	MATERIAL AND SURFACE PROTECTION			MATERIAL AND SURFACE PROTECTION	
I	Al , JED-029M1	C , JED-259	VIII	PA 6.6 , JED-354-1	
II	POM , JED-005M1		IX	Fe , JED-049M0	Zn/C , JED-256-1
III	Fe , JED-051M4	Zn/C , JED-256-4 Ⓚ	X	CuZn 40752 , DIN 17660	
IV	Fe , JED-020-0	Zn/C , JED-256-1			
V	TE , JED-612-0				
VI	STAINLESS STEEL NICHTROSTENDER STAHL ACIER INOXYDABLE JED-058M2 ACCIAIO INOX				
VII	Fe ,JED-051M4	Zn/C ,JED-256			

461 319 263 0
461 319 273 0

461 319 264 0
461 319 274 0

* F PERMISSIBLE (MAX. ZULAESSIG 22000N) ADMISSIBLE AMMISSIBILE

FASTENING PLATE
BEFESTIGUNGSPLATTE
PLAQUE DE FIXATION
PIASTRA DI FISSAGIO

M=MAX.24 Nm

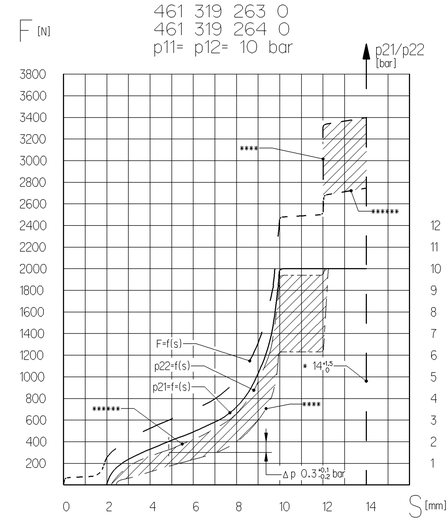
KUNDEN DMC AUFKLEBER
CUSTOMER DMC LABEL
ETIQUETTE DMC DU CLIENT
ETICHETTA DMC DEL CLIENTE

TURNABLE
DREHBAR 360°
TOURNANTE
GIRABILE

SPHERE
KUGEL
SPHERE
SFERA

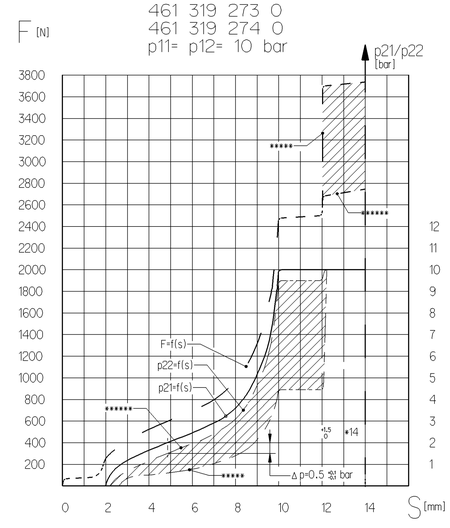
VOSS 232-NG 12
VOSS 232-NG 8

KUNDEN DMC AUFKLEBER
CUSTOMER DMC LABEL
ETIQUETTE DMC DU CLIENT
ETICHETTA DMC DEL CLIENTE



* * * * i = 1.5 : 1 AT BEI EN IN p4 = 0

* * * * * * i = 1 : 1 AT BEI EN IN



* * * * * i = 2 : 1 AT BEI EN IN p4 = 0

AT FAILURE CIRCUIT 1: NECESSARY COURSE S ≥ 14 mm
NECESSARY FOURCE F = 2600 N
BEI AUSFALL KREIS 1: ERFORDERLICHER WEG S ≥ 14 mm
ERFORDERLICHE KRAFT F = 2600 N
EN CAS DE DEFAILNCE: COURSE NECESSARIA S ≥ 14 mm
CIRCUIT 1 FORCE NECESSARIA F = 2600 N
IN CASO DI DIFETTO: CORSA NECESSARIA S ≥ 14 mm
CIRCUITI 1 FORZA NECESSARIA F = 2600 N

11/12	SUPPLY VORRAT ALIMENTATION ALIMENTAZIONE	21/22	OUTLET AUSGANG SORTIE USCITA	3	EXHAUST ENTLUEFTUNG ECHAPPEMENT SCARICO	4	CONTROL PORT STEUERANSCHLUSS ORIFICE DE COMMANDE ORIFIZIO DI COMANDO

* STOP WITHIN THE DEVICE ADMISSIBLE
ANSCHLAG IM GERAET ZULAESSIG
BUTEE DANS L APPARAIL ADMISE
ARRESTO NEL APPARATO AMMISSIBILE

MEDIUM: AIR
MEDIUM: LUFT
FLUIDE: AIR
FLUIDO: ARIA

THERMAL RANGE OF APPLICATION :
THERMISCHER ANWENDUNGSBEREICH: -40 C° ... +80 C°
GAMME D'APPLICATION THERMIQUE:
CAMPO TERMICO D'APPLICAZIONE :

NOMINAL DIAMETER :
NENNWEITE : 78.5mm² ^Ø10
DIAMETRE NOMINAL :
DIAMETRO NOMINALE:

WORKING PRESSURE :
BETRIEBSDRUCK : pe = MAX. 10.2 bar
PRESSION D'UTILISATION:
PRESSIONE DI ESERCIZIO:

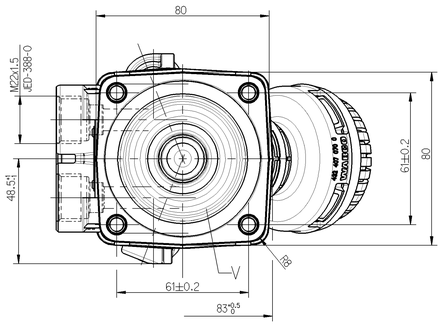
(TEMPORARILY:
(KURZZEITIG: pe = MAX. 13 bar)
(DE COURTE DUREE:
(BREVE TEMPO SOLO:

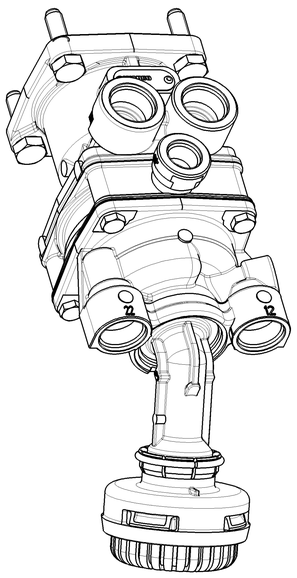
INSTALLATION POSITION : EXHAUST SHOWN AT BASE(AXIS CENTRE OF DEVICE DEVIATES MAX 50° FROM VERTICAL
EINBAULAGE : NACH UNTEN(MITTELACHSE DES GERAETES MAX. 50° VON DER SENKRECHTEN ABWEICHEND
POSITION D' INSTALLATION : ECHAPPMENT VERS LA BAS(EDART DE L' AXE MEDIAN DE L'APPAREIL PAR RAPPORT A LA VERTICALE:50° MAX.
POSIZIONE DI MONTAGGIO : SCARICO VERSO IL BASSO(DEVIAZIONE ASSE APPARECCHIO RISPETTO ALLA VERTICALE:MAX. 50°

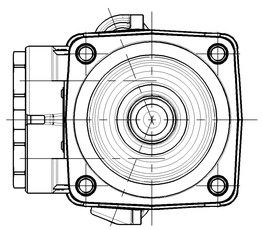
TORQUE FOR CONNECTIONS:
ANZUGSMOMENT FUER EINSCHRAUBSTUTZEN: M16 x1.5: M = MAX. 34Nm
COUPLE DE SERRAGE DES RACCORDS: M22 x1.5: M = MAX. 53Nm
COPPIA DI SERRAGGIO DEI RACCORDI:

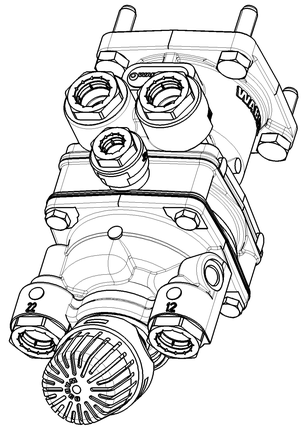
** MARKED AREA FREE FROM PAINT; VENTILATION
MARKIERTER BEREICH FREI VON FARBE; BEATMUNG
PATIE MARQUEE SANS PEINTURE; VENTILATION
PARTE SEGNATA SENZA VERNICE; VENTILAZIONE

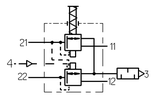
*** ALL ROUND :
ALLSEITIG : MAX.5°
SUR TOUS LES COTES :
SU CIASCUN LATO :











461 319 274 0	A 004 431 62 05	2,0:1	003
461 319 273 0	A 004 431 44 05	2,0:1	005
461 319 264 0	A 004 431 61 05	1,5:1	003
461 319 263 0	A 004 431 43 05	1,5:1	005
WABCO	CUSTOMER'S NO. KUNDEN-NR. No.CLIENT No.CLIENTE	LLV	ZGS
IDENTIFICATION			

General Specification: JED-334-0									
Further Technical Data:									
Doc., Code:					Sheet:		To		
General Tolerances JED-261									
Class 11	Range of Nominal Dimensions (in mm)								
	≤ 50	> 50 ≤ 180	> 180 ≤ 400	> 400					
Fine	0.5	1.0	1.5	2.0					
Medium X	1.0	2.0	3.0	4.0	±5°				
Coarse	2.0	3.5	5.0	6.5					
Tapped Holes acc.:									
11 Tolerance Class Applied Crossmarked									

Copyright WABCO®
Date | Signature
Drawn: 2012-10-01 Elze
Checked: 2012-10-05 Fabian
Expert: MARTINI

WABCO

BRAKE VALVE
MOTORWAGEN-BREMSVENTIL
ROBINET DE FREINAGE
DISTRIBUTORE DI COMANDO

Mass	Scale	Material No.			Date of first issue: 1999-06-22		
1.47 kg	1:1	461 319 291 0			Doc.Code: 053	Language: ML	Sheet: 1/1
Size: A 0	CAD System: Pro/E	ECN-No.: 158314	Revision: tx	Techn. Resp.: K 5180	Replacement for: -		

100mm

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