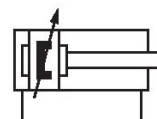


Cilindri a tiranti AVENTICS Serie TRB (ISO 15552)

I cilindri AVENTICS Serie TRB (ISO 15552) sono tra i più utilizzati nei settori in cui sono richiesti cilindri per impieghi pesanti, come legno e alluminio, acciaio e settore automobilistico, macchinari per impieghi gravosi e miniere, solo per citarne alcuni.



Dati tecnici

Settore	Industria
Ø pistone	125 mm
Corsa	50.8 mm
Raccordi	1/2 NPT
Principio attivo	a doppio effetto
Ammortizzamento	ammortizzamento a regolazione pneumatica
Pistone magnetico	Pistone con magnete
Requisiti ambientali	Standard industriale opzionalmente in ATEX
Filettatura asta pistone - tipo	filettatura esterna
Filettatura asta pistone	1-14 UNF
Asta pistone	unilaterale
Raschia-asta	Raschia-asta industriale standard
Pressione per determinare le forze del pistone	6,3 bar
Forza del pistone in entrata	7220 N
Forza del pistone in uscita	7725 N
Temperatura ambiente min.	-20 °C
Temperatura ambiente max.	80 °C
Pressione di esercizio min.	2 bar
Pressione di esercizio max	10 bar

Lunghezza di ammortizzamento	22 mm
Energia di ammortizzamento	140 J
Peso corsa da 0 mm	6.92 kg
Peso corsa da +10 mm	0.21 kg
Corsa max.	2750 mm
Fluido	Aria compressa
Temperatura del fluido min.	-20 °C
Temperatura del fluido max.	80 °C
Dimensione max. particella	50 µm
Contenuto di olio dell'aria compressa min.	0 mg/m ³
Contenuto di olio dell'aria compressa max.	5 mg/m ³

Materiale

Asta pistone	Acciaio inox
Materiale raschia-asta	Poliuretano
Materiale tiranti	Acciaio, cromato
Materiale guarnizioni	Poliuretano
Materiale coperchio anteriore	alluminio pressofuso
Canna del cilindro	Alluminio
Coperchio terminale	alluminio pressofuso
Dado per asta pistone	Acciaio, cromato
Codice	R480177307

Informazioni tecniche

Il punto di rugiada in pressione deve essere inferiore alla temperatura ambiente e a quella del fluido di almeno 15 °C e non superare il valore di 3 °C .

Il contenuto di olio dell'aria compressa deve rimanere costante per tutta la durata.

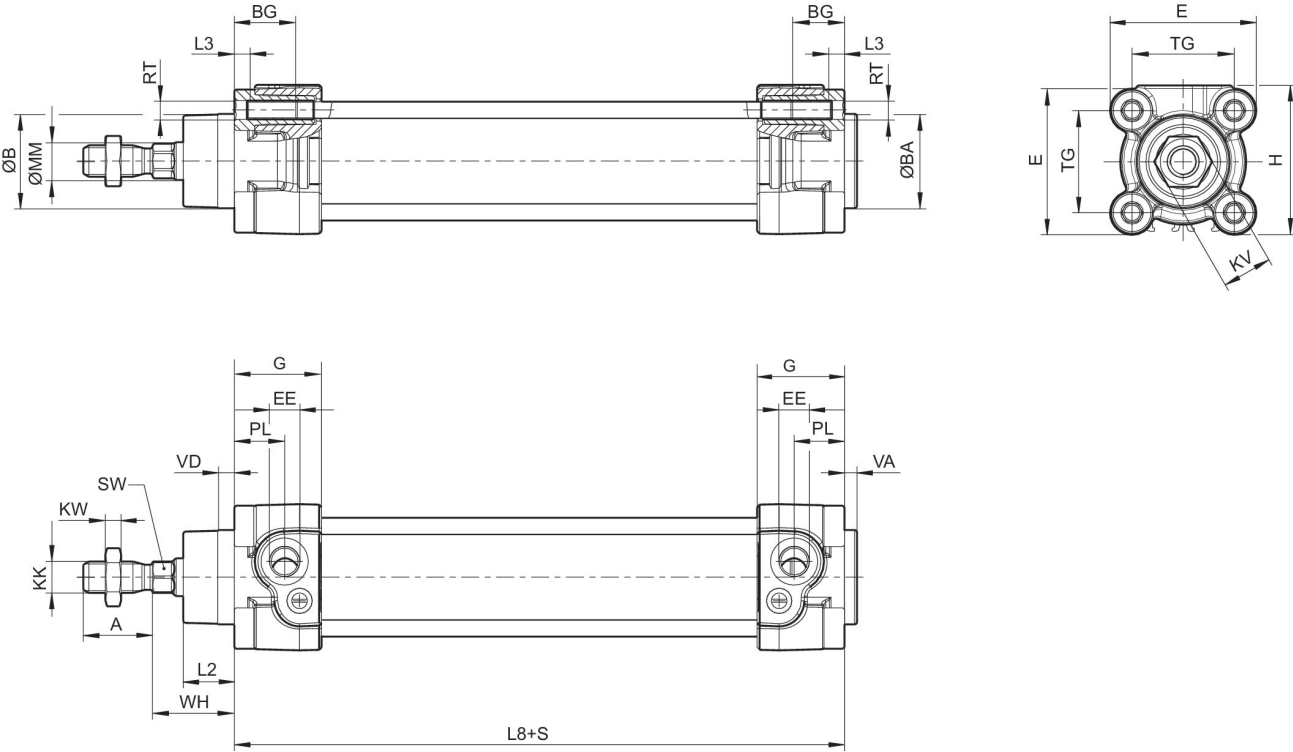
Cilindro a tiranti ISO 15552, Serie TRB - inch

R480177307

TRB

2026-07-20

Dimensioni in pollici



S = corsa

Dimensioni in pollici

Ø [mm]	Ø [inch]	A -0,08	ØB d11	ØBA d11	BG min.	E	EE	KK	G	H
32	1 1/4	0.87	1.18	1.18	0.63	1.83	1/8 NPT	7/16 - 20 UNF	1.09	1.87
40	1 1/2	0.94	1.38	1.38	0.63	2.09	1/4 NPT	1/2 - 20 UNF	1.31	2.09
50	2	1.26	1.57	1.57	0.63	2.56	1/4 NPT	3/4 - 16 UNF	1.22	2.56
63	2 1/2	1.26	1.77	1.77	0.63	2.95	3/8 NPT	3/4 - 16 UNF	1.51	2.95
80	3	1.57	1.77	1.77	0.67	3.74	3/8 NPT	3/4 - 16 UNF	1.51	3.74
100	4	1.57	2.17	2.17	0.67	4.53	1/2 NPT	3/4 - 16 UNF	1.66	4.53
125	5	2.13	2.36	2.36	0.79	5.51	1/2 NPT	1 - 14 UNF	2.12	5.51

Ø [mm]	KV	KW	ØMM f8	PL	L2	L3 ±0,02	L8	RT	SW	TG
32	0.63	0.2	0.47	0.63	0.64	0.18	3.7±0.02	M6	0.39	1.28±0.02
40	0.71	0.24	0.63	0.79	0.72	0.18	4.13±0.03	M6	0.51	1.5±0.02
50	0.94	0.31	0.79	0.75	0.98	0.18	4.17±0.03	M8	0.67	1.83±0.02
63	0.94	0.31	0.79	0.94	0.98	0.18	4.76±0.03	M8	0.67	2.22±0.03
80	1.18	0.39	0.98	0.93	1.3	0	5.04±0.03	M10	0.87	2.83±0.03
100	1.18	0.39	0.98	0.98	1.42	0	5.43±0.04	M10	0.87	3.5±0.03
125	1.61	0.53	1.26	1.3	1.77	0	6.3±0.04	M12	1.06	4.33±0.04

Ø [mm]	VA -0,04	VD	WH
32	0.16	0.2	1.02±0.06
40	0.16	0.2	1.18±0.06
50	0.16	0.2	1.46±0.06
63	0.16	0.2	1.46±0.07
80	0.16	0.2	1.81±0.07
100	0.16	0.2	2.01±0.07
125	0.24	0.28	2.56±0.09

Diagramma di ammortizzamento



v_1 = velocità pistone [m/s] m = massa ammortizzabile [kg]

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This diagram illustrates the assembly of a mechanical system, likely a hydraulic cylinder or actuator. The components are arranged in a hierarchical, exploded view, showing their relative positions and assembly sequence. The main components include:

- JP1**: A large, square, flange-mounted component at the top left.
- MS1**: A small, rectangular plate or bracket.
- MF1/2**: A rectangular plate with a central circular feature.
- MT5/6**: A rectangular plate with a central circular feature.
- AT4**: A small, rectangular plate with a central circular feature.
- CS7**: A small, rectangular plate with a central circular feature.
- AB6**: A small, rectangular plate with a central circular feature.
- MP9**: A small, rectangular plate with a central circular feature.
- MP6**: A small, rectangular plate with a central circular feature.
- MP4**: A small, rectangular plate with a central circular feature.
- MP2**: A small, rectangular plate with a central circular feature.
- AA4**: A small, rectangular plate with a central circular feature.
- AB7**: A small, rectangular plate with a central circular feature.
- CC02/04**: A small, rectangular plate with a central circular feature.
- QR1/2**: A small, rectangular plate with a central circular feature.
- TRB -Inch**: A large, cylindrical component with a central rod, likely a hydraulic cylinder.
- LU1/2**: A small, rectangular plate with a central circular feature.
- HU1**: A small, rectangular plate with a central circular feature.
- LU6**: A small, rectangular plate with a central circular feature.
- MT4**: A small, rectangular plate with a central circular feature.
- AT4**: A small, rectangular plate with a central circular feature.
- ST6**: A small, rectangular plate with a central circular feature.
- SN6**: A small, rectangular plate with a central circular feature.
- SM6**: A small, rectangular plate with a central circular feature.
- MS1**: A small, rectangular plate with a central circular feature.
- MF1/2**: A rectangular plate with a central circular feature.
- MT5/6**: A rectangular plate with a central circular feature.
- GU1**: A small, rectangular plate with a central circular feature.
- GH1/2**: A small, rectangular plate with a central circular feature.

The diagram shows the assembly of these components into a single unit, with lines indicating the assembly path and the relative positions of the parts. The components are arranged in a hierarchical, exploded view, showing their relative positions and assembly sequence.

