

Gamma Prodotti *Product Range*

FRIDLE
GROUP
SEALING EXPERTS



SEALING SYSTEMS



FLUID CONNECTORS



HYDRAULIC COMPONENTS

Fridle Group

Oltre a vantare una gamma prodotti di migliaia di referenze ed uno stock di magazzino di milioni di pezzi, Fridle Group è la scelta migliore anche per i servizi offerti agli oltre 2.500 clienti in tutto il mondo.

Lo staff Fridle Group si occupa di fornire quotidianamente alla clientela supporto tecnico e commerciale, consulenza specializzata e servizi logistici avanzati, punti di forza dell'azienda.

Fridle Group, in addition to a product range of thousands of references and a stock of millions of pieces, represents the best choice also for the services provided to the over 2,500 active customers worldwide.

Fridle Group staff, on a daily basis, provides its customers with technical and commercial support, specialized consultancy and advanced logistic services, strengths of the company.

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Disponibilità di materiale
in tempo reale
Real-time material availability



Etichette con QR code
e logo del cliente
*Customized labels
with QR code and logo*



Supporto tecnico pre
e post vendita
*Pre-sale and after-sales
technical support*



Produzione di guarnizioni
su misura
*Production of custom
made gaskets*



Trasmissione degli ordini online
Online orders submission



Assemblaggio e collaudo
di tubi e raccordi
*Assembling and testing
of pipes and fittings*



Possibilità di attivare magazzini
integrati presso i clienti
*Possibility to activate integrated
stocks at customer's premises*





























Eventi formativi
Training events



TIPO TYPE	Codice Code	Impiego Use	MATERIALI MATERIALS													CONDIZIONI DI ESERCIZIO OPERATING CONDITIONS		
			PUR	Gomma tela Reinforced rubber	NBR	FKM	EPDM	SIL	FFKM	Capsula FEP FEP encapsulated	PTFE	PTFE caricato Compounded PTFE	Rinforzo metallico Metal reinforcement	Metallo e gomma Metal and rubber	MCF	Temperatura Temperature (°C)	Pressione Pressure (bar)	Velocità Speed (m/s)
	O-ring	010 014 011 015 012 015K 013 016														-200 +314	-	-
	PTFE O-ring	009														-200 +260	-	-
	X-ring	017	 													-60 +200	-	-
	Tenuta per flangia Sealing washer	017DP														-30 +80	800	-
	K-ring	017K														-30 +200	-	-
	Anello antiestrusione PTFE PTFE backup ring	021BR														-200 +200	-	-
	Anello antiestrusione PTFE PTFE backup ring	021BRS														-200 +200	-	-
	Anello antiestrusione PUR PUR backup ring	121GKS														-60 +80	-	-
	Anello antiestrusione Backup ring	021NBK														-60 +110	-	-
	Tenuta doppio effetto compatta Double effect compact seal	021DU														-30 +100	400	-
	Rondella a tenuta Sealing washer	020BS														-30 +200	1000	-
	Tenuta energizzata PTFE con molla Spring-energized PTFE seal	063														-200 +260	800	-

PUR Poliuretano Polyurethane	Gomma tela Cotton fabric reinforced rubber	NBR Gomma nitrilica Nitrile rubber	FKM Fluoroelastomero Fluoroelastomer	EPDM Etilene-propilene Ethylene-propylene
SIL Silicone Silicone	FEP Fluoropolimero Fluoropolymer	PTFE Politetrafluoroetilene Polytetrafluoroethylene	MCF Materiale composito Composite material	FFKM Perfluoroelastomero Perfluoroelastomer

Static	Alternativo Alternative	Elicoidale Helical	Oscillante Swinging	Rotatorio Rotary	S Semplice effetto Single effect	D Doppio effetto Dual effect
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TIPO TYPE		Codice Code	Impiego Use	MATERIALI MATERIALS												CONDIZIONI DI ESERCIZIO OPERATING CONDITIONS				
				PUR	Gomma tela Reinforced rubber	NBR	FKM	EPDM	SIL	FFKM	Capsula FEP FEP encapsulated	PTFE	PTFE caricato Compounded PTFE	Rinforzo metallico Metal reinforcement	Metallo e gomma Metal and rubber	MCF	Temperatura Temperature (°C)	Pressione Pressure (bar)	Velocità Speed (m/s)	
	Tenuta energizzata PTFE con molla <i>Spring-energized PTFE seal</i>	065													◆			-200 +260	800	-
	Tenuta pistone doppio effetto compatta <i>Dual effect compact piston seal</i>	120GDP	  D	◆														-30 +100	400	-
	Tenuta doppio effetto stelo compatta <i>Dual effect compact rod seal</i>	120GDR	  D	◆														-30 +100	400	-
	Tenuta tipo DI <i>DI type seal</i>	030DI 090E5 090C1	 S			◆	◆	◆	◆									-30 +200	100	0.25
	Tenuta tipo DI PUR <i>DI type PUR seal</i>	046	 S	◆														-30 +100	20	1
	Tenuta stelo e pistone gomma tela <i>Cotton reinforced rubber piston and rod seal</i>	020B	 S		◆		◆											-30 +200	250	0.5
	Tenuta pistone gomma tela+Al <i>Cotton fabric reinforced rubber rod seal+BR</i>	020BNEI	 S		◆		◆											-30 +200	400	0.5
	Tenuta stelo gomma tela <i>Cotton fabric reinforced rubber rod seal</i>	020SM	 S		◆		◆											-30 +200	700	0.5
	Tenuta a pacco gomma tela <i>Cotton reinforced rubber packing seal</i>	020CH	 S		◆		◆											-30 +200	400	0.5
	Tenuta a pacco gomma tela <i>Cotton reinforced rubber packing seal</i>	020CHG5	 S		◆		◆											-30 +200	400	0.5
	Tenuta stelo simmetrica PUR <i>PUR symmetric rod seal</i>	041	 S	◆														-40 +100	400	0.5
	Tenuta stelo asimmetrica PUR <i>PUR asymmetric rod seal</i>	040L 040LX 040LI	 S	◆														-40 +100	400	0.5

PUR Poliuretano
Polyurethane

Gomma tela
Cotton fabric reinforced rubber

NBR Gomma nitrilica
Nitrile rubber

FKM Fluoroelastomero
Fluoroelastomer

EPDM Etilene-propilene
Ethylene-propylene

SIL Silicone
Silicone

FEP Fluoropolimero
Fluoropolymer

PTFE Politetrafluoroetilene
Polytetrafluoroethylene

MCF Materiale composito
Composite material

FFKM Perfluoroelastomero
Perfluoroelastomer

 Statico
Static

 Alternativo
Alternative

 Elicoidale
Helical

























 Oscillante
Swinging

 Rotatorio
Rotary

S Semplice effetto
Single effect

























D Doppio effetto
Dual effect



TIPO TYPE	Codice Code	Impiego Use	MATERIALI MATERIALS													CONDIZIONI DI ESERCIZIO OPERATING CONDITIONS		
			PUR	Gomma tela Reinforced rubber	NBR	FKM	EPDM	SIL	FFKM	Capsula FEP FEP encapsulated	PTFE	PTFE caricato Compound PTFE	Rinforzo metallico Metal reinforcement	Metallo e gomma Metal and rubber	MCF	Temperatura Temperature (°C)	Pressione Pressure (bar)	Velocità Speed (m/s)
 Tenuta pistone asimmetrica PUR <i>PUR asymmetric rod seal</i>	040	 S	◆													-40 +100	400	0.5
 Tenuta stelo PUR <i>PUR rod seal</i>	120TTH	 S	◆													-40 +100	400	0.5
 Tenuta stelo e pistone PUR <i>PUR Piston and rod seal</i>	042	 S	◆													-40 +100	400	0.5
 Tenuta tipo LRC <i>LRC type seal</i>	030LRC	 D										◆				-45 +200	250	4
 Tenuta tipo RC <i>RC type seal</i>	030RC	 D									◆					-45 +200	120	4
 Tenuta PTFE stelo doppio effetto <i>Dual effect PTFE rod seal</i>	070NCS	 D										◆				-45 +200	800	15
 Tenuta PTFE stelo doppio effetto con X-ring <i>Dual effect PTFE rod seal with X-ring</i>	070NCSQ	 D										◆				-45 +110	400	2
 Tenuta PTFE stelo semplice effetto <i>Single effect PTFE rod seal</i>	070NCR	 S										◆				-45 +200	800	15
 Tenuta PTFE stelo semplice effetto con valvola <i>Single effect PTFE rod seal with valve</i>	070NCRV	 S										◆				-45 +200	500	15
 Tenuta PTFE stelo semplice effetto <i>Single effect PTFE rod seal</i>	070NCRVL	 S										◆				-45 +200 -45 +110	500 250	15 2
 Tenuta tipo ribassato+O-ring <i>Low type seal+O-ring</i>	040	 S	◆													-35 +110	250	0.5
 Tenuta stelo semplice effetto con buffer <i>Single effect rod seal with buffer</i>	040	 S	◆													-35 +100	400	1

PUR Poliuretano <i>Polyurethane</i>	Gomma tela <i>Cotton fabric reinforced rubber</i>	NBR Gomma nitrilica <i>Nitrile rubber</i>	FKM Fluoroelastomero <i>Fluoroelastomer</i>	EPDM Etilene-propilene <i>Ethylene-propylene</i>
SIL Silicone <i>Silicone</i>	FEP Fluoropolimero <i>Fluoropolymer</i>	PTFE Politetrafluoroetilene <i>Polytetrafluoroethylene</i>	MCF Materiale composito <i>Composite material</i>	FFKM Perfluoroelastomero <i>Perfluoroelastomer</i>

 Statico <i>Static</i>	 Alternativo <i>Alternative</i>	 Elicoidale <i>Helical</i>	 Oscillante <i>Swinging</i>	 Rotatorio <i>Rotary</i>	 Semplice effetto <i>Single effect</i>	 Doppio effetto <i>Dual effect</i>
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TIPO TYPE		Codice Code	Impiego Use	MATERIALI MATERIALS												CONDIZIONI DI ESERCIZIO OPERATING CONDITIONS			
				PUR	Gomma tela Reinforced rubber	NBR	FKM	EPDM	SIL	FFKM	Capsula FEP FEP encapsulated	PTFE	PTFE caricato Compounded PTFE	Rinforzo metallico Metal reinforcement	Metallo e gomma Metal and rubber	MCF	Temperatura Temperature (°C)	Pressione Pressure (bar)	Velocità Speed (m/s)
	Tenuta PTFE semplice effetto <i>Single effect PTFE seal</i>	070NCKS															-30 +130	600	5
			S									◆							
	Tenuta energizzata PTFE+molla <i>Spring-energized PTFE seal</i>	061E															-200 +260	450	15
			S									◆							
	Tenuta energizzata PTFE+molla <i>Spring-energized PTFE seal</i>	061															-200 +260	450	15
			S									◆							
	Tenuta stelo pneumatica doppio effetto <i>Dual effect pneumatic rod seal</i>	052PR				◆											-20 +200	12	1
			D																
	Tenuta tipo H <i>H type seal</i>	030H				◆											-30 +80	-	0.5
			S																
	Tenuta doppio effetto <i>Dual effect seal</i>	080TDUOP					◆										-30 +100	12	1
			D																
	Tenuta doppio effetto magnetico <i>Magnetic dual effect seal</i>	080TD/M					◆										-30 +100	12	1
			D																
	Tenuta doppio effetto <i>Dual effect seal</i>	080NADUOP					◆										-30 +100	12	1
			D																
	Tenuta tipo DE <i>DE type seal</i>	030DE				◆	◆	◆	◆								-30 +200	120	0,5
		090E4																	
		090C2	S																
	Tenuta tipo DE PUR <i>DE type PUR seal</i>	047		◆													-30 +100	20	1
		047N	S			◆	◆										-30 +200	16	
	Tenuta pistone pneumatica doppio effetto <i>Dual effect pneumatic piston seal</i>	052PK				◆	◆										-20 +200	12	1
			D																
	Tenuta doppio effetto <i>Dual effect seal</i>	090Z5				◆											-30 +80	16	1
			D																

PUR Poliuretano <i>Polyurethane</i>	Gomma tela <i>Cotton fabric reinforced rubber</i>	NBR Gomma nitrilica <i>Nitrile rubber</i>	FKM Fluoroelastomero <i>Fluoroelastomer</i>	EPDM Etilene-propilene <i>Ethylene-propylene</i>
SIL Silicone <i>Silicone</i>	FEP Fluoropolimero <i>Fluoropolymer</i>	PTFE Politetrafluoroetilene <i>Polytetrafluoroethylene</i>	MCF Materiale composito <i>Composite material</i>	FFKM Perfluoroelastomero <i>Perfluoroelastomer</i>

























 Statico <i>Static</i>	 Alternativo <i>Alternative</i>	 Elicoidale <i>Helical</i>	 Oscillante <i>Swinging</i>	 Rotatorio <i>Rotary</i>	S Semplice effetto <i>Single effect</i>	D Doppio effetto <i>Dual effect</i>
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TIPO TYPE	Codice Code	Impiego Use	MATERIALI MATERIALS													CONDIZIONI DI ESERCIZIO OPERATING CONDITIONS		
			PUR	Gomma tela Reinforced rubber	NBR	FKM	EPDM	SIL	FFKM	Capsula FEP FEP encapsulated	PTFE	PTFE caricato Compounded PTFE	Rinforzo metallico Metal reinforcement	Metallo e gomma Metal and rubber	MCF	Temperatura Temperature (°C)	Pressione Pressure (bar)	Velocità Speed (m/s)
Tenuta tipo U-UM <i>U-UM type seal</i>	030U 030UM	S			♦	♦	♦	♦								-30 +200	120	0.25
Tenuta pistone tipo C <i>C type piston seal</i>	030C	S			♦	♦	♦	♦								-30 +200	120	0.25
Tenuta pistone doppio effetto compatta <i>Dual effect compact piston seal</i>	020DBM	D			♦	♦										-35 +200	350	0.5
Tenuta pistone doppio effetto compatta <i>Dual effect compact piston seal</i>	020DPS 020DW 020DPC	D		♦		♦										-35 +200	700	0.5
Tenuta pistone doppio effetto <i>Dual effect piston seal</i>	020DSM	D		♦		♦										-35 +200	700	0.5
Tenuta a pacco gomma tela <i>Cotton fabric reinforced rubber packing seal</i>	020CHG1	S		♦		♦										-35 +200	400	0.5
Tenuta pistone gomma tela+AE <i>Cotton fabric reinforced rubber piston seal+AE</i>	020DS	S		♦		♦										-35 +200	500	0.5
Tenuta gomma tela+esp <i>Cotton fabric reinforced piston and rod seal</i>	050G10	S		♦		♦										-35 +200	400	0.5
Tenuta pistone asimmetrica PUR <i>PUR asymmetric piston seal</i>	043 043W	S	♦													-30 +100	400	0.5
Tenuta PUR doppio effetto <i>Dual effect PUR seal</i>	070NPUK	D	♦													-30 +100	400	5
Tenuta PUR doppio effetto <i>Dual effect PUR seal</i>	070NPU	D	♦													-30 +100	400	0.8
Tenuta tipo LRP <i>LRP type seal</i>	030LRP	D										♦				-30 +200	250	4

PUR Poliuretano <i>Polyurethane</i>	Gomma tela <i>Cotton fabric reinforced rubber</i>	NBR Gomma nitrilica <i>Nitrile rubber</i>	FKM Fluoroelastomero <i>Fluoroelastomer</i>	EPDM Etilene-propilene <i>Ethylene-propylene</i>
SIL Silicone <i>Silicone</i>	FEP Fluoropolimero <i>Fluoropolymer</i>	PTFE Politetrafluoroetilene <i>Polytetrafluoroethylene</i>	MCF Materiale composito <i>Composite material</i>	FFKM Perfluoroelastomero <i>Perfluoroelastomer</i>

Statico <i>Static</i>	Alternativo <i>Alternative</i>	Elicoidale <i>Helical</i>	Oscillante <i>Swinging</i>	Rotatorio <i>Rotary</i>	S Semplice effetto <i>Single effect</i>	D Doppio effetto <i>Dual effect</i>
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TIPO TYPE		Codice Code	Impiego Use	MATERIALI MATERIALS													CONDIZIONI DI ESERCIZIO OPERATING CONDITIONS			
				PUR	Gomma tela Reinforced rubber	NBR	FKM	EPDM	SIL	FFKM	Capsula FEP FEP encapsulated	PTFE	PTFE caricato Compounded PTFE	Rinforzo metallico Metal reinforcement	Metallo e gomma Metal and rubber	MCF	Temperatura Temperature (°C)	Pressione Pressure (bar)	Velocità Speed (m/s)	
	Tenuta tipo RP RP type seal	030RP											◆					-30 +200	120	4
			D																	
	Tenuta pistone semplice effetto PTFE Single effect PTFE piston seal	070NPR												◆				-30 +200	800	15
			S																	
	Tenuta pistone doppio effetto PTFE Dual effect PTFE piston seal	070NPS												◆				-30 +200	800	15
			D																	
	Tenuta pistone doppio effetto PTFE con X-ring Dual effect PTFE piston seal with X-ring	070NPQ												◆				-30 +200	400	2
			D																	
	Tenuta pistone doppio effetto PTFE con X-ring Dual effect PTFE piston seal with X-ring	070NPQ5												◆				-30 +200	600	3
			D																	
	Tenuta pistone semplice effetto con scarico Single effect piston seal with relief channel	070NPSV												◆				-30 +200	600	15
			S																	
	Tenuta pistone semplice effetto PTFE Single effect PTFE piston seal	070NPRVL												◆				-30 +200	600	15
			S															-30 +110	600	2
	Tenuta pistone doppio effetto PTFE Dual effect PTFE piston seal	120PHD												◆				-30 +135	400	1.5
			D																	
	Tenuta doppio effetto PTFE Dual effect PTFE seal	070NPKS												◆				-30 +130	600	5
			D																	
	Tenuta energizzata PTFE+molla Spring-energized PTFE seal	062												◆				-200 +260	450	15
			S																	
	Tenuta energizzata PTFE+molla Spring-energized PTFE seal	062E												◆				-200 +260	450	15
			S																	
	Raschiatore PTFE PTFE scraper	070NRC												◆				-30 +200	-	15
		070NRC5	S																	

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Polyurethane

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SIL Silicone
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MCF Materiale composito
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S Semplice effetto
Single effect



























D Doppio effetto
Dual effect



TIPO TYPE	Codice Code	Impiego Use	MATERIALI MATERIALS													CONDIZIONI DI ESERCIZIO OPERATING CONDITIONS		
			PUR	Gomma tela Reinforced rubber	NBR	FKM	EPDM	SIL	FFKM	Capsula FEP FEP encapsulated	PTFE	PTFE caricato Compounded PTFE	Rinforzo metallico Metal reinforcement	Metallo e gomma Metal and rubber	MCF	Temperatura Temperature (°C)	Pressione Pressure (bar)	Velocità Speed (m/s)
	Raschiatore PTFE PTFE scraper	070NRT01										◆				-30 +200	16	15
			S															
	Raschiatore PTFE PTFE scraper	070NRT02										◆				-30 +200	16	15
			S															
	Raschiatore PUR+tenuta PUR scraper+seal	120GHW		◆												-30 +80	16	1
		105WD22	D	◆														
	Raschiatore NBR+tenuta NBR scraper+seal	105WD17			◆	◆										-30 +110	10	1
		120GPW	D															
	Raschiatore PUR+tenuta PUR scraper+seal	105WD24		◆												-30 +80	16	1
			D															
	Raschiatore PUR PUR scraper	120GHP		◆												-30 +80	-	1
			S															
	Raschiatore NBR NBR scraper	105DP8			◆											-30 +100	-	1
			S															
	Raschiatore PUR PUR scraper	120GHK		◆												-30 +100	-	1
			S															
	Raschiatore NBR NBR scraper	105DP6			◆	◆										-30 +100	-	1
		120GHM	S															
	Raschiatore PUR per pistone PUR piston scraper	120GGW		◆												-30 +100	-	1
			S															
	Raschiatore NBR+metallo NBR scraper +metal	105DAS			◆	◆							◆			-30 +110	-	1
			S															
	Raschiatore NBR+metallo NBR scraper +metal	105DP7			◆	◆							◆			-30 +110	-	1
		105DRS	S															

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SIL Silicone Silicone	FEP Fluoropolimero Fluoropolymer	PTFE Politetrafluoroetilene Polytetrafluoroethylene	MCF Materiale composito Composite material	FFKM Perfluoroelastomero Perfluoroelastomer

Static Static	Alternativo Alternative	Elicoidale Helical	Oscillante Swinging	Rotatorio Rotary	S Semplice effetto Single effect	D Doppio effetto Dual effect
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TIPO TYPE		Codice Code	Impiego Use	MATERIALI MATERIALS												CONDIZIONI DI ESERCIZIO OPERATING CONDITIONS			
				PUR	Gomma tela Reinforced rubber	NBR	FKM	EPDM	SIL	FFKM	Capsula FEP FEP encapsulated	PTFE	PTFE caricato Compounded PTFE	Rinforzo metallico Metal reinforcement	Metallo e gomma Metal and rubber	MCF	Temperatura Temperature (°C)	Pressione Pressure (bar)	Velocità Speed (m/s)
	Raschiatore NBR+metallo <i>NBR scraper +metal</i>	102G	 S			◆	◆							◆			-30 +110	-	1
	Raschiatore PUR+metallo <i>PUR scraper +metal</i>	105DP7P	 S	◆										◆			-30 +80	-	1
	Raschiatore PUR+metallo <i>PUR scraper +metal</i>	020SWP	 S	◆										◆			-30 +80	-	1
	Raschiatore+lamina <i>Scraper+sheet</i>	060WM	 S											◆	◆		-40 +120	-	1
	Raschiatore+tenuta <i>Scraper+seal</i>	105GWH	 D	◆													-35 +100	16	1
	Smorzatore pneumatica <i>Damper</i>	080DIP	 S			◆											-30 +100	16	0.5
	Raschiatore PUR+tenuta <i>PUR scraper+seal</i>	105GWR	 D	◆													-30 +110	10	1
	Raschiatore NBR+tenuta <i>NBR scraper+seal</i>	080NIPSL	 D			◆	◆										-30 +110	16	1
	Anello guida preformato resina acetaltica <i>Preformed POM +glass guide ring</i>	120E 120I	 												◆		-40 +130	Carico N/mm² 75	1
	Anello guida da nastro PTFE+bronzo <i>Guide ring from PTFE+bronze strip</i>	078	 											◆			-60 +200	Carico N/mm² 15	15
	Anello guida fenolica preformato <i>Preformed fenolic cotton guide ring</i>	075	 												◆		-40 +120	Carico N/mm² 260	1
	Anello guida preformato materiale composito <i>Preformed polymer fabric guide ring</i>	076	 												◆		-60 +130	Carico N/mm² 300	1

PUR Poliuretano
Polyurethane

Gomma tela
Cotton fabric reinforced rubber

NBR Gomma nitrilica
Nitrile rubber

FKM Fluoroelastomero
Fluoroelastomer

EPDM Etilene-propilene
Ethylene-propylene

SIL Silicone
Silicone

FEP Fluoropolimero
Fluoropolymer

PTFE Politetrafluoroetilene
Polytetrafluoroethylene

MCF Materiale composito
Composite material

FFKM Perfluoroelastomero
Perfluoroelastomer

 Statico
Static

 Alternativo
Alternative

 Elicoidale
Helical

























 Oscillante
Swinging

 Rotatorio
Rotary

S Semplice effetto
Single effect






















D Doppio effetto
Dual effect



TIPO TYPE	Codice Code	Impiego Use	MATERIALI MATERIALS													CONDIZIONI DI ESERCIZIO OPERATING CONDITIONS		
			PUR	Gomma tela Reinforced rubber	NBR	FKM	EPDM	SIL	FFKM	Capsula FEP FEP encapsulated	PTFE	PTFE caricato Compound PTFE	Rinforzo metallico Metal reinforcement	Metallo e gomma Metal and rubber	MCF	Temperatura Temperature (°C)	Pressione Pressure (bar)	Velocità Speed (m/s)
 Anello di tenuta Radial oil seal	100A	 S			◆	◆							◆			-40 +170	0.5	12
 Anello di tenuta Radial oil seal	100AS	 S			◆	◆							◆			-40 +170	0.5	10
 Anello di tenuta Radial oil seal	100ASP	 S			◆	◆							◆			-40 +170	10	10
 Anello di tenuta Radial oil seal	100B1	 S			◆	◆							◆			-40 +170	0.5	10
 Anello di tenuta Radial oil seal	100B1SL	 S			◆	◆							◆			-40 +170	0.5	10
 Anello di tenuta Radial oil seal	100B2	 S			◆	◆							◆			-40 +170	1	8
 Anello di tenuta Radial oil seal	100B2SL	 S			◆	◆							◆			-40 +170	1	8
 Anello di tenuta Radial oil seal	097	 S		◆		◆										-40 +170	0.5	8
 Anello di tenuta labirinto Labyrinth radial oil seal	100RWDR	 S				◆							◆			-40 +170	0.5	8
 Tenuta per rotazione NBR Rotary NBR seal	050M17	 D		◆		◆										-30 +170	200	0.5
 Anello tenuta+PTFE Radial shaft seal+PTFE	094A	 S										◆	◆			-60 +200	5	40
 Anello di tenuta+PTFE Radial shaft seal+PTFE	094C	 S										◆	◆			-60 +200	20	20

PUR Poliuretano Polyurethane	Gomma tela Cotton fabric reinforced rubber	NBR Gomma nitrilica Nitrile rubber	FKM Fluoroelastomero Fluoroelastomer	EPDM Etilene-propilene Ethylene-propylene
SIL Silicone Silicone	FEP Fluoropolimero Fluoropolymer	PTFE Politetrafluoroetilene Polytetrafluoroethylene	MCF Materiale composito Composite material	FFKM Perfluoroelastomero Perfluoroelastomer

 Statico Static	 Alternativo Alternative	 Elicoidale Helical	 Oscillante Swinging	 Rotatorio Rotary	 Semplice effetto Single effect	 Doppio effetto Dual effect
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TIPO TYPE		Codice Code	Impiego Use	MATERIALI MATERIALS												CONDIZIONI DI ESERCIZIO OPERATING CONDITIONS			
				PUR	Gomma tela Reinforced rubber	NBR	FKM	EPDM	SIL	FFKM	Capsula FEP FEP encapsulated	PTFE	PTFE caricato Compounded PTFE	Rinforzo metallico Metal reinforcement	Metallo e gomma Metal and rubber	MCF	Temperatura Temperature (°C)	Pressione Pressure (bar)	Velocità Speed (m/s)
	Anello di tenuta+PTFE Radial shaft seal+PTFE	094D	 S											◆	◆		-60 +200	1	20
	Anello di tenuta+PTFE Radial shaft seal+PTFE	094B	 S											◆	◆		-60 +200	5	20
	Tenuta a labbro Lips seals	099	 S										◆	◆			-30 +200	5	25
	Tenuta per rotazione stelo PTFE PTFE rotary shaft seal	070NCSR	 D											◆			-30 +200	300	2
	Tenuta per rotazione pistone PTFE PTFE rotary piston seal	070NPSR	 D											◆			-30 +200	300	2
	Tenuta per rotazione energizzata PTFE+molla Spring energized PTFE seal	067	 S											◆			-200 +260	150	2
	V-ring	030VA 030VL 030VE 030VS	 S			◆	◆										-30 +180	-	12
	Tenuta frontale per rotazione Rotary seal	060TB				◆	◆										-30 +200	-	20
	Tappo NBR+metallo NBR+metal end cover	103AEC				◆											-30 +100	-	12
	Tools montaggio guarnizioni Seal assembling tool kit	987																-	-
	Antivibranti Antivibration system	347 348				◆									◆			-	-
	Adesivi strutturali Structural adhesive	323																-	-

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Polyurethane

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 Statico
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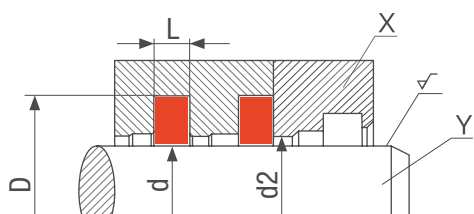
 Rotatorio
Rotary

S Semplice effetto
Single effect

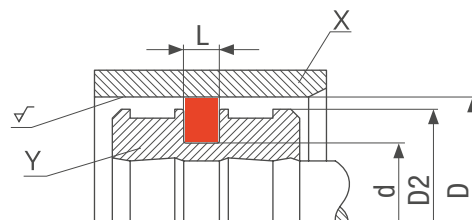
D Doppio effetto
Dual effect



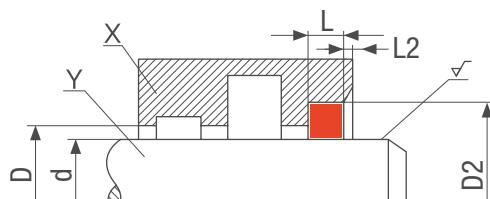
ACCOPPIAMENTI FORO/ALBERO DI USO COMUNE MOST COMMON ENGINEERING FITS	Foro base Hole basis	Albero base Shaft basis	Tipo di accoppiamento Fit type	Descrizione Description
Accoppiamento con gioco Clearance fit	H11/c11	C11/h11	Libero Loose running	Gioco elevato, indicato per applicazioni che non necessitano di tolleranze di precisione <i>Larger clearance, indicated where accuracy is not essential</i>
	H9/d9	D9/h9	Libero mobile Free running	Accoppiamento con gioco suggerito per applicazioni con variazioni di temperatura, elevate velocità di rotazione o elevati carichi <i>Fit with clearance good for large temperature variations, high running speeds or heavy journal pressures</i>
	H8/f7	F8/h7	Mobile Close running	Indicato per applicazioni con piccoli giochi a velocità di funzionamento e pressioni moderate <i>Applications with accurate locations at moderate speeds and journal pressures</i>
	H7/g6	G7/h6	Libero stretto Sliding	Giochi minimi, può essere montato facilmente e non permette il movimento ma rotazione e scorrimento. <i>Minimal clearances, it can be easily assembled and will not move but turn & slide freely</i>
	H7/h6	H7/h6	Di scorrimento Location	Gioco molto stretto ed elevata accuratezza di accoppiamento, montaggio senza pressione e permette rotazione e scorrimento con minima interferenza <i>Very close clearances for precise accuracy requirements, can be assembled without force and will turn & slide with minimal interference</i>
Accoppiamento incerto Transition fit	H7/k6	K7/h6	Incerto stretto Tight fit	Per sedi lavorate con precisione, un compromesso tra gioco ed interferenza <i>For accurate location, a compromise between clearance and interference</i>
	H7/n6	N7/h6	Incerto fisso Fixed fit	Per sedi lavorate con molta precisione dove è permessa un'interferenza maggiore <i>For more accurate location where greater interference is permissible</i>
Accoppiamento con interferenza Interference fit	H7/p6	P7/h6	Bloccato serrato Press	Applicazioni con leggera interferenza che possono essere assemblate o smontate a pressione a freddo <i>Application with light interference which can be assembled or disassembled with cold pressing</i>
	H7/s6	S7/h6	Bloccato a caldo Driving	Applicazioni con media interferenza dove è consigliato il montaggio a caldo <i>Medium interference location where assembling with hot pressing is suggested</i>
	H7/u6	U7/h6	Bloccato forzato Forced	Accoppiamento permanente ad elevata interferenza con montaggio a caldo ed alta deformazione delle parti <i>Permanent coupling with high interference, large temperature differential of parts required to assemble and high deformation</i>



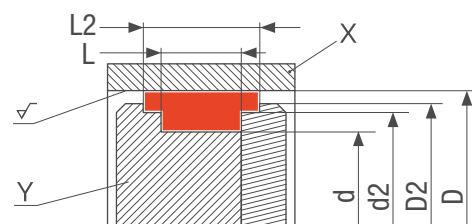
A - TENUTA STELO / A1 - TENUTA STELO CAVA APERTA
A - ROD SEAL / A1 - OPEN GROOVE ROD SEAL



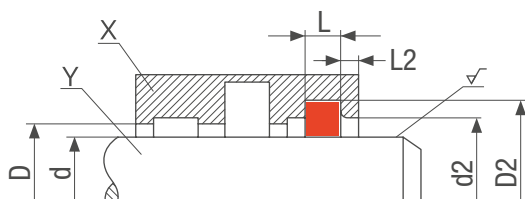
B - TENUTA PISTONE / B1 - TENUTA PISTONE CAVA APERTA
B - PISTON SEAL / B1 - OPEN GROOVE PISTON SEAL



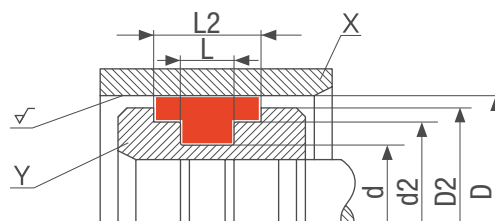
C - RASCHIATORE CAVA APERTA
C - OPEN GROOVE SCRAPER



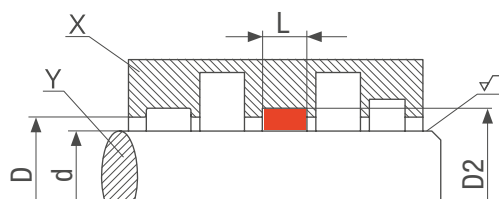
D - TENUTA PISTONE A PACCO IN CAVA APERTA
D - OPEN GROOVE COMPACT PISTON SEAL



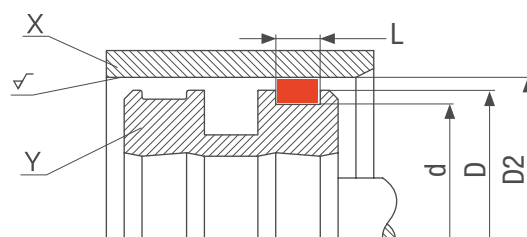
E - RASCHIATORE CAVA CHIUSA
E - CLOSED GROOVE SCRAPER



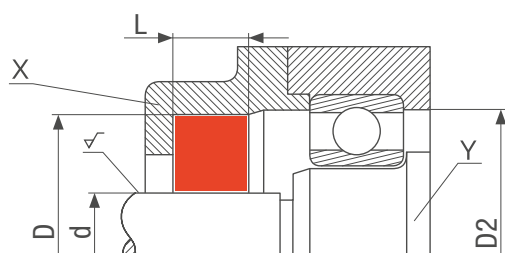
F - TENUTA PISTONE A PACCO CAVA CHIUSA
F - CLOSED GROOVE COMPACT PISTON SEAL



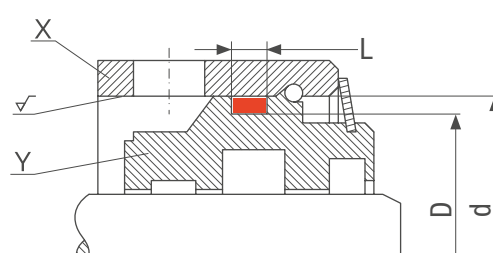
G - FASCIA GUIDA STELO
G - ROD GUIDE RING



H - FASCIA GUIDA PISTONE
H - PISTON GUIDE RING



I - TENUTA ROTANTE CAVA CHIUSA / I1 - TENUTA ROTANTE CAVA APERTA
I - CLOSED GROOVE ROTARY SEAL / I1 - OPEN GROOVE ROTARY SEAL



M - TENUTA STATICA
M - STATIC SEAL



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