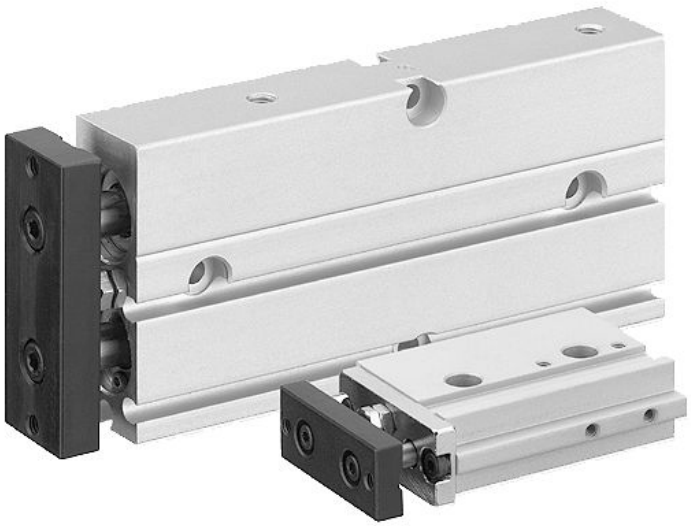
Serie TWC



AVENTICS™

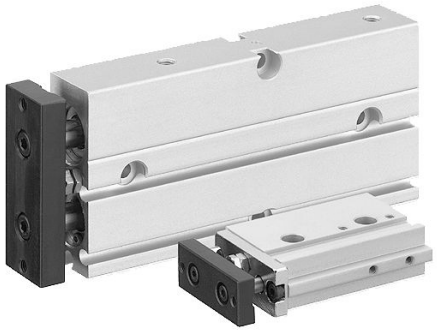
Cilindri a doppio pistone
AVENTICS Serie TWC

EMERSON™

Serie TWC

La serie AVENTICS TWC è costituita da un cilindro compatto e potente con doppio pistone che offre anche un'elevata precisione con dispositivo antirotazione.

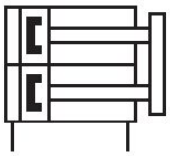
- Ø 6 ... 32 mm



Panoramica sul prodotto

Cilindro a doppio pistone, Serie TWC

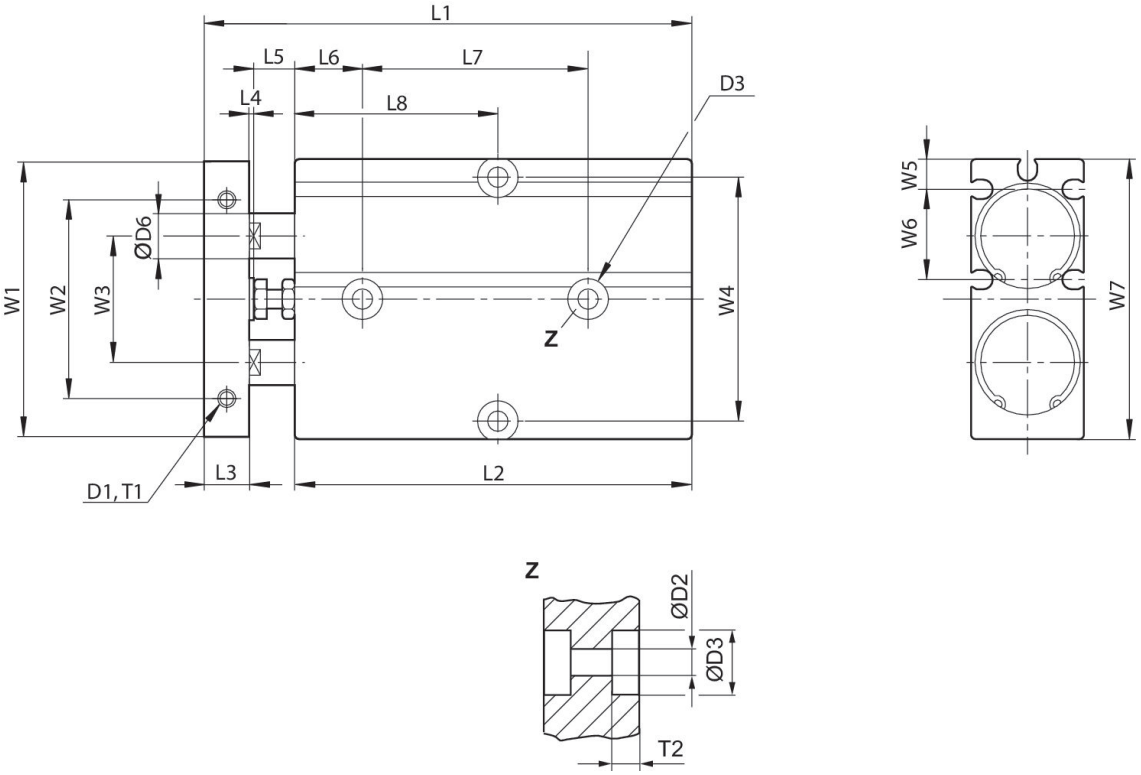
Temperatura ambiente min./max.: 0 °C ... 60 °C

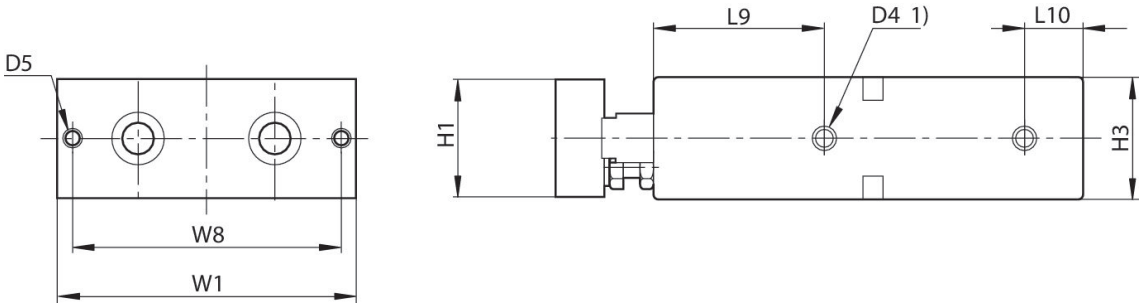


Ø pistone	6 mm	10 mm	16 mm	20 mm	25 mm	32 mm
Raccordi	M5	M5	M5	M5	M5	G 1/8
Corsa 10	R402000794	R402000799	R402000806	R402000816	R402000826	R402000836
20	R402000795	R402000800	R402000807	R402000817	R402000827	R402000837
30	R402000796	R402000801	R402000808	R402000818	R402000828	R402000838
40	R402000797	R402000802	R402000809	R402000819	R402000829	R402000839
50	R402000798	R402000803	R402000810	R402000820	R402000830	R402000840
60	-	R402000804	R402000811	R402000821	R402000831	R402000841
70	-	R402000805	R402000812	R402000822	R402000832	R402000842
80	-	-	R402000813	R402000823	R402000833	R402000843
90	-	-	R402000814	R402000824	R402000834	R402000844
100	-	-	R402000815	R402000825	R402000835	R402000845

Ø pistone	6 mm	10 mm	16 mm	20 mm	25 mm	32 mm
Forza del pistone in entrata	19 N	63 N	189 N	296 N	475 N	759 N
Forza del pistone in uscita	35 N	98 N	253 N	395 N	618 N	1012 N
Energia di ammortizzamento	0.003 J	0.03 J	0.11 J	0.17 J	0.23 J	0.28 J
Energia d'urto	0.003 J	0.04 J	0.27 J	0.4 J	0.8 J, 1.2 J	1.2 J
Peso 10 mm corsa	0.012 kg	0.018 kg	0.027 kg	0.036 kg	0.051 kg	0.093 kg
Gioco max. (radiale)	1 °	0.8 °	0.6 °	0.6 °	0.6 °	0.6 °
Pressione di esercizio min/max	2 bar ... 7 bar	2 bar ... 7 bar	1.5 bar ... 7 bar	1.5 bar ... 7 bar	1.5 bar ... 7 bar	1.5 bar ... 7 bar

Dimensioni





1) Raccordo aria compressa
T1 = profondità filettatura

Ø pistone	D1	T1	Ø D2	Ø D3	T2	D4	D5	Ø D6	H1
6									
10	2xM3	4	3,4	6	5	M5	2xM3	6	16
16	2xM4	5	4,5	8	5.5	M5	2xM4	8	20
20	2xM4	5	4,5	8	5.5	M5	2xM4	10	24
25	2xM5	6	4,5	9	6	M5	2xM4	12	29
32	2xM8	10	5,5	9.5	10.5	G 1/8	2xM6	16	38

Ø pistone	H3	L1 ±0,8 1)	L2±0,2 S=10 2)	L2±0,2 S=20 2)	L2±0,2 S=30 2)	L2±0,2 S=40 2)	L2±0,2 S=50 2)	L2±0,2 S=60 2)	L2±0,2 S=70 2)
6									
10	17	68	66	76	86	96	106	116	126
16	21	78	73	83	93	103	113	123	133
20	25	88	78	88	98	108	118	128	138
25	30	91	82	92	102	112	122	132	142
32	40	118	98	108	118	128	138	148	158

Ø pistone	L2±0,2 S=80 2)	L2±0,2 S=90 2)	L2±0,2 S=100 2)	L3	L4	L5	L6	L7 ±0,2 1)	L8 ±0,2 S=10 2)
6									
10				5	1	6	15	25	25
16	143	153	163	8	1	6	15	30	40
20	148	158	168	10	1	9	15	30	45
25	152	162	172	10	1	8	15	40	50
32	168	178	188	17	1	12	17	45	55

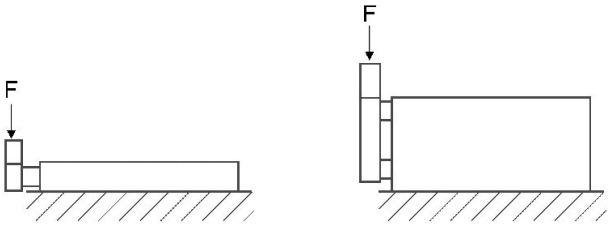
Ø pistone	L8 ±0,2 S=20 2)	L8 ±0,2 S=30 2)	L8 ±0,2 S=40 2)	L8 ±0,2 S=50 2)	L8 ±0,2 S=60 2)	L8 ±0,2 S=70 2)	L8 ±0,2 S=80 2)	L8 ±0,2 S=90 2)	L8 ±0,2 S=100 2)
6									
10	40	45	50	55	60	65			
16	45	50	55	60	65	70	75	80	85
20	45	45	50	55	60	65	70	75	80
25	50	50	55	60	65	70	75	80	85
32	60	65	70	75	80	85	90	95	100

Ø pistone	L9	L10	W1	W2 ±0,2	W3	W4 ±0,2	W5	W6	W7
6									
10	32	10	41	26	18	34	5	14	42
16	32	10	53	34	24	47	5.7	18.5	54
20	35	12	61	44	28	55	6.8	20	62
25	40	12	72	56	34	66	8.3	22.5	73
32	46	15	94	72	42	83	10.1	34	96

Ø pistone	W8 ±0,2
6	
10	34
16	47
20	55
25	66
32	83

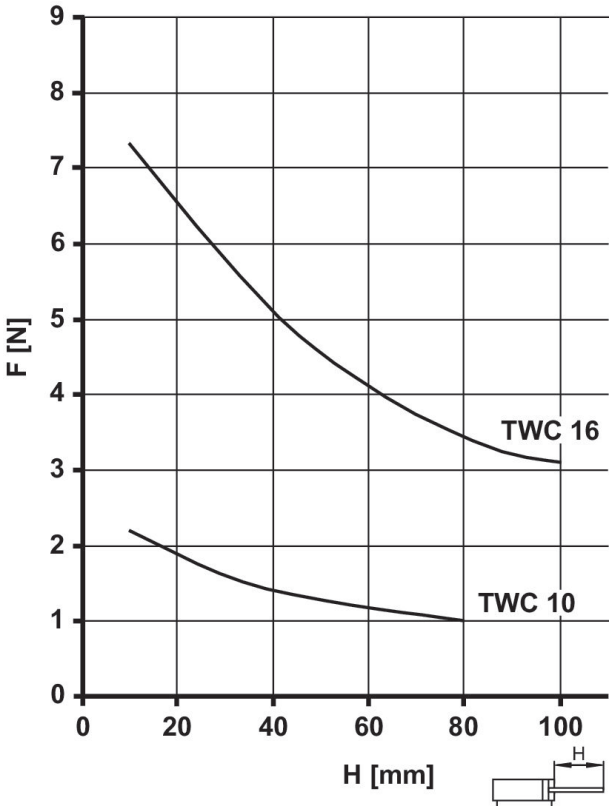
S = corsa
1) + corsa
2) dimensioni per la corsa indicata

forza trasversale F massima dipendente dalla lunghezza corsa



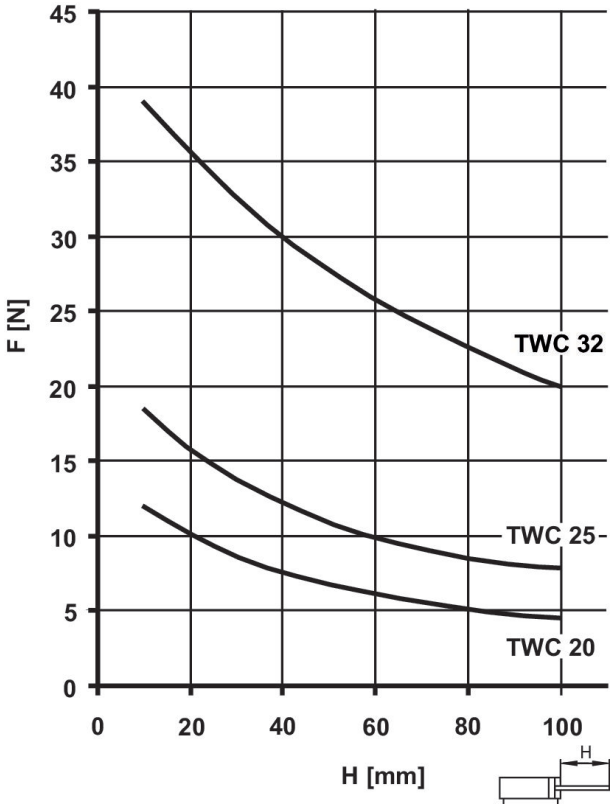
forza trasversale F massima dipendente dalla lunghezza corsa

Ø 10 ... 16

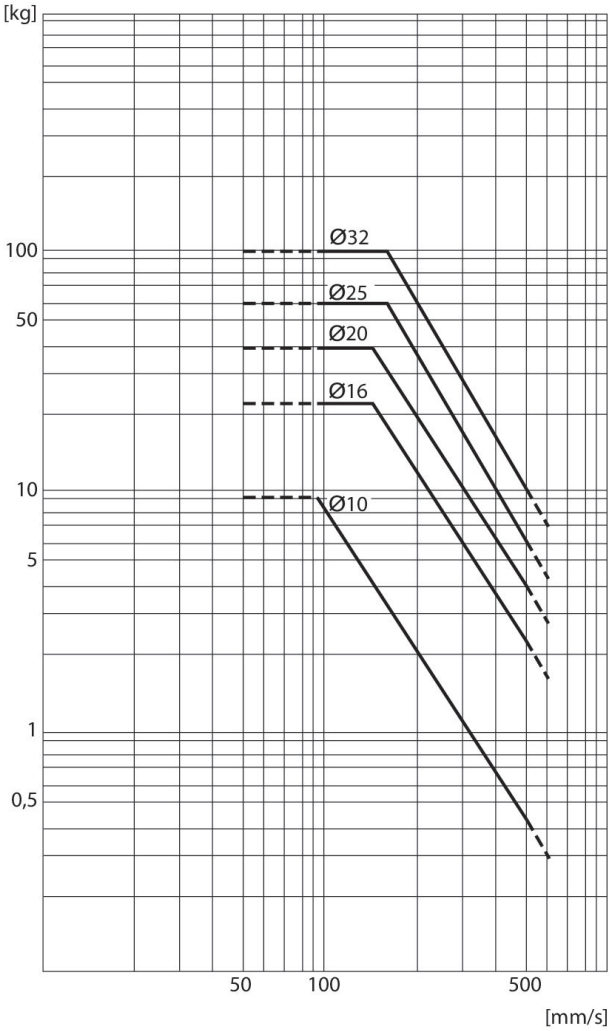


forza trasversale F massima dipendente dalla lunghezza corsa

Ø 20 ... 32

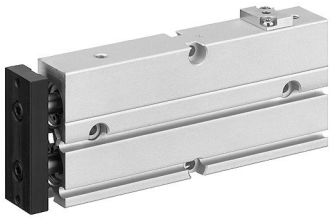


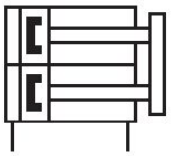
massa aggiuntiva max. spostata in base alla velocità di collisione



Cilindro a doppio pistone, Serie TWC-HL

Temperatura ambiente min./max.: 0 °C ... 60 °C

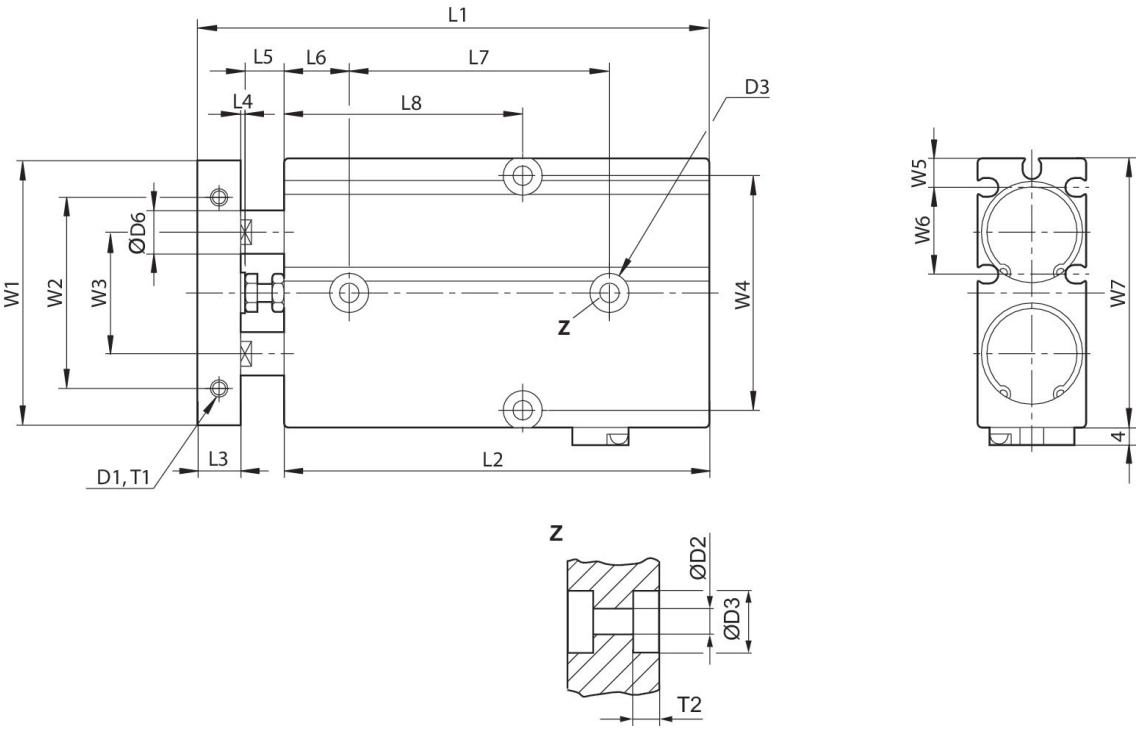




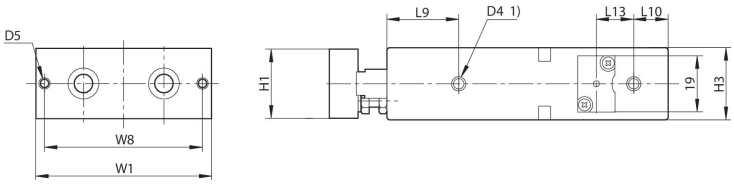
Ø pistone	16 mm	20 mm	25 mm
Raccordi	M5	M5	M5
Corsa 10	R402000846	R402000854	R402000862
20	R402000847	R402000855	R402000863
30	R402000848	R402000856	R402000864
40	R402000849	R402000857	R402000865
50	R402000850	R402000858	R402000866
60	R402000851	R402000859	R402000867
70	R402000852	R402000860	R402000868
80	R402000853	R402000861	R402000869

Ø pistone	16 mm	20 mm	25 mm
Forza del pistone in entrata	189 N	296 N	475 N
Forza del pistone in uscita	253 N	395 N	618 N
Energia di ammortizzamento	0.11 J	0.17 J	0.23 J
Energia d'urto	0.27 J	0.4 J	0.8 J
Peso 10 mm corsa	0.035 kg	0.05 kg	0.052 kg
Gioco max. (radiale)	0.6 °	0.6 °	0.6 °
Pressione di esercizio min/max	1.5 bar ... 7 bar	1.5 bar ... 7 bar	1.5 bar ... 7 bar

TWC 16-HL - 25-HL



TWC 16-HL - 25-HL



1) Raccordo aria compressa
T1 = profondità filettatura

Ø pistone	D1	T1	Ø D2	Ø D3	T2	D4	D5	Ø D6	H1
16	2xM4	5	4,5	8	5,5	M5	2xM4	8	20
20	2xM4	5	4,5	8	5,5	M5	2xM4	10	24
25	2xM5	6	4,5	9	6	M5	2xM4	12	29

Ø pistone	H3	L1 ±0,8 1)	L2 ±0,2 S=10 2)	L2 ±0,2 S=20 2)	L2 ±0,2 S=30 2)	L2 ±0,2 S=40 2)	L2 ±0,2 S=50 2)	L2 ±0,2 S=60 2)	L2 ±0,2 S=70 2)
16	21	88	83	93	103	113	123	133	143
20	25	98	88	98	108	118	128	138	148
25	30	101	92	102	112	122	132	142	152

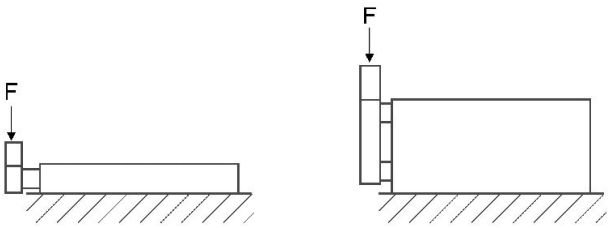
Ø pistone	L2 ±0,2 S=80 2)	L3	L4	L5	L6	L7 ±0,2 1)	L8 ±0,2 S=10 2)	L8 ±0,2 S=20 2)	L8 ±0,2 S=30 2)
16	153	8	1	6	15	40	40	45	50
20	158	10	1	9	15	40	40	45	50
25	162	10	1	8	15	50	45	50	55

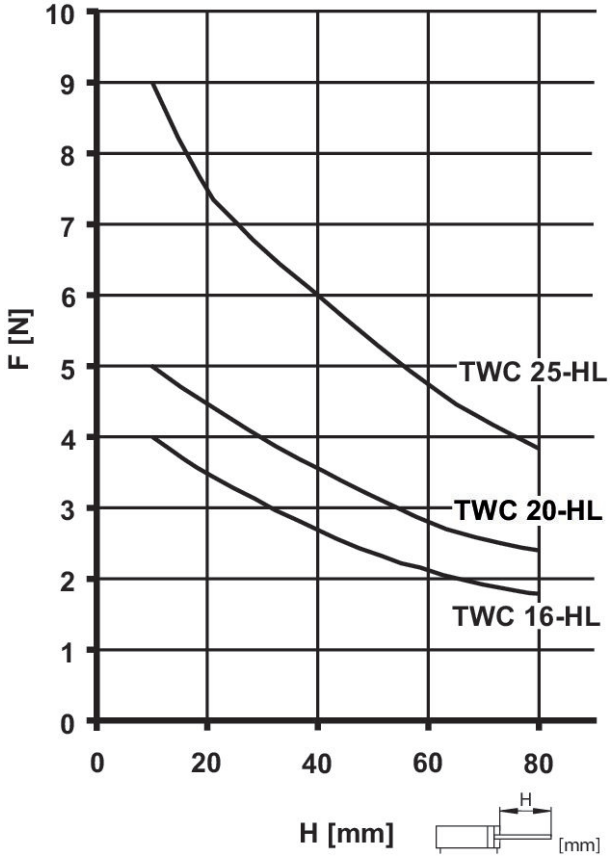
Ø pistone	L8 ±0,2 S=40 2)	L8 ±0,2 S=50 2)	L8 ±0,2 S=60 2)	L8 ±0,2 S=70 2)	L8 ±0,2 S=80 2)	L9	L10	L13	W1
16	55	60	65	70	75	22	10	13	53
20	55	60	65	70	75	25	12	13	61
25	60	65	70	75	80	30	12	10	72

Ø pistone	W2 ±0,2	W3	W4 ±0,2	W5	W6	W7	W8 ±0,2
16	34	24	47	5.7	18.5	54	47
20	44	28	55	6.8	20	62	55
25	56	34	66	8.3	22.5	73	66

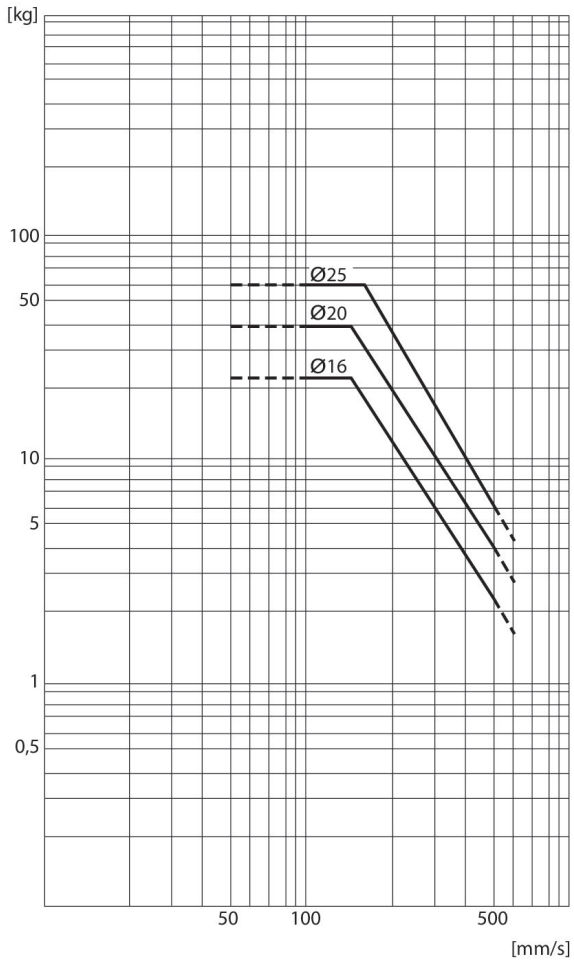
S = corsa
1) + corsa
2) dimensioni per la corsa indicata

forza trasversale F massima dipendente dalla lunghezza Ø [[16] mm] ... [[25] mm]
corsa



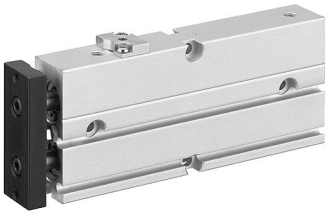


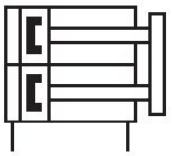
massa aggiuntiva max. spostata in base alla velocità di collisione



Cilindro a doppio pistone, Serie TWC-RL

Temperatura ambiente min./max.: 0 °C ... 60 °C

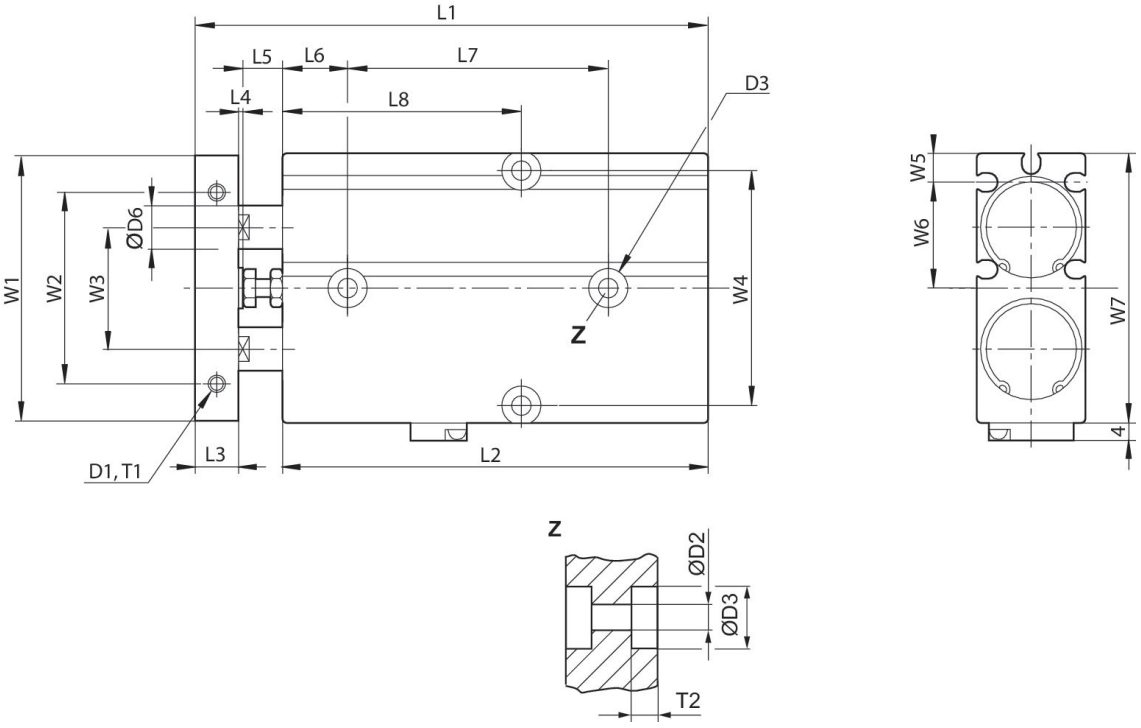




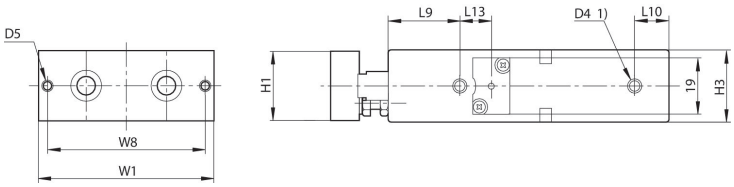
Ø pistone	16 mm	20 mm	25 mm
Raccordi	M5	M5	M5
Corsa 10	R402000870	R402000878	R402000886
20	R402000871	R402000879	R402000887
30	R402000872	R402000880	R402000888
40	R402000873	R402000881	R402000889
50	R402000874	R402000882	R402000890
60	R402000875	R402000883	R402000891
70	R402000876	R402000884	R402000892
80	R402000877	R402000885	R402000893

Ø pistone	16 mm	20 mm	25 mm
Forza del pistone in entrata	189 N	296 N	475 N
Forza del pistone in uscita	253 N	395 N	618 N
Energia di ammortizzamento	0.11 J	0.17 J	0.23 J
Energia d'urto	0.27 J	0.4 J	0.8 J
Peso 10 mm corsa	0.033 kg	0.049 kg	0.051 kg
Gioco max. (radiale)	0.6 °	0.6 °	0.6 °
Pressione di esercizio min/max	1.5 bar ... 7 bar	1.5 bar ... 7 bar	1.5 bar ... 7 bar

TWC 16-RL - 25-RL



TWC 16-RL - 25-RL



1) Raccordo aria compressa
T1 = profondità filettatura

Ø pistone	D1	T1	Ø D2	Ø D3	T2	D4	D5	Ø D6	H1
16	2xM4	5	4,5	8	5,5	M5	2xM4	8	20
20	2xM4	5	4,5	8	5,5	M5	2xM4	10	24
25	2xM5	6	4,5	9	6	M5	2xM4	12	29

Ø pistone	H3	L1 ±0,8 1)	L2 ±0,2 S=10 2)	L2 ±0,2 S=20 2)	L2 ±0,2 S=30 2)	L2 ±0,2 S=40 2)	L2 ±0,2 S=50 2)	L2 ±0,2 S=60 2)	L2 ±0,2 S=70 2)
16	21	88	83	93	103	113	123	133	143
20	25	98	88	98	108	118	128	138	148
25	30	101	92	102	112	122	132	142	152

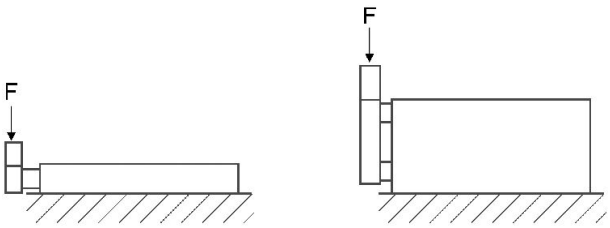
Ø pistone	L2 ±0,2 S=80 2)	L3	L4	L5	L6	L7 ±0,2 1)	L8 ±0,2 S=10 2)	L8 ±0,2 S=20 2)	L8 ±0,2 S=30 2)
16	153	8	1	6	15	40	45	45	50
20	158	10	1	9	15	40	45	45	50
25	162	10	1	8	15	50	50	50	55

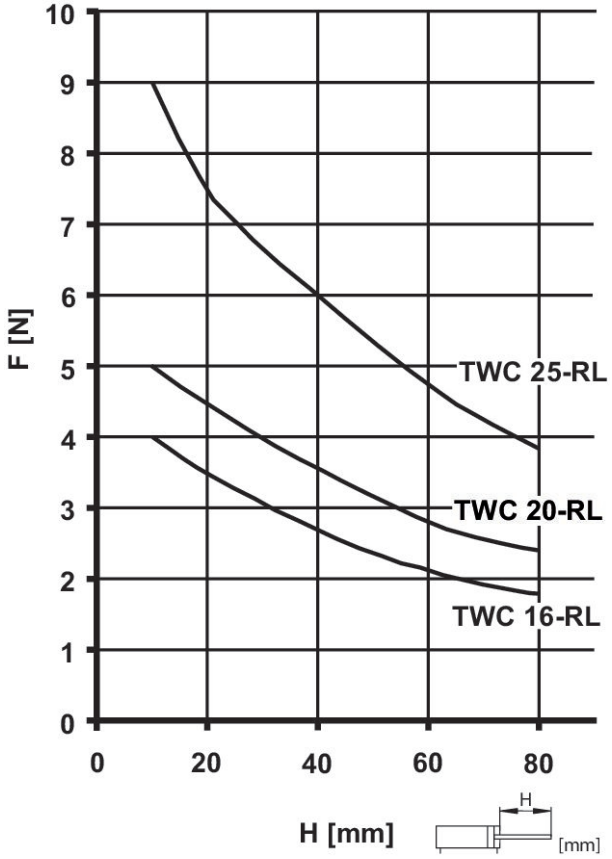
Ø pistone	L8 ±0,2 S=40 2)	L8 ±0,2 S=50 2)	L8 ±0,2 S=60 2)	L8 ±0,2 S=70 2)	L8 ±0,2 S=80 2)	L9	L10	L13	W1
16	55	60	65	70	75	22	10	11	53
20	55	60	65	70	75	25	12	11	61
25	60	65	70	75	80	30	12	9	72

Ø pistone	W2 ±0,2	W3	W4 ±0,2	W5	W6	W7	W8 ±0,2
16	34	24	47	5.7	18.5	54	47
20	44	28	55	6.8	20	62	55
25	56	34	66	8.3	22.5	73	66

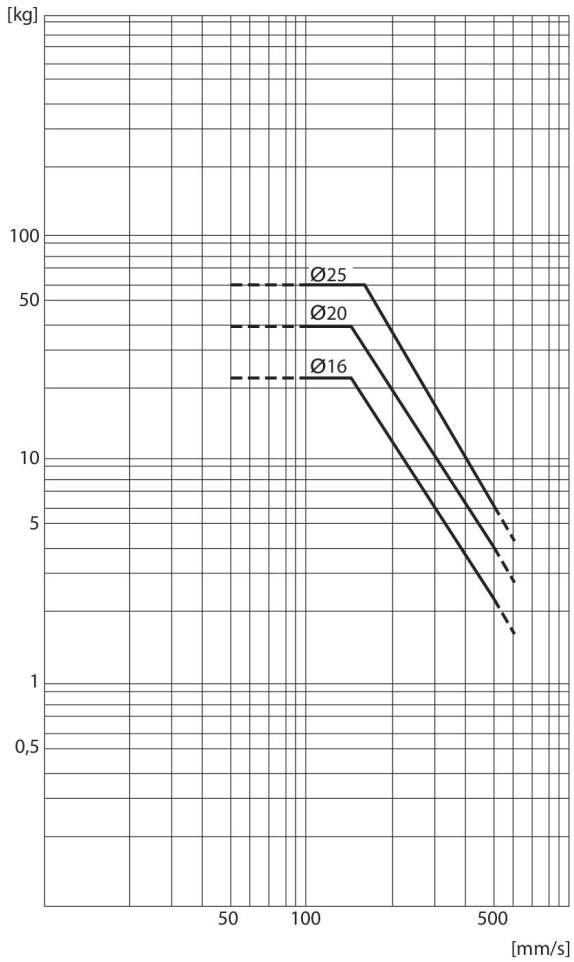
S = corsa
1) + corsa
2) dimensioni per la corsa indicata

forza trasversale F massima dipendente dalla lunghezza 16 ... 25 mm corsa



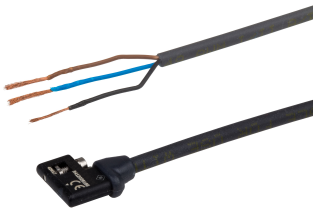


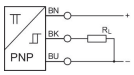
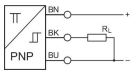
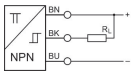
massa aggiuntiva max. spostata in base alla velocità di collisione



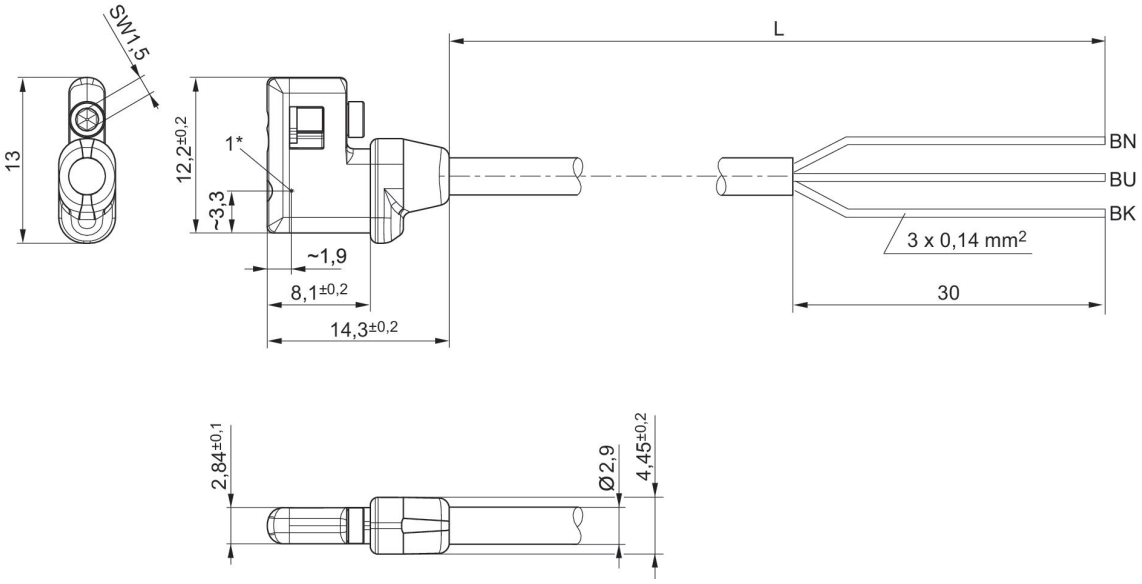
Sensori, Serie SC4, estremità cavo aperte

Per serie: RTC, MSN, GPC, MSC, PRA, SSI, TWC
Certificati: Dichiarazione di conformità CE, cULus, UL (Underwriters Laboratories)
Attacco elettrico 2, tipo: stagnato senza bussola terminale del conduttore
Temperatura ambiente min./max.: -30 °C ... 80 °C



	Tipo di contatto	Conexión eléctrica numero poli	Lunghez-za cavo L [m]	Codice
	PNP elettroni-co	A 3 poli	3	R412026162
	PNP elettroni-co	A 3 poli	5	R412026163
	NPN	A 3 poli	3	R412026166

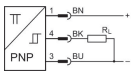
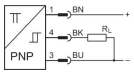
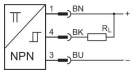
Dimensioni



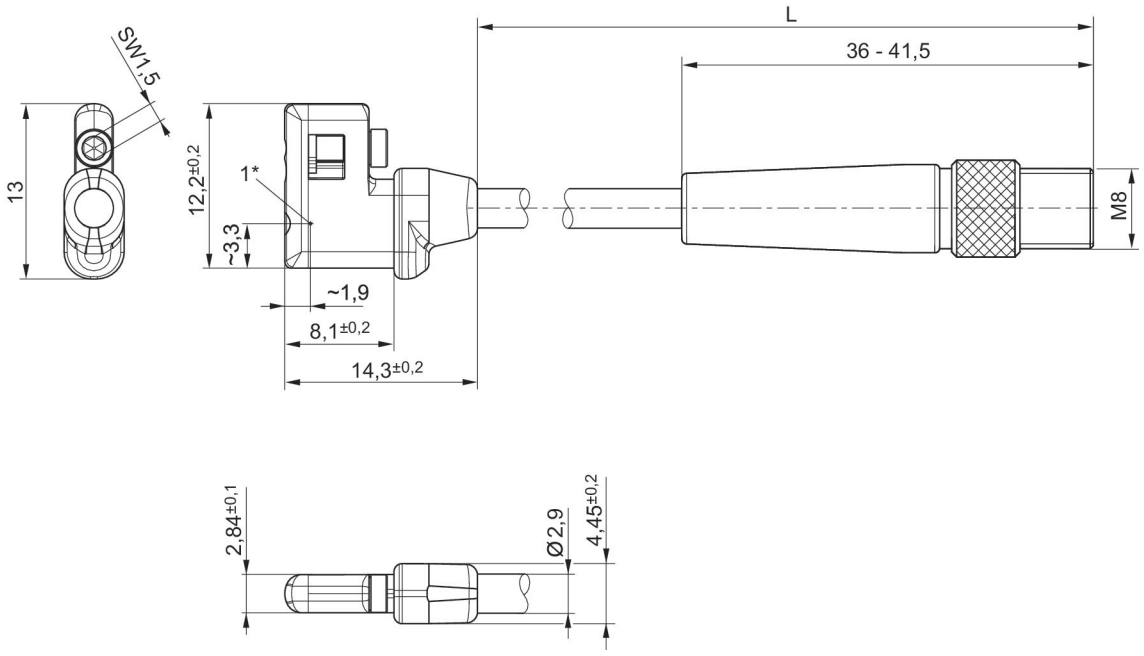
* Punto di commutazione
L = lunghezza cavo

Sensori, Serie SC4, con cavo, connettore M8

Per serie: RTC, MSN, GPC, MSC, PRA, SSI, TWC
Certificati: Dichiarazione di conformità CE, cULus, UL (Underwriters Laboratories)
Attacco elettrico 2, tipo: Connettore
Temperatura ambiente min./max.: -30 °C ... 80 °C

	Tipo di contatto	Conexión eléctrica numero poli	Lunghez-za cavo L [m]	Codice
	PNP elettroni-co	A 3 poli	0.3	R412026164
	PNP elettroni-co	A 3 poli	0.5	R412026165
	NPN elettro-nico	A 3 poli	0.3	R412026167

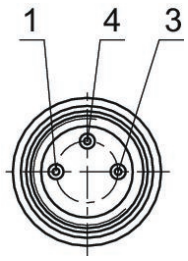
Dimensioni



* Punto di commutazione
L = lunghezza cavo

R412026164, R412026165, R412026167

occupazione pin M8x1 (a 3 poli)



Pin	Occupazione
1	(+)
3	(-)
4	(OUT)

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