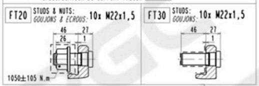
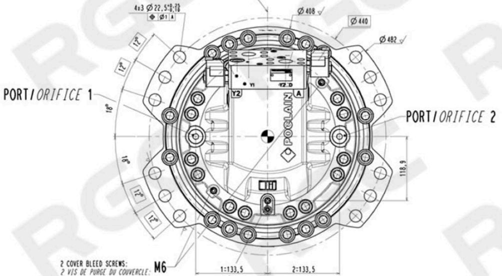
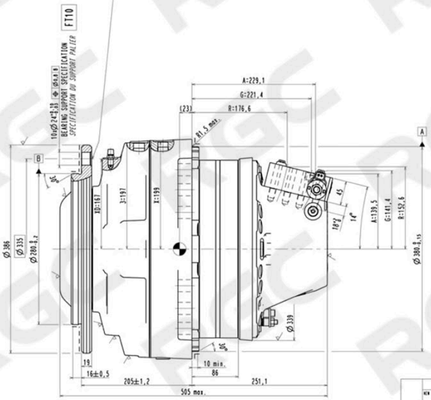
BEARING SUPPORT SPECIFICATION
SPECIFICATION DU SUPPORT PALIER FTX0


FT20
STUDS & NUTS:
GOUJONS & ECROUS: 10x M22x1,5
46
27
26
1
1050±105 N.m
FT30
STUDS:
GOUJONS: 10x M22x1,5
46
27
1

⚠ BRAKE BEARING SUPPORT :
RECOMMENDED ORIENTATION : RADIAL FORCES TO BE ORIENTED ALONG THE BRAKE BEARING SUPPORT AXIS.
FOR OTHER ORIENTATIONS PLEASE CONTACT POCLAIN HYDRAULICS.
SUPPORT PALIER DE FREIN :
ORIENTATION RECOMMANDEE : CHARGES RADIALES A ORIENTER SUIVANT L'AXE DU SUPPORT PALIER FREINE.
POUR D'AUTRES ORIENTATIONS, MERCI DE CONTACTER POCLAIN HYDRAULICS


4x3 Ø22,5 +0,25/-0,18
⌖ Ø1 A
Ø408 √
Ø440
Ø482 √
12°
12°
18°
18°
12°
12°
PORT/*ORIFICE* 1
PORT/*ORIFICE* 2
Y1
Y2
Y2
A
POCLAIN
118,9
1:133,5
2:133,5

2 COVER BLEED SCREWS:
2 VIS DE PURGE DU COUVERCLE: M6


FT10
10xØ24 +0,18/-0,03
⌖ Ø0,8 B
BEARING SUPPORT SPECIFICATION
SPECIFICATION DU SUPPORT PALIER
A:229,1
G:221,4
(23)
R:176,6
R1,5 max.
A
B
30°
XD:167
3:197
X:199
Ø386
Ø335
Ø280 0/-0,2
45
14°
18°2
A:139,5
G:141,4
R:152,6
Ø380 0/-0,15
Ø339
30°
19
16±0,5
10 min.
86
205±1,2
251,1
505 max.

OTHERS SPECIFICATIONS / *AUTRES SPECIFICATIONS*

FOR INSTALLATION OF THE PRODUCT, REFER TO TECHNICAL CATALOGUE AND INSTALLATION GUIDE

POUR L'INSTALLATION DU PRODUIT, SE REFERER AU CATALOGUE TECHNIQUE ET AU GUIDE D'INSTALLATION

PH RECOMMENDS AT LEAST 6mm GAP BETWEEN MARKED SURFACES √ AND NEARBY STRUCTURES.

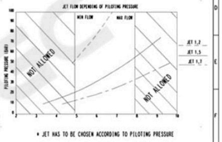
PH RECOMMANDE UNE DISTANCE D'AU MOINS 6mm ENTRE LES SURFACES REPEREES √ ET LES STRUCTURES ADJACENTES.

ALL HYDRAULIC ORIFICES, ALL THREADED ITEMS AND ID-PLATE ARE PROTECTED AGAINST PAINT.

TOUS LES ORIFICES HYDRAULIQUES, TOUS LES TARAUDAGES ET LA PLAQUE-ID SONT PROTEGES CONTRE LA PEINTURE.

-- NO PAINT -- *ABSENCE DE PEINTURE*

◐ GRAVITY CENTRE ◐ *CENTRE DE GRAVITE*

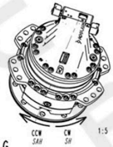


* JET HAS TO BE CHOSEN ACCORDING TO PILOTING PRESSURE

MOTOR	*MOTEUR*		MHP27							
CAM SPECIFICATION	*SPECIFICATION CAME*		XXX	7	8	9	0	1	2	3
DISPLACEMENT	*CYLINDREE*	SM1		710	817	913	1017	1117	1217	1322
		SM2		473	545	608	678	745	811	881
		SM3		710	817	913	1017	1117	1217	1322
TYPE OF DISTRIBUTION	*TYPE DE DISTRIBUTION*	1C	SM1 + SM2 + SM3							
		2C	SM2 + SM3							
		3C	L H : SM3				N P : SM2			
DRAIN PRESSURE CONTINUOUS / PEAK	*PRESSION CARTER CONTINUE / EN PICS*		bar	1/3 (OPTION E 1/10)						
PRESSURE PILOT MIN./MAX.	*PRESSION PILOTAGE MIN./MAX.*		bar	10/100						

BRAKE SPECIFICATION WITH OIL HV46/*SPECIFICATIONS DU FREIN POUR DE L'HUILE HV46*

DONNEES GENERALES *GENERAL DATA*	NEW PARKING BRAKE CHAMBER PILOTING VOLUME MAX		*VOLUME DE PILOTAGE CHAMBRE PISTON DE FREIN DE PARKING A NEUF MAX*	cc	32,3
	NEW DYNAMIC BRAKE CHAMBER PILOTING VOLUME MAX		*VOLUME DE PILOTAGE CHAMBRE PISTON DE FREIN DE SERVICE A NEUF MAX*	cc	49,4
	MAXIMAL ROTATION SPEED		*FREQUENCE DE ROTATION MAXIMALE*	TR/MIN	200
	DYNAMIC BRAKE TORQUE	VALUES FOR DYNAMIC BRAKING @ MAX DYNAMIC BRAKE PILOT PRESSURE FROM 150 RPM TO 0 RPM	*COUPLE DE FREIN DYNAMIQUE*	N.m	32000
	DYNAMIC BRAKE PILOT PRESSURE MAX		*PRESSION DE PILOTAGE FREIN DYNAMIQUE MAX*	bar	70
	MIN/MAX FLUSHING FLOW		*DEBIT DE BALAYAGE MIN/MAX*	L/MIN	5/8
	SERVICE BRAKE MAXIMAL ALLOWED ENERGY		*ENERGIE MAXIMALE ADMISSIBLE DU FREIN DE SERVICE*	kJ	500
	EMERGENCY BRAKE MAXIMAL ALLOWED ENERGY		*ENERGIE MAXIMALE ADMISSIBLE DU FREIN DE SECOURS*	kJ	1000
	EMERGENCY BRAKE TORQUE MIN/MAX		*COUPLE DE FREIN DE SECOURS MIN/MAX*	Nm	24000/29500
	NUMBER OF PARKING BRAKE APPLICATIONS		*NOMBRE DE PILOTAGE DU FREIN DE PARKING*	N/A	200000
DONNEES DE CONTROLE *CONTROL DATA*	STATIC BRAKE TORQUE MIN IN NEW		*COUPLE DE FREIN STATIQUE MIN A NEUF*	N.m	18000
	BRAKE RELEASE PRESSURE MIN/MAX		*PRESSION DE DEFREINAGE MIN/MAX*	bar	100/125


POCLAIN
CCW
SAH
CW
SH

1:5

	PORTS	*ORIFICES*	
A	FEEDING (INLET)	*ALIMENTATION*	PN400 DN25-NF ISO 6162-2; 4xM12
R	FEEDING (OUTLET)	*RETOUR*	PN400 DN25-NF ISO 6162-2; 4xM12
G	PILOT/FLUSHING INLET	*PILOTAGE/ENTREE BALAYAGE*	M14x1,5 - ISO 9974-1
1, 2	DRAIN	*DRAINAGE*	M22x1,5 - ISO 9974-1
X	PARKING BRAKE	*FREIN DE STATIONNEMENT*	M20x1,5 - ISO 9974-1
XD	DYNAMIC BRAKE	*FREIN DE SERVICE*	M14x1,5 - ISO 9974-1
3	FLUSHING OUTLET	*SORTIE BALAYAGE*	M22x1,5 - ISO 9974-1

SUPPLY VOLTAGE	12 V DC
CONNECTOR / *CONNECTEUR*	Deutsch DT04-2P

OPTION
TACHOMETER/
TACHYMETRIE
WITHOUT OPTION : NO MACHINING
SANS OPTION : PAS D'USINAGE

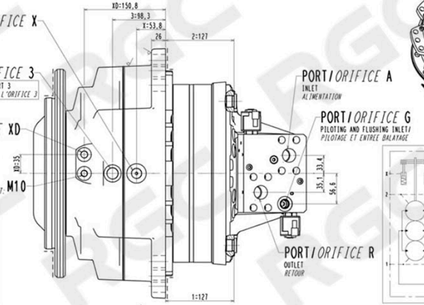
PORT/*ORIFICE* X

PORT/*ORIFICE* 3

⚠ MANDATORY: FLUSHING OUTLET ON PORT 3
OBLIGATOIRE: SORTIE BALAYAGE SUR L'ORIFICE 3

PORT/*ORIFICE* XD

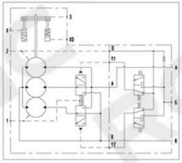
BRAKE BLEED SCREW TO BE ORIENTED ON THE TOP:
VIS DE PURGE DU FREIN A ORIENTER VERS LE HAUT: M10


XD:150,8
3:98,3
X:53,8
26
2:127
XD:35
35,1
33,4
56,6
1:127

PORT/*ORIFICE* A
INLET
ALIMENTATION

PORT/*ORIFICE* G
PILOTING AND FLUSHING INLET/
PILOTAGE ET ENTREE BALAYAGE

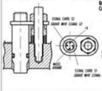
PORT/*ORIFICE* R
OUTLET
RETOUR


3
X
XD
2
D
T1
A
A
G
1
R
Y2
R

OPTION Q

CAPTEUR TACHYMETRIQUE TD
TD TACHOMETER SENSOR

SANS ECHELLE
NO SCALE
CAD_symbol: C

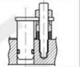

SIGNAL CARRE S2
SQUARE WAVE SIGNAL S2
+V
MASSE
GROUND
SIGNAL CARRE S1
SQUARE WAVE SIGNAL S1

RACCORDEMENT ELECTRIQUE : CONNECTEUR M12
CARACTERISTIQUES:
TENSION D'ALIMENTATION : 8 A 32V
CONSOMMATION DE COURANT : 20 mA max.
TYPE DE SORTIE: 2 SIGNAUX CARRES DEPHASES DE TYPE PUSH-PULL
DEPHASAGE : 25 A 155°
TENSION A L'ETAT BAS : < 1,5V
TENSION A L'ETAT HAUT : > (TENSION D'ALIMENTATION -3,5V)
NOMBRE D'IMPULSIONS PAR TOUR : 120
ELECTRICAL CONNECTION : M12 CONNECTOR
CARACTERISTICS :
POWER SUPPLY : 8 TO 32V
CURRENT CONSUMPTION : 20mA max.
SIGNAL OUTPUT : 2 PUSH-PULL SQUARE WAVE SIGNALS SHIFTED
PHASESHIFT: 25 TO 155°
LOW OUTPUT VOLTAGE : < 1,5V
HIGH OUTPUT VOLTAGE : > (POWER SUPPLY - 3,5V)
PULSE NUMBER PER REVOLUTION : 120

OPTION 8

SANS ECHELLE
NO SCALE
CAD_symbol: C

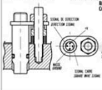
PREDISPOSITION
CAPTEUR TACHYMETRIQUE
PREDISPO TACHOMETER SENSOR



OPTION S

CAPTEUR TACHYMETRIQUE TR
TR TACHOMETER SENSOR

SANS ECHELLE
NO SCALE
CAD_symbol: C

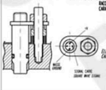

SIGNAL DE DIRECTION
DIRECTION SIGNAL
+V
MASSE
GROUND
SIGNAL CARRE
SQUARE WAVE SIGNAL

RACCORDEMENT ELECTRIQUE : CONNECTEUR M12
CARACTERISTIQUES:
TENSION D'ALIMENTATION : 8 A 32V
CONSOMMATION DE COURANT : 20 mA max.
TYPE DE SORTIE: 1 SIGNAL CARRE DE TYPE PUSH-PULL
ET 1 SIGNAL DE DIRECTION DE TYPE PUSH-PULL
TENSION A L'ETAT BAS : < 1,5V
TENSION A L'ETAT HAUT : > (TENSION D'ALIMENTATION -3,5V)
NOMBRE D'IMPULSIONS PAR TOUR : 120
ELECTRICAL CONNECTION : M12 CONNECTOR
CARACTERISTICS :
POWER SUPPLY : 8 TO 32V
CURRENT CONSUMPTION : 20mA max.
SIGNAL OUTPUT : 1 PUSH-PULL SQUARE WAVE SIGNAL
AND 1 PUSH-PULL DIRECTION SIGNAL
LOW OUTPUT VOLTAGE : < 1,5V
HIGH OUTPUT VOLTAGE : > (POWER SUPPLY - 3,5V)
PULSE NUMBER PER REVOLUTION : 120

OPTION 2

CAPTEUR TACHYMETRIQUE T4
T4 TACHOMETER SENSOR

SANS ECHELLE
NO SCALE
CAD_symbol: C


+V
MASSE
GROUND
SIGNAL CARRE
SQUARE WAVE SIGNAL

RACCORDEMENT ELECTRIQUE : CONNECTEUR M12
CARACTERISTIQUES:
TENSION D'ALIMENTATION : 8 A 30V
CONSOMMATION DE COURANT : 20 mA max.
TYPE DE SORTIE: 1 SIGNAL CARRE DE TYPE PUSH-PULL
TENSION A L'ETAT BAS : < 1,5V
TENSION A L'ETAT HAUT : > (TENSION D'ALIMENTATION -3,5V)
NOMBRE D'IMPULSIONS PAR TOUR : 120
ELECTRICAL CONNECTION : M12 CONNECTOR
CARACTERISTICS :
POWER SUPPLY : 8 TO 30V
CURRENT CONSUMPTION : 20mA max.
SIGNAL OUTPUT : 1 PUSH-PULL SQUARE WAVE SIGNAL
LOW OUTPUT VOLTAGE : < 1,5V
HIGH OUTPUT VOLTAGE : > (POWER SUPPLY - 3,5V)
PULSE NUMBER PER REVOLUTION : 120

PAGE | LOCATION | VERSION | WAS BEFORE REVISION / *ETAT AVANT MODIFICATION*
DATE: | NAME / NOM: | ECO:
TOLERANCES GENERALES / GENERAL TOLERANCES
DISTANCE / LENGTH : ±0,2
ANGLE / ANGLE : ±0,2°
FUNDAMENTAL TOLERANCING PRINCIPLE / *PRINCIPE FONDAMENTAL DE TOLERANCEMENT* : ISO 8015
SHAPE AND POSITION TOLERANCE / *TOLERANCEMENT GEOMETRIQUE* : ISO 1101
SURFACE FINISH / *ETAT DE SURFACE* : ISO 1302
MASS / *MASSE* 240 kg
SCALE 1:2

INT-MHP20-XXX-311-A-FTX0-YX

CREATED / *CREE* on 08-Dec-2015
CHECKED / *VERIFIE* by RICHTARECH

POCLAIN Hydraulics
POCLAIN HYDRAULICS INDUSTRIE
Route de Compiègne
60410 VERBERIE

FORMAT A0
PAGE / *PLANCHE* : 1/1

CADDOC-0330013
VERSION A