FTR - Flight Test Report Dieser Prütbericht darf ohne schriftliche Zustimmung der EAPR nicht, auch nic

Manufacturer	independence gliders for reat-pilots	Type testing No.	EAPR-GS-0818/18
	Fly Market GmbH & Co.KG Am Schönebach 3 D-87637 Eisenberg	serial number	Proto
Model	Tensing 17	La carriera	Brauneck
		Location	Achensee



Rev. 2.3 - 26.11.2014 EAPR GmbH - Marktstr. 11 D-87730 Bad Grönenbach - Germany

Date of testing	28.04.2018	Minimum take off 65 kg	weight	Maximum take off weight 90 kg		
Testpilot		Sepp Bauer		Mike Küng		
Harness		EAPR- Lightequipment		EAPR-Testequipment		
Pilot's take off weigl	nt	65 k		90 kg		





Test-criteria		Minimum take off weight	Evaluation	Maximum take off weight	Evaluation
1. Inflation / take-off - 4.4.1					
Rising behavior		no pilot correction required	Α	no pilot correction required	Α
Special take off technique required		No	А	No	Α
2. Landing - 4.4.2					
Special landing technique required		No	Α	No	Α
3. Speeds in straight flight - 4.4.3					•
Trim speed more than 30km/h		Yes	A	Yes	l A
Speed range using the controls larger than 10km/	h	Yes	Α	Yes	А
Minimum speed		Less than 25 km/h	Α	Less than 25 km/h	Α
4. Control movement - 4.4.4			'		,
Max. weight in flight up to 80kg			-		-
Max. weight in flight 80 to 100kg		Increasing > 60cm	А	Increasing > 60cm	Α
Max. weight in flight greater than 100kg			-		-
5. Pitch stability exiting accelerated flight - 4.4	1.5	•			
Dive forward angle on exit		Dive forward less than 30°	А	Dive forward less than 30°	Α
Collapse occurs		No	A	No	A
6. Pitch stability operating controls during acc	elerated	flight - 4.4.6			
Collapse occurs		I No	Α	l No	Α
7. Roll stability and damping - 4.4.7					
Oscillations		Reducing	I A	Reducing	A
8. Stability in gentle spirals - 4.4.8		Tioddonig	, ,,	ricasing	, ,,
Tendency to return to straight flight		Spontaneous exit	I A	Spontaneous exit	l A
9. Behaviour exiting a fully developed spiral d	ivo 11			Spontaneous exit	_ ^
	IVE - 4.4.		Α	I lancadiata and estima of anta in term	
Initial response of glider (first 180°) Tendency to return to straight flight		Immediate reduction of rate in turn Spontaneous exit	A	Immediate reduction of rate in turn Spontaneous exit	A
Turn angle to recover normal flight		Less than 720°, spontaneous recovery	Ä	Less than 720°, spontaneous recovery	A
10. Symmetric front collapse - 4.4.10		2000 than 720 ; operhanous recevery		2000 than 720 ; opentarioode recevery	, ,,
		LN		I No.	
Folding lines used Entry	T	No Rocking back less than 45°	А	No Rocking back less than 45°	Α
Recovery	~ 30%	Spontaneous in less than 3 sec	A	Spontaneous in less than 3 sec	A
D' consideration of	trim speed	0° - 30° Keeping course	Α	0° - 30° Entering a turn of less than 90	° A
Dive forward angle on exit Cascade occurs	Ē	No Reeping course	A	No Entering a turn or less than so	A
Entry	*	Rocking back less than 45°	Ä	Rocking back less than 45°	Ä
Recovery	%05 < be	Spontaneous in less than 3 sec	А	Spontaneous in less than 3 sec	Α
Dive forward angle on exit	peeds u	0° - 30° Keeping course	Α	30° - 60° Entering a turn of less than 90	° B
Cascade occurs	Ě	No	Α	No	Α
Entry	50%	Rocking back less than 45°	Α	Rocking back less than 45°	Α
Recovery	erated > 5	Spontaneous in less than 3 sec	Α	Spontaneous in less than 3 sec	Α
Dive forward angle on exit		30° - 60° Keeping course	В	30° - 60° Entering a turn of less than 90	
Cascade occurs	ac	No	Α	No	A
11. Exiting deep stall (parachutal stall) - 4.4.1	1				
Deep stall achieved	-	Yes		Yes	
Recovery		Spontaneous in less than 3 sec	Α	Spontaneous in less than 3 sec	Α
Dive forward angle on exit			В	30° - 60°	В
Change of course		Changing course less than 45°	A	Changing course less than 45°	A
Cascade occurs		No	Α	No	Α

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12. High angle of attack recovery - 4.4.12									
Recovery	Spontaneous in less than 3 sec			Α	Spontaneous in less than 3 sec			Α	
Cascade occurs		No			A	No			A
13. Recovery from a developed full stall - 4.4	INO				NO				
Dive forward angle on exit		30° - 60°		В	30° - 60°			В	
Collapse Cascade occurs (other than collapse)		No collapse No			A A	No collapse No			A
Rocking backward		Less than 45°		Α	Less than 45°			A	
Line tension 14. Asymmetric collapse (trim speed) - 4.4.1	4	Most lines tight		Α	Most lines tight			Α	
Folding lines used		No				No			
Change of course until re-inflation	Se	< 90°	ive or roll angle	0° - 15°	Α	< 90°	Dive or roll angle	15° - 45°	Α
Re-inflation behavior	trim speed, max 50% collapse	Spontaneous re-inflation			Α	Spontaneous re	-inflation	I	Α
Total change of course	trim speed,	Less than 360°			Α	Less than 360° No			Α
Collapse on the opposite side occurs	trin ax 5	No			A				A
Twist occurs Cascade occurs	E	No No			A A	No No			A
Change of course until re-inflation	Ф	< 90°	ive or roll angle	15° - 45°	Α	90° - 180°	Dive or roll angle	15° - 45°	В
Re-inflation behavior	trim speed, max 75% collapse	Coontangous re inflo	tion		A	Sportonoous ro	inflation		Α
Total change of course	spee	Spontaneous re-inflation			A	Spontaneous re-inflation Less than 360°			A
Collapse on the opposite side occurs	trim IX 75	Less than 360°		A	No			A	
Twist occurs	ma	No No			A A	No			A
Cascade occurs			Г			No			
Change of course until re-inflation	əsc	< 90°	ive or roll angle	15° - 45°	Α	90° - 180°	Dive or roll angle	15° - 45°	В
Re-inflation behavior	accelerated, max 50% collapse	Spontaneous re-infla	ition		Α	Spontaneous re	-inflation		Α
Total change of course	accelerated x 50% colla	Less than 360°			Α	Less than 360°			Α
Collapse on the opposite side occurs Twist occurs	acı	No No			A A	No No			A
Cascade occurs		No			Ä	No			A
Change of course until re-inflation	9	90° - 180° Di	ive or roll angle	15° - 45°	В	90° - 180°	Dive or roll angle	15° - 45°	В
Re-inflation behavior	accelerated, max 75% collapse	Spontaneous re-infla	ition		Α	Spontaneous re	-inflation	l	Α
Total change of course	accelerated ix 75% colla	Less than 360°			A	Less than 360°			A
Collapse on the opposite side occurs	a CC	No			Α	No			Α
Twist occurs Cascade occurs	= E	No No			A A	No No			A
15. Directional control with a maintained asyr	mmetric co								
Able to keep course straight		Yes		Α	Yes			Α	
180° turn away from the collapsed side possible	in 10 sec	Yes		Α	Yes			Α	
Amount of control range between turn and stall o	r spin	More than 50% of the symmetric control travel		Α	A More than 50% of the symmetric control travel			Α	
16. Trim speed spin tendency - 4.4.16									
Spin occurs		No		Α	A No			Α	
17. Low speed spin tendency - 4.4.17									
Spin occurs 18. Recovery from a developed spin - 4.4.18		No				No			
	1	140			А				Α
Spin rotation angle after release			e than 90°				a loss than 90°		
		Stops spinning in les	s than 90°		А	Stops spinning i	n less than 90°		А
Cascade occurs 19. B-line-stall - 4.4.19			s than 90°				n less than 90°		
Cascade occurs		Stops spinning in les			А	Stops spinning i			А
Cascade occurs 19. B-line-stall - 4.4.19		Stops spinning in les	s than 45°		A A	Stops spinning i No Changing course		1	A
Cascade occurs 19. B-line-stall - 4.4.19 Change of course before release		Stops spinning in les No Changing course les:	s than 45° straight span		A A	Stops spinning i No Changing course	e less than 45° with straight span	1	A A
Cascade occurs 19. B-line-stall - 4.4.19 Change of course before release Behaviour before release	3	Stops spinning in les No Changing course less Remains stable with	s than 45° straight span		A A A	Stops spinning i No Changing course Remains stable	e less than 45° with straight span	1	A A A
Cascade occurs 19. B-line-stall - 4.4.19 Change of course before release Behaviour before release Recovery Dive forward angle on exit Cascade occurs		Stops spinning in les No Changing course les Remains stable with Spontaneous in less	s than 45° straight span		A A A	Stops spinning i No Changing cours: Remains stable Spontaneous in	e less than 45° with straight span	1	A A A
Cascade occurs 19. B-line-stall - 4.4.19 Change of course before release Behaviour before release Recovery Dive forward angle on exit Cascade occurs 20. Big ears - 4.4.20		Stops spinning in les No Changing course less Remains stable with Spontaneous in less 0° - 30° No	s than 45° straight span		A A A A A	Stops spinning i No Changing course Remains stable Spontaneous in 30° - 60° No	e less than 45° with straight span less than 3 sec	1	A A A A A
Cascade occurs 19. B-line-stall - 4.4.19 Change of course before release Behaviour before release Recovery Dive forward angle on exit Cascade occurs 20. Big ears - 4.4.20 Entry procedure		Stops spinning in les No Changing course less Remains stable with Spontaneous in less 0° - 30° No Standard technique	s than 45° straight span		A A A A A A	Stops spinning i No Changing course Remains stable Spontaneous in 30° - 60° No	e less than 45° with straight span less than 3 sec	1	A A A A A
Cascade occurs 19. B-line-stall - 4.4.19 Change of course before release Behaviour before release Recovery Dive forward angle on exit Cascade occurs 20. Big ears - 4.4.20 Entry procedure Behaviour during big ears		Stops spinning in les No Changing course less Remains stable with Spontaneous in less 0° - 30° No Standard technique Stable flight	s than 45° straight span than 3 sec		A A A A A A	Stops spinning i No Changing course Remains stable Spontaneous in 30° - 60° No Standard technic	e less than 45° with straight span less than 3 sec	1	A A A A A A
Cascade occurs 19. B-line-stall - 4.4.19 Change of course before release Behaviour before release Recovery Dive forward angle on exit Cascade occurs 20. Big ears - 4.4.20 Entry procedure Behaviour during big ears Recovery		Stops spinning in les No Changing course less Remains stable with Spontaneous in less 0° - 30° No Standard technique Stable flight Spontaneous in less	s than 45° straight span than 3 sec		A A A A A A A	Stops spinning i No Changing course Remains stable Spontaneous in 30° - 60° No Standard technic Stable flight Spontaneous in	e less than 45° with straight span less than 3 sec	1	A A A A A A
Cascade occurs 19. B-line-stall - 4.4.19 Change of course before release Behaviour before release Recovery Dive forward angle on exit Cascade occurs 20. Big ears - 4.4.20 Entry procedure Behaviour during big ears Recovery Dive forward angle on exit		Stops spinning in les No Changing course less Remains stable with Spontaneous in less 0° - 30° No Standard technique Stable flight	s than 45° straight span than 3 sec		A A A A A A	Stops spinning i No Changing course Remains stable Spontaneous in 30° - 60° No Standard technic	e less than 45° with straight span less than 3 sec	1	A A A A A A
Cascade occurs 19. B-line-stall - 4.4.19 Change of course before release Behaviour before release Recovery Dive forward angle on exit Cascade occurs 20. Big ears - 4.4.20 Entry procedure Behaviour during big ears Recovery Dive forward angle on exit 21. Big Ears in accelerated flight - 4.4.21		Stops spinning in les No Changing course les: Remains stable with Spontaneous in less 0° - 30° No Standard technique Stable flight Spontaneous in less 0° - 30°	s than 45° straight span than 3 sec than 3 sec		A A A A A A	Stops spinning i No Changing course Remains stable Spontaneous in 30°-60° No Standard technic Stable flight Spontaneous in 0° bis 30°	e less than 45° with straight span less than 3 sec que		A A A A A A
Cascade occurs 19. B-line-stall - 4.4.19 Change of course before release Behaviour before release Recovery Dive forward angle on exit Cascade occurs 20. Big ears - 4.4.20 Entry procedure Behaviour during big ears Recovery Dive forward angle on exit 21. Big Ears in accelerated flight - 4.4.21 Entry procedure		Stops spinning in les No Changing course les: Remains stable with Spontaneous in less 0° - 30° Standard technique Stable flight Spontaneous in less 0° - 30°	s than 45° straight span than 3 sec than 3 sec		A A A A A A A	Stops spinning i No Changing course Remains stable Spontaneous in 30°-60° No Standard technic Stable flight Spontaneous in 0° bis 30° Standard technic	e less than 45° with straight span less than 3 sec que		A A A A A A A
Cascade occurs 19. B-line-stall - 4.4.19 Change of course before release Behaviour before release Recovery Dive forward angle on exit Cascade occurs 20. Big ears - 4.4.20 Entry procedure Behaviour during big ears Recovery Dive forward angle on exit 21. Big Ears in accelerated flight - 4.4.21 Entry procedure Behaviour during big ears		Stops spinning in les No Changing course less Remains stable with Spontaneous in less 0° - 30° No Standard technique Stable flight Spontaneous in less 0° - 30° Special device requii	s than 45° straight span than 3 sec than 3 sec		A A A A A A A A	Stops spinning i No Changing cours: Remains stable Spontaneous in 30°-60° No Standard technic Stable flight Spontaneous in 0° bis 30° Standard technic Stable flight	e less than 45° with straight span less than 3 sec que		A A A A A A A A
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