


**APPENDIX E**

**RUDDER SERVO CONTROL FUNCTIONAL TEST DATA SHEETS**


 <p><b>SERVICE METHODES METHOD DEPARTMENT</b></p>	<p><b>PROCES VERBAL DE RECETTE INDIVIDUELLE ACCEPTANCE TEST REPORT</b></p> <p>Désignation : Upper rudder servocontrol MSN 420 investigation Description:</p> <p><b>TYPE / P/N</b> <span style="border: 1px solid black; padding: 2px;">31042-130</span>    <b>N° DE SERIE / S/N</b> <span style="border: 1px solid black; padding: 2px;">W1063</span></p>	<p><b>N° D'O.F. :</b></p> <p>PLAN ES : 339781-502 PLAN EC : 339781-501</p> <p style="text-align: right;">PAGE 1 / 4</p>
---	---	---

Réception suivant : <span style="border: 1px solid black; padding: 2px;">339444-510</span> Acceptance according:	Indice : <span style="border: 1px solid black; padding: 2px;">11</span> Issue:	Dérogations et Particularités : Concessions and Particulars:
---	---	---

	Unité Unit	Demande Request	Obtenu Result
<b>Test under zero pressure</b>			
Nutation Torque (CMM §13) C1 (piston side) C2 (body side)	mdaN mdaN	0<C1<1 0<C2<1	0,47 - No play 0 - With play
Force required to operate the input lever (CMM §6-1) – Test finger extended Extension Retraction	Kgf kgf	5<f1<7 5<f1<7	6 / 6.2 6.3 / 6.2
Switch continuity Between A C Between A B Between C B	Ω Ω Ω	Not specified Not specified Not specified	Infinite Infinite 0.54
Switch insulation Between B, ground Between C, ground	MΩ MΩ	> 20 > 20	35 62


<b>Banc</b> Bench	<b>VISA</b>	<b>CONTROLLE QUALITE / QUALITY INSPECTION DELEGATION DE CONTROLE / INSPECTION'S TRW A.S.G / TRW A.S.G</b>
<b>Opérateur</b> Operator	<b>DATE</b>	<b>Poinçon / Stamp</b> <b>Date</b>
	<span style="border: 1px solid black; padding: 2px;">15/03/2001</span>	

<b>Indice / Issue:</b>	<b>Nom du rédacteur / Editor name:</b>	<b>Date de rédaction / Date of writing:</b>
------------------------	--	---

 <b>SERVICE METHODES</b> <b>METHOD DEPARTMENT</b>		<b>PROCES VERBAL DE RECETTE INDIVIDUELLE</b> <b>ACCEPTANCE TEST REPORT</b>		<b>PAGE</b>  2 / 4
<b>Désignation :</b> Upper rudder servocontrol MSN 420 investigation <b>Description:</b>		<b>TYPE / P/N</b> 31042-130 <b>N° DE SERIE / S/N</b> W1063		
<b>Test under pressure</b>	<b>Unité</b> <b>Unit</b>	<b>Demande</b> <b>Request</b>	<b>Obtenu</b> <b>Result</b>	
Finger test (CMM §1)				
Finger test extended	bar	2<P1<7	5.8	
Finger test retracted	bar	10<P'1<30	13.8	
Measurement of the gap between neutral position and fixed stop				
Piston side	mm	Not specified	7.71 / 7.70	
Rudder side	mm	Not specified	8.19 / 8.10	
External leakage		No leakage	No leakage	
Setting of the input lever to the neutral position				
Dead travel (CMM §7)	mm	X1-X2  < 0.18	0.06	
Input lever travel between fixed stop (CMM §4-2)				
Extension	mm	8.51<L1<11.3	10.34	
Retraction	mm	8.51<L2<11.3	9.61	
Input lever travel between test stop (CMM §4-1)				
Retraction	mm	1.7<L1<5.96	5.1	
Extension	mm	1.7<L2<5.96	3.65	
Illumination of the microswitch – test stop				
Travel to illuminate the micro switch (from the finger test stops) (CMM §5-1)				
Retraction – I1	mm	1.06<ΔI1<2.13	1.75	
Extension – L'1	mm	1.06<ΔL'1<2.13	1.7	
Travel to extinguish the micro switch (CMM §5-2)				
Retraction – I2	mm	ΔL1-0.5<ΔI2<ΔL1	1.5	
Extension – L'2	mm	ΔL'1-0.5<ΔI'2<ΔL'1	1.5	
Illumination of the microswitch – fixed stop (CMM §5-3)				
Retraction	mm	2.77<lr<8.08	4.95	
Extension	mm	2.77<le<8.08	5.1	
Force required to operate the input lever (CMM §6-1) – Test finger retracted				
Extension	N	f3<2	0.5	
Retraction	N	f'3<2	0.3	


Pour vérification et approbation de la création et des évolutions, voir la fiche des évolutions : J24-T  
 For checking and approval of the creation and evolution, see evolution sheet J24-T

J05-T3

 <b>SERVICE METHODES</b> <b>METHOD DEPARTMENT</b>		<b>PROCES VERBAL DE RECETTE INDIVIDUELLE</b> <b>ACCEPTANCE TEST REPORT</b>		PAGE
<b>Désignation : Upper rudder servocontrol MSN 420 investigation</b> Description:				3 / 4
<b>TYPE / P/N</b> <span style="border: 1px solid black; padding: 2px;">31042-130</span> <b>N° DE SERIE / S/N</b> <span style="border: 1px solid black; padding: 2px;">W1063</span>				
		Unité Unit	Demande Request	Obtenu Result
Overall travel of the servocontrol (CMM §8)		mm mm	C = 157 +0.55/-0.4	156.9 156.8
Internal leakage (CMM §11)		cm <sup>3</sup> /mn cm <sup>3</sup> /mn cm <sup>3</sup> /mn cm <sup>3</sup> /mn cm <sup>3</sup> /mn cm <sup>3</sup> /mn	350<Q1<450 Q2 Q2-Q1<200 Q3 Q3-Q1<400 Q'2 Q'2-Q1<200	290 10 300 380 90 300 10
Jet pipe consumption		retraction		
Permanent consumption		middle		
		extension		
Opening pressure of the by pass valve (without supply pressure)		bar bar	Not specified Not specified	7 7
Flow rate of the calibrated damping ports with ΔP = 20 bar (CMM §2-1, 2-2)		l/mn l/mn	10<Q<15 10<Q'<15	11.9 14.2
Opening pressure of the by pass valve with supply pressure (CMM §2-3, 2-4)		bar bar	206<P2<216 206<P'2<216	209 212
Non return valve (CMM §3)		cm <sup>3</sup> /mn	Q1<6	1

Pour vérification et approbation de la création et des évolutions, voir la fiche des évolutions : J24-T  
 For checking and approval of the creation and evolution, see evolution sheet J24-T


J05-T3

 <b>SERVICE METHODES</b> METHOD DEPARTMENT	<b>PROCES VERBAL DE RECETTE INDIVIDUELLE</b> ACCEPTANCE TEST REPORT	<b>PAGE</b>  4 / 4
Désignation : Upper rudder servocontrol MSN 420 investigation Description:		
<b>TYPE / P/N</b> <span style="border: 1px solid black; padding: 2px;">31042-130</span>	<b>N° DE SERIE / S/N</b> <span style="border: 1px solid black; padding: 2px;">W1063</span>	
<b>Unité</b>	<b>Demande</b>	<b>Obtenu</b>
Unit	Request	Result

Pressure in chambers by applying 206 bar via the supply line CA CB Pressure in chambers allowing the piston to move Via CA Via CB Stall load ( $P_1 + P_{Fi}$ ) CA CB	bar bar bar bar bar bar	N N N N N N	$P_A$ $P_B$ $P_{FB}$ $P_{FA}$ $P_A - P_{FA}$ $P_B - P_{FB}$	$F_A$ $F_B$ $F_{FB}$ $F_{FA}$ $F_A - F_{FA}$ $F_B - F_{FB}$	205 205 0.3 0.25 204.75 204.7	10143 10143 15 12 10131 10128
Speeds of the servocontrol under 103 bars Intermediate speed Extension Retraction Maximum no load speed Extension Retraction	mm/s mm/s mm/s mm/s		$14.1 < V < 20.5$ $14.1 < V < 20.5$ $86.8 < V < 120.2$ $86.8 < V < 120.2$		17.7 19.8 119.5 118.4	
Speeds of the servocontrol (CMM §12) under 206 bars Intermediate speed Extension Retraction Maximum no load speed Extension Retraction	mm/s mm/s		$20 < V < 29$ $20 < V < 29$		25 28	
	mm/s mm/s		$122.7 < V < 170$ $122.7 < V < 170$		169 167.5	


Pour vérification et approbation de la création et des évolutions, voir la fiche des évolutions : J24-T  
 For checking and approval of the creation and evolution, see evolution sheet J24-T


J05-T3

 <b>SERVICE METHODES</b> <b>METHOD DEPARTMENT</b>		<b>PROCES VERBAL DE RECETTE INDIVIDUELLE</b> <b>ACCEPTANCE TEST REPORT</b>		<b>N° D'O.F. :</b>  <b>PLAN ES : 339781-502</b> <b>PLAN EC : 339781-501</b>		<b>PAGE</b>  1 / 4	
<b>Désignation : Middle rudder servocontrol MSN 420 investigation</b> Description: <b>TYPE / P/N</b> <input type="text" value="31042-130"/> <b>N° DE SERIE / S/N</b> <input type="text" value="W487"/>		<b>Indice :</b> <input type="text" value="11"/> Issue:		<b>Dérogations et Particularités :</b> Concessions and Particulars:		<b>Amendement :</b> Amendment:	
<b>Réception suivant :</b> <input type="text" value="339444-510"/> Acceptance according:							
				<b>Unité</b> Unit		<b>Obtenu</b> Result	
<b>Test under zero pressure</b>				<b>Demande</b> Request			
Nutation Torque (CMM §13) C1 (piston side) C2 (body side)				0<C1<1 0<C2<1		1.225 / 0.665 0.184 / 0.088	
Force required to operate the input lever (CMM §6-1) – Test finger extended Extension Retraction				Kg kgf		6 6	
Switch continuity Between A C Between A B Between C B				Not specified Not specified Not specified		Infinite Infinite 0.54	
Switch insulation Between B, ground Between C, ground				MΩ MΩ		30 000 25 000	
<b>Banc</b> Bench		<input type="text"/>		<b>CONTRÔLE QUALITE / QUALITY INSPECTION</b> <b>DELEGATION DE CONTROLE / INSPECTION'S</b> TRW A.S.G / TRW A.S.G		<input type="text"/>	
<b>Opérateur</b> Operator		<input type="text"/>		<b>Poinçon / Stamp</b>		<input type="text"/>	
<b>Indice / Issue:</b>		<b>Nom du rédacteur / Editor name:</b>		<b>Date de rédaction / Date of writing:</b>		<input type="text"/>	
<b>VISA</b>		<input type="text"/>		<b>DATE</b>		<input type="text"/>	
<input type="text"/>		<input type="text"/>		<input type="text"/>		<input type="text"/>	
<input type="text"/>		<input type="text"/>		<input type="text"/>		<input type="text"/>	

Pour vérification et approbation de la création et des évolutions, voir la fiche des évolutions : J24-T  
For checking and approval of the creation and evolution, see evolution sheet J24-T

J05-T3


 <b>SERVICE METHODES</b> <b>METHOD DEPARTMENT</b>		<b>PROCES VERBAL DE RECETTE INDIVIDUELLE</b> <b>ACCEPTANCE TEST REPORT</b>		<b>PAGE</b>  2 / 4
<b>Désignation :</b> Middle rudder servocontrol MSN 420 investigation <b>Description:</b> <b>TYPE / P/N</b> 31042-130 <b>N° DE SERIE / S/N</b> W487		<b>Unité</b> Unit		<b>Obtenu</b> Result
<b>Test under pressure</b>		<b>Demande</b> Request		
Finger test (CMM §1)				
Finger test extended	bar			6.5
Finger test retracted	bar		2 < P1 < 7 10 < P'1 < 30	14.0
Measurement of the gap between neutral position and fixed stop	mm		Not specified	7.89 / 7.88
Piston side	mm		Not specified	7.80 / 8.04
Rudder side	mm		No leakage	No leakage
External leakage				
Setting of the input lever to the neutral position				
Dead travel (CMM §7)	mm		X1-X2  < 0.18	0.08 0.12
50 bar				
206 bar				
Input lever travel between fixed stop (CMM §4-2)	mm		8.51 < L1 < 11.3 8.51 < L2 < 11.3	10.0 10.05
Extension	mm		1.7 < L1 < 5.96	3.2
Retraction	mm		1.7 < L2 < 5.96	3.2
Input lever travel between test stop (CMM §4-1)	mm		1.06 < Δl1 < 2.13 1.06 < Δl'1 < 2.13	2.45 2.30
Retraction	mm		ΔL1 - 0.5 < Δl2 < ΔL1 ΔL'1 - 0.5 < Δl'2 < ΔL'1	2.15 2.05
Extension	mm		2.77 < l r < 8.08 2.77 < l e < 8.08	5.65 5.5
Illumination of the microswitch – test stop				
Travel to illuminate the micro switch (from the finger test stops) (CMM §5-1)	mm			
Retraction – l1	mm			
Extension – L'1	mm			
Travel to extinguish the micro switch (CMM §5-2)	mm			
Retraction – l2	mm			
Extension – L'2	mm			
Illumination of the microswitch – fixed stop (CMM §5-3)				
Retraction	mm			
Extension	mm			

 <b>SERVICE METHODES</b> <b>METHOD DEPARTMENT</b>		<b>PROCES VERBAL DE RECETTE INDIVIDUELLE</b> <b>ACCEPTANCE TEST REPORT</b>			PAGE
<b>Désignation : Middle rudder servocontrol MSN 420 investigation</b> Description: <b>TYPE / P/N</b> <span style="border: 1px solid black; padding: 2px;">31042-130</span> <b>N° DE SERIE / S/N</b> <span style="border: 1px solid black; padding: 2px;">W487</span>					3 / 4
		Unité Unit	Demande Request	Obtenu Result	
Force required to operate the input lever (CMM §6-1) – Test finger retracted		N	f3<2	0.4	
Retraction		N	f'3<2	0.9	
Overall travel of the servocontrol (CMM §8)		mm	C = 157 +0.55/-0.4	156.95	
50 bar		mm		156.8	
Internal leakage (CMM §11)		cm <sup>3</sup> /mn	350<Q1<450	<b>300</b>	
Jet pipe consumption		cm <sup>3</sup> /mn	Q2	310	
Permanent consumption		cm <sup>3</sup> /mn	Q2-Q1<200	10	
retraction		cm <sup>3</sup> /mn	Q3	660	
middle		cm <sup>3</sup> /mn	Q3-Q1<400	360	
extension		cm <sup>3</sup> /mn	Q'2	330	
		cm <sup>3</sup> /mn	Q'2-Q1<200	30	
Opening pressure of the by pass valve (without supply pressure)		bar	Not specified	5.8	
Applied in CA		bar	Not specified	5.6	
Applied in CB					
Flow rate of the calibrated damping ports with ΔP = 20 bar (CMM §2-1, 2-2)		l/mn	10<Q<15	12.4	
Extension		l/mn	10<Q'<15	14.3	
Retraction					
Opening pressure of the by pass valve with supply pressure (CMM §2-3, 2-4)		bar	206<P2<216	210	
Extension		bar	206<P'2<216	210	
Retraction					
Non return valve (CMM §3)		cm <sup>3</sup> /mn	Q1<6	1.5	

Pour vérification et approbation de la création et des évolutions, voir la fiche des évolutions : J24-T  
 For checking and approval of the creation and evolution, see evolution sheet J24-T

J05-T3




 SERVICE METHODES METHOD DEPARTMENT	<b>PROCES VERBAL DE RECETTE INDIVIDUELLE</b> ACCEPTANCE TEST REPORT		<b>PAGE</b>  4 / 4
	Désignation : Middle rudder servocontrol MSN 420 investigation Description: <b>TYPE / P/N</b> <span style="border: 1px solid black; padding: 2px;">31042-130</span> <b>N° DE SERIE / S/N</b> <span style="border: 1px solid black; padding: 2px;">W487</span>		
<b>Unité</b> Unit		<b>Demande</b> Request	<b>Obtenu</b> Result

Pressure in chambers by applying 206 bar via the supply line CA CB	bar bar	N N	$P_A$ $P_B$	$F_A$ $F_B$	205 205	10143 10143
Pressure in chambers allowing the piston to move Via CA Via CB	bar bar	N N	$P_{FB}$ $P_{FA}$	$F_{FB}$ $F_{FA}$	0.7 0.7	35 35
Stall load ( $P_1 + P_{Fi}$ ) CA CB	bar bar	N N	$P_A - P_{FA}$ $P_B - P_{FB}$	$F_A - F_{FA}$ $F_B - F_{FB}$	204.3 204.3	10108 10108
Speeds of the servocontrol under 103 bars Intermediate speed Extension Retraction Maximum no load speed Extension Retraction	mm/s mm/s mm/s mm/s		$14.1 < V < 20.5$ $14.1 < V < 20.5$	$18.6$ $20.8$	115.9 115.5	
Speeds of the servocontrol (CMM §12) under 206 bars Intermediate speed Extension Retraction Maximum no load speed Extension Retraction	mm/s mm/s mm/s mm/s		$20 < V < 29$ $20 < V < 29$	$26.5$ $29.5$	164 163.5	

Pour vérification et approbation de la création et des évolutions, voir la fiche des évolutions : J24-T  
 For checking and approval of the creation and evolution, see evolution sheet J24-T


J05-T3

 <b>SERVICE METHODES</b> <b>METHOD DEPARTMENT</b>	<b>PROCES VERBAL DE RECETTE INDIVIDUELLE</b> <b>ACCEPTANCE TEST REPORT</b>		<b>N° D'O.F. :</b> PLAN ES : 339781-502 PLAN EC : 339781-501	<b>PAGE</b> 1 / 4
	Désignation : Lower rudder servocontrol MSN 420 investigation Description: <b>TYPE / P/N</b> <input type="text" value="31042-130"/> <b>N° DE SERIE / S/N</b> <input type="text" value="E9291"/>			
Réception suivant : <input type="text" value="339444-510"/> Acceptance according:	Indice : <input type="text" value="11"/> Issue:	Dérogations et Particularités : Concessions and Particulars:		
<b>Test under zero pressure</b> Nutation Torque (CMM §13) C1 (piston side) C2 (body side)		<b>Unité</b> Unit	<b>Demande</b> Request	<b>Obtenu</b> Result
Force required to operate the input lever (CMM §6-1) – Test finger extended Extension Retraction		mdaN mdaN	0<C1<1 0<C2<1	0.1 / 0.12 - No play 0 - Light play
Switch continuity Between A C Between A B Between C B		KgF kgf	5<f1<7 5<f1<7	6.4 5
Switch insulation Between B, ground Between C, ground		$\Omega$ $\Omega$ $\Omega$	Not specified Not specified Not specified	Infinite Infinite 0.57
		M $\Omega$ M $\Omega$	> 20 > 20	580 600

<b>Banc</b> Bench	<b>VISA</b>	<b>CONTROLE QUALITE / QUALITY INSPECTION</b> <b>DELEGATION DE CONTROLE / INSPECTION'S</b> TRW / A.S.G / TRW A.S.G
<b>Opérateur</b> Operator	<b>DATE</b>	<b>Poinçon / Stamp</b>
19/03/2001	<input type="text"/>	<input type="text"/>
<b>Indice / Issue:</b>		<b>Date de rédaction / Date of writing:</b>
<input type="text"/>		<input type="text"/>


Pour vérification et approbation de la création et des évolutions, voir la fiche des évolutions : J24-T  
 For checking and approval of the creation and evolution, see evolution sheet J24-T

J05-T3

 <b>SERVICE METHODES</b> <b>METHOD DEPARTMENT</b>		<b>PROCES VERBAL DE RECETTE INDIVIDUELLE</b> <b>ACCEPTANCE TEST REPORT</b>		<b>PAGE</b>  2 / 4			
<b>Désignation : Lower rudder servocontrol MSN 420 investigation</b> Description: <b>TYPE / P/N</b> <input type="text" value="31042-130"/> <b>N° DE SERIE / S/N</b> <input type="text" value="E9291"/>		<b>Unité</b> Unit		<b>Demande</b> Request		<b>Obtenu</b> Result	
<b>Test under pressure</b>							
Finger test (CMM §1)							
Finger test extended		bar		2 < P1 < 7		6.8	
Finger test retracted		bar		10 < P'1 < 30		14.6	
Measurement of the gap between neutral position and fixed stop							
Piston side		mm		Not specified		8.13 / 7.9	
Rudder side		mm		Not specified		7.73 / 7.68	
External leakage				No leakage		No leakage	
Setting of the input lever to the neutral position							
Dead travel (CMM §7)							
50 bar		mm		X1-X2  < 0.18		0.04	
206 bar		mm				0.08	
Input lever travel between fixed stop (CMM §4-2)							
Extension		mm		8.51 < L1 < 11.3		9.76	
Retraction		mm		8.51 < L2 < 11.3		10.26	
Input lever travel between test stop (CMM §4-1)							
Retraction		mm		1.7 < L1 < 5.96		4.2	
Extension		mm		1.7 < L2 < 5.96		2.76	
Illumination of the microswitch – test stop							
Travel to illuminate the micro switch (from the finger test stops) (CMM §5-1)							
Retraction – I1		mm		1.06 < ΔI1 < 2.13		2.4	
Extension – L'1		mm		1.06 < ΔL'1 < 2.13		2.24	
Travel to extinguish the micro switch (CMM §5-2)							
Retraction – I2		mm		ΔL1-0.5 < ΔI2 < ΔL1		2.05	
Extension – L'2		mm		ΔL'1-0.5 < ΔL'2 < ΔL'1		1.94	
Illumination of the microswitch – fixed stop (CMM §5-3)							
Retraction		mm		2.77 < Ir < 8.08		6.6	
Extension		mm		2.77 < Ie < 8.08		5	


Pour vérification et approbation de la création et des évolutions, voir la fiche des évolutions : J24-T  
For checking and approval of the creation and evolution, see evolution sheet J24-T

J05-T3

 <b>SERVICE METHODES</b> <b>METHOD DEPARTMENT</b>		<b>PROCES VERBAL DE RECETTE INDIVIDUELLE</b> <b>ACCEPTANCE TEST REPORT</b>		<b>PAGE</b>  3 / 4			
<b>Désignation : Lower rudder servocontrol MSN 420 investigation</b> Description: <b>TYPE / P/N</b> <span style="border: 1px solid black; padding: 2px;">31042-130</span> <b>N° DE SERIE / S/N</b> <span style="border: 1px solid black; padding: 2px;">E9291</span>		<b>Unité</b> Unit		<b>Demande</b> Request		<b>Obtenu</b> Result	
Force required to operate the input lever (CMM §6-1) – Test finger retracted Extension Retraction		N N		f3<2 f'3<2		0.65 0.55	
Overall travel of the servocontrol (CMM §8) 206 bar 50 bar		mm mm		C = 157 +0.55/-0.4		157.1 156.9	
Internal leakage (CMM §11) Jet pipe consumption Permanent consumption    retraction middle extension		cm <sup>3</sup> /mn cm <sup>3</sup> /mn cm <sup>3</sup> /mn cm <sup>3</sup> /mn cm <sup>3</sup> /mn cm <sup>3</sup> /mn		350<Q1<450 Q2 Q2-Q1<200 Q3 Q3-Q1<400 Q'2 Q'2-Q1<200		<b>0 / 0 / 60</b> 170 170 / 170 / 110 590 <b>590 / 590 / 530</b> 150 150 / 150 / 90	
Opening pressure of the by pass valve (without supply pressure) Applied in CA Applied in CB		bar bar		Not specified Not specified		6 5.6	
Flow rate of the calibrated damping ports with ΔP = 20 bar (CMM §2-1, 2-2) Extension Retraction		l/mn l/mn		10<Q<15 10<Q'<15		12.09 14.4	
Opening pressure of the by pass valve with supply pressure (CMM §2-3, 2-4) Extension Retraction		bar bar		206<P2<216 206<P'2<216		210 210	
Non return valve (CMM §3)		cm <sup>3</sup> /mn		Q1<6		1.5	

Pour vérification et approbation de la création et des évolutions, voir la fiche des évolutions : J24-T  
For checking and approval of the creation and evolution, see evolution sheet J24-T

J05-T3

 <b>SERVICE METHODES</b> <b>METHOD DEPARTMENT</b>		<b>PROCES VERBAL DE RECETTE INDIVIDUELLE</b> <b>ACCEPTANCE TEST REPORT</b>		PAGE
<b>Désignation :</b> Lower rudder servocontrol MSN 420 investigation <b>Description:</b>				4 / 4
<b>TYPE / P/N</b> 31042-130		<b>N° DE SERIE / S/N</b> E9291		
		Unité Unit	Demande Request	Obtenu Result
Pressure in chambers by applying 206 bar via the supply line CA CB		bar bar	$P_A$ $P_B$	204 205
Pressure in chambers allowing the piston to move Via CA Via CB		bar bar	$P_{FB}$ $P_{FA}$	0.85 1.15
Stall load ( $P_1 + P_{F1}$ ) CA CB		bar bar	$P_A - P_{FA}$ $P_B - P_{FB}$	202.85 203.15
Speeds of the servocontrol under 103 bars Intermediate speed Extension Retraction Maximum no load speed Extension Retraction		mm/s mm/s	$14.1 < V < 20.5$ $14.1 < V < 20.5$	18.0 <b>20.7</b>
Speeds of the servocontrol (CMM §12) under 206 bars Intermediate speed Extension Retraction Maximum no load speed Extension Retraction		mm/s mm/s	$86.8 < V < 120.2$ $86.8 < V < 120.2$	112.6 112.8
		mm/s mm/s	$20 < V < 29$ $20 < V < 29$	25.5 <b>29.3</b>
		mm/s mm/s	$122.7 < V < 170$ $122.7 < V < 170$	159.3 159.5

Pour vérification et approbation de la création et des évolutions, voir la fiche des évolutions : J24-T  
 For checking and approval of the creation and evolution, see evolution sheet J24-T

J05-T3