>	<b>1AM817V Ø1.7</b>			
1AM983 Ø2.0	1AM981 Ø4.0	1AM820V Ø2.0			
<b>1AM988 Ø2.5</b>	<b>1AM986 Ø5.0</b>	<b>1AM823V Ø2.3</b>			
1AM984 Ø3.0	1AM987 Ø6.0	1AM830V Ø3.0			
<b>1AM985 Ø4.0</b>					




Nozzle	Double Nozzle	Double Nozzle
		
1AM467 Ø1.0	1AM736P Ø1.0	1AM410P Ø1.0
<b>1AM769 Ø1.2</b>	<b>1AM737P Ø1.2</b>	<b>1AM412P Ø1.2</b>
1AM371 Ø1.5	1AM738P Ø1.5	1AM414P Ø1.4
<b>1AM385 Ø2.0</b>	<b>1AM439P Ø2.0</b>	<b>1AM739P Ø1.5</b>
1AM608 Ø2.5	1AM485P Ø2.5	1AM417P Ø1.7
<b>1AM386 Ø3.0</b>	<b>1AM438P Ø3.0</b>	<b>1AM422P Ø2.0</b>
1AM638 Ø3.5	1AM437P Ø3.5	1AM430P Ø2.5
<b>1AM639 Ø4.0</b>	<b>1AM500P Ø4.0</b>	<b>1AM429P Ø3.0</b>
		1AM431P Ø3.5
		<b>1AM933P Ø4.0</b>

<b>Insulating Vespel Ring 5AM304</b> 	<b>Insulating Cermic Ring 5AB304</b> 	<b>Insulating Disc 5AM305</b> 	<b>Insulating Disc 5AM310</b> 	<b>Scale Loupe Focus Centering 9AB024</b> 
Ref. 71341614	Ref. 5AB304	Ref. 71341614A	Ref. 5AM310	Ref. 9AB024
<b>O-Ring Water-Head Nozzles 5AM424</b> 	<b>O-Ring 5AM230</b> 	<b>Guard Ring 5AM472</b> 	<b>Guard Nut 9AM679</b> 	<b>Outer Nozzle Water-Head 9AM423</b> 
Ref. 71366453	Ref. 71366453	Ref. 71366437	Ref. 71366438	Ref. 71366452

# AMADA® LENS, SPARE PARTS & MAINTENANCE

FO	FO NT	F1
		
Lens Mount Ø1.5" FL5" / FL7.5" 9AM879	Lens Mount FL5" 9AM219	Lens Mount FL7.5" 9AM075
	Lens Mount FL7.5" 9AM220	

	
Lens P/CX FL5.0" Ø1.5" ET 7.6mm	Lens P/CX FL5.0" Ø2.0" ET 9.6mm
Lens P/CX FL7.5" Ø1.5" ET 7.6mm	Lens P/CX FL7.5" Ø2.0" ET 9.6mm







<b>Head Plug Sensor Cable 9AM099</b> 	<b>Sensor Cable HS 15 9AM015</b> 	<b>Sensor Cable 9AM09</b> 
Ref. 71341630	Ref. 71398965	Ref. 71341630
	Ref. 71341901	



<b>Leybold Vacuum Filter 9AM816</b> 	<b>Fanuc Turbine Liquid 200ml. 9AM101/ *Compatible Version 9AB101</b> 	<b>SA-H Vacuum Pump 2lt. 9AB099</b> 
Ref. A98L-0001-911	Ref. A04B-0800-K329-1	Ref. A98L-0040-0093
Ref. 74363236	Ref. 71220332	



On request we can supply bellows for Amada Lasers







Bajo petición podemos suministrar fuelles para Láser Amada


Nozzle	HV Nozzle	HV Nozzle	Nozzle W/Radius	Nozzle 8 Holes	Nozzle 24 Holes
					
1AM415 Ø1.5	1AM211 Ø1.0	1AM317 Ø1.7	1AM313 Ø1.0	1AM517 Ø1.5	1AM518 Ø1.5
<b>1AM417 Ø1.7</b>	<b>1AM226 Ø2.5</b>			<b>1AM519 Ø2.0</b>	<b>1AM521 Ø2.0</b>
1AM420 Ø2.0	1AM231 Ø3.0				
<b>1AM425 Ø2.5</b>					
1AM430 Ø3.0					
<b>1AM435 Ø3.5</b>					
1AM232 Ø4.0					



HV Nozzle W/Radius	Outer Nozzle
	
1AM311 Ø1.2	1AM302 Ø1.7
	<b>1AM303 Ø2.0</b>
	1AM304 Ø2.5
	<b>1AM305 Ø3.0</b>
	1AM306 Ø4.0

Nozzle Nut H. 15mm 9AM200	Nozzle Nut Fast Ø1.7 1AM217	Shield Cup H. 22.9mm 9AM522	Outer Nozzle 9AM266	Outer Nozzle Ø4.0 1AM270	Compatible Nozzle Holder 5AM299V
					
Ref. BQ933D94H01	Ref. BQ023D020H01	Ref. BQ933D221H04	Ref. BQ933D044H01	Ref. 71802197	Ref. 5AM299V
Ref. Amada 71800026	Ref. Amada 7180015400	Ref. Amada 71800027	Ref. Amada 71800101		

O-Ring Nozzle 5OR333	Pin 9AF203	Screw for Head 9AM019	Breakaway Pin 9AM018	
				
Ref. 5OR333	Ref. 71712344	Ref. 71800008	Ref. 71800009	Lens P/CX FL5.0" Ø1.5"
				<b>Lens P/CX FL7.5" Ø1.5"</b>
				Lens Clear Magic P/CX FL5.0" Ø1.5"
				<b>Lens Clear Magic P/CX FL7.5" Ø1.5"</b>

Nozzle 2D	Nozzle 2D HP	Nozzle TAK KN	Tapered Nozzle Tip	Nozzle Con. STD	Nozzle TLC 105
					
1TF544 Ø1.0	1TF402 Ø0.8	1TF681 Ø1.0	1TF420 Ø1.0	1TF553 Ø1.0	1TF514 Ø1.4
<b>1TF883 Ø1.2</b>	<b>1TF403 Ø1.0</b>	<b>1TF688 Ø1.2</b>	<b>1TF419 Ø1.4</b>	<b>1TF379 Ø1.4</b>	<b>1TF517 Ø1.7</b>
1TF211 Ø1.5	1TF412 Ø1.2	1TF703 Ø1.5	1TF364 Ø1.7	1TF551 Ø1.7	
<b>1TF557 Ø1.7</b>	<b>1TF404 Ø1.4</b>	<b>1TF725 Ø1.8</b>			
1TF558 Ø2.0	1TF676 Ø1.7	<b>1TF767 Ø2.0</b>			
<b>1TF223 Ø2.3</b>	<b>1TF882 Ø2.3</b>				
1TF555 Ø3.0					





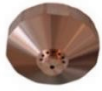
Nozzle TLC 1005

1TF975 Ø0.8
<b>1TF366 Ø1.0</b>
1TF362 Ø1.2
<b>1TF367 Ø1.4</b>
1TF977 Ø1.7
<b>1TF978 Ø2.0</b>
1TF976 Ø2.3



	
Lens P/MN FL5.0" Ø1.5" Ref. 088114	Lens P/MN FL5.0" Ø1.5" Black Magic
Lens P/MN FL7.5" Ø1.5" Ref. 097517	Lens P/MN FL7.5" Ø1.5" Black Magic

<b>Ceramic Part 5AB936678</b> 	<b>Scale Loup Focus Centering 9AB024</b> 	<b>Sensor Cable 190mm 9TF694</b> 
Ref. 936678	Ref. 9AB024	Ref. 245288

<b>Sensor Body M1.5" KN</b> 	<b>Ceramic Part Precitec M1.5" KN</b> 	<b>Seal Ceramic Part M1.5" KN</b> 	<b>Nut Ceramic KN</b> 
Ref. P0494-756-Q0001	Ref. P0494-752-00001	Ref. P0494-758-00001	Ref. P0494-940-00001

# TRUMPF® 2D NOZZLES

Nozzle EAA	Nozzle EAA Double	Nozzle W/Radius	Nozzle EAQ Double	Nozzle EFL
				
1TF908 Ø0.8	1TF308 Ø0.8	1TF008 Ø0.8	1TF760 Ø6.0	1TF714 Ø1.4
<b>1TF910 Ø1.0</b>	<b>1TF310 Ø1.0</b>	<b>1TF010 Ø1.0</b>	<b>1TF775 Ø7.5</b>	<b>1TF717 Ø1.7</b>
1TF912 Ø1.2	1TF312 Ø1.2	1TF012 Ø1.2	1TF795 Ø9.5	1TF720 Ø2.0
<b>1TF914 Ø1.4</b>	<b>1TF314 Ø1.4</b>	<b>1TF014 Ø1.4</b>		<b>1TF723 Ø2.3</b>
1TF917 Ø1.7	1TF317 Ø1.7	1TF017 Ø1.7		
<b>1TF920 Ø2.0</b>	<b>1TF320 Ø2.0</b>	<b>1TF020 Ø2.0</b>		
1TF923 Ø2.3	1TF322 Ø2.3	1TF023 Ø2.3		
<b>1TF927 Ø2.7</b>	<b>1TF327 Ø2.7</b>	<b>1TF027 Ø2.7</b>		

E.C.E. Nozzle	E.C.E. Chromed Nozzle
	
1TF037 Ø0.8	1TF037T Ø0.8
<b>1TF038 Ø1.0</b>	<b>1TF038T Ø1.0</b>
1TF786 Ø1.2	1TF786T Ø1.2
<b>1TF121 Ø1.4 int. Cil.</b>	<b>1TF121T Ø1.4 int. Cil.</b>
1TF046 Ø1.4 int. V	1TF046T Ø1.4 int. V
<b>1TF125 Ø1.5</b>	<b>1TF125T Ø1.5</b>
1TF047 Ø1.7 HD	1TF047T Ø1.7 HD
<b>1TF126 Ø2.0</b>	<b>1TF126T Ø2.0</b>
1TF123 Ø2.0 HD	1TF123T Ø2.0 HD
<b>1TF128 Ø2.3</b>	<b>1TF128T Ø2.3</b>
1TF127 Ø2.3 HD	1TF127T Ø2.3 HD
<b>1TF745 Ø2.7</b>	<b>1TF745T Ø2.7</b>
1TF880 Ø3.0	1TF880T Ø3.0
<b>1TF124 Ø3.0 HD</b>	<b>1TF124T Ø3.0 HD</b>




# TRUMPF® DIAS III LASERS SYSTEMS

<b>Ceramic Part 5AB400</b> 	<b>Teflon Cover 9TF409</b> 	<b>Teflon Cover 9TF306</b> 
Ref. 260432	Ref. 256153	Ref. 254496

<b>Breakaway Nut 9TF724</b> 	<b>Genuine Cartridge Water Filter 9TF0146152</b> <b>*Compatible Version 9AB0146152</b> 	<b>Panel Filter 9AB600</b> 
Ref. 234485	Ref. 146152	Ref. 0345064
	<b>Ref. 9AB0146152</b>	

<b>Teflon Seal 5TF410</b> 	<b>Repair Service DIAS III Sensor</b> 	<b>NALCO Additive Set 9TF370000</b> 
Ref. 135140		Ref. 370000

<b>Scale Loupe Focus Centering 9AB024</b> 	<b>Easy Kit 9TF2605</b> 	<b>Easy Kit 9TF3112</b> 
Ref. 9AB024	Ref. 1652605	Ref. 1653112

	
Lens P/MN FL5.0" Ø1.5" Ref. 088114	Lens P/MN FL5.0" Ø1.5" Black Magic
Lens P/MN FL7.5" Ø1.5" Ref. 097517	Lens P/MN FL7.5" Ø1.5" Black Magic



On request we can supply bellows for Trumf Lasers

Bajo petición podemos suministrar fuelles para Láser Trumf

TRUMPF®



# TRUMPF® BOSCH® LASERS SYSTEMS

<p><b>Teflon Cover 9TF042</b></p> 	<p><b>Teflon Cover 9TF408</b></p> 	<p><b>Teflon Seal 5TF410</b></p> 
Ref. 216065	Ref. 225286	Ref. 135410

<p><b>Genuine Ceramic Part 5TF128 *Compatible Ceramic Part 5AB128</b></p> 	<p><b>Genuine Cartridge Water Filter 9TF0146152 *Compatible Version 9AB0146152</b></p> 	<p><b>Panel Filter 9AB600</b></p> 
Ref. 258809	Ref. 146152	Ref. 0345064
<b>Ref. 5AB128</b>	<b>Ref. 9AB0146152</b>	

<p><b>Nut for Ceramic Part 4TF2112</b></p> 	<p><b>Breakaway Nut 9TF724</b></p> 	<p><b>Sensor Cable 9TF690</b></p> 
Ref. 216066	Ref. 234485	Ref. 85869

<p><b>Nalco Additive Set 9TF370000</b></p> 	<p><b>Scale Loupe Focus Centering 9AB024</b></p> 	<p><b>Easy Kit 9TF2605</b></p> 	<p><b>Easy Kit 9TF3112</b></p> 
Ref. 370000	Ref. 9AB024	Ref. 1652605	Ref. 1653112



	
Lens P/MN FL5.0" Ø1.5" Ref. 088114	Lens P/MN FL5.0" Ø1.5" Black Magic
Lens P/MN FL7.5" Ø1.5" Ref. 097517	Lens P/MN FL7.5" Ø1.5" Black Magic



On request we can supply bellows for Trumpf Lasers

Bajo petición podemos suministrar fuelles para Láser Trumpf

# TRUMPF® CO<sub>2</sub> L20 HEAD







<b>Ceramic Part 5AB971</b> 	<b>Ceramic Part Auto Nozzle Exchange 5AB55673</b> 
Ref. 1349171	Ref. 1755673







<b>Cleaning Maintenance Optic Kit 9AB666</b> 	<b>Cleaning Maintenance Protection Glass Kit 9AB667</b> 	<b>Protection Glass Fiber 9AB4767</b> 
Ref. 9AB666	Ref. 9AB667	Ref. 1614767

	
Lens P/MN FL130" Ø40" Ref. 0380117	Lens P/MN FL130" Ø40" Ref. 1772319 with Chip
<b>Lens P/MN FL250" Ø40"</b> <b>Ref. 0380115</b>	<b>Lens P/MN FL250" Ø40"</b> <b>Ref. 1770805 with Chip</b>
Lens P/MN FL175" Ø50"	Lens P/MN FL175" Ø50 Ref. 1330448 with Chip
<b>Lens P/MN FL250" Ø50"</b>	<b>Lens P/MN FL250" Ø50</b> <b>Ref. 1330443 with Chip</b>
Lens P/MN FL155" Ø40 Ref. 1383925	Lens P/MN FL170" Ø50" with Chip

**TRUMPF®**

# BYSTRONIC® NOZZLES

Spherical-Tip H Nozzle	Conical-Tip H Nozzle	HK Nozzle	HK Chromed Nozzle	NK Nozzle	NK Chromed Nozzle
					
1BS035 Ø0.8 H	1BS172 Ø1.0 H	1BS024 Ø0.8	1BS024T Ø0.8	1BS730 Ø1.0	1BS730T Ø1.0
<b>1BS031 Ø1.0 H</b>	<b>1BS020 Ø1.2 H</b>	<b>1BS028 Ø1.0</b>	<b>1BS028T Ø1.0</b>	<b>1BS731 Ø1.2</b>	<b>1BS731T Ø1.2</b>
1BS033 Ø1.2 H	1BS023 Ø1.5 H	1BS032 Ø1.2	1BS032T Ø1.2	1BS777 Ø1.5	1BS777T Ø1.5
<b>1BS030 Ø1.5 H</b>	<b>1BS248 Ø1.7 H</b>	<b>1BS025 Ø1.5</b>	<b>1BS025T Ø1.5</b>	<b>1BS732 Ø1.7</b>	<b>1BS732T Ø1.7</b>
1BS034 Ø1.7 H	1BS164 Ø2.0 H	1BS144 Ø1.7	1BS144T Ø1.7	1BS733 Ø2.0	1BS733T Ø2.0
<b>1BS040 Ø2.0 H</b>	<b>1BS168 Ø2.3 H</b>	<b>1BS163 Ø2.0</b>	<b>1BS163T Ø2.0</b>	<b>1BS734 Ø2.5/1.5</b>	<b>1BS734T Ø2.5/1.5</b>
1BS041 Ø2.5 H	1BS165 Ø2.5 H	1BS154 Ø2.5	1BS154T Ø2.5	1BS734/20 Ø2.5/2.0	1BS734/20T Ø2.5/2.0
<b>1BS042 Ø3.0 H</b>		<b>1BS345 Ø3.0</b>	<b>1BS345T Ø3.0</b>	<b>1BS826 Ø3.0/2.0</b>	<b>1BS826T Ø3.0/2.0</b>
		1BS772 Ø3.5	1BS772T Ø3.5	1BS826/20 Ø3.0/2.0	1BS826/20T Ø3.0/2.0
		<b>1BS773 Ø4.0</b>	<b>1BS773T Ø4.0</b>	<b>1BS827 Ø3.5</b>	<b>1BS827T Ø3.5</b>

Spherical-Tip Nozzle	Conical-Tip Nozzle	K Nozzle	K Chromed Nozzle	HK Nozzle Autom. Exchange	NK Nozzle Autom. Exchange
					
1BS208 Ø0.8	1BS308 Ø0.8	1BS027 Ø0.8	1BS027T Ø0.8	1BS408 Ø0.8	1BS510 Ø1.0/15
<b>1BS026 Ø1.0</b>	<b>1BS364 Ø1.0</b>	<b>1BS160 Ø1.0</b>	<b>1BS160T Ø1.0</b>	<b>1BS410 Ø1.0</b>	<b>1BS512 Ø1.2/15</b>
1BS029 Ø1.2	1BS167 Ø1.2	1BS143 Ø1.2	1BS143T Ø1.2	1BS412 Ø1.2	1BS515 Ø1.5/15
<b>1BS157 Ø1.5</b>	<b>1BS021 Ø1.5</b>	<b>1BS153 Ø1.5</b>	<b>1BS153T Ø1.5</b>	<b>1BS415 Ø1.5</b>	<b>1BS517 Ø1.7/15</b>
1BS158 Ø1.7	1BS317 Ø1.7	1BS142 Ø1.7	1BS142T Ø1.7	1BS417 Ø1.7	1BS520 Ø2.0/15
<b>1BS159 Ø2.0</b>	<b>1BS320 Ø2.0</b>	<b>1BS156 Ø2.0</b>	<b>1BS156T Ø2.0</b>	<b>1BS420 Ø2.0</b>	<b>1BS525 Ø2.5/15</b>
1BS161 Ø2.5		1BS406 Ø2.5	1BS406T Ø2.5	1BS425 Ø2.5	1BS525/20 Ø2.5/20
		<b>1BS977 Ø3.0</b>	<b>1BS977T Ø3.0</b>	<b>1BS430 Ø3.0</b>	<b>1BS530 Ø3.0/17</b>
				1BS435 Ø3.5	1BS530/20 Ø3.0/20
					<b>1BS535/30 Ø3.5/30</b>

**BYSTRONIC®**

# BYSTRONIC® BYLAS LASER

BYSTRONIC®



<p><b>Brass Screw 9BS018</b></p> 	<p><b>Insulating Ceramic 5BS200</b></p> 	<p><b>Protection Disc 9BS904</b></p> 
Ref. 4-00324	Ref. 4-01642	Ref. 3-03663-C

<p><b>Male Water Connector Head 9BS207</b></p> 	<p><b>Female Water Connector Head 9BS208</b></p> 	<p><b>Screw Kit for Signboard (3pcs.) 9BS911</b></p> 
Ref. 7023207	Ref. 7023208	Ref. 9BS911

<p><b>Nozzle Holder 9BS993</b></p> 	<p><b>Teflon Disc 5BS905</b></p> 	<p><b>Conical Ceramic 5BS201</b></p> 
Ref. 3-02291	Ref. 3-039663-T	Ref. 4-01959






<p><b>Mechanical Feeler 2X Threaded Holes 9BS029</b></p> 	<p><b>Brass Pin 9BS298</b></p> 	<p><b>Knurled Screw 9BS297</b></p> 
Ref. 2-01262	Ref. 4-03137	Ref. 4-03136

<p><b>Scale Loupe Focus Centering 9AB024</b></p> 	<p><b>Maintenance Kit 2000H Leybold 300 9BS925</b></p> 	<p><b>Repair Service on Bystronic Head</b></p> 
Ref. 9AB024	Ref. 9BS925	

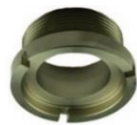
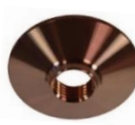


	
Lens FL5.0" Ø1.5" Ref. 4-00186	Lens FL5.0" Ø1.5" Black Magic
Lens FL7.5" Ø1.5" Ref. 4-00187	Lens FL7.5" Ø1.5" Black Magic


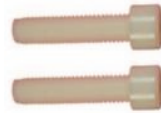




# BYSTRONIC® BYSPRINT & BYSTAR LASER

<b>Insulating Ceramic 5BS200</b>  Ref. 4-01642	<b>Conical Ceramic 5BS201</b>  Ref. 4-01959	<b>Insulating Ceramic 5BS838</b>  Ref. 10032838	<b>Insulating Ceramic 5BS202</b>  Ref. 4-09010	<b>Complete Protection Disc 9BS903</b>  Ref. 3-06035
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<b>Nozzle Body 9BS260</b>  Ref. 3-05497	<b>Nozzle Body 9BS763</b>  Ref. 2-08701	<b>Nozzle Body 9BS030</b>  Ref. 10032930	<b>Nozzle Body 9BS032</b>  Ref. 10034061	<b>Nozzle Body 9BS031</b>  Ref. 10064099
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<b>Fastening Nut 9BS790</b>  Ref. 3-11071	<b>Fastening Nut 9BS839</b>  Ref. 10032839	<b>Protection Shield 9BS765</b>  Ref. 2-08700	<b>Cross Jet Screw 9BS881</b>  Ref. 9BS881	<b>Connector Male 9BS207</b>  Ref. 7023207	<b>Connector Female 9BS208</b>  Ref. 7023208
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<b>Brush for Nozzle 9BS882</b>  Ref. 2-06511	<b>Plastic Screws for Brush (2pcs) 9BS883</b>  Ref. 333884
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 Lens P/MN FL5.0" Ø1.5" Ref. 4-05094	 Lens FL5.0" Ø1.5" Black Magic Ref. 4-07475
<b>Lens P/MN FL7.5" Ø1.5"</b> <b>Ref. 4-05095</b>	<b>Lens FL7.5" Ø1.5" Black Magic</b> <b>Ref. 4-07476</b>
Lens MP5 FL5.0" Ø1.5" Ref. 4-07475	
<b>Lens MP5 FL7.5" Ø1.5"</b> <b>Ref. 4-07476</b>	


**BYSTRONIC®**

# BYSTRONIC® BYSPEED LASER

BYSTRONIC®

<p><b>Ceramic Part 5BS901</b></p> 	<p><b>Ceramic Part 5BS900</b></p> 	<p><b>Screw 9BS906</b></p> 
Ref. 3-13113-1	Ref. 3-13422	Ref. 4-04976

<p><b>Nozzle Body 9BS992</b></p> 	<p><b>Proteccion Nut 9BS907</b></p> 	<p><b>Scale Loupe Focus Centering 9AB024</b></p> 
Ref. 2-10837	Ref. 3-13110	Ref. 9AB024

<p><b>Brush for Nozzle 9BS882</b></p> 	<p><b>Plastic Screws for Brush (2 pcs) 9BS883</b></p> 	<p><b>Cleaning Maintenance Optic Kit 9AB666</b></p> 
Ref. 2-06511	Ref. 333884	Ref. 9AB666



		
<p>Lens MP5 FL5.0" Ø1.5" Ref. 4-07475</p>	<p>Lens FL5.0" Ø1.5" Black Magic Ref. 4-07475</p>	<p>Lens Stress Visualizer 9AB015 Ref. 9AB015</p>
<p>Lens MP5 FL7.5" Ø1.5" Ref. 4-07476</p>	<p>Lens FL7.5" Ø1.5" Black Magic Ref. 4-07476</p>	





On request we can supply bellows for Bystronic Lasers  
 Bajo petición podemos suministrar fuelles para Láser Bystronic

<p><b>Protection Glass Fiber 9AB2851</b></p>  <p>Ref. 10045746</p>	<p><b>Cleaning Maintenance Kit Protection Glass 9AB667</b></p>  <p>Ref. 9AB667</p>	<p><b>Scale Loupe Focus Centering 9AB024</b></p>  <p>Ref. 9AB024</p>
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<p><b>Cleaning Papers 9IF150</b></p>  <p>Ref. 9IF150</p>	<p><b>Cleaning Sticks (50 pcs) 9AB316</b></p>  <p>Ref. 9AB316</p>	<p><b>Isopropyl Alcohol 9AB376</b></p>  <p>Ref. 9AB376</p>
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<p><b>Mocap Sticker Set Outlet Covering 9NP042</b></p>  <p>Ref. PBVM0-042-878K</p>	<p><b>Dust Remove 9AB664</b></p>  <p>Ref. 9AB664</p>
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<p><b>Laser Protection Glasses Fiber 9UN674</b></p>  <p>Ref. 9UN674</p>	<p><b>Laser Protection Glasses Fiber Profesional Service 9UN675</b></p>  <p>Ref. 9UN675</p>
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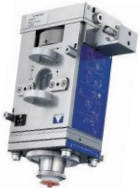






**FIBER LASERS**



<p><b>Procutter Head</b></p> 	<p><b>HP SSL Head</b></p> 	<p><b>Light Cutter Head</b></p> 
<p>Adige-Danobat-Ermaksan</p>	<p>Adige-Cutlite Penta-Danobat-Ermaksan-LVD</p>	

<p><b>Sensor Insert SE HC</b></p> 	<p><b>Sensor Insert DZ/S</b></p> 
<p>Ref. P0464-200-00001</p>	<p>Ref. P0380-130-00001</p>
<p><b>Salvagnini Lasers</b></p>	<p><b>Salvagnini Lasers</b></p>





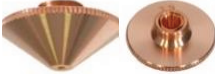
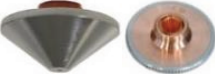
**CO<sub>2</sub> LASERS**






<p><b>HP 1.5" Head</b></p> 	<p><b>HP 1.5" M Head</b></p> 	<p><b>M 1.5" KN Head</b></p> 
<p>Adige-Cutlite Penta-Tecnimetal</p>	<p>Adige-Adira-Balliù-Cutlite Penta-SHT</p>	<p>Adige-Cutlite Penta</p>

<p><b>DS 1.5" Head</b></p> 	<p><b>M 1.5" DXN Head</b></p> 
<p>Adige LT8</p>	<p>Adige-Balliù</p>

<p><b>Sensor Insert SE HC</b></p> 	<p><b>Sensor Insert DZ/S</b></p> 
<p>Ref. P0464-200-00001</p>	<p>Ref. P0380-130-00001</p>
<p><b>Salvagnini Lasers</b></p>	<p><b>Salvagnini Lasers</b></p>






# PRECITEC® NOZZLES





Precitec® HP/N Nozzle 	Compatible HP/N Nozzle 	Compatible HP/N Chromed Nozzle 	Precitec® Double HP/N Nozzle 	Compatible Double HP/N Nozzle 	Compatible Double Chromed HP/N Nozzle 
1NP308 Ø0.8	1AS308 Ø0.8	1AS308T Ø0.8	1NP944 Ø1.0	1AS944 Ø1.0	1AS944T Ø1.0
<b>1NP381 Ø1.0</b>	<b>1AS381 Ø1.0</b>	<b>1AS381T Ø1.0</b>	<b>1NP940 Ø1.2</b>	<b>1AS940 Ø1.2</b>	<b>1AS940T Ø1.2</b>
1NP382 Ø1.2	1AS382 Ø1.2	1AS382T Ø1.2	1NP941 Ø1.5	1AS941 Ø1.5	1AS941T Ø1.5
<b>1NP383 Ø1.5</b>	<b>1AS383 Ø1.5</b>	<b>1AS383T Ø1.5</b>	<b>1NP946 Ø1.8</b>	<b>1AS946 Ø1.8</b>	<b>1AS946T Ø1.8</b>
1NP396 Ø1.8	1AS396 Ø1.8	1AS396T Ø1.8	1NP942 Ø2.0	1AS942 Ø2.0	1AS942T Ø2.0
<b>1NP397 Ø2.0</b>	<b>1AS397 Ø2.0</b>	<b>1AS397T Ø2.0</b>	<b>1NP947 Ø2.3</b>	<b>1AS947 Ø2.3</b>	<b>1AS947T Ø2.3</b>
1NP414 Ø2.5	1AS399 Ø2.3	1AS399T Ø2.3	1NP943 Ø2.5	1AS943 Ø2.5	1AS943T Ø2.5
<b>1NP640 Ø3.0</b>	<b>1AS414 Ø2.5</b>	<b>1AS414T Ø2.5</b>	<b>1NP950 Ø3.0</b>	<b>1AS950 Ø3.0</b>	<b>1AS950T Ø3.0</b>
1NP826 Ø4.0	1AS641 Ø2.75	1AS641T Ø2.75	1NP680 Ø3.5	1AS680 Ø3.5	1AS680T Ø3.5
<b>1NP642 Ø5.0</b>	<b>1AS640 Ø3.0</b>	<b>1AS640T Ø3.0</b>		<b>1AS951 Ø4.0</b>	<b>1AS951T Ø4.0</b>
	1AS825 Ø3.5	1AS825T Ø3.5		1AS952 Ø4.5	1AS952T Ø4.5
	<b>1AS826 Ø4.0</b>	<b>1AS826T Ø4.0</b>		<b>1AS953 Ø5.0</b>	<b>1AS953T Ø5.0</b>
	1AS712 Ø4.5	1AS712T Ø4.5			
	<b>1AS642 Ø5.0</b>	<b>1AS642T Ø5.0</b>			

Precitec® HP Nozzle 	Compatible HP Nozzle 	Compatible Double HP Nozzle 	Precitec® HP XY Nozzle 	Compatible HP XY Nozzle 
1NP345 Ø0.8	1AS345 Ø0.8	1AS848 Ø0.8	1NP515 Ø1.5	1AS510 Ø1.0
<b>1NP010 Ø1.0</b>	<b>1AS346 Ø1.0</b>	<b>1AS840 Ø1.0</b>	<b>1NP518 Ø1.8</b>	<b>1AS512 Ø1.25</b>
1NP015 Ø1.2	1AS015 Ø1.2	1AS842 Ø1.2		1AS515 Ø1.5
<b>1NP148 Ø1.5</b>	<b>1AS148 Ø1.5</b>	<b>1AS845 Ø1.5</b>		<b>1AS518 Ø1.8</b>
1NP151 Ø1.8	1AS151 Ø1.8			1AS520 Ø2.0
<b>1NP152 Ø2.0</b>	<b>1AS152 Ø2.0</b>			
1NP274 Ø2.5	1AS223 Ø2.3			
	<b>1AS274 Ø2.5</b>			
	1AS275 Ø2.7			
	<b>1AS824 Ø3.0</b>			







# PRECITEC® NOZZLES

PRECITEC®


HP/N Shorter Nozzle H.11mm	HP Shorter Nozzle H.11mm	DXN Nozzle H.17mm	CS Nozzle	CS Double Nozzle
				
1EL710 Ø1.0	1EL475 Ø1.0	1AS108 Ø0.8	1CS110 Ø1.0	1CS310 Ø1.0
<b>1EL712 Ø1.2</b>	<b>1EL476 Ø1.2</b>	<b>1AS328 Ø1.0</b>	<b>1CS112 Ø1.2</b>	<b>1CS312 Ø1.2</b>
1EL715 Ø1.5	1EL477 Ø1.5	1AS140 Ø1.2	1CS115 Ø1.5	1CS315 Ø1.5
<b>1EL718 Ø1.8</b>	<b>1EL815 Ø1.5 HD</b>	<b>1AS605 Ø1.5</b>	<b>1CS118 Ø1.8</b>	<b>1CS318 Ø1.8</b>
1EL720 Ø2.0	1EL478 Ø1.8	1AS935 Ø1.7	1CS120 Ø2.0	1CS320 Ø2.0
<b>1EL723 Ø2.3</b>	<b>1EL479 Ø2.0</b>	<b>1AS216 Ø2.0</b>	<b>1CS125 Ø2.5</b>	<b>1CS323 Ø2.3</b>
1EL725 Ø2.5	1EL820 Ø2.0 HD	1AS936 Ø2.25	1CS130 Ø3.0	1CS325 Ø2.5
	<b>1EL480 Ø2.5</b>	<b>1AS417 Ø2.5</b>		<b>1CS330 Ø3.0</b>
	1EL825 Ø2.5 HD	1AS427 Ø2.75		1CS335 Ø3.5
	<b>1EL430 Ø3.0 HD</b>	<b>1AS827 Ø3.0</b>		

Precitec® DS Nozzle	Compatible DS Nozzle	2D KN Nozzle	3D TAK Nozzle
			
1DS010 Ø1.0	1DS112 Ø1.2	1TF544 Ø1.0	1TF681 Ø1.0
<b>1DS012 Ø1.2</b>	<b>1DS115 Ø1.5</b>	<b>1TF883 Ø1.2</b>	<b>1TF688 Ø1.2</b>
1DS015 Ø1.5	1DS118 Ø1.8	1TF211 Ø1.5	1TF703 Ø1.5
<b>1DS018 Ø1.8</b>	<b>1DS120 Ø2.0</b>	<b>1TF557 Ø1.7</b>	<b>1TF725 Ø1.8</b>
1DS020 Ø2.0	1DS125 Ø2.5	1TF558 Ø2.0	1TF767 Ø2.0
<b>1DS025 Ø2.5</b>		<b>1TF223 Ø2.3</b>	
		1TF555 Ø2.25	
		<b>1AS417 Ø3.0</b>	

# LVD® AXEL3015L, ELIOS, ORION & IMPULS LASERS

Conical Nozzle	Conical Chromed Nozzle	Cylindrical Nozzle	Cylindrical Chromed Nozzle	Double Nozzle	Double Chromed Nozzle
					
1LV207 Ø1.0	1LV207T Ø1.0	1LV080 Ø0.8	1LV080T Ø0.8	1LV310 Ø1.0	1LV310T Ø1.0
1LV212 Ø1.2	1LV212T Ø1.2	1LV097 Ø1.0	1LV097T Ø1.0	1LV312 Ø1.2	1LV312T Ø1.2
1LV218 Ø1.5	1LV218T Ø1.5	1LV927 Ø1.2	1LV927T Ø1.2	1LV315 Ø1.5	1LV315T Ø1.5
1LV217 Ø1.7	1LV217T Ø1.7	1LV195 Ø1.5	1LV195T Ø1.5	1LV320 Ø2.0	1LV320T Ø2.0
1LV219 Ø2.0	1LV219T Ø2.0	1LV926 Ø2.0	1LV926T Ø2.0	1LV325 Ø2.5	1LV325T Ø2.5
1LV219S Ø2.0 SP	1LV265T Ø2.5	1LV220 Ø2.5	1LV220T Ø2.5	1LV330 Ø3.0	1LV330T Ø3.0
1LV223 Ø2.3	1LV266T Ø3.0	1LV221 Ø3.0	1LV221T Ø3.0	1LV330/17 Ø3.0/17	1LV335T Ø3.5
1LV265 Ø2.5	1LV235T Ø3.5			1LV335 Ø3.5	1LV340T Ø4.0
1LV265S Ø2.5 SP	1LV240T Ø4.0			1LV340 Ø4.0	
1LV266 Ø3.0					
1LV266S Ø3.0 SP					
1LV235 Ø3.5					
1LV240 Ø4.0					
1LV245 Ø4.5					
1LV250 Ø5.0					
1LV260 Ø6.0					

Double Nozzle W/Spring	Double Chromed Nozzle W/Spring
	
1LV423 Ø2.5/13	1LV423T Ø2.5/13
1LV425 Ø2.5/15	1LV425T Ø2.5/15
1LV433 Ø3.0/13	1LV433T Ø3.0/13
1LV435 Ø3.0/15	1LV435T Ø3.0/15
1LV430 Ø3.0/20	1LV430T Ø3.0/20








Lens P/M FL5.0" Ø2"
Lens P/M FL7.5" Ø2"
Lens FL10" Ø2"
Lens FL5" Ø1.75"

Insulating Ring	Union Nut	Sensor Insert DZ
		
Ref. P0492-702-00002	Ref. P0497-130-00001	Ref. P0380-110-00003
Ref. LVD 29100021		


Electrode Cable GG Z	Precitec® Insulating Part	Scale Loupe Focus Centering 9AB024
		
Ref. P0360-100-0050053	Ref. P0380-211-00001	Ref. 9AB024
	Ref. LVD 281146	

LVD®

# LVD® AXEL 3015S/4020S & SIRIUS LASERS

Conical Nozzle	Conical Chromed Nozzle	Cylindrical Nozzle	Cylindrical Chromed Nozzle	Double Nozzle	Double Chromed Nozzle
					
1LV207 Ø1.0	1LV207T Ø1.0	1LV080 Ø0.8	1LV080T Ø0.8	1LV310 Ø1.0	1LV310T Ø1.0
1LV212 Ø1.2	1LV212T Ø1.2	1LV097 Ø1.0	1LV097T Ø1.0	1LV312 Ø1.2	1LV312T Ø1.2
1LV218 Ø1.5	1LV218T Ø1.5	1LV927 Ø1.2	1LV927T Ø1.2	1LV315 Ø1.5	1LV315T Ø1.5
1LV217 Ø1.7	1LV217T Ø1.7	1LV195 Ø1.5	1LV195T Ø1.5	1LV320 Ø2.0	1LV320T Ø2.0
1LV219 Ø2.0	1LV219T Ø2.0	1LV926 Ø2.0	1LV926T Ø2.0	1LV325 Ø2.5	1LV325T Ø2.5
1LV219S Ø2.0 SP	1LV265T Ø2.5	1LV220 Ø2.5	1LV220T Ø2.5	1LV330 Ø3.0	1LV330T Ø3.0
1LV223 Ø2.3	1LV266T Ø3.0	1LV221 Ø3.0	1LV221T Ø3.0	1LV330/17 Ø3.0/17	1LV335T Ø3.5
1LV265 Ø2.5	1LV235T Ø3.5			1LV335 Ø3.5	1LV340T Ø4.0
1LV265S Ø2.5 SP	1LV240T Ø4.0			1LV340 Ø4.0	
1LV266 Ø3.0					
1LV266S Ø3.0 SP					
1LV235 Ø3.5					
1LV240 Ø4.0					
1LV245 Ø4.5					
1LV250 Ø5.0					
1LV260 Ø6.0					

Double Nozzle W/Spring	Double Chromed Nozzle W/Spring
	
1LV423 Ø2.5/13	1LV423T Ø2.5/13
1LV425 Ø2.5/15	1LV425T Ø2.5/15
1LV433 Ø3.0/13	1LV433T Ø3.0/13
1LV435 Ø3.0/15	1LV435T Ø3.0/15
1LV430 Ø3.0/20	1LV430T Ø3.0/20





Lens P/M FL5.0" Ø2"
Lens P/M FL7.5" Ø2"
Lens FL10" Ø2"
Lens FL5" Ø1.75"

Insulating Ring	Union Nut	Sensor Insert DXN
		
Ref. P0492-702-00002	Ref. P0497-130-00001	Ref. P0497-110-00001
Ref. LVD 29100021		

Electrode Cable GG	Precitec® Insulating Part	Scale Loupe Focus Centering 9AB024
		
Ref. P0497-002-00450	Ref. P0497-615-00001	Ref. 9AB024
	Ref. LVD 29100106S	

LVD®

# LVD® NOZZLES

Precitec® HP/N Nozzle	Precitec® Double HP/N Nozzle	Precitec® HP Nozzle
		
1NP308 Ø0.8	1NP944 Ø1.0	1NP345 Ø0.8
<b>1NP381 Ø1.0</b>	<b>1NP940 Ø1.2</b>	<b>1NP010 Ø1.0</b>
1NP382 Ø1.2	1NP941 Ø1.5	1NP015 Ø1.2
<b>1NP383 Ø1.5</b>	<b>1NP946 Ø1.8</b>	<b>1NP148 Ø1.5</b>
1NP396 Ø1.8	1NP942 Ø2.0	1NP151 Ø1.8
<b>1NP397 Ø2.0</b>	<b>1NP947 Ø2.3</b>	<b>1NP152 Ø2.0</b>
1NP414 Ø2.5	1NP943 Ø2.5	1NP274 Ø2.5
<b>1NP640 Ø3.0</b>	<b>1NP950 Ø3.0</b>	
1NP826 Ø4.0	1NP680 Ø3.5	
<b>1NP642 Ø5.0</b>		

Compatible HP/N Nozzle	Compatible HP/N Chromed Nozzle	Compatible Double HP/N Nozzle	Compatible Double HP/N Chromed Nozzle	Compatible HP Nozzle	Compatible Double Chromed HP Nozzle
					
1AS308 Ø0.8	1AS308T Ø0.8	1AS944 Ø1.0	1AS944T Ø1.0	1AS345 Ø0.8	1AS848 Ø0.8
<b>1AS381 Ø1.0</b>	<b>1AS381T Ø1.0</b>	<b>1AS940 Ø1.2</b>	<b>1AS940T Ø1.2</b>	<b>1AS346 Ø1.0</b>	<b>1AS840 Ø1.0</b>
1AS382 Ø1.2	1AS382T Ø1.2	1AS941 Ø1.5	1AS941T Ø1.5	1AS015 Ø1.2	1AS842 Ø1.2
<b>1AS383 Ø1.5</b>	<b>1AS383T Ø1.5</b>	<b>1AS946 Ø1.8</b>	<b>1AS946T Ø1.8</b>	<b>1AS148 Ø1.5</b>	<b>1AS845 Ø1.5</b>
1AS396 Ø1.8	1AS396T Ø1.8	1AS942 Ø2.0	1AS942T Ø2.0	1AS151 Ø1.8	
<b>1AS397 Ø2.0</b>	<b>1AS397T Ø2.0</b>	<b>1AS947 Ø2.3</b>	<b>1AS947T Ø2.3</b>	<b>1AS152 Ø2.0</b>	
1AS399 Ø2.3	1AS399T Ø2.3	1AS943 Ø2.5	1AS943T Ø2.5	1AS223 Ø2.3	
<b>1AS414 Ø2.5</b>	<b>1AS414T Ø2.5</b>	<b>1AS950 Ø3.0</b>	<b>1AS950T Ø3.0</b>	<b>1AS274 Ø2.5</b>	
1AS641 Ø2.75	1AS641T Ø2.75	1AS680 Ø3.5	1AS680T Ø3.5	1AS275 Ø2.7	
<b>1AS640 Ø3.0</b>	<b>1AS640T Ø3.0</b>	<b>1AS951 Ø4.0</b>	<b>1AS951T Ø4.0</b>	<b>1AS824 Ø3.0</b>	
1AS825 Ø3.5	1AS825T Ø3.5	1AS952 Ø4.5	1AS952T Ø4.5		
<b>1AS826 Ø4.0</b>	<b>1AS826T Ø4.0</b>	<b>1AS953 Ø5.0</b>	<b>1AS953T Ø5.0</b>		
1AS712 Ø4.5	1AS712T Ø4.5				
<b>1AS642 Ø5.0</b>	<b>1AS642T Ø5.0</b>				



**Scale Loupe Focus Centering  
9AB024**





Ref. 9AB024

# LVD® FIBER LASERS & PRECITEC® YAG HPSSL HEAD

<p><b>Precitec® Ceramic Part KT B2" CON</b></p> 	<p><b>Precitec® Ceramic Part KT B2"</b></p> 	<p><b>Sensor Insert HP 1.5</b></p> 
<p>Ref. P0571-1051-00001</p>	<p>Ref. P0571-260-00001</p>	<p>Ref. P0591-1051-00001</p>

<p><b>Protection Precitec® Ceramic Part KTB2</b></p> 	<p><b>Union Nut</b></p> 
	<p>Ref. P0571-1095-00001</p>



<p><b>Protection Glass</b></p> 	<p><b>Protection Glass 9AB2851</b></p> 	<p><b>Mocap Sticker Outlet Covering</b></p> 
<p>Ref. P0589-360-00002</p>	<p>Ref. Bystronic 10045746</p>	<p>Ref. PBVM0-042-878K</p>


<p><b>Gasket Set for Head / Sensor</b></p> 	<p><b>Gasket Set for Protection</b></p> 
<p>Ref. P0591-1197-00001</p>	<p>Ref. P0591-1198-00001</p>

<p><b>Cleaning Maintenance Protection Glass 9AB667</b></p> 
<p>Ref. 9AB667</p>

LVD®

# MAZAK® FABRIGEAR & SPACEGEAR LASERS

2D Nozzle	3D Nozzle
	
1MZ760 Ø1.0	1MZ756 Ø0.8
<b>1MZ775 Ø1.2</b>	<b>1MZ757 Ø1.0</b>
1MZ783 Ø1.5	1MZ758 Ø1.2
<b>1MZ784 Ø1.8</b>	<b>1MZ780 Ø1.5</b>
1MZ785 Ø2.0	1MZ781 Ø1.8
<b>1MZ762 Ø2.5</b>	<b>1MZ759 Ø2.0</b>
1MZ761 Ø3.0	1MZ804 Ø2.5
	<b>1MZ807 Ø3.0</b>
	1MZ808 Ø3.5







Lens P/CX FL7.5" Ø2" Standard
<b>Lens P/CX FL7.5" Ø2" Clear Magic</b>

<b>Scale Loupe Focus Centering</b> <b>9AB024</b>  Ref. 9AB024	<b>Lens Stress Visualizer Ø2"</b> <b>9AB020</b>  Ref. 9AB020	<b>Cleaning Maintenance Optic Kit</b> <b>9AB666</b>  Ref. 9AB666
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## PRECITEC® SENSOR

<b>Sensor Insert HN Z</b>  Ref. P0354-110-00002	<b>Insulator 3D HN Z</b>  Ref. P0352-311-00001	<b>Insulating Ring</b>  Ref. P0492-702-00002	<b>Sensor Cable</b>  Ref. P0360-155-00500
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## MAZAK® SENSOR


<b>Inner Cone 9MZ348</b>  Ref. 46713330930	<b>Upper Locking Nut 4MZ0940</b>  Ref. 46713330940	<b>Inner Insulator 5MZ655</b>  Ref. 46713330960	<b>Protective Insulator 5AB256</b>  Ref. 46713330390	<b>Insulating Ring 3D 5AB802</b>  Ref. 46713330920
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<b>Sensor Body 9MZ658</b>  Ref. 46713331240	<b>Conector Protection 9MZ656</b>  Ref. 46713330951	<b>Sensor Cable Conector 9MZ657</b>  Ref. 46713331111	<b>Screening Nut 5AB281003</b>  Ref. 467133000321	<b>Sensor Cable 9MZ651</b>  Ref. 46743300181
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# MAZAK® HYPERGEAR LASERS

Nozzle	Double Nozzle
	
1MZ297 Ø1.0	1MZ412 Ø1.2
<b>1MZ298 Ø1.2</b>	<b>1MZ415 Ø1.5</b>
1MZ299 Ø1.5	1MZ420 Ø2.0
<b>1MZ303 Ø1.8</b>	<b>1MZ425 Ø2.5</b>
1MZ300 Ø2.0	1MZ430 Ø3.0
<b>1MZ301 Ø2.5</b>	<b>1MZ435 Ø3.5</b>
1MZ302 Ø3.0	1MZ440 Ø4.0
<b>1MZ304 Ø3.5</b>	
1MZ306 Ø4.0	


Lens High Accuracy FL5.0" Ø2" Ref. Z50ZZ013480
<b>Lens High Accuracy FL7.5" Ø2"</b> Ref. Z50ZZ013470



Scale Loupe Focus Centering 9AB024 	Lens Stress Visualizer Ø2" 9AB020 	Aeroshell 560 for Turbine LT.1 9MZ228 
Ref. 9AB024	Ref. 9AB020	Ref. 9MZ228

## MAZAK® HYPERGEAR LASERS SPARE PARTS



**MAZAK®**


# MAZAK® HYPERGEAR LASERS SPARE PARTS

<p><b>Nut 9MZ131</b></p> 	<p><b>Kit Screws (4 pcs) 9MZ128</b></p> 	<p><b>Brass Nut 9MZ130</b></p> 	
Ref. 36143300332	Ref. A06CB040200	Ref. 46143300320	
<p><b>Kit Screws for Centering (4 pcs) 9MZ129</b></p> 	<p><b>Ceramic Insulator 5MZ103 PPS version 5MZ110</b></p> 	<p><b>Copper Nut 9MZ119</b></p> 	
Ref. 9MZ129	Ref. 46143300270	Ref. 46143300280	
	PPS version Ref. 46143312100		
<p><b>Insulating Ceramic 5MZ102 PPS version 5MZ109</b></p> 	<p><b>Copper Screw Nut 9MZ118</b></p> 	<p><b>Insulating Ceramic 5MZ100 PPS version 5MZ112</b></p> 	
Ref. 46143300260	Ref. 46143300290	Ref. 461433004440	
PPS version Ref. 46143312130		PPS version Ref. 46143312080	
<p><b>Copper Body 9MZ117</b></p> 	<p><b>Nozzle-Housing Dowle 9MZ719</b></p> 	<p><b>Insulating Ceramic 5MZ101 PPS version 5MZ108</b></p> 	
Ref. 46143307420	Ref. 46683301180	Ref. 46143300240	
		PPS version Ref. 46143312120	
<p><b>Aluminum Body 9MZ126</b></p> 	<p><b>Connector Base 9MZ133</b></p> 	<p><b>Kit Screw for Connector (2 pcs) 9MZ134</b></p> 	
Ref. 36143307980	Ref. 46143308170	Ref. 46603300030	
<p><b>Sensor Connector 9MZ132</b></p> 	<p><b>Spring 9MZ115</b></p> 	<p><b>Adaptor 9MZ123</b></p> 	
Ref. 46143308190	Ref. 46143300220	Ref. 46143308000	
<p><b>Balls (6 pcs) 9MZ121</b></p> 	<p><b>Nozzle Adaptor Support 9MZ113</b></p> 	<p><b>Nozzle Holder 9MZ112</b></p> 	<p><b>Head Cable 9MZ652</b></p> 
Ref. 46143300230	Ref. 36143304400	Ref. 36143304420	Ref. 4614330326

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# MAZAK® TYPE SENSOR PFP HEAD
















Pencil Nozzle	Pencil Double Nozzle	Slim Nozzle	Slim Double Nozzle
			
1MZ208 Ø0.8	1MZ258 Ø0.8	1MZ708 Ø0.8	1MZ908 Ø0.8
<b>1MZ210 Ø1.0</b>	<b>1MZ260 Ø1.0</b>	<b>1MZ710 Ø1.0</b>	<b>1MZ910 Ø1.0</b>
1MZ212 Ø1.2	1MZ262 Ø1.2	1MZ712 Ø1.2	1MZ912 Ø1.2
<b>1MZ215 Ø1.5</b>	<b>1MZ265 Ø1.5</b>	<b>1MZ715 Ø1.5</b>	<b>1MZ915 Ø1.5</b>
1MZ218 Ø1.8	1MZ268 Ø1.8	1MZ718 Ø1.8	1MZ918 Ø1.8
1MZ220 Ø2.0	<b>1MZ270 Ø2.0</b>	<b>1MZ720 Ø2.0</b>	<b>1MZ920 Ø2.0</b>
<b>1MZ222 Ø2.2</b>	1MZ272 Ø2.2	1MZ722 Ø2.2	1MZ922 Ø2.2
1MZ225 Ø2.5	<b>1MZ274 Ø2.5</b>	<b>1MZ825 Ø2.5</b>	<b>1MZ925 Ø2.5</b>
<b>1MZ230 Ø3.0</b>	1MZ280 Ø3.0	1MZ830 Ø3.0	1MZ930 Ø3.0
1MZ235 Ø3.5	<b>1MZ285 Ø3.5</b>	<b>1MZ735 Ø3.5</b>	<b>1MZ935 Ø3.5</b>
<b>1MZ240 Ø4.0</b>	1MZ290 Ø4.0	1MZ740 Ø4.0	
	<b>1MZ291 Ø4.0/1.4</b>		
	1MZ292 Ø4.0/1.8		
	<b>1MZ295 Ø4.5</b>		


Lens High Accuracy FL5.0" Ø2" Ref. Z50ZZ013480
Lens High Accuracy FL7.5" Ø2" Ref. Z50ZZ013470

Scale Loupe Focus Centering 9AB024 	Lens Stress Visualizer Ø2" 9AB020 	Aeroshell 560 for Turbine LT.1 9MZ228 
Ref. 9AB024	Ref. 9AB020	Ref. 9MZ228

MAZAK®






# MAZAK® TYPE SENSOR PFP HEAD SPARE PARTS





<p><b>Nut</b> 9MZ131</p>  <p>Ref. 36143300332</p>	<p><b>Kit Screws (4 pcs)</b> 9MZ128</p>  <p>Ref. A06CB040200</p>	<p><b>Brass Nut</b> 9MZ130</p>  <p>Ref. 46143300320</p>	
<p><b>Kit Screws for Centering (4 pcs)</b> 9MZ129</p>  <p>Ref. 9MZ129</p>	<p><b>Ceramic Insulator 5MZ103</b> PPS version 5MZ110</p>  <p>Ref. 46143300270</p> <p>PPS version Ref. 46143312100</p>	<p><b>Copper Nut</b> 9MZ119</p>  <p>Ref. 46143300280</p>	
<p><b>Insulating Ceramic 5MZ102</b> PPS version 5MZ109</p>  <p>Ref. 46143300260</p> <p>PPS version Ref. 46143312130</p>	<p><b>Copper Screw Nut</b> 9MZ118</p>  <p>Ref. 46143300290</p>	<p><b>Insulating Ceramic 5MZ100</b> PPS version 5MZ112</p>  <p>Ref. 461433004440</p> <p>PPS version Ref. 46143312080</p>	
<p><b>Copper Body</b> 9MZ117</p>  <p>Ref. 46143307420</p>	<p><b>Nozzle-Housing Dowle</b> 9MZ719</p>  <p>Ref. 46683301180</p>	<p><b>Insulating Ceramic 5MZ101</b> PPS version 5MZ108</p>  <p>Ref. 46143300240</p> <p>PPS version Ref. 46143312120</p>	
<p><b>Aluminum Body</b> 9MZ097</p>  <p>Ref. 36143310550</p>	<p><b>Connector Base</b> 9MZ133</p>  <p>Ref. 46143308170</p>	<p><b>Kit Screw for Connector (2 pcs)</b> 9MZ134</p>  <p>Ref. 46603300030</p>	
<p><b>Sensor Connector</b> 9MZ132</p>  <p>Ref. 46143308190</p>	<p><b>Spring</b> 9MZ115</p>  <p>Ref. 46143300220</p>	<p><b>Retainer Spring</b> Steel 9MZ098</p>  <p>Ref. 36143310541</p>	<p><b>Coupler</b> 9MZ143</p>  <p>Ref. 36143310530</p>
<p><b>Balls (6 pcs)</b> 9MZ121</p>  <p>Ref. 46143300230</p>	<p><b>Nozzle Holder</b> Large 9MZ110</p>  <p>Ref. 36143310522</p>	<p><b>Nozzle Holder</b> Long 9MZ096</p>  <p>Ref. 36143310740</p>	<p><b>Head Cable</b> 9MZ653</p>  <p>Ref. 46143308290</p>

MAZAK®

# MAZAK® STX HI-PRO510 & STX48 CAPACITATIVE SENSOR HEAD

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Conical Nozzle	Hexagonal Nozzle	Hexagonal Chromed Nozzle	Double Nozzle	Double Chromed Nozzle
				
1MZ700 Ø0.8	1MZ688E Ø0.8	1MZ688T Ø0.8	1MZ725 Ø1.0	1MZ725T Ø1.0
<b>1MZ307 Ø1.0</b>	<b>1MZ689E Ø1.0</b>	<b>1MZ689T Ø1.0</b>	<b>1MZ727 Ø1.2</b>	<b>1MZ727T Ø1.2</b>
1MZ316 Ø1.2	1MZ690E Ø1.2	1MZ690T Ø1.2	1MZ726 Ø1.5	1MZ726T Ø1.5
<b>1MZ275 Ø1.5</b>	<b>1MZ660E Ø1.5</b>	<b>1MZ660T Ø1.5</b>	<b>1MZ728 Ø1.8</b>	<b>1MZ728T Ø1.8</b>
1MZ325 Ø1.8	1MZ691E Ø1.7	1MZ691T Ø1.7	1MZ729 Ø2.0	1MZ729T Ø2.0
<b>1MZ276 Ø2.0</b>	<b>1MZ695E Ø1.8</b>	<b>1MZ716T Ø2.0</b>	<b>1MZ730 Ø2.2</b>	<b>1MZ730T Ø2.2</b>
1MZ277 Ø2.5	1MZ716E Ø2.0	1MZ692T Ø2.2	1MZ731 Ø2.5	1MZ731T Ø2.5
<b>1MZ305 Ø3.0</b>	<b>1MZ692E Ø2.2</b>	<b>1MZ693T Ø2.5</b>	<b>1MZ789 Ø3.0</b>	<b>1MZ789T Ø3.0</b>
	1MZ693E Ø2.5	1MZ694T Ø3.0		
	<b>1MZ694E Ø3.0</b>	<b>1MZ721T Ø3.5</b>		
	1MZ721E Ø3.5	1MZ722T Ø4.0		
	<b>1MZ722E Ø4.0</b>			

Fast Nozzle	Fast Chromed Nozzle	Fast Double Nozzle	Fast Double Chromed Nozzle
			
1MZ610 Ø1.0	1MZ610T Ø1.0	1MZ510 Ø1.0	1MZ510T Ø1.0
<b>1MZ612 Ø1.2</b>	<b>1MZ612T Ø1.2</b>	<b>1MZ512 Ø1.2</b>	<b>1MZ512T Ø1.2</b>
1MZ615 Ø1.5	1MZ615T Ø1.5	1MZ515 Ø1.5	1MZ515T Ø1.5
<b>1MZ620 Ø2.0</b>	<b>1MZ620T Ø2.0</b>	<b>1MZ518 Ø1.8</b>	<b>1MZ518T Ø1.8</b>
1MZ622 Ø2.2	1MZ622T Ø2.2	1MZ520 Ø2.0	1MZ520T Ø2.0
<b>1MZ625 Ø2.5</b>	<b>1MZ625T Ø2.5</b>	<b>1MZ522 Ø2.2</b>	<b>1MZ522T Ø2.2</b>
1MZ630 Ø3.0	1MZ630T Ø3.0	1MZ525 Ø2.5	1MZ525T Ø2.5
<b>1MZ635 Ø3.5</b>	<b>1MZ635T Ø3.5</b>	<b>1MZ530 Ø3.0</b>	<b>1MZ530T Ø3.0</b>
1MZ640 Ø4.0	1MZ640T Ø4.0	1MZ535 Ø3.5	1MZ535T Ø3.5
<b>1MZ645 Ø4.5</b>	<b>1MZ645T Ø4.5</b>		

	
Lens P/CX FL5" Ø2" ET 9.6mm	
Lens P/CX FL7.5" Ø2" ET 9.6mm	
Lens P/CX FL5" Ø2" ET 7.9mm	
Lens P/CX FL7.5" Ø2" ET 7.9mm	

**Scale Loupe Focus Centering 9AB024**








Ref. 9AB024






All Lenses are available in Standard, Clear Magic & Black Magic versions

Todas las lentes están disponibles en versiones Estándar, Clear Magic y Black Magic

**MAZAK® STX HI-PRO510 & STX48 CAPACITATIVE SENSOR HEAD SPARE PARTS**

<b>Nozzle Housing Complete 9MZ548</b> 	<b>Bracket 9MZ458</b> 	<b>Teflon Ring 5MZ456</b> 	<b>Ceramic Ring 5MZ456C</b> 	<b>Peek Ring 5MZ456P</b> 
Ref. 9MZ548	Ref. 46683301110	Ref. 46683301080	Ref. 46683301080	Ref. 46683301080

<b>O-Ring 5MZ486</b> 	<b>Brass Bracket 9MZ460</b> 	<b>Teflon Ring 5MZ457</b> 	<b>Ceramic Ring 5MZ457C</b> 	<b>Peek Ring 5MZ457P</b> 
Ref. J2600S03200	Ref. 46683301070	Ref. 46683301090	Ref. 46683301090	Ref. 46683301090

<b>Copper Bracket 9MZ459</b> 	<b>Teflon Ring 5MZ454</b> 	<b>Ceramic Ring 5MZ454C</b> 	<b>Peek Ring 5MZ454P</b> 	<b>Insulating Part Nozzle Body 5MZ430</b> 
Ref. 46683301100	Ref. 46683301120	Ref. 46683301120	Ref. 46683301120	Ref. 46773300710

<b>Nozzle Body 9MZ428</b> 	<b>Nozzle Body New 9MZ429</b> 	<b>Teflon Ring 5MZ455</b> 	<b>Ceramic Ring 5MZ455C</b> 	<b>Peek Ring 5MZ455P</b> 
Ref. 46683300850	Ref. 46773300721	Ref. 46683301130	Ref. 46683301130	Ref. 46683301130

<b>Aluminium Housing 9MZ463</b> 	<b>Connector Set 9MZ462</b> 	<b>Screws Connector Kit (4pcs) 9MZ426</b> 	<b>Teflon Ring 5MZ372</b> 	<b>Teflon Sensor Cover 5MZ635</b> 
Ref. 46683301140	Ref. 46683301170	Ref. 46683300000	Ref. 46683301150	Ref. 46683301930






<b>Ceramic Sensor Cover 5MZ635C</b> 	<b>Peek Cover 5MZ635P</b> 	<b>Teflon Cover 5MZ498</b> 	<b>Copper Ring 9MZ373</b> 	<b>Nozzle Housing Dowle 9MZ719</b> 
Ref. 46683301930	Ref. 46683301930	Ref. 46683301841	Ref. 46683301160	Ref. 46683301180

<b>Sensor Cable 33cm 9MZ650</b> 	<b>Sensor Cable 30cm 9MZ649</b> 	<b>Sensor Cable 30cm with Cover 9MZ649/G</b> 
Ref. 46683301330	Ref. 46683301980	Ref. 46683301980

**MAZAK®**

# MAZAK® STX510 & STX48 MECHANICAL FEELER HEAD

MAZAK®




Conical Nozzle	Hexagonal Nozzle	Hexagonal Chromed Nozzle	Double Nozzle	Double Chromed Nozzle
				
1MZ700 Ø0.8	1MZ688E Ø0.8	1MZ688T Ø0.8	1MZ725 Ø1.0	1MZ725T Ø1.0
<b>1MZ307 Ø1.0</b>	<b>1MZ689E Ø1.0</b>	<b>1MZ689T Ø1.0</b>	<b>1MZ727 Ø1.2</b>	<b>1MZ727T Ø1.2</b>
1MZ316 Ø1.2	1MZ690E Ø1.2	1MZ690T Ø1.2	1MZ726 Ø1.5	1MZ726T Ø1.5
<b>1MZ275 Ø1.5</b>	<b>1MZ660E Ø1.5</b>	<b>1MZ660T Ø1.5</b>	<b>1MZ728 Ø1.8</b>	<b>1MZ728T Ø1.8</b>
1MZ325 Ø1.8	1MZ691E Ø1.7	1MZ691T Ø1.7	1MZ729 Ø2.0	1MZ729T Ø2.0
<b>1MZ276 Ø2.0</b>	<b>1MZ695E Ø1.8</b>	<b>1MZ716T Ø2.0</b>	<b>1MZ730 Ø2.2</b>	<b>1MZ730T Ø2.2</b>
1MZ277 Ø2.5	1MZ716E Ø2.0	1MZ692T Ø2.2	1MZ731 Ø2.5	1MZ731T Ø2.5
<b>1MZ305 Ø3.0</b>	<b>1MZ692E Ø2.2</b>	<b>1MZ693T Ø2.5</b>	<b>1MZ789 Ø3.0</b>	<b>1MZ789T Ø3.0</b>
	1MZ693E Ø2.5	1MZ694T Ø3.0		
	<b>1MZ694E Ø3.0</b>	<b>1MZ721T Ø3.5</b>		
	1MZ721E Ø3.5	1MZ722T Ø4.0		
	<b>1MZ722E Ø4.0</b>			

Complete Lens Housing 2" 9MZ549	Ring Nut M56 9MZ545	Steel Spring 9MZ601	O-Ring for Lens Ø2" 9MZ618
			
Ref. 9MZ549	Ref. 9MZ545	Ref. 9MZ601	Ref. 9MZ618





Copper Ring for Lens Ø2" 9MZ619	Copper Ring for Lens Ø2" 9MZ620	Indium Wire for Lens Ø1.5" 9AB327 Indium Wire for Lens Ø2" 9AB481
		
Ref. 9MZ619	Ref. 9MZ619	Ref. for Lens Ø1.5" 9AB327 Ref. for Lens Ø2" 9AB481






Scale Loupe Focus Centering 9AB024





Ref. 9AB024

Standard	Clear Magic	Black Magic
		
Lens P/CX FL5.0" Ø2" ET 9.6mm	Lens P/CX FL5.0" Ø2" ET 7.9mm	Lens P/CX FL5" Ø1.5" ET 7.6mm
Lens P/CX FL7.5" Ø2" ET 9.6mm	Lens P/CX FL7.5" Ø2" ET 7.9mm	Lens P/CX FL7.5" Ø1.5" ET 7.6mm

# MAZAK® STX510 & STX48 MECHANICAL FEELER HEAD SPARE PARTS

<b>Nozzle Adapter Body 9MZ111</b> 	<b>Brass Base 9MZ488</b> 	<b>Ring Nut 4MZ104</b> 	<b>Retainer Nut 9MZ178</b> 	<b>Bolt 9MZ427</b> 
Ref. 46603350510	Ref. 46523300080	Ref. 46583301720	Ref. 46683300030	Ref. 46683300032

<b>Steel Stylus Foot 4MZ103</b> 	<b>Steel Stylus Foot 4MZ492</b> 	<b>Steel Stylus Foot with Balls 4MZ102</b> 	<b>Brass Stylus Foot 4MZ546</b> 	<b>Brass Stylus Foot 4MZ110</b> 
Ref. 46572301043	Ref. 4MZ492	Ref. 4MZ102	Ref. 46512300520	Ref. 46602350080

<b>Brass Stylus Foot 4MZ494</b> 	<b>Teflon Stylus Foot 4MZ228</b> 	<b>Ball 9MZ661</b> 	<b>Ball M8 9MZ664</b> 
Ref. 4MZ494	Ref. 46572301045	Ref. Z21RU000580	Ref. Z21ZZ001160

<b>Stylus Arm 9MZ058</b> 	<b>Stylus Arm 9MZ171</b> 	<b>Stylus Arm 9MZ380</b> 
Ref. 36602350020	Ref. 36602300560	Ref. 36602300580




<b>Break Away Bar H.60mm 9MZ099</b> 	<b>Break Away Bar H.61mm 9MZ782</b> 	<b>Break Away Bar H.89mm 9MZ101</b> 
Ref. 36682300280	Ref. 36572300101	Ref. 36602300550

<b>BNC/BNC Connecting Cable 2.3M 9SMCDLC50</b> 	<b>Ball Support H. 42mm 9MZ662</b> 	<b>Ball Support H. 61mm 9MZ665</b> 	<b>Ball Support H. 67mm 9MZ702</b> 
Ref. 9SMCDLC50	Ref. 46575100321	Ref. 46775100101	Ref. 46705100050




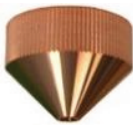
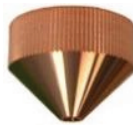

MAZAK®



# MITSUBISHI® LASERS

Nozzle w/O-Ring	Nozzle w/O-Ring	Nozzle w/O-Ring	Nozzle w/O-Ring
			
1MT315 Ø1.5	1MT312 Ø1.2	1MT317 Ø1.7	1MT310 Ø1.0
<b>1MT320 Ø2.0</b>			<b>1MT314 Ø1.4</b>
1MT325 Ø2.5			
<b>1MT330 Ø3.0</b>			
1MT335 Ø3.5			

Nozzle 4 Holes	Nozzle 8 Holes	Nozzle 12 Holes	Nozzle 16 Holes	Nozzle 20 Holes	Nozzle 24 Holes
					
1AM504 Ø1.3	1AM508 Ø1.3	1AM512 Ø1.3	1AM516 Ø1.3	1AM520 Ø1.3	1AM518 Ø1.5
<b>1AM503 Ø1.5</b>	<b>1AM517 Ø1.5</b>				<b>1AM524 Ø1.5</b>
	1AM519 Ø2.0				1AM521 Ø2.0

Nozzle	Nozzle	Nozzle	Nozzle Nut	Nozzle Nut Low Pressure	Outer Nozzle
					
1AM310 Ø1.0	1AM210 Ø1.0	1AM415 Ø1.5	1MT210 Ø1.0	1MT410 Ø1.0	1AM302 Ø1.7
<b>1AM312 Ø1.2</b>	<b>1AM212 Ø1.2</b>	<b>1AM417 Ø1.7</b>	<b>1MT212 Ø1.2</b>	<b>1MT412 Ø1.2</b>	<b>1AM303 Ø2.0</b>
1AM315 Ø1.5	1AM215 Ø1.5	1AM420 Ø2.0	1MT215 Ø1.5	1MT415 Ø1.5	1AM304 Ø2.5
<b>1AM320 Ø2.0</b>	<b>1AM220 Ø2.0</b>	<b>1AM425 Ø2.5</b>	<b>1MT217 Ø1.7</b>	<b>1MT420 Ø2.0</b>	<b>1AM305 Ø3.0</b>
1AM325 Ø2.5	1AM225 Ø2.5	1AM430 Ø3.0	1MT220 Ø2.0	1MT425 Ø2.5	1AM306 Ø4.0
	<b>1AM230 Ø3.0</b>	<b>1AM435 Ø3.5</b>	<b>1MT225 Ø2.5</b>	<b>1MT430 Ø3.0</b>	
	1AM235 Ø3.5	1AM232 Ø4.0	1MT230 Ø3.0	1MT435 Ø3.5	
			<b>1MT235 Ø3.5</b>		
			1MT240 Ø4.0		
			<b>1MT250 Ø5.0</b>		

HV Nozzle	HV Nozzle w/Radius	HV Nozzle	Nozzle w/Radius
			
1AM211 Ø1.0	1MT311 Ø1.2	1AM317 Ø1.7	1AM313 Ø1.0
<b>1AM226 Ø2.5</b>			
1AM231 Ø3.0			

**Scale Loupe Focus Centering 9AB024**



Ref. 9AB024

**O-Ring for Nozzle 5OR333**








Ref. 5OR333





MITSUBISHI®





<p><b>Nozzle Nut H. 15mm 9AM200</b></p> 	<p><b>Nozzle Nut H. 18mm 9AM201</b></p> 	<p><b>Shield Cup H. 22.9mm 9AM522</b></p> 
Ref. 71800026	Ref. w263	Ref. 71800027
Ref. BQ933D94H01		Ref. BQ933D221H04

<p><b>Nozzle Nut Fast 1AM217</b></p> 	<p><b>Outer Nozzle for High Speed Piercing 1AM270</b></p> 	<p><b>Outer Nozzle for High Speed Piercing 9AM266</b></p> 
Ref. 7180015400	Ref. 71802197	Ref. 71800101
Ref. BQ023D020H01		Ref. BQ933D044H01

<p><b>Nozzle Holder for Automatic Exchange 5MT001</b></p> 	<p><b>Precitec® Nozzle Holder</b></p> 	<p><b>Compatible Nozzle Holder 5AM299V</b></p> 
Ref. BQ98D311G02	Ref. P0594-860-00001	Ref. 5AM299V

	
Lens P/CX FL5.0" Ø2.0" ET 7.9mm	Lens P/CX FL5.0" Ø2.0" ET 9.6mm
Lens P/CX FL7.5" Ø2.0" ET 7.9mm	Lens P/CX FL7.5" Ø2.0" ET 9.6mm

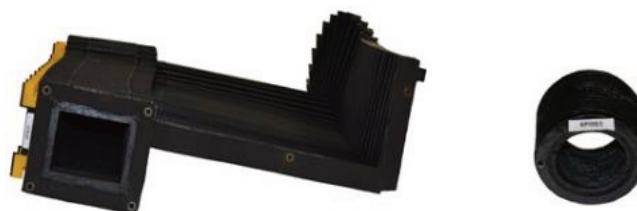
Conical 3D Nozzle	Conical 3D Chromed Nozzle	Cylindrical 3D Nozzle	Cylindrical 3D Chromed Nozzle
			
1PI198 Ø1.0	1PI198T Ø1.0	1PI111 Ø1.0	1PI111T Ø1.0
<b>1PI468 Ø1.2</b>	<b>1PI468T Ø1.2</b>	<b>1PI430 Ø1.2</b>	<b>1PI430T Ø1.2</b>
1PI411 Ø1.5	1PI411T Ø1.5	1PI113 Ø1.5	1PI113T Ø1.5
<b>1PI483 Ø1.7</b>	<b>1PI483T Ø1.7</b>	<b>1PI443 Ø1.7</b>	<b>1PI443T Ø1.7</b>
1PI604 Ø2.0	1PI604T Ø2.0	1PI189 Ø2.0	1PI189T Ø2.0
<b>1PI609 Ø2.5</b>	<b>1PI609T Ø2.5</b>	<b>1PI114 Ø2.5</b>	<b>1PI114T Ø2.5</b>
1PI624 Ø3.0	1PI624T Ø3.0	1PI461 Ø3.0	1PI461T Ø3.0

Cyl/Con Chromed Nozzle	Domino 2D/3D Nozzle	Teach Tip 3D	Teach Tip 3D
			
1PI150 Ø1.5	1PI196 Ø1.0	1PI103 Ø0.3	1PI102 Ø0.3
<b>1PI200 Ø2.0</b>	<b>1PI197 Ø1.5</b>		
1PI250 Ø2.5	1PI798 Ø2.0		
	<b>1PI799 Ø2.5</b>		
	1PI800 Ø3.0		

Cable 9PI240	Insulating Ring Ø10mm 5PI304	Insulating Ring Ø11mm 5PI303	Scale Loupe Centering Focus	Gasket Lens 5PI305
				
Ref. 523.P6.920	Ref. 5PI304	Ref. 5PI303	Ref. 9AB024	Ref. 1058.36520.720





Water Cartridge Filter 9PI120	Water Cartridge Filter 9PI115	Water Cartridge Filter 9PI238	Vacuum Pump Liquid 9PI239
			
Ref. 1058.52542.559	Ref. 1058.52542.556	Ref. CV2603-3336	Ref. CV0546-276-00






Lens FL5.0" Ø1.5" Ref. 360033
Lens FL7.5" Ø1.5" Ref. 360039
Lens FL10" Ø1.5" Ref. 1057.81000.011



On request we can supply bellows for Prima Power Lasers  
 Bajo petición podemos suministrar fuelles para Láseres Prima Power


**PRIMA POWER®**

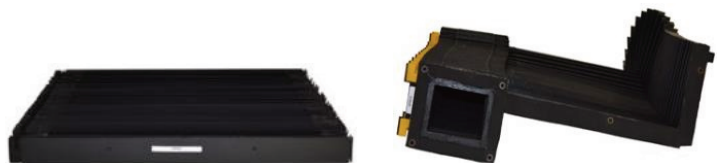
2D Nozzle	2D Chromed Nozzle	2D Chromed Nozzle	2D Double Chromed Nozzle
			
1PI208 Ø0.8	1PI208T Ø0.8	1PI511 Ø1.5	1PI510 Ø1.0
<b>1PI210 Ø1.0</b>	<b>1PI210T Ø1.0</b>	<b>1PI513 Ø2.0</b>	<b>1PI512 Ø1.2</b>
1PI212 Ø1.2	1PI212T Ø1.2	1PI514 Ø2.5	1PI515 Ø1.5
<b>1PI283 Ø1.5</b>	<b>1PI283T Ø1.5</b>	<b>1PI516 Ø3.0</b>	<b>1PI517 Ø1.7</b>
1PI284 Ø2.0	1PI284T Ø2.0	1PI531 Ø3.0 DL	1PI520 Ø2.0
<b>1PI285 Ø2.5</b>	<b>1PI285T Ø2.5</b>		<b>1PI525 Ø2.5</b>
1PI410 Ø3.0	1PI410T Ø3.0		1PI530 Ø3.0

Cylindrical 2D Nozzle	Cylindrical 2D Chromed Nozzle	Syncrono Nozzle	Syncrono Double Nozzle
			
1PI676 Ø1.5	1PI612T Ø2.0	1PI812 Ø1.25	1PI876 Ø1.5
<b>1PI612 Ø2.0</b>	<b>1PI613T Ø2.5</b>	<b>1PI815 Ø1.5</b>	<b>1PI877 Ø2.0</b>
1PI613 Ø2.5	1PI677T Ø3.0	1PI875 Ø1.75	1PI878 Ø2.5
<b>1PI677 Ø3.0</b>		<b>1PI820 Ø2.0</b>	<b>1PI830 Ø3.0</b>
		1PI825 Ø2.5	1PI835 Ø3.5

Cable 9PI240	Lens Stress Visualizer 9AB015	Scale Loupe Centering Focus	Gasket Lens 5PI305
			
Ref. 523.P6.920	Ref. 9AB015	Ref. 9AB024	Ref. 1058.36520.720

Water Cartridge Filter 9PI120	Water Cartridge Filter 9PI115	Water Cartridge Filter 9PI238	Vacuum Pump Liquid 9PI239
			
Ref. 1058.52542.559	Ref. 1058.52542.556	Ref. CV2603-3336	Ref. CV0546-276-00


Lens FL5.0" Ø1.5" Ref. 360033
Lens FL7.5" Ø1.5" Ref. 360039
Lens FL10" Ø1.5" Ref. 1057.81000.011







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Bajo petición podemos suministrar fuelles para Láseres Prima Power

# PRIMA POWER® PLATINO FIBER LASERS

Single Nozzle	Double Nozzle	Triple Nozzle	Double Nozzle w/ Double Chromed Plating	Single Nozzle	Double Nozzle
					
1PI008 Ø0.8	1PI908 Ø0.8	1PI627 Ø1.25	1PI900 Ø3.0	1IP633 Ø0.8	1PI643 Ø1.5
<b>1PI010 Ø1.0</b>	<b>1PI910 Ø1.0</b>	<b>1PI620 Ø1.5</b>	<b>1PI901 Ø3.5</b>	<b>1PI635 Ø1.0</b>	<b>1PI645 Ø2.0</b>
1PI012 Ø1.25	1PI912 Ø1.25	1PI621 Ø1.75	1PI902 Ø4.0	1PI637 Ø1.2	1PI647 Ø2.5
<b>1PI015 Ø1.5</b>	<b>1PI915 Ø1.5</b>	<b>1PI622 Ø2.0</b>	<b>1PI903 Ø5.0</b>		
1PI017 Ø1.75	1PI917 Ø1.75	1PI623 Ø2.25	1PI904 Ø7.0		
<b>1PI020 Ø2.0</b>	<b>1PI920 Ø2.0</b>	<b>1PI628 Ø2.5</b>			
1PI022 Ø2.25	1PI922 Ø2.25	1PI625 Ø2.75			
<b>1PI025 Ø2.5</b>	<b>1PI925 Ø2.5</b>	<b>1PI626 Ø3.0</b>			
1PI027 Ø2.75	1PI927 Ø2.75				
<b>1PI030 Ø3.0</b>	<b>1PI930 Ø3.0</b>				
1PI035 Ø3.5					

<b>Scale Loupe Focus Centering 9AB024</b>  Ref. 9AB024	<b>Mocap Sticker Set Outlet Covering 9NP042</b>  Ref. PBVM0-042-878K	<b>Protection Glass Cleaning Maintenance Kit 9AB667</b>  Ref. 9AB667
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<b>Protection Glass Fiber 9NP2531</b>  Ref. P0253-1034-00001 <b>Ref. PI 1057.81000.058</b>	<b>Protection Glass Fiber 9PI2445</b>  Ref. 1057.81000.085
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<b>Lens P/C X FL5" Fiber 3FLOT0322</b>  Ref. 1057.81000.070	<b>Lens P/C X FL7.5" Fiber 3FLOT0321</b>  Ref. 1057.81000.071
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## Láser

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