



Loader Tine Display Stand S.20652

Who are SHW - Why choose their tines?

SHW are a German manufacturer who supply tines to many of the leading OE manufacturers of front end loaders.

Sparex offer a comprehensive range of market leading **SHW loader tines**, with over 100 different models carried in stock for immediate delivery.

Merchandising options are available to help maximise your sales.

For a detailed list of the tines offered visit www.sparex.com



Why are the tines special?



Special Steel

Made from silicon steel with a special alloy (37 S.6 So) specifically designed for manufacturing tines. This steel gives the tines strength and flexibility required for the toughest conditions.



Roll Forged

Roll forged to provide a uniform, high quality finish.



Conical Taper

An important feature unique to SHW is the machining of the conical taper. The precision machining on a CNC lathe gives greater contact with the mating bush/loader frame, which helps reduce premature breakage.



Make sure it's an SHW!

To ensure reliability and quality look for the SHW Logo. If it doesn't have the SHW stamp on the tine it isn't genuine SHW tine!

How strong are the tines?

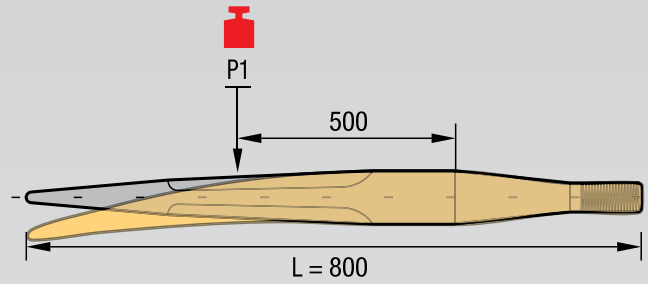
Load Test Diagram

In this test, depending on the diameter and usable length the tine is loaded several times at fixed points (P1,P2,P3) with a maximum of load without permanent deflection.

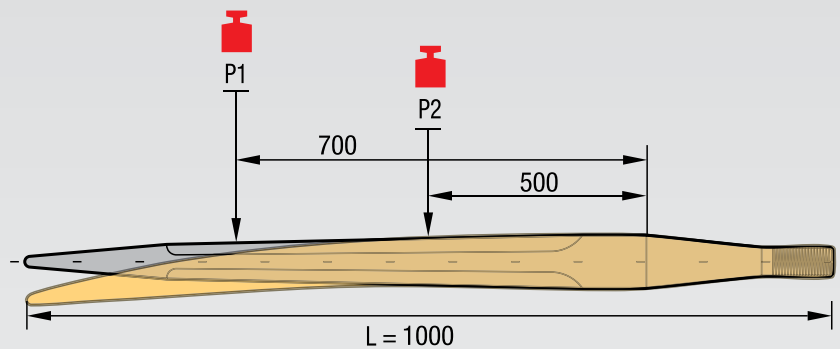
The load (N) is shown in the table.

This is a static test but in practice and depending on the use, a factor of safety must be included in the calculation.

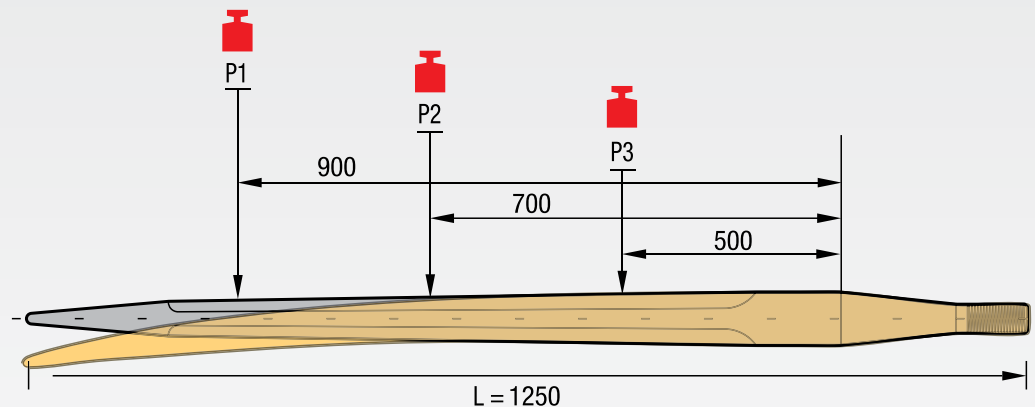
Each tine is hand tested during the manufacturing process to ensure high quality standards are achieved.



L	Ø	P1	Ø
800	36	8.000 N	800 kg
800	44	15.000 N	1.200 kg
800	50	19.000 N	1.550 kg



L	Ø	P1	P2	Ø
1.000	36	5.000 N	8.000 N	800 kg
1.000	44	8.000 N	15.000 N	1.200 kg
1.000	50	16.500 N	23.000 N	1.550 kg



L	Ø	P1	P2	P3	Ø
1.250	36	5.000 N	6.000 N	8.000 N	800 kg
1.250	44	8.000 N	12.000 N	15.000 N	1.200 kg
1.250	50	16.500 N	20.000 N	23.000 N	1.550 kg

L = Length

Ø = Diameter

P = Load

Loader tine installation instructions:

The tine should be seen as a major factor in handling; it is therefore necessary to pay attention to the following -

Nuts should be tightened to the follow torque:

Thread	Torque
M20	450Nm
M22	500Nm
M24	550Nm
M27	600Nm
M28	700Nm
M30	700Nm
M33	1000Nm



A torque wrench should be used when the tine is first fitted. Tines should be checked periodically, as failure to ensure the correct tightness will lead to premature breakage.

The repair bush should be inspected before fitting a new tine. If the bush is worn, it is highly advisable to replace to ensure the longevity of the new tine.



Caution: Do not attempt to straighten a tine as this can be dangerous and the tine will never regain its original strength

For a complete loader tine solution offering high quality at competitive prices insist on SHW tines.

Check out the Sparex website for our full range of loader tines and other related products www.sparex.com



SHW

Sparex Your 1st choice for Loader Tines

SHW Quality Loader Tines

Type of tine : Straight / Conical End						
Sparex No.	End	Max Diam mm		Length mm	OEM Ref	
S.77012	M20 x 1,5	35		680	KK221193	
S.77001		35		810	KK221151	
S.77016	M28 x 1,5	44		810	KK241160	
S.77017		44		980	KK241161	
S.77035		44		1100	KK241166	
S.77018		44		1250	KK241162	
Type of tine : Straight / Conical End						
Sparex No.	End	Max Diam mm		Length mm		
S.21501	M22 x 1,5	35		800		
S.21503		35		1100		
Type of tine : Straight / Bolted						
Sparex No.	End	Max Diam mm	Hole Diam mm	Length mm	OEM Ref	
S.21508	Shaft 35/25mm Bolted	35	11	820	525347	
S.21509		35	11	1200	525346	
S.21511	Shaft 35mm	35	11	760	300529	
S.21512		35	11	850		
S.21513		35	11	1150	DB035	
S.21533		40	12	1250		
S.74760	Shaft 45mm	45	17	1050	DF045	
Type of tine : Straight / Spoon End / Conical End						
Sparex No.	End	Max Diam mm		Length mm	OEM Ref	
S.77021	M28 x 1,5	44		1400	KK241167	
Type of tine : Cranked / Conical End						
Sparex No.	End	Max Diam mm		Length mm	OEM Ref	
S.77008	M20 x 1,5	36		820	KK221175	
S.77014	M24 x 1,5	36		820	KK221195	
Type of tine : Curved / Conical End						
Sparex No.	End	Max Diam mm		Length mm	OEM Ref	
S.77013	M20 x 1,5	36		680	KK221194	
Type of tine : Curved / Bolted						
Sparex No.	End	Max Diam mm	Hole Diam mm	Length mm	OEM Ref	
S.21505	25mm	25	12	560	300536	
S.22814	28mm	28	12	560	525348	

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