

TEST REPORT DHV 97 GRADIENT ASPEN 24

Type Gradient Aspen 24		
Certificate-No DHV GS-01-1094-03		
Holder of certificate Turnpoint Fastline GmbH		
Manufacturer Gradient s.r.o.		
Classification 2 GH		
Winch tow Yes		
Number of seats min / Number of seats max 1 / 1		
Accelerator? Yes		
Trimmers? No		
	BEHAVIOUR AT MIN WEIGHT IN FLIGHT(70 KG)	BEHAVIOUR AT MAX WEIGHT IN FLIGHT(85 KG)
Take off	1-2	1
Inflation	evenly, immediately	evenly, immediately
Rising behaviour	comes over pilot delayed	immediately comes over pilot
Take off speed	average	average
Take off handling	easy	easy
Straight flight	1-2	1-2
Trim speed [km/h]	36	38
Accelerated speed [km/h]	0	54
Roll damping	average	high
Turn handling	1-2	1-2
Spin tendency	slight	slight
Control travel	average	average
Agility	high	high
Symmetric stall	1-2	1-2
Deep-stall limit	late > 75 cm	average 60 cm - 75 cm
Full stall limit	late > 90 cm	average 65 cm - 80 cm
Increase in steering power	high	high
Front collapse	1-2	1-2
Pre-acceleration	slight	slight
Opening behaviour	spontaneous, delayed	spontaneous, delayed
Front collapse (accelerated)	-	2
Pre-acceleration	-	slight
Opening behaviour	-	spontaneous, delayed
Asymmetric collapse	2	2
Turn tendency	90 - 180 degrees	90 - 180 degrees
Rate of turn	high	high
Loss of altitude	average	average
Stabilization	spontaneous	spontaneous
Opening behaviour	spontaneous, quickly	spontaneous, quickly
Asymmetric collapse (accelerated)	-	2
Turn tendency	-	90 - 180 degrees
Rate of turn	-	high
Loss of altitude	-	average
Stabilization	-	spontaneous
Opening behaviour	-	spontaneous, quickly
Countersteering an asymmetric collapse	1-2	1-2
Stabilization	countersteering easy	countersteering easy
Control travel	average	average
Control pressure increase	high	high
Turn in opposite direction	easy, no tendency to stall	easy, no tendency to stall
Opening behaviour	spontaneous, delayed	spontaneous, delayed
Full stall, symm. exit	2	1-2
Full stall, asymm. exit	2	2
Spin out of straight flight	2	2

Spin out of turn	1-2	1-2
Spiral dive	1-2	1-2
	Entry easy	easy
	Spin tendency slight	slight
	Exit spontaneous	spontaneous
B-line stall	1-2	1
	Entry easy	easy
	Exit spontaneous	spontaneous
Landing	1-2	1
	Landing behaviour easy	easy
Supplementary remarks		

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