

SURFACE PROTECTION	
I	JED-739-3 ZINC NICKEL PASSIVATION
II	JED-240-3 POWDER COATING
III	JED-259-1 CHROMATING
IV	- RUBBER / PLASTIC
V	JED-371 PHOSPHATING AND OILING
VI	JED-240-1 PAINTING
VII	JED-007-3 ANODIZING

43±2 [1.69±0.07] 118 [4.65] 100 [3.94] 6x Ø6 BREATHER HOLE 2x M16x1.5

Ø186 [7.32] Ø164 [6.46] 120.7±0.3 [4.75±0.01] Ø64 [2.13] R8 [0.32] BALL HARDENED R8 [0.32] 4.1 [0.16]

15±0.5 [0.59±0.01] 43.5 [1.71] 171 [6.71] 243 [9.55] 10° 50°

ADMISSIBLE INSTALLATION POSITION

STROKE 2.5in(64mm) 12 SPRING BRAKE 11 SERVICE BRAKE

Ø188.5 [6.24] Ø184 [7.24] 1/2" ACME THREAD RELEASED POSITION 4x Ø6 [0.24] OPEN BREATHER HOLE

Ø186 [7.32] Ø164 [6.46] 120.7±0.3 [4.75±0.01] Ø64 [2.13] R8 [0.32] BALL HARDENED R8 [0.32] 4.1 [0.16]

15±0.5 [0.59±0.01] 43.5 [1.71] 171 [6.71] 243 [9.55] 10° 50°

ADMISSIBLE INSTALLATION POSITION

max 94 [3.7] 89 [3.5] R12 [0.51] 3/8"-18 NPTF 25 [0.98] 3/8"-18 NPTF 25 [0.98] 62 [2.44] 90 [3.54] 18 [0.72] -30° -30°

P R47 [1.85] 6° 60° 60° R78 [3.1]

RUNNING POSITION

TO BE INSTALLED WITH THE BREATHER HOLE OPEN AT BOTTOM MOST POSITION

CIRCUIT DIAGRAM

9000 (2023) 8000 (1798) 7000 (1574) 6000 (1349) 5000 (1124) 4000 (899) 3000 (674) 2000 (450) 600 (135) 500 (112) 400 (90) 300 (67) 200 (45) 100 (22) 0

STROKE IN mm (inch) 10 20 30 40 50 60 70 (0.4) (0.8) (1.2) (1.6) (2.0) (2.3) (2.8)

OUTPUT FORCE OF SERVICE BRAKE PART AT 5.52 bar (80.1 PSI)

OUTPUT FORCE OF SPRING BRAKE PART, RELEASE PRESSURE AT 5.1±0.3 bar (74±4.35 PSI) AT 10mm (0.4") STROKE

FORCE OF RETURN SPRING OF SERVICE BRAKE PART

GRAPHS FOR INFORMATION ONLY

WABCO PART No. SHOWN HERE WEEK NO. AND MANUFACTURING YEAR SHOWN HERE NAME PLATE ASSEMBLY TRACEABILITY CODE DAY SHIFT TYPE SHOWN HERE

MADE IN INDIA WABCO

ROTATED 90° CLOCKWISE

CAUTION DUST PLUG

1) AFTER REMOVAL OF CAGING/ RELEASE BOLT ENSURE THE HOLE IS ALWAYS COVERED WITH DUST PLUG

2) FAILURE TO INSTALL THE DUST PLUG IN THE CYLINDER HOLE MAY CAUSE PREMATURE FAILURE OF POWER SPRING AND POTENTIAL LOSS OF PARKING BRAKE FORCE

SL.No.	NOTES
1.1	WORKING MEDIUM AIR
1.2	NOMINAL DIAMETER FOR INLET PORTS MIN Ø11 (MIN Ø0.43")
1.3	STROKE 64mm min (2.5" min)
1.4	THERMAL RANGE OF APPLICATION -40°C...+90°C (-40°F...+176°F)
1.5	WORKING PRESSURE SERVICE SIDE 8 bar (116 PSI)
1.6	WORKING PRESSURE SPRING SIDE 8 bar (116 PSI)
1.7	MAXIMUM PRESSURE SERVICE SIDE (TEMPORARILY) 10 bar (145 PSI)
1.8	MAXIMUM PRESSURE SPRING SIDE (TEMPORARILY) 10 bar (145 PSI)
1.9	MALE THREAD TO BE PROTECTED AND OPEN PORTS TO BE FITTED WITH CLOSURE PLUG TO AVOID TRANSIT DAMAGE.
2.0	UNIT DRAWN WITH 8 bar (116 psi) AIR PRESSURE IN PORT 12
3.0	SUPPLIED WITH PARKING BRAKE IN RELEASED CONDITION

① DRAWN OUT OF PLANE

General Specification JED-334-1, Size ISO 144/05 LP		Copyright WABCO®		DOUBLE DIAPHRAGM TRISTOP 24/24	
Further Technical Data 925 347 001 0		Date: 2022-11-04	Signature: Ann	925 389 010 0	
Doc. Code: 035		Sheet: 1 of 6	Depict: 2022-11-04	005 EN 1/1	
General Tolerances: ISO 2011		Range of Nominal Dimensions (± mm)		Medium X 1.0 2.0 3.0 4.0 ±5°	
Class 11 ± 50 ± 180 ± 400 ± 400		Fine 0.5 1.0 1.5 2.0		Coarse 2.0 3.5 5.0 6.5	
Tapped holes acc. JED-686		Size 1.1 (2.1x1.2)		4x B 5421	
1) Tolerance Class Applied: Chromatized		A 0		Ø60	