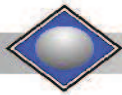
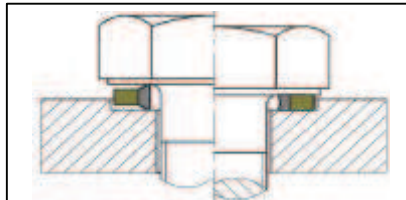
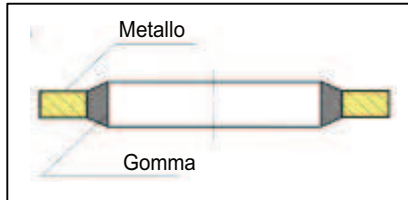
**Sezione: N**

<b>Tipologia</b>	<b>Pagina</b>
Gas	4
Metrica	5
Cetop	8
Autocentranti	8
Autocentranti speciali	9

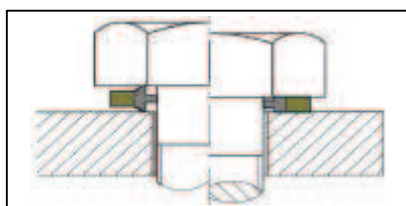
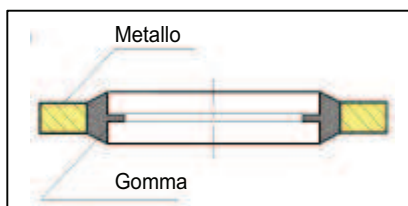


Le rondelle di tenuta acciaio gomma rappresentano una combinazione metallo/gomma ad alta resistenza. La parte in gomma viene vulcanizzata sulla parte interna della rondella metallica. La tenuta viene garantita dalla compressione con conseguente deformazione dell' eòastomero verso la superficie di tenuta.

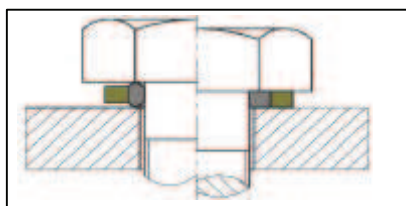
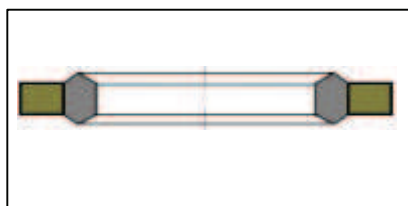
### Profili più comuni e loro installazione



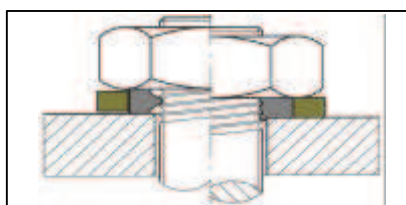
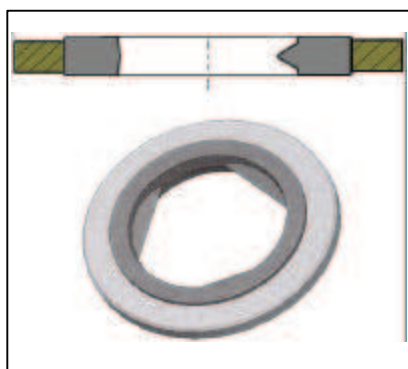
Tenuta standard utilizzata in quasi tutte le applicazioni.



Tenuta con profilo speciale per facilitare il centraggio in fase di serraggio



Tenuta con profilo adatto per accoppiamenti aventi una minima coppia di serraggio



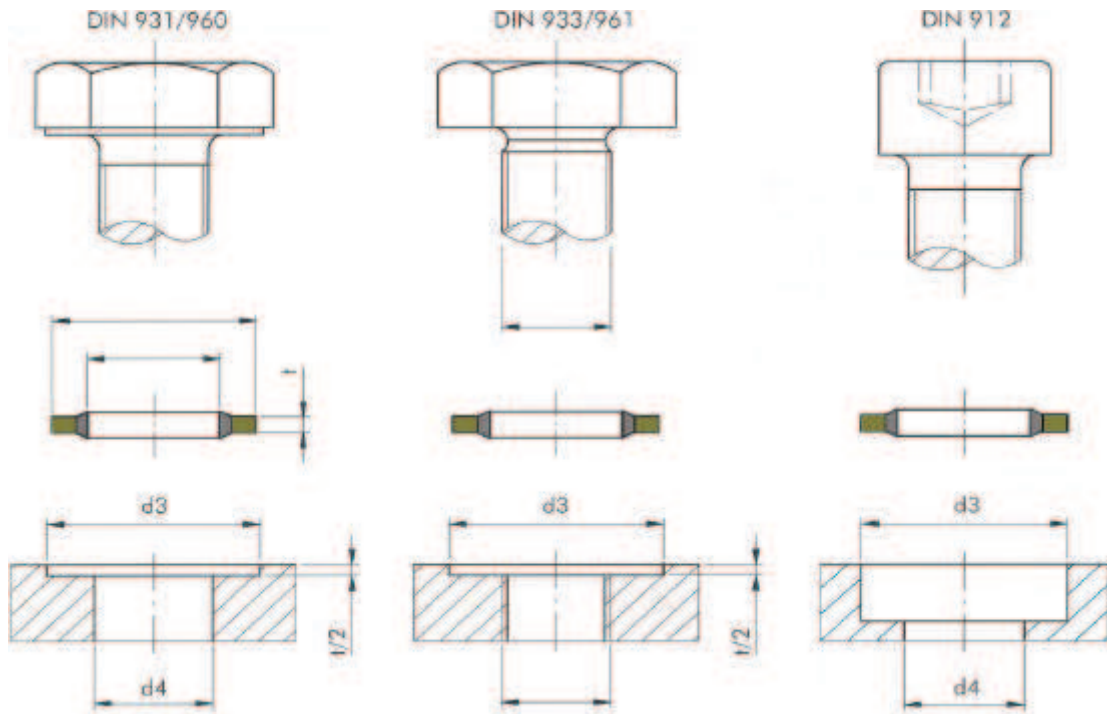
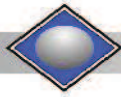
Tenuta con profilo a tre lobi adatta per tenuta su filetti.

#### Materiali

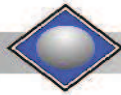
Anello acciaio	Tenuta interna
AISI 1008	NBR 70°Sh
zincato giallo	NBR 90°Sh
AISI 304 inox	FPM 70°Sh
grigio	FPM 90°Sh

#### Finitura superfici

Rmax µm	Ra µm
< 15	< 3,2

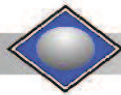


GAS	Di	De	t	d3	d4	Altri riferimenti			
	3,05	6,35	1,22	6,48	2,79	DDW400001	001	68910	
	3,70	8,05	1,04	8,30	3,50	DDW200005			
	4,00	8,38	1,04	8,70	3,90	DDW200006			
	4,12	7,26	1,22	7,39	3,60	DDW400002	002	68911	
	4,70	9,29	1,04	9,60	4,50	DDW200008			
	5,21	8,38	1,22	8,51	4,69	DDW400003	003	62598	PP45-3
	5,60	10,79	1,37	11,10	5,40	DDW200190			
	6,20	11,55	1,37	11,90	6,00	DDW200216			
	6,86	13,21	1,22	13,34	6,34	DDW400004	004	44934	PP45-4
	6,99	13,34	1,22	13,47	6,35	DDW400005	005	68912	
	7,10	13,18	1,37	13,50	7,00	DDW200250			
	8,31	13,34	1,22	13,47	7,93	DDW400006	006	68913	PP45-6
	8,64	14,22	1,22	14,35	7,94	DDW400007	007	39318	PP45-7
	8,70	15,16	1,37	15,50	8,50	DDW200312			
	10,30	17,52	1,37	17,80	10,20	DDW200375			
1/8	10,37	15,88	2,00	16,01	9,53	DDW400020	020	35493	PP45-A
	11,26	18,36	2,00	18,49	10,16	DDW400008	008	68914	PP45-8
	11,69	19,05	2,00	19,18	11,11	DDW400009	009	68915	PP45-9
	11,90	19,53	1,90	19,80	11,70	DDW200437			
	13,70	22,30	1,90	22,50	13,50	DDW200500			
1/4	13,74	20,57	2,00	20,70	12,70	DDW400021	021	35494	PP45-B
	14,86	22,23	2,00	22,36	14,28	DDW400010	010	68916	PP45-10
	15,30	24,68	1,90	25,06	15,00	DDW200562			
	15,83	22,23	2,00	22,36	15,23	DDW400022	022	68917	PP45-BB
	16,52	25,40	2,00	25,53	15,88	DDW400011	011	68918	PP45-11
	16,90	27,05	1,90	27,30	16,80	DDW200625			
3/8	17,28	23,80	2,00	23,93	16,64	DDW400023	023	35495	PP45-C
	18,16	25,40	2,34	25,53	17,46	DDW400012	012	68919	PP45-12
	18,50	29,43	2,28	29,70	18,20	DDW200687			
	19,69	26,92	2,34	27,05	19,05	DDW400024	024	68920	PP45-CC

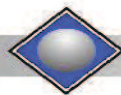


GAS	Di	De	t	d3	d4	Altri riferimenti				
	20,30	32,23	2,28	32,50	20,00	DDW200750				
1/2	21,54	28,58	2,34	28,71	20,64	DDW400025	025	39319	PP45-D	
	21,90	34,59	2,28	34,90	21,50	DDW200812				
5/8	23,49	31,75	2,34	31,88	22,23	DDW400026	026	68921	PP45-E	
	23,50	36,98	2,28	37,30	23,20	DDW200875				
	24,26	33,27	2,34	33,40	23,80	DDW400013	013	68922	PP45-13	
	25,10	38,96	2,28	39,30	24,80	DDW200937				
	26,70	42,13	2,28	42,40	26,50	DDW201000				
3/4	27,05	34,93	2,34	35,06	25,41	DDW400027	027	35497	PP45-F	
	27,82	38,61	2,34	38,74	27,00	DDW400028	028	68923	PP45-FF	
	29,33	36,58	2,34	36,71	28,57	DDW400014	014	68924	PP45-14	
	29,80	46,91	2,28	47,30	29,50	DDW201125				
7/8	30,81	38,10	2,34	38,23	30,15	DDW400029	029	35498	PP45-G	
	32,64	41,40	3,25	41,53	31,74	DDW400015	015	68925	PP45-15	
	33,00	51,28	3,40	51,40	32,80	DDW201250				
1	33,89	42,80	2,34	42,93	33,33	DDW400031	031	68926		
1	33,89	42,80	3,25	42,93	33,33	DDW400030	030	35499	PP45-H	
	35,94	44,45	3,25	44,58	34,92	DDW400016	016	68927	PP45-16	
	38,96	47,75	3,25	47,88	38,10	DDW400017	017	68928	PP45-17	
	39,50	58,93	3,40	58,30	39,00	DDW201500				
1 1/4	42,93	52,38	3,25	52,51	41,29	DDW400032	032	35500	PP45-J	
	45,34	57,15	3,25	57,28	44,44	DDW400018	018	68929	PP45-18	
1 1/2	48,44	58,60	3,25	58,73	47,64	DDW400033	033	35501	PP45-K	
	51,69	63,50	3,25	63,63	50,79	DDW400019	019	64617		
1 3/4	54,89	69,85	3,25	69,98	53,99	DDW400034	034	60471	PP45-L	
	58,04	70,36	3,25	70,49	57,14	DDW400035	035		PP45-LL	
2	60,58	73,03	3,25	73,16	59,62	DDW400036	036	68930	PP45-M	
	64,39	77,72	3,25	77,85	63,49	DDW400037	037		PP45-MM	
2 1/4	66,68	79,50	3,25	79,63	65,50	DDW400038	038	68932	PP45-N	
2 1/2	76,08	90,17	3,25	90,30	75,18	DDW400039	039	68933	PP45-P	

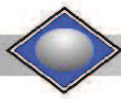
Filetto	Di	De	t	d3	d4	Altri riferimenti				
M2.5	3,10	6,40	1,00	6,70	2,70	DDM000031				
M2.5	3,10	6,40	1,30	6,70	2,70	DDM100031				
M3	3,60	7,50	1,00	3,73	3,20	DDM000036	301		68934	
M3	4,10	7,00	1,00	7,30	3,20	DDM000041				
M3	4,10	7,20	1,00	7,50	3,20	DDM100041	201	C07472	24707	
M4	4,50	7,00	1,00	7,35	4,20	DDM000045	202	C07471	68905	
M4	4,60	9,00	1,00	9,30	4,30	DDM000046	302		68935	
M4	4,90	8,60	1,00	8,90	4,30	DDM000049				
	5,20	8,40	1,00	8,70				C07523 A63-03		
M5	5,60	10,00	1,00	10,13	5,20	DDM000056	303	C07475	68936	
M5	5,70	9,00	1,00	9,30	5,30	DDM000057	203	C07473	68906	
M5	5,70	9,20	1,00	9,50	5,30	DDM100057				
M5	5,70	10,00	1,00	10,30	5,30	DDM200057	204		36060	
M5	6,20	9,20	1,00	9,50	5,30	DDM000062	205	C07474	69181	
M6	6,60	11,00	1,00	11,13	6,20	DDM000066	304		68937	
M6	6,70	10,00	1,00	10,30	6,40	DDM000067	206	C07476	65026	
M6	6,70	11,00	1,00	11,30	6,40	DDM100067	207	C07478	36059	
M6	6,70	11,00	2,50	11,35	6,40	DDM200067	208	C07479	69183	
M6	6,85	13,27	1,30	13,40	6,20	DDM000068	305		69202	
M6	6,90	13,20	1,30	13,50	6,40	DDM000069		C07524 A63-04		
M6	7,00	11,40	1,00	11,53	6,20	DDM100070	306		68938	



Filetto	Di	De	t	d3	d4	Altri riferimenti			
M6	7,00	13,40	1,30	13,70	6,40	DDM000070			
M6	7,10	12,00	1,00	12,30	6,40	DDM000071	209	C07480	69184
M6	7,30	10,20	1,00	10,50	6,40	DDM000073	210	C07477	39489
	8,30	13,40	1,30	13,70				C07525 A63-06	
M6	8,50	13,40	1,00	13,70	6,40	DDM000085	211	C07483	68907
M8	8,60	13,00	1,00	13,13	8,20	DDM000086	307		56719
M8	8,70	13,00	1,00	13,30	8,40	DDM000087	212	C07481	38660
M8	8,70	14,00	1,00	14,30	8,40	DDM100087	213	C07484	68908
M8	8,70	14,20	1,30	14,50	8,40	DDM200087		C07526 A 63-07	
M8	8,70	16,00	1,00	16,30	8,40	DDM300087	214	C07485	69185
M8	9,30	13,30	1,00	13,60	8,40	DDM000093	215	C07482	35453
M10	10,35	16,00	2,00	16,17	9,95	DDM000103	216	C07527 A 63-08	44738
M8	10,70	16,00	1,50	16,30	8,40	DDM000107	217	C07486	44013
M10	10,70	17,00	1,50	17,13	10,20	DDM200107	310		40576
M8	10,70	18,00	1,50	18,30	8,40	DDM100107	218	C07488	36061
	11,20	18,40	2,10	18,70				C07528 A 63-09	
M10	11,40	16,30	1,50	16,60	10,50	DDM000114	219	C07487	69186
	11,70	19,10	2,10	19,40				C07529 A 63-10	
M11	11,80	18,10	1,50	18,23	11,20	DDM200118	312		68939
M10	11,80	18,50	1,50	18,80	10,50	DDM000118	220	C07490	24710
M10	11,80	19,10	1,50	19,40	10,50	DDM100118	221	C07492	44739
M10	12,70	18,00	1,50	18,30	10,50	DDM000127	222	C07489	35454
M12	12,70	19,00	1,50	19,13	12,20	DDM200127	313		68940
M10	12,70	20,00	1,50	20,30	10,50	DDM100127	223	C07493	55948
M12	13,70	20,00	1,50	20,30	13,00	DDM000137	224	C07494	69187
M12	13,70	20,60	2,10	20,90	13,00	DDM100137		C07530 A 63-11	
M12	13,70	22,00	1,50	22,30	13,00	DDM200137	225	C07495	69188
M12	13,70	22,20	1,59	22,50	13,00	DDM300137			
M13	13,80	20,10	1,50	20,23	13,20	DDM000138	315		69189
M12	14,00	18,70	1,50	19,00	13,00	DDM000140	226	C07491	35455
M14	14,70	21,00	1,50	21,13	14,20	DDM100147	316		68941
M12	14,70	22,00	1,50	22,30	13,00	DDM000147	227	C07496	39320
M12	14,90	22,30	2,10	22,60	13,00	DDM000149		C07531 A 63-12	
	15,90	22,30	2,10	22,60				C07532 A 63-13	
M14	16,00	22,70	1,50	23,00	15,00	DDM000160	228	C07497	69190
M14	16,50	25,50	2,10	25,80	15,00	DDM000165		C07534 A 63-14	
M16	16,70	23,00	1,50	23,13	16,20	DOM1 00167	317		68942
M14	16,70	24,00	1,50	24,30	15,00	DDM000167	229	C07498	24709
M16.5	17,20	23,90	2,10	24,03	16,70	DDM000172	319	C07535	69203
	17,30	23,90	2,10	24,20				C07533 A 63-15	
M17	17,40	23,70	1,50	23,83	17,20	DDM200174	318		
M14	17,40	24,00	1,50	24,30	15,00	DDM000174	230	C07499	35894
M14	17,40	24,00	2,00	24,30	15,00	DDM100174			
M16	18,00	24,70	1,50	25,00	17,00	DDM000180	231	C07500	24708
M16	18,20	25,40	2,50	25,70	17,00	DDM000182		C07537 A 63-16	
M16	18,70	26,00	1,50	26,30	17,00	DDM000187	232	C07501	44014
M18	18,70	27,00	2,00	27,13	18,20	DDM100187	320		68943
	19,70	27,00	2,50	27,30				C07536 A 63-17	
M18	20,70	28,00	1,50	28,30	19,00	DDM000207	233	C07502	44015
M20	20,70	29,00	2,00	29,13	20,20	DDM100207	321		40577
M18	21,50	28,70	2,50	29,00	19,00	DDM000215	234	A 63-18	63951
M21	21,70	30,00	2,00	30,13	21,20	DDM000217	323		69317
M20	22,50	28,00	1,50	28,30	21,00	DDM000225	235		69191
M20	22,70	30,00	2,00	30,30	21,00	DDM000227	236	C07504	37698
M20	22,70	30,00	3,00	30,30	21,00	DDM100227	237		68909



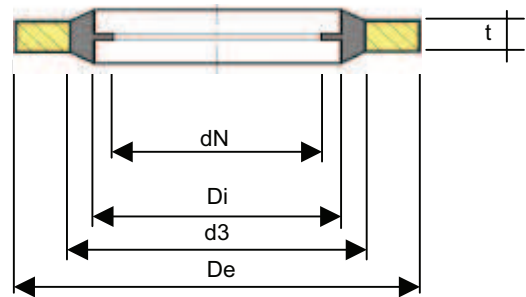
Filetto	Di	De	t	d3	d4	Altri riferimenti			
M22	22,70	31,00	2,00	31,13	22,20	DDM200227	324	C07540	68944
	23,50	31,80	2,50	32,10				C07538 A 63-19	
M23	23,70	32,00	2,00	32,13	23,20	DDM000237	325		69192
	24,30	33,30	2,50	33,60				C07539 A 63-20	
M20	24,70	32,00	2,00	32,30	21,00	DDM000247	238	C07506	35893
M24	24,70	33,00	2,00	33,13	24,20	DDM100247	326		68945
M22	26,70	35,00	2,00	35,30	23,00	DDM000267		C07505	37654
M24	27,00	35,00	2,50	35,30	25,00	DDM000270		A 63-21	
M26	27,00	35,30	2,00	35,43	26,20	DDM100270	327		69193
M24	27,20	36,00	2,00	36,30	25,00	DDM000272	240	C07508	38094
M27	27,70	36,00	2,00	36,13	27,20	DDM000277	328		44419
	27,80	38,70	2,50	39,00				C07542 A 63-22	
M28	28,60	36,00	2,00	36,13	28,20	DDM000286	329		69194
M24	28,70	37,00	2,00	37,30	25,00	DDM000287		C07509	24711
M28.5	29,20	37,50	2,00	37,63	28,70	DDM000292	330		69195
M30	30,70	39,00	2,00	39,13	30,20	DDM000307	331		40578
	30,80	38,20	2,50	38,50				C07543 A 63-24	
M27	31,00	39,00	2,00	39,30	28,00	DDM000310	242	C07510	24706
	32,60	41,40	2,50	41,70				C07544 A 63-25	
M27	33,70	42,00	2,00	42,30	28,00	DDM000337	243		38392
	33,90	42,90	2,50	43,20				C07545 A 63-26	
M27	33,90	42,80	3,25	43,10	28,00	DDM000339			
M27	33,90	42,90	3,40	43,20	28,00	DDM100339			
M30	34,30	43,00	2,00	43,30	31,00	DDM000343	244	C07512	39367
	35,90	44,50	2,50	44,80				C07546 A 63-28	
M30	36,70	46,00	2,00	46,30	31,00	DDM000367	245		44918
M36	37,00	48,00	2,50	48,13	36,20	DDM000370	333		56720
	39,00	47,80	2,50	48,10				C07547 A 63-29	
M30	40,00	51,00	2,50	51,30	37,00	DDM000400	246		35892
M39	40,00	51,00	2,50	51,13	39,20	DDM100400	334		
M36	42,70	53,00	3,00	53,30	37,00	DDM000427	247		44937
	42,90	52,40	2,50	52,70				C07548 A 63-30	
M42	43,00	54,00	2,50	54,13	42,20	DDM000430	335		68946
	45,30	57,20	2,50	57,50				C07549 A 63-31	
M45	46,00	57,00	2,50	57,13	45,20	DDM000460	336		68947
	48,40	58,70	2,50	59,00				C07550 A 63-32	
M36	48,70	59,00	3,00	59,30	37,00	DDM000487	248		44016
M48	49,00	60,00	2,50	60,13	48,20	DDM000490	337		44420
	51,70	63,50	2,50	63,80				C07551 A 63-33	
M42	51,70	63,50	3,25	63,80	43,00	DDM000517			
M42	52,00	60,00	3,00	60,30	43,00	DDM000520	249		69196
M48	53,30	64,50	3,00	64,80	50,00	DDM000533	250	C07518	69197
	54,90	69,90	2,50	70,20				C07552 A 63-34	
	58,00	70,40	2,50	70,70				C07553 A 63-35	
	60,60	73,00	2,50	73,30				C07554 A 63-36	
M48	60,70	73,00	3,00	73,30	50,00	DDM000607	251		69198
M68	68,60	79,50	3,50	79,65	68,20	DDM000686	252		69199
M75	76,10	90,30	3,38	90,45	75,20	DDM100761	253		69200
M64	76,10	90,30	3,40	90,60	66,00	DDM000761			
M88	89,09	101,48	3,25	101,63	88,20	DDM000890	254		55921
M125	127,00	143,67	5,00	143,82	125,20	DDM001270	255		



## Serie CETOP

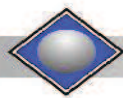
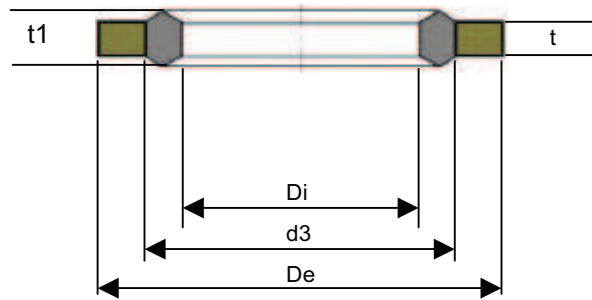
GAS	Di	De	t	d3	d4	Altri riferimenti			
1/16	8,30	12,70	1,25	13,00		DDW400519	519	69232	
1/8	10,40	14,70	1,25	15,00		DDW400510	510	69182	
1/4	13,85	18,70	1,25	19,00		DDW400511	511	69224	
3/8	17,35	22,70	1,25	23,00		DDW400512	512	69225	
1/2	21,65	26,70	1,25	27,00		DDW400513	513	69226	
3/4	27,30	32,50	1,25	33,00		DDW400514	514	69227	
1	34,20	39,50	2,00	40,00		DDW400515	515	69228	
1 1/4	42,80	49,50	2,00	50,00		DDW400516	516	69229	
1 1/2	48,70	55,50	2,00	56,00		DDW400517	517	69230	
2	60,50	68,50	2,00	69,00		DDW400518	518	69231	

## Serie AUTOCENTRANTI

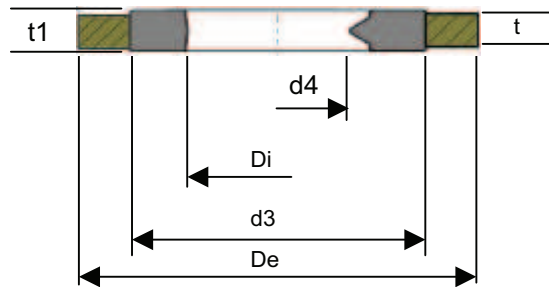


Filetto	Di	De	d3	dN	t	Altri riferimenti		
M4	4,50	7,00	5,40	3,30	1,00	DDMOC0045	947	89091
M5	5,70	10,00	7,40	4,45	1,00	DDMOC0057	946	
M6	6,70	10,00	8,00	5,60	1,00	DDMOC0067	898	
M8	8,70	14,00	10,40	6,40	1,00	DDMOC0087	866	4007
M10	10,70	16,00	12,40	8,05	1,50	DDMOC0107	708	89100
M12	12,70	19,00	14,10	9,73	1,50	DDMOC0127	867	
M14	14,70	22,00	16,40	11,38	1,50	DDMOC0147	868	89098
M16	16,70	24,00	18,40	13,41	1,50	DDMOC0167	870	89090
M18	18,70	26,00	20,40	14,76	1,50	DDMOC0187	872	41640
M20	20,70	28,00	22,50	16,76	1,50	DDMOC0207	873	41654
M22	22,70	30,00	24,40	18,74	2,00	DDMOC0227	874	89094
M24	24,70	32,00	26,40	20,11	2,00	DDMOC0247	875	
1/8	10,37	15,88	11,84	8,26	2,00	DDW4C0820	820	89096
1/4	13,74	20,57	15,21	11,18	2,00	DDW4C0821	821	89081
	16,51	25,40	18,75	12,90	2,00	DDW4C0869	869	
3/8	17,28	23,80	18,75	14,76	2,00	DDW4C0823	823	89088
	18,16	25,40	19,69	14,50	2,40	DDW4C0871	871	
1/2	21,54	28,58	23,01	18,24	2,47	DDW4C0825	825	
5/8	23,49	31,75	24,97	20,27	2,47	DDW4C0826	826	5467
3/4	27,05	34,93	28,53	23,83	2,47	DDW4C0827	827	89089
7/8	30,81	38,10	32,29	27,51	2,47	DDW4C0829	829	3979
1	33,89	42,80	36,88	29,92	3,40	DDW4C0830	830	89093
1 1/4	42,93	52,38	45,93	38,45	3,40	DDW4C0832	832	10510
1 1/2	48,44	58,60	51,39	44,45	3,40	DDW4C0833	833	90383
1 3/4	54,89	69,85	58,30	50,42	3,40	DDW4C0834	834	
2	60,58	73,03	63,63	56,26	3,40	DDW4C0836	836	
2 1/4	66,68	79,50	69,98	62,36	3,40	DDW4C0838	838	
2 1/2	76,08	90,17	79,38	71,50	3,40	DDW4C0839	839	45473



**Serie AUTOCENTRANTI speciali**

Filetto	$D_i$	$D_e$	$d_3$	$t_1$	$t$	$d_4$	Riferimenti
M3	3,00	5,90	4,50	1,40	1,00		DDG1000M3   541376
M4	4,00	7,90	6,00	1,50	1,00		DDG1000M4   541488
M5	5,00	8,90	6,40	1,50	1,00		DDG1000M5   541471
M6	6,00	9,90	8,00	1,50	1,00		DDG1000M6   541377
M8	8,00	13,90	11,00	2,00	1,00		DDG1000M8   541378
M 10	10,00	16,90	13,00	2,50	1,50		DDG100M10   541379
M 12	12,00	18,90	16,00	2,50	1,50		DDG100M12   541380
M 14	14,00	21,90	18,00	2,50	1,50		DDG100M14   541489
M 16	16,00	23,90	20,00	2,50	1,50		DDG100M16   541480
M 18	18,00	26,90	22,00	3,00	2,00		DDG100M18   541518
M 20	20,00	29,90	25,00	3,00	2,00		DDG100M20   541579
M 22	22,00	31,90	27,00	3,00	2,00		DDG100M22   541490
M 24	24,00	35,90	29,00	3,00	2,00		DDG100M24   541623



Filetto	$D_i$	$D_e$	$d_3$	$t_1$	$t$	$d_4$	Riferimenti
M4	4,20	7,90	6,00	1,80	1,00	3,10	DDG2000M4   541381
M5	5,20	8,90	6,40	1,80	1,00	4,00	DDG2000M5   541619
M6	6,20	9,90	8,00	1,80	1,00	4,70	DDG2000M6   541382
M8	8,20	13,90	11,00	2,50	1,50	6,40	DDG2000M8   541369
M 10	10,20	16,90	13,00	2,50	1,50	8,10	DDG200M10   541461
M 12	12,20	18,90	15,00	2,50	1,50	9,80	DDG200M12   541383
M 14	14,20	21,90	18,00	3,00	2,00	11,50	DDG200M14   541620
M 16	16,20	23,90	20,00	3,50	2,50	13,50	DDG200M16   541586
M 18	18,20	26,90	22,00	3,50	2,50	14,80	DDG200M18   541621
M 20	20,20	29,90	25,00	3,70	2,50	16,80	DDG200M20   541622
M 22	22,20	31,90	27,00	3,70	2,50	18,80	DDG200M22   541624
M 24	24,20	35,90	29,00	4,20	3,00	20,20	DDG200M24   541475