



Diametro interno I.D. (mm)	Sezione corda C.S. (mm)	Codice GAPI Code	ITALIA	AS 568A	BS 1806	BS 4518	SMS 1588	FRENCHR NFT 47-501	JIS 2401	ISO/DIN
398,00	6,00	11B411								
400,00	6,00	11A737								
415,00	6,00	11B43I								
422,00	6,00	11B44I								
429,00	6,00	11B09H								
446,00	6,00	11B46I								
448,00	6,00	11B47I								
450,00	6,00	11B49I								
470,00	6,00	11B52I								
478,00	6,00	11B53I								
480,00	6,00	11B12H								
486,00	6,00	11B56I								
489,00	6,00	11B58I								
500,00	6,00	11B59I								
504,00	6,00	11B61I								
505,00	6,00	11B62I								
508,00	6,00	11B64I								
510,00	6,00	11B65I								
516,00	6,00	11B67I								
530,00	6,00	11B68I								
540,00	6,00	11B13H								
544,00	6,00	11B70I								
549,00	6,00	11B71I								
555,00	6,00	11B74I								
560,00	6,00	11B76I								
569,00	6,00	11B77I								
575,00	6,00	11B79I								
579,00	6,00	11B80I								
113,67	6,99	11A738	8450	'425				R53		
114,70	6,99	11A739	197		624					
116,84	6,99	11A740	8462	'426				R54		
120,02	6,99	11A741	8475	'427				R55		
123,19	6,99	11A742	8487	'428				R56		
124,60	6,99	11A743	204		625					
126,37	6,99	11A744	8500	'429				R57		
129,54	6,99	11A745	8512	'430				R58		
132,72	6,99	11A746	8525	'431				R59		
134,50	6,99	11A747	211		626					
135,89	6,99	11A748	8537	'432				R60		
139,07	6,99	11A749	8550	'433				R61		
142,24	6,99	11A750	8562	'434				R62		
145,42	6,99	11A751	8575	'435				R63		
148,59	6,99	11A752	8587	'436				R64		
151,77	6,99	11A753	8600	'437				R65		
155,60	6,99	11A754	223		872					

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158,12	6,99	11A755	8625	'438				R66		
159,50	6,99	11A756	225		627					
161,90	6,99	11A757	226		874					
164,47	6,99	11A758	8650	'439				R67		
166,70	6,99	11A759	228		628					
168,30	6,99	11A760	229		876					
170,82	6,99	11A761	8675	'440				R68		
174,60	6,99	11A762	231		878					
177,17	6,99	11A763	8700	'441				R69		
181,00	6,99	11A764	233		880					
183,52	6,99	11A765	8725	'442				R70		
187,30	6,99	11A766	235		882					
189,87	6,99	11A767	8750	'443				R71		
193,70	6,99	11A768	237		884					
196,22	6,99	11A769	8775	'444				R72		
200,00	6,99	11A770	239		886					
202,57	6,99	11A771	8800	'445				R73		
208,92	6,99	11A772	8825		674					
215,27	6,99	11A773	8850	'446				R74		
221,62	6,99	11A774	8875		676					
227,97	6,99	11A775	8900	'447				R75		
234,32	6,99	11A776	8925		678					
240,67	6,99	11A777	8950	'448				R76		
247,00	6,99	11A778	8975		680					
253,37	6,99	11A779	81000	'449				R77		
259,70	6,99	11A780	81025		682					
266,07	6,99	11A781	81050	'450				R78		
272,40	6,99	11A782	81075		684					
278,77	6,99	11A783	81100	'451				R79		
285,10	6,99	11A784	81125		686					
291,47	6,99	11A785	81150	'452				R80		
297,80	6,99	11A786	81175		688					
304,17	6,99	11A787	81200	'453				R81		
310,50	6,99	11B65H			648					
316,87	6,99	11A788	81250	'454				R82		
323,20	6,99	11B66H			649					
329,57	6,99	11A789	81300	'455				R83		
335,90	6,99	11B68H			650					
342,27	6,99	11A790	81350	'456				R84		
354,97	6,99	11A791	81400	'457				R85		
367,67	6,99	11A792	81450	'458				R86		
380,37	6,99	11A793	81500	'459				R87		
393,07	6,99	11A794	81550	'460				R88		
405,26	6,99	11A795	81600	'461						
417,96	6,99	11A796	81650	'462						

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430,66	6,99	11A797	81700	'463						
443,36	6,99	11A798	81750	'464						
456,06	6,99	11A799	81800	'465						
468,76	6,99	11A800	81850	'466						
481,46	6,99	11A801	81900	'467						
494,16	6,99	11A802	81950	'468						
506,86	6,99	11A803	82000	'469						
532,26	6,99	11A804	82100	'470						
557,66	6,99	11A805	82200	'471						
582,68	6,99	11A806	82300	'472						
608,08	6,99	11A807	82400	'473						
633,48	6,99	11A808	82500	'474						
658,88	6,99	11A809	82600	'475						
206,00	7,00	11B47L						G	*	
212,00	7,00	11B50L						G	*	
218,00	7,00	11B54L						G	*	
224,00	7,00	11B57L						G	*	
230,00	7,00	11B60L						G	*	
236,00	7,00	11B65L						G	*	
243,00	7,00	11B66L						G	*	
250,00	7,00	11B71L						G	*	
258,00	7,00	11B75L						G	*	
265,00	7,00	11B78L						G	*	
272,00	7,00	11B79L						G	*	
280,00	7,00	11B81L						G	*	
290,00	7,00	11B83L						G	*	
300,00	7,00	11B92L						G	*	
307,00	7,00	11B96L						G	*	
315,00	7,00	11B97L						G	*	
325,00	7,00	11B99L						G	*	
335,00	7,00	11B01M						G	*	
345,00	7,00	11B08M						G	*	
355,00	7,00	11B11M						G	*	
365,00	7,00	11B13M						G	*	
375,00	7,00	11B12M						G	*	
387,00	7,00	11B14M						G	*	
400,00	7,00	11B15M						G	*	
412,00	7,00	11B17M						G	*	
425,00	7,00	11B18M						G	*	
437,00	7,00	11B23M						G	*	
450,00	7,00	11B24M						G	*	
457,20	7,00	11A810							*	
462,00	7,00	11B26M						G	*	
475,00	7,00	11B29M						G	*	
487,00	7,00	11B30M						G	*	

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494,67	7,00	11A811								
500,00	7,00	11B32M						G	*	
515,00	7,00	11B33M						G	*	
530,00	7,00	11B35M						G	*	
545,00	7,00	11B36M						G	*	
545,47	7,00	11A812							*	
560,00	7,00	11B38M						G	*	
580,00	7,00	11B39M						G	*	
596,27	7,00	11A813							*	
600,00	7,00	11B41M						G	*	
615,00	7,00	11B42M						G	*	
630,00	7,00	11B47M						G	*	
647,07	7,00	11A814							*	
650,00	7,00	11B48M						G	*	
670,00	7,00	11B50M						G	*	
144,10	8,40	11A815						*	*	
149,10	8,40	11A816						*	*	
149,50	8,40	11B73N						*	*	
154,10	8,40	11A817						*	*	P150A
154,50	8,40	11B11Q						*	*	P155
159,10	8,40	11A818						*	*	
159,50	8,40	11B74N						*	*	P160
164,10	8,40	11A819						*	*	
164,50	8,40	11B76N						*	*	P165
169,10	8,40	11A820						*	*	
169,50	8,40	11B79N						*	*	P170
174,10	8,40	11A821						*	*	
174,50	8,40	11B80N						*	*	P175
179,10	8,40	11A822						*	*	
179,50	8,40	11B54P						*	*	P180
184,10	8,40	11A823						*	*	
184,50	8,40	11B82N						*	*	P185
189,10	8,40	11A824						*	*	
189,50	8,40	11B83N						*	*	P190
194,10	8,40	11A825						*	*	
194,50	8,40	11B85N						*	*	P195
199,10	8,40	11A826						*	*	
199,50	8,40	11B86N						*	*	P200
204,10	8,40	11A827						*	*	
204,50	8,40	11B88N						*	*	P205
208,50	8,40	11B89N						*	*	P209
209,10	8,40	11A828						*	*	
209,50	8,40	11B91N						*	*	P210
214,50	8,40	11B52P						*	*	P215
219,10	8,40	11A829						*	*	



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219,50	8,40	11B55P							P220	
224,50	8,40	11B95N							P225	
229,10	8,40	11A830				•	•			
229,50	8,40	11B97N							P230	
234,10	8,40	11A831				•				
234,50	8,40	11B00P							P235	
239,10	8,40	11A832				•	•			
239,50	8,40	11B01P							P240	
244,50	8,40	11B03P							P245	
249,10	8,40	11A833				•	•			
249,50	8,40	11B04P							P250	
254,50	8,40	11B06P							P255	
259,50	8,40	11B09P							P260	
264,50	8,40	11B10P							P265	
269,50	8,40	11B12P							P270	
274,50	8,40	11B13P							P275	
279,50	8,40	11B16P							P280	
284,50	8,40	11B57P							P285	
289,50	8,40	11B60P							P290	
294,50	8,40	11B61P							P295	
299,50	8,40	11B63P							P300	
314,50	8,40	11B64P							P315	
319,50	8,40	11B66P							P320	
334,50	8,40	11B67P							P335	
339,50	8,40	11B69P							P340	
354,50	8,40	11B70P							P355	
359,50	8,40	11B72P							P360	
374,50	8,40	11B73P							P375	
384,50	8,40	11B75P							P385	
399,50	8,40	11B76P							P400	

# Programma di produzione

## Product programme

### O-Rings

- O-Rings - dimensioni, norme: AS 568, BS1806, BS4518, ISO3601/01, DIN3771, SMS 1588, NFT 47-501, JIS 2401, oltre 3500 dimensioni standard  
Materiali: nitrile, fluoroelastomero, silicone, etilene propilene, HNBR, cloroprene, PTFE, speciali
- Anelli antiestrusione - profili: interi, tagliati e a doppia spirale - norme: AMS 27595 e AMS 28774 - materiali: PTFE vergine e caricati
- Corde estruse nei materiali nitrile, fluoroelastomero, etilene propilene, silicone, speciali.

### Guarnizioni per movimenti alternativi

#### Elementi di tenuta

- guarnizioni a labbri simmetrici e non in gomma nitrilica poliuretano e fluoroelastomero
- guarnizioni piene in poliuretano
- guarnizioni rinforzate in gommata
- guarnizioni a pacco in gommata poliuretano e PTFE
- guarnizioni a doppio effetto
- guarnizioni composite.

#### Elementi raschiapolvere

- anelli raschiapolvere a singolo labbro nei materiali nitrile, poliuretano e fluoroelastomero
- anelli raschiapolvere a singolo labbro con inserto metallico nei materiali nitrile, poliuretano e fluoroelastomero
- anelli raschiapolvere a doppio labbro nei materiali nitrile, poliuretano e fluoroelastomero.

#### Elementi di guida

- elementi di guida ottenuti da nastro tagliato in PTFE vergine e caricato
- elementi di guida stampati in resina acetilica

### Tenute per alberi rotanti

- Guarnizioni paraolio: profili: A (singolo labbro con metallo interno), AS (tipo A con labbro parapolvere), B (singolo labbro con metallo esterno), BS (tipo B con labbro parapolvere), C (scatolato). Nei materiali: nitrile, fluoroelastomero, silicone e speciali
- Guarnizioni di tenuta frontale (V-rings): nei profili: A (per Ø da 3 " 2000 mm), S (per Ø da 5 " 199 mm), L (per Ø da 140 " 450 mm), E (per Ø da 450 " 2000 mm). Nei materiali: nitrile, fluoroelastomero

### Bonded seals

#### Particolari in gomma

- tubi, rondelle, membrane, soffietti, valvole, passacavi, pezzi gomma-metallo, sagome speciali, etc. - materiali: Gomma naturale, nitrile, fluoroelastomero, gomma alimentare, silicone, etilene propilene, cloroprene, fluorosilicone, poliuretano, stirene butadiene, poliaccrilica e materiali speciali

### PTFE

#### Semilavorati in PTFE

#### Prodotti finiti in PTFE

#### Tubi flessibili in PTFE

### Rivestimenti anticorrosione con materiali

#### PTFE e tecnopolimeri fluorurati

### Baderne

- materiali: fibre vegetali (cotone, juta, lino, ramiè, canapa), fibre minerali (grafite, ceramica), fibre sintetiche (PTFE, aramidica, vetro) e varie combinazioni.

### Guarnizioni metalliche

- Ring joints - nei materiali: soft iron, acciaio al carbonio, acciaio inox e acciai speciali - tipi: ovale, ottagonale, RX e BX - norme: API std 6a, ANSI B16.20
- Guarnizioni lenticolari - nei materiali: soft iron, acciaio al carbonio, acciaio inox e acciai speciali - norme: DIN 31271 e DIN 2696
- Guarnizioni a spirale - lamierini e anelli di centraggio: acciaio al carbonio, acciaio inox e acciai speciali, inserti: amianto, non amianto, PTFE, grafite e materiali speciali - nei tipi: solo spirale e con anelli di centraggio - norme: BS 3381, API 601 e DIN 2632/2638
- Guarnizioni metalloplastiche: copertura metallica: acciaio al carbonio, acciaio inox e acciai speciali - inserto: amianto, non amianto, PTFE, grafite e materiali speciali - tipi: ad anello semplice e con traversini di diverse forme
- Guarnizioni piane: nei materiali: acciaio al carbonio, acciaio inox e acciai speciali anche con rivestimenti in amianto, non amianto, PTFE e grafite - tipi: a superficie piana, rigata, ondulata e sagomata - norme: DIN 2690, DIN 2691, DIN 2692 e BS 3293

### O-Rings

- O-Rings - sizes and specifications: AS 568, BS1806, BS4518, ISO3601/01, DIN3771, SMS1588, NFT 47-501, JIS 2401 over 3500 standard sizes  
Materials: nitrile, fluoroelastomer, silicone, ethylene propylene, HNBR, chloroprene, PTFE, special
- Antiextrusion rings (Back up) - profiles: solid, single cut, spiral - specifications: AMS 27595 and AMS 28774 - materials: virgin and filled PTFE
- Cords - materials: nitrile, fluoroelastomer, silicone, ethylene, propylene, special.

### Seals for reciprocating movement

#### Sealing systems

- symmetrical and non-symmetrical lip seals in nitrile, fluoroelastomer and polyurethane
- polyurethane solid block seals, fabric reinforced seals
- double effects piston seals
- fabric reinforced, polyurethane and PTFE V-packings, slipper seals: filled PTFE energized by a rubber o-ring.

#### Wiper rings

- single lip wipers in nitrile, fluoroelastomer and polyurethane
- single lip wipers with a metal insert in nitrile, fluoroelastomer and polyurethane
- double lips wipers in nitrile, fluoroelastomer and polyurethane

#### Wear rings

- virgin and filled PTFE wear rings cut from skived tape
- moulded wear rings in thermoplastic resins

### Rotary shaft seals

#### Oil seals

- sizes: over 1000 standard sizes - profiles: A (single lip with the metal insert inside), AS (same as profile A with double lips), B (single lip with the metal insert on outside), BS (same as profile B with double lips), C (single lip and metal case)

#### V-rings

- sizes: shaft diameter from 3"2000 mm - profiles: A (from diam. 3 "2000 mm), S (from 5 "199 mm), L (from 140 " 450 mm), E (from 450 " 2000 mm) - materials: nitrile and fluoroelastomer

### Bonded seals

#### Rubber moulded parts

- hoses, washers, diaphragms, bellows, valves, chockes, rubber-metal bonded parts, custom shapes, etc. - materials: Natural rubber, nitrile, fluoroelastomer, FDA rubber, silicone, ethylene propylene, chloroprene, fluorosilicone, polyurethane, styrene butadiene, polyacrilic and custom engineered compounds

### PTFE

#### Semifinished products

#### PTFE Finished products

#### Flexible PTFE hoses

### Anticorrosion lining with PTFE and technofluorinated polymers

### Packings

- materials: natural cellulosic fibers (cotton, jute, flax, ramie, hemp), mineral fibers (graphite, ceramics) and synthetic fibers (PTFE, aramid, glass)
- special combinations available

### Metal seals

- Ring joints - materials: soft iron, carbon steel, stainless steel and special steels - types: oval, octagonal, RX and BX - specifications: API st 6a, ANSI B16.20
- Lens gaskets - materials: soft iron, carbon steel, stainless steel and special steels - specifications: DIN 31271 and DIN 2696
- Spiral wound gaskets - metallic shapes and rings: carbon steel, stainless steel and special steels - inserts: asbestos, non asbestos materials, PTFE, graphite and special materials - types: spiral and spiral with centering rings - specifications: BS 3381, API 601 e DIN 2632/2638
- Metal jacketed seals - metallic covering: carbon steel, stainless steel and special steels - insert: asbestos, non asbestos materials, PTFE, graphite and special materials - types: ring and ring with ribs of different shapes

#### Flat seals

- materials: carbon steel, stainless steel, special steels also with asbestos, non asbestos materials, PTFE and graphite covering
- types: flat section, grooved face, corrugated and shaped
- specifications: DIN 2690, DIN 2691, DIN 2692 e BS 3293