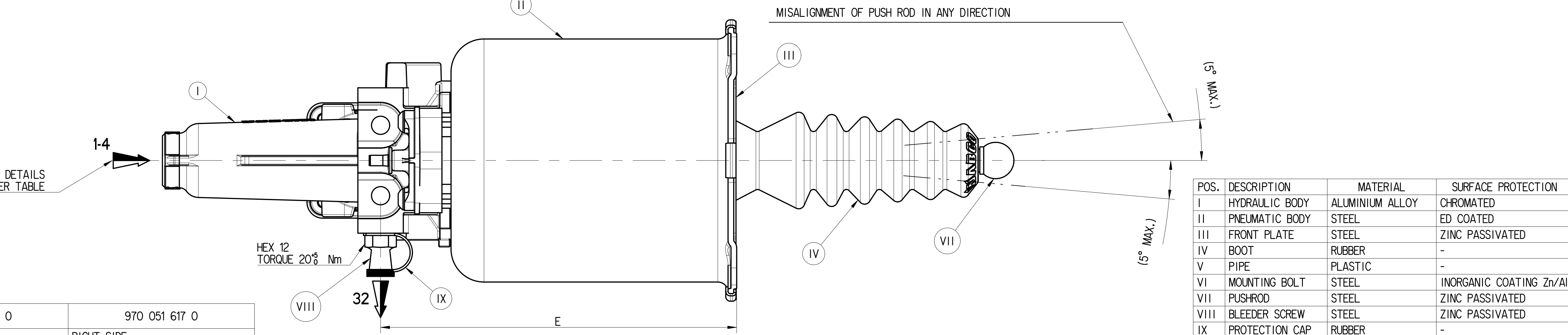
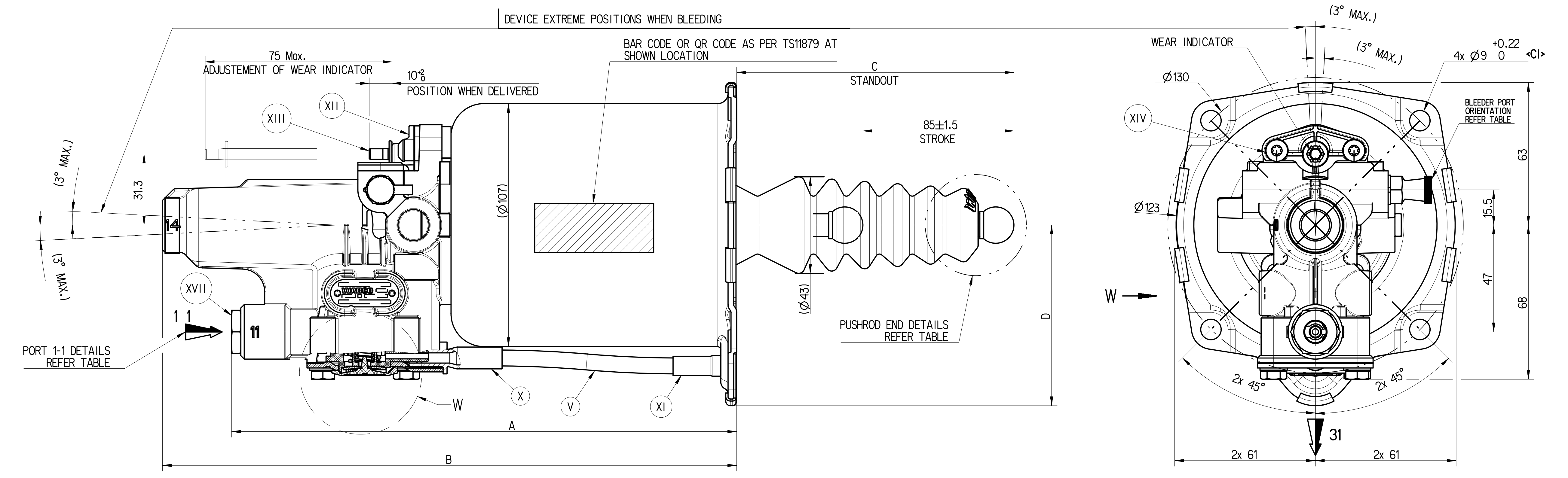


SAFETY CHARACTERISTICS	0
SIGNIFICANT CHARACTERISTICS	0
CUSTOMER INTERFACE	1

SL	ZF PART NUMBER	CUSTOMER PART NUMBER	A	B	PORT 1-1	PORT 1-4	PUSHROD TYPE	C STANDOUT	D	E	PUSHROD END DETAIL	BLEEDER PORT *	APPLICATION	WEIGHT (kg)
1	970 051 388 0	2776 2930 01 12	222.6	253	FIG.A	FIG.D	FORK END	325±1.5	79.5	157	FIG. F	RIGHT SIDE	-	2.7
2	970 051 498 0	2163 2910 01 53	222.6	278	FIG.A	FIG.K	FORK END	255±1.5	79.5	157	FIG. G	LEFT SIDE	LPO 1616TC BS-IV	2.5
3	970 051 513 0	2167 2910 01 07	222.6	253	FIG.A	FIG.D	FORK END	255±1.5	79.5	157	FIG. F	LEFT SIDE	-	2.4
4	970 051 517 0	5008 2930 01 05	220.6	277	FIG.A	FIG.E	SPHERICAL END	150±1.5	76.5	155	FIG. H	RIGHT SIDE	ZF GB	2.2
5	970 051 614 0	2178 2910 01 02	218.6	253	FIG.B	FIG.D	FORK END	239±1.5	79.5	157	FIG. F	RIGHT SIDE	-	2.4
6	970 051 616 0	5050 2930 01 01	222.6	279	FIG.A	FIG.E	SPHERICAL END	136±1.5	79.5	157	FIG. H	RIGHT SIDE	G1150 GB	2.3
7	970 051 617 0	5011 2910 01 03	220.6	251	FIG.A	FIG.D	FORK END	300±1.5	76.5	155	FIG. F	RIGHT SIDE	-	2.5
8	970 051 622 0	2167 2910 01 05	222.6	253	FIG.A	FIG.D	FORK END	212±1.5	79.5	157	FIG. F	RIGHT SIDE	LPK 2518	2.4
9	970 051 623 0	5006 2930 01 01	222.6	279	FIG.A	FIG.E	SPHERICAL END	122±1.5	79.5	157	FIG. L	RIGHT SIDE	EATON GB & G1150 GB (with SAE2 HOUSING)	2.3
10	970 051 624 0	5010 2930 01 01	220.6	277	FIG.A	FIG.E	SPHERICAL END	125±1.5	76.5	155	FIG. H	RIGHT SIDE	ZF GB	2.2
11	970 051 625 0	2165 2910 01 20	234.6	251	FIG.C	FIG.D	BALL SOCKET	254±1.5	76.5	155	FIG. J	RIGHT SIDE	LPO 1613 697 BS VI	2.4
12	970 051 630 0	5024 2900 01 01	220.6	277	FIG.A	FIG.E	SPHERICAL END	170±1.5	76.5	155	FIG. H	RIGHT SIDE	LPTA 3138 - ARMY 8x8	2.3
13	970 051 635 0	5042 2930 01 01	222.6	279	FIG.A	FIG.E	FORK END	255±1.5	79.5	157	FIG. F	LEFT SIDE	PRIMA LX3123.T 8x2	2.5
14	970 051 644 0	5039 2930 01 01	222.6	253	FIG.A	FIG.D	SPHERICAL END	122±1.5	79.5	157	FIG. L	RIGHT SIDE	LPT 3723 PUSHER AXLE BS111	2.3

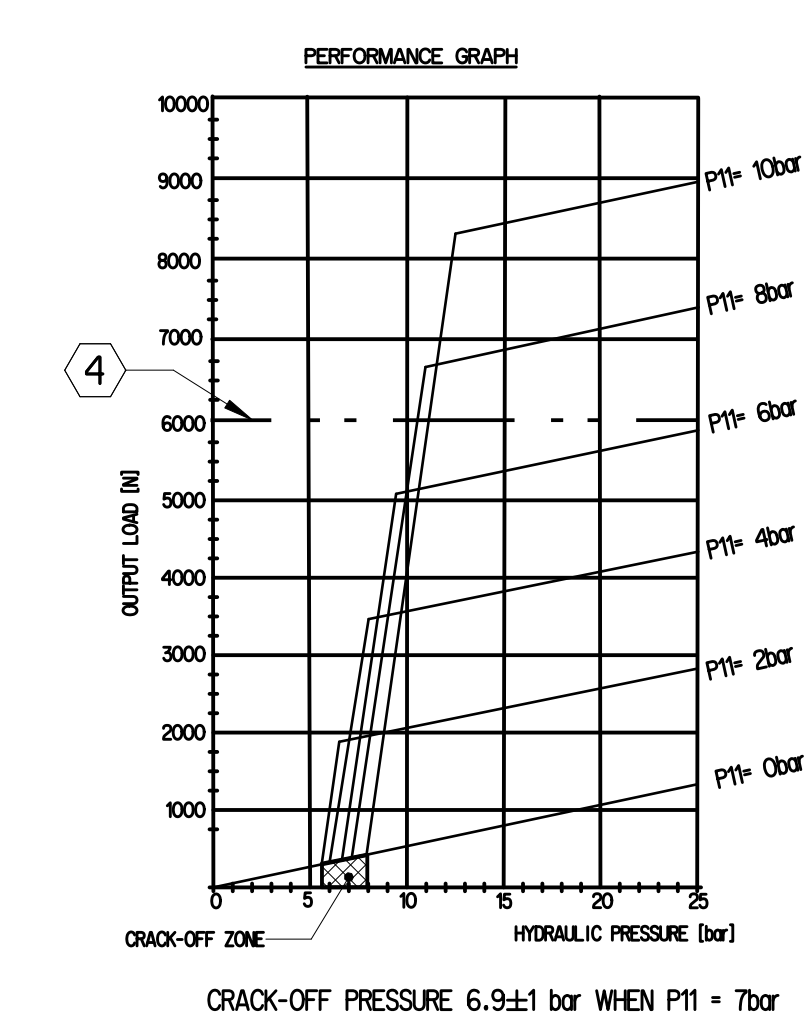
* AS VIEWED FROM INLET PORT SIDE



POS.	DESCRIPTION	MATERIAL	SURFACE PROTECTION
I	HYDRAULIC BODY	ALUMINIUM ALLOY	CHROMATED
II	PNEUMATIC BODY	STEEL	ED COATED
III	FRONT PLATE	STEEL	ZINC PASSIVATED
IV	BOOT	RUBBER	-
V	PIPE	PLASTIC	-
VI	MOUNTING BOLT	STEEL	INORGANIC COATING Zn/Al
VII	PUSHROD	STEEL	ZINC PASSIVATED
VIII	BLEEDER SCREW	STEEL	ZINC PASSIVATED
IX	PROTECTION CAP	RUBBER	-
X	HOSE GROMMET	RUBBER	-
XI	GASKET	RUBBER	-
XII	WEAR INDICATOR BODY	PLASTIC	-
XIII	WEAR INDICATOR ROD	ALUMINIUM ALLOY	HARD ANODIC OXIDATION
XIV	MOUNTING SCREW	STEEL	INORGANIC COATING Zn/Al
XV	EXHAUST COVER	STEEL	ZINC PASSIVATED
XVI	FLAT GASKET	RUBBER	-
XVII	VOSS FITTING	BRASS	-

NOTES

- PRODUCT SPECIFICATION No. PS 970 051 428 0
- OIL VOLUME INPUT $V = (SH \cdot C_g) \cdot K_{abs}$
- K_{abs} ABSORPTION AT 120 bar for CG-O $K=1.5 \text{ cm}^3$
- SH HYDRAULIC SECTIONAL AREA 4.89 cm^2
- C_g GEAR DISENGAGING STROKE NA
- HYDRAULIC FLUID DOT 4 BASED BRAKE FLUID IN ACCORDANCE WITH SAE J 1703
- TEMPERATURE RANGE $-40^\circ\text{C} \dots +100^\circ\text{C}$
- SUPPLY AIR PRESSURE 10 bar MAX.
- NO STROKE LIMITER IN THE DEVICE
- OPEN PORTS ARE FITTED WITH CLOSURE PLUG FOR STORAGE AND TRANSIT PURPOSE
- CAUTION : DO NOT ACTUATE THE DEVICE IF NOT FITTED ON ITS MOUNTING BRACKET



General Specifications: ISO 8016, JED-534-1, Size ISO 14405 LP

Further Technical Data: 970 051 428 0

Doc. Code: 030

General Tolerances: ISO 2011

Class: 1

Range of nominal dimensions in mm

Class	1	2	3	4	5
h	±0.05	±0.1	±0.15	±0.2	±0.3
H	±0.05	±0.1	±0.15	±0.2	±0.3
es	±0.05	±0.1	±0.15	±0.2	±0.3
ES	±0.05	±0.1	±0.15	±0.2	±0.3

Material: 970 051 644 0

Date of first issue: 2015-10-31

Sheet: 1 To 5

2025-07-08 Sachin

2025-07-08 A.R.

4" CLUTCH SERVO 16MM PILOT VALVE

005 EN 1/1

51835 E 2x 5630