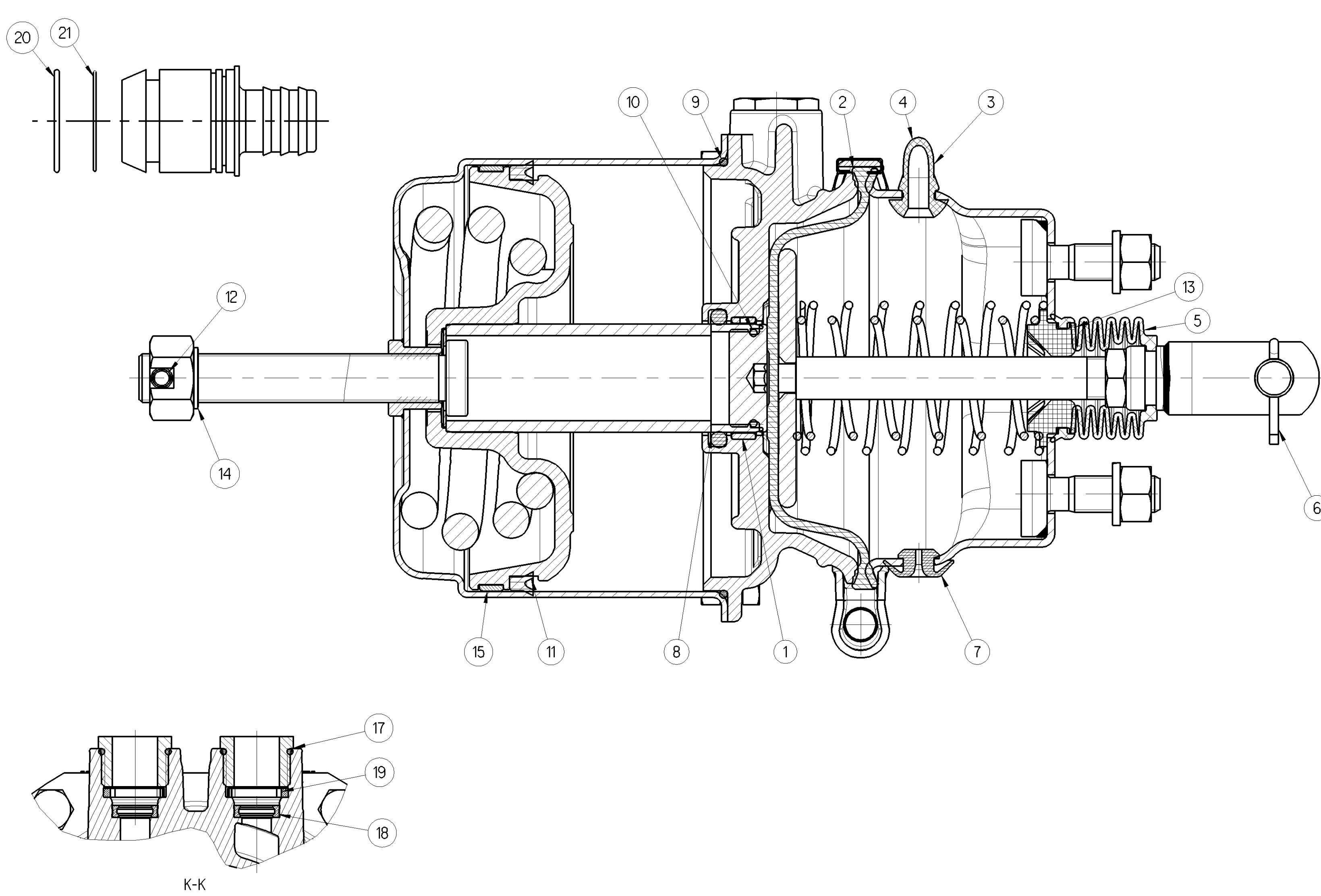


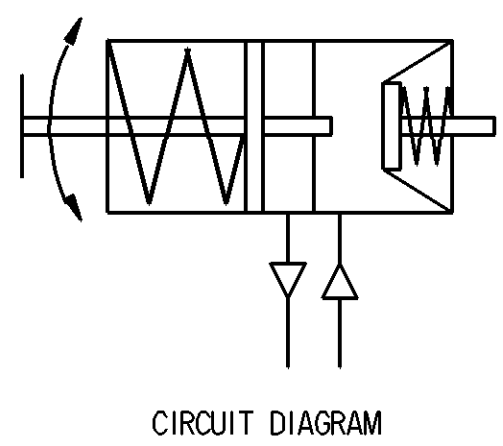
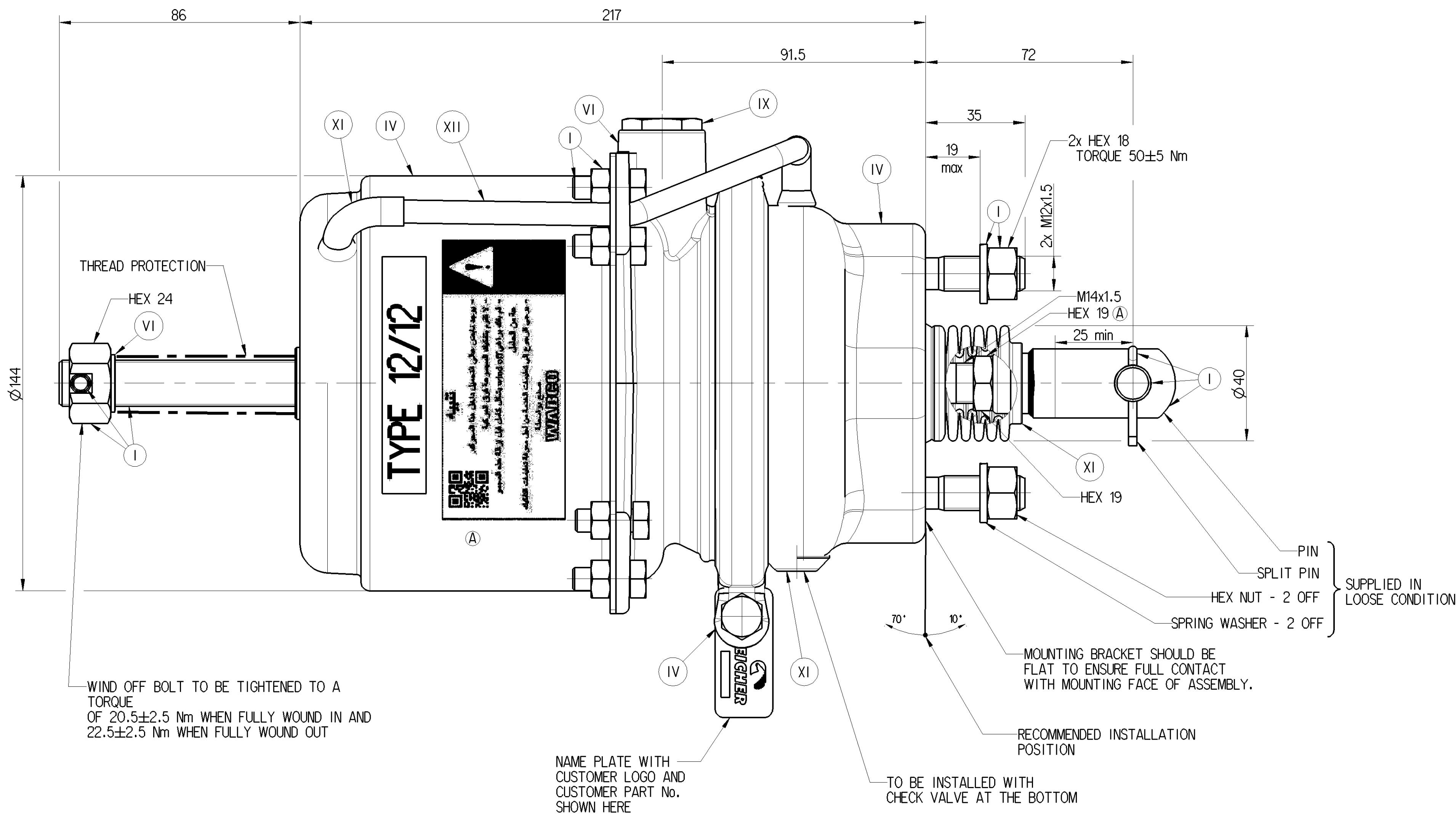


REPAIR KIT - MSP 25/65				
ITEM No.	WIN PART No.	VECV PART No.	DESCRIPTION	QTY
1	M271770		BEARING	1
2	897 120 021 4		DIAPHRAGM	1
3	M273660		ELBOW	2
4	M273690		TUBE	1
5	M275040		GAITER	1
6	810 511 027 4		SPLIT PIN	1
7	M275530		CHECK VALVE	1
8	897 980 274 4		O-RING	1
9	897 980 255 4		O-RING	1
10	M630700		O-RING	1
11	M273600		SEAL	1
12	892 010 009 4		KNURL PIN	1
13	423 928 658 4		DUST SEAL	1
14	897 110 001 4		SEALING WASHER	1
15	M273590		BEARING	1
16	M919910		GREASE SACHET	1

REPAIR KIT MSP 3/130 - NG12 MAJOR KIT			ASSEMBLY		
ITEM NO.	WIN PART No.	VECV PART No.	DESCRIPTION	QTY	KIT REQ.
17	893 220 427 2		PRESSURE SCREW	1	2
18	895 370 004 4		SPRING ELEMENT NG-12	1	
19	895 226 697 4		RETAINING RING NG-12	1	
20	897 980 153 4		O-RING	1	
21	897 980 146 4		O-RING	1	

AS PER THE STANDARD SERVICE PRACTICE, A SET OF PARTS (KIT) HAS TO BE REPLACED
INDIVIDUAL PARTS WILL NOT BE SUPPLIED/SERVED

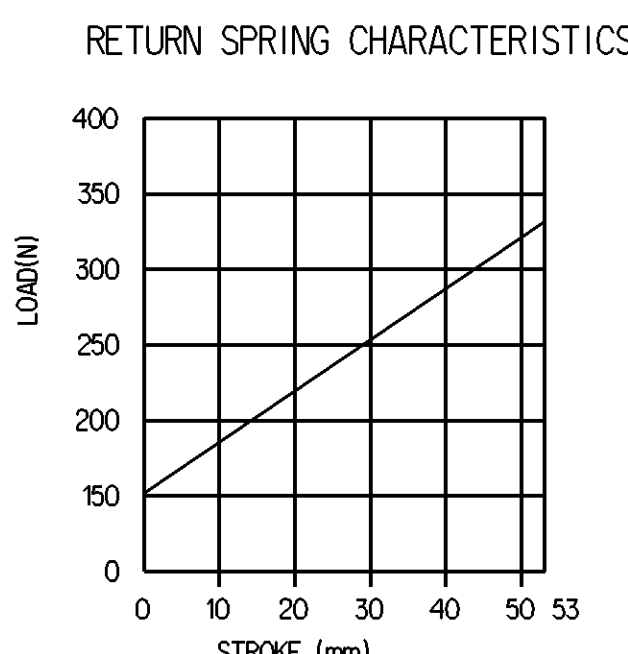
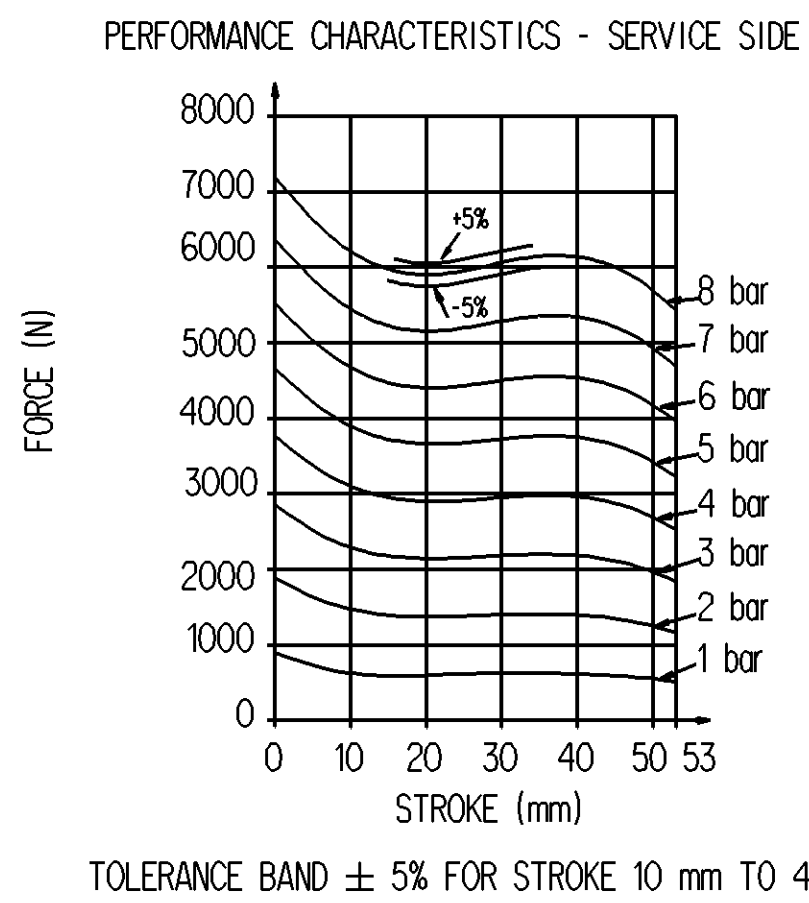
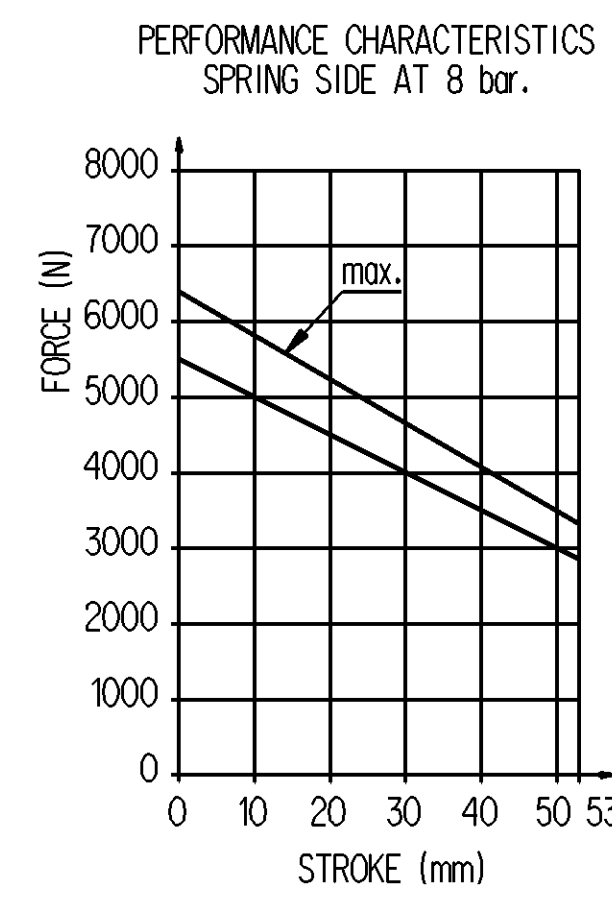
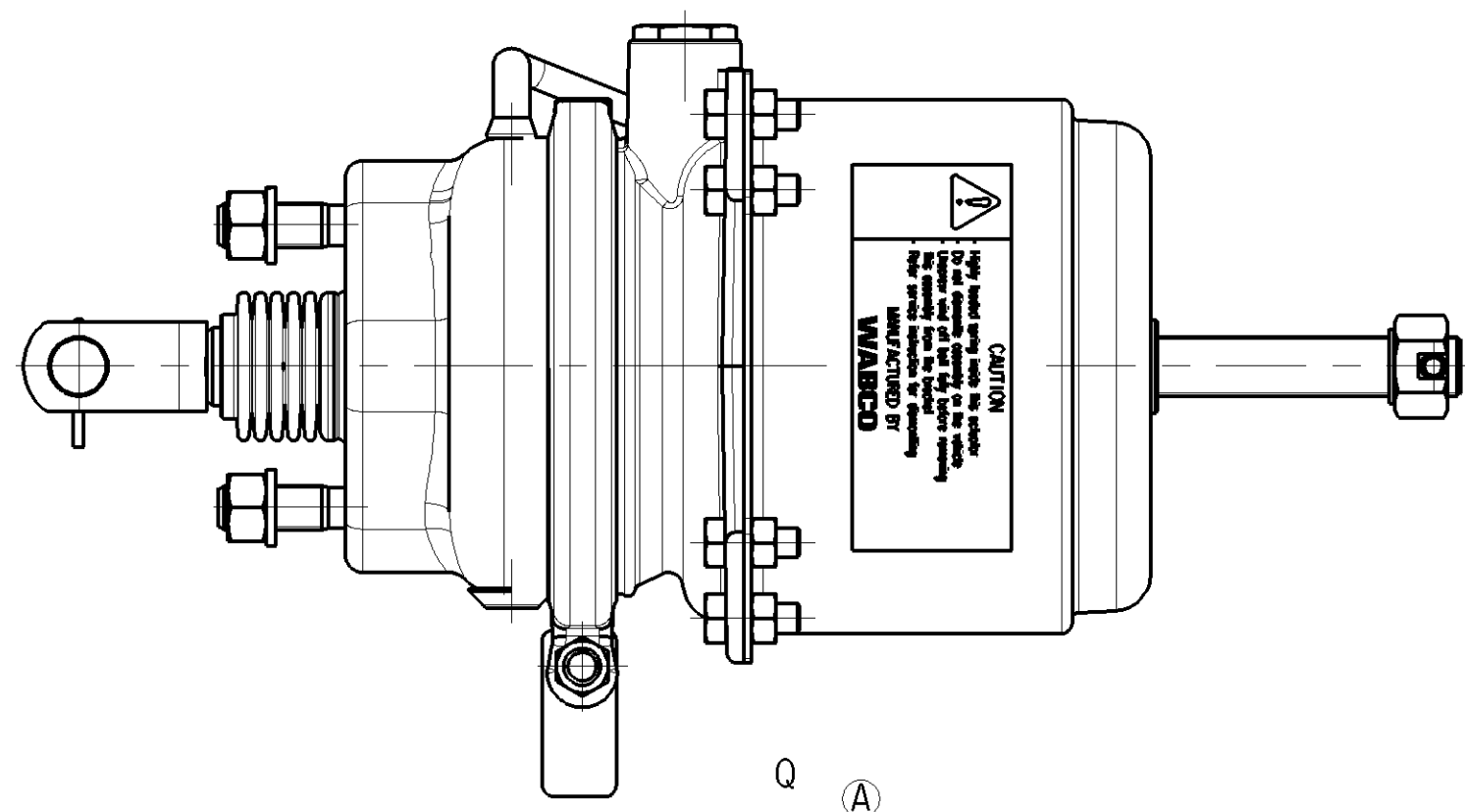
<1> SAFETY CHARACTERISTICS	0
<2> SIGNIFICANT CHARACTERISTICS	2



CUSTOMER PART No.	IC367454
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1.	PRODUCT FUNCTION AND RELIABILITY	
1.1	PRODUCT SPECIFICATION No.	PS 925 301 001 0
1.2	WORKING MEDIUM	AIR
1.3	PORT 11, SERVICE BRAKE SYSTEM, WORKING PRESSURE	9 bar
1.4	PORT 12, SPRING BRAKE CYLINDER WORKING PRESSURE	8 bar
1.5	PORT 11, MAXIMUM WORKING PRESSURE (TEMPORARILY)	10 bar
1.6	PORT 12, MAXIMUM WORKING PRESSURE (TEMPORARILY)	10 bar
	UNIT DRAWN WITH PRESSURE APPLIED PORT 12	
1.7	SERVICE BRAKE STROKE	53 mm min
1.8	INNER DIAMETER OF SERVICE BRAKE	118.6 mm
1.9	SPRING BRAKE STROKE	53 mm min
1.10	INNER DIAMETER OF SPRING CHAMBER	Ø140 mm
1.11	HOLD OFF PRESSURE	4.2±0.4 bar
1.12	THERMAL RANGE APPLICATION	-40°C TO +80°C
1.13	PRESSURE AT WHICH PUSH ROD STARTS MOVING (LIFT-OFF PRESSURE AT 0 mm STROKE)	< 0.3 bar
1.14	PRESSURE AT WHICH PUSH ROD IS FULLY OUT (LIFT-OFF PRESSURE AT 53 mm STROKE)	< 0.5 bar
1.15	CORROSION RESISTANCE	240 HOURS OF NSS
2	QUALITY COMPLIANCE TESTS ARE CONDUCTED REGULARLY AS PER CLAUSE NO. 16 OF PS 925 301 001 0	
3	ASSEMBLY WILL BE SUPPLIED WITH SPRING SIDE IN FULLY WOUND OUT CONDITION. SPRING SIDE TO BE WOUND IN AFTER INSTALLATION	
4	SERVICE LIFE TO FIRST OVERHAUL IF FITTED AS PER RECOMMENDED LAYOUT ▲ 3 YEARS/3 00 000 km WHICHEVER IS EARLIER	
5	OPEN PORTS ARE FITTED WITH CLOSURE PLUGS FOR STORAGE AND TRANSIT PURPOSES	

XVI	STEEL	NO TREATMENT
XVI	CAST IRON	PLATED
XV	STEEL	ZINC IRON PLATED
XIV	CAST IRON	NO TREATMENT
XIII	ZINC ALLOY	ANODISED
XII	PLASTIC	NO TREATMENT
XI	RUBBER	NO TREATMENT
X	STAINLESS STEEL	NO TREATMENT
IX	BRASS	NO TREATMENT
VIII	ZINC ALLOY	CHROMATED
VII	ALUMINIUM ALLOY	ANODISED
VI	ALUMINIUM ALLOY	CHROMATED
V	CAST IRON	PAINTED
IV	STEEL	POWDER COATED
III	STEEL	PAINTED
II	STEEL	PHOSPHATED
I	STEEL	ZINC PLATED
PART CODE	MATERIAL	SURFACE PROTECTION



General Specifications: JIS S354-1, JIS ISO 14405 LP		Copyright © WABCO			
Further Technical Data: PD 3021 3001 Q		Date: _____ Signature: _____			
Cnc. Code: _____ Sheets: _____ To: _____		2018-09-05		Swaminathan	
General Tolerances: JIS-D81		2018-09-05		Senthikumar	
Range of Nominal Dimensions: (mm) Class 1: $+50 \pm 80 \pm 160 \pm 250 \pm 400$ Class 2: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 3: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 4: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 5: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 6: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 7: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 8: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 9: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 10: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 11: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 12: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 13: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 14: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 15: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 16: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 17: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 18: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 19: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 20: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 21: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 22: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 23: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 24: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 25: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 26: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 27: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 28: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 29: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 30: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 31: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 32: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 33: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 34: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 35: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 36: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 37: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 38: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 39: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 40: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 41: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 42: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 43: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 44: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 45: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 46: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 47: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 48: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 49: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 50: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 51: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 52: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 53: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 54: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 55: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 56: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 57: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 58: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 59: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 60: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 61: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 62: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 63: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 64: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 65: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 66: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 67: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 68: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 69: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 70: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 71: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 72: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 73: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 74: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 75: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 76: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 77: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 78: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 79: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 80: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 81: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 82: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 83: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 84: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 85: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 86: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 87: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 88: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 89: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 90: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 91: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 92: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 93: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 94: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 95: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 96: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 97: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 98: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 99: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 100: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 101: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 102: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 103: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 104: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 105: $+0.5 \pm 1.0 \pm 1.5 \pm 2.0$ Class 106: $+0.5 \pm 1.0 \pm 1.5 \pm 2.$					