



Tenute pneumatiche DEP

Pneumatic seals DEP





QUANDO
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MOVIMENTAZIONE CARICHI
MATERIAL HANDLING EQUIPMENT

SISTEMI DI TENUTA
FLUID CONNECTORS
OLEODINAMICA

SEALING SOLUTIONS
FLUID CONNECTORS
HYDRAULICS



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CONSULTANCY AND TECHNICAL ASSISTANCE



MILIONI DI PRODOTTI A MAGAZZINO
MILLIONS OF PRODUCTS IN STOCK



LOGISTICA INTEGRATA E KANBAN
INTEGRATED LOGISTICS AND KANBAN



CONTROLLO QUALITÀ IN ENTRATA E IN USCITA
INBOUND AND OUTBOUND QUALITY CONTROL



PROGETTAZIONE E PRODUZIONE A DISEGNO DI GUARNIZIONI
DESIGN AND CUSTOMIZED SEALS PRODUCTION



ETICHETTE PERSONALIZZATE E QR CODE
CUSTOMIZED LABELS AND QR CODES



ORDINI WEB
WEB ORDERS



RILEVAZIONE CAMPIONI E KIT DEL CLIENTE
ARTICLE DETECTION AND KIT ASSEMBLY

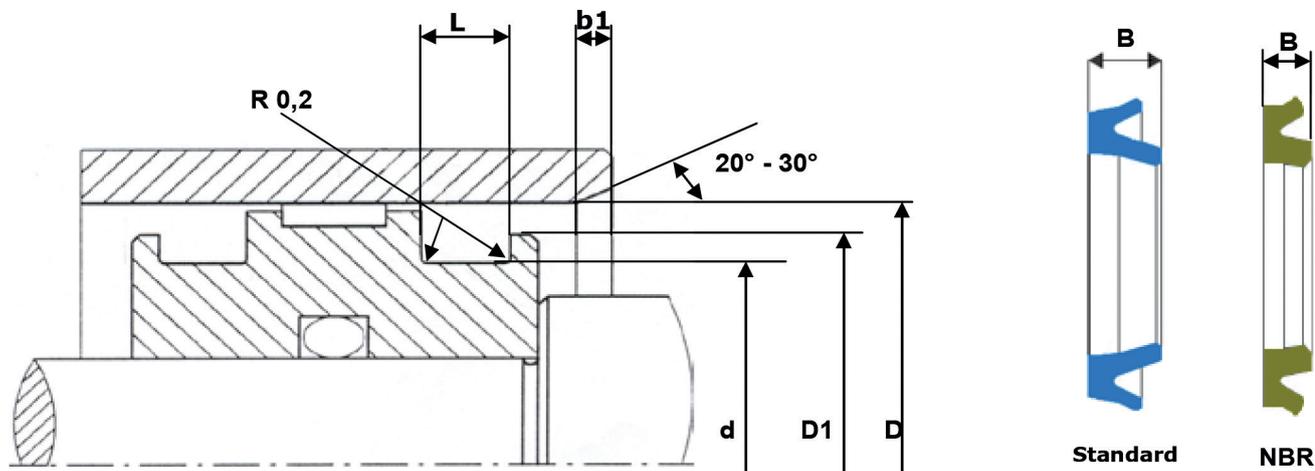


ASSEMBLAGGIO E COLLAUDO TUBI E RACCORDI
ASSEMBLY AND TESTING OF HOSES AND FITTINGS



EVENTI FORMATIVI
TRAINING EVENTS

DEP tenuta pistone semplice effetto DEP single effect piston seal



Tenuta poliuretano per pneumatica.

Polyurethane seal for pneumatic applications.

CARATTERISTICHE PRINCIPALI | MAIN FEATURES

Gli elementi di tenuta tipo DEP sono nella classica forma ad U impiegato in pneumatica per pistoni a semplice o doppio effetto, (due tenute contrapposte). Il labbro dinamico viene realizzato senza spigoli vivi per favorire la scorrevolezza. La flessibilità è molto superiore alle classiche tenute ad U per oleodinamica, diminuendo così attrito e usura del labbro di tenuta. A differenza delle tenute standard il profilo NBR presenta un profilo più compatto ed è realizzato con una mescola adittivata. Il profilo NBR ha dimensioni sede in accordo con la ISO 3320.

* Si sconsiglia il funzionamento senza guida.

DEP sealing elements have a U-shaped cross section typical of pneumatic applications in single and double effect pistons (two opposite sealing points). The special lip is designed without sharp edges to favor sliding. Much more flexible than U-shaped seals for oil-pressured hydraulics, DEP seals minimize friction and wear and tear. NBR seals are more compact than standard profiles and satisfy standard ISO 3320 for dimensions.

* It is suggested to use the seal without a guiding element.

DATI TECNICI | TECHNICAL DATA

Tipo Type	Pres max Max pres bar	Velocità max Max alternate m/sec	Durezza Hardness ° Sh A	Temperatura °C Temperature °C
PUR	< 20	< 1	90 (standard)	-30 +80
PUR	< 20	< 1	85 (richiesta)	-30 +80
NBR	< 20	< 1	78 (standard)	-30 +100
FKM	< 16	< 1	90 (richiesta)	-30 +200

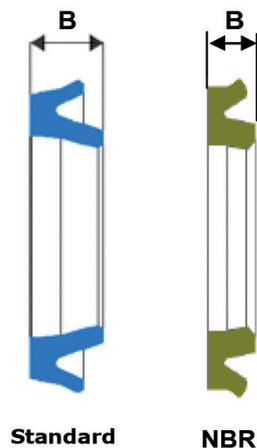
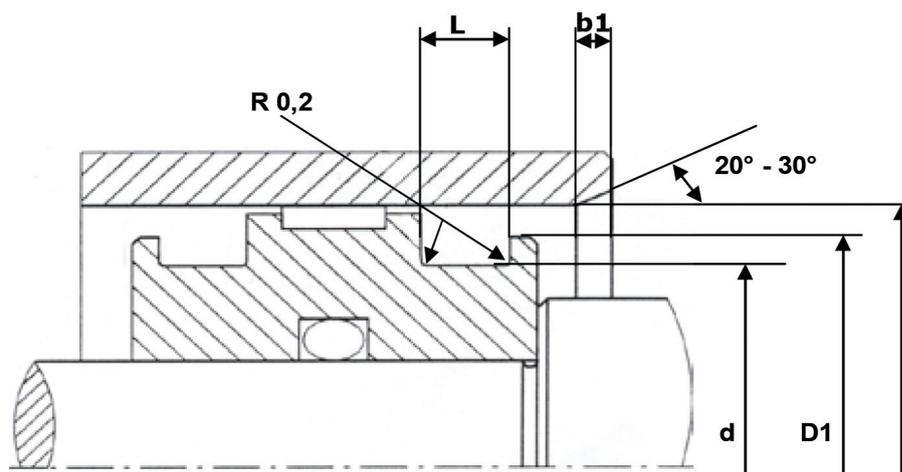
RUGOSITÀ SUPERFICIALE | SURFACE ROUGHNESS

Parametro Parameter	Superficie di scorrimento Guiding surface		Superficie della cava Groove surface
	PTFE	PE PUR NBR	
Rmax	0.63 - 2.50	1.00 - 4.00	< 10.0
Rz DIN	0.40 - 1.60	0.63 - 2.50	< 6.3
Ra	0.05 - 0.20	0.10 - 0.40	< 1.6

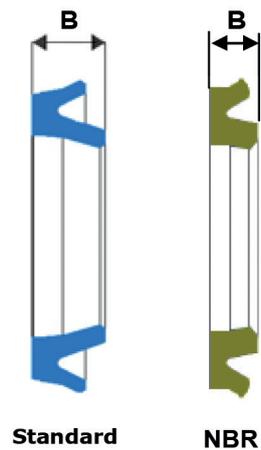
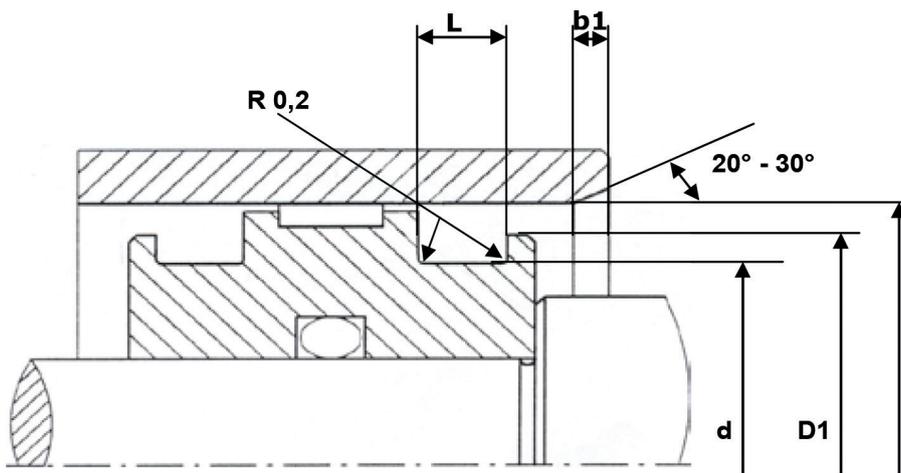
Smussi d'invito | Entry smoothings

Per favorire l'inserimento della guarnizione a labbro, non devono esserci spigoli taglienti, bave nell'entrata del cilindro in modo da non rovinare, intagliandola, la guarnizione. Per aumentare la scorrevolezza lubrificare la guarnizione.

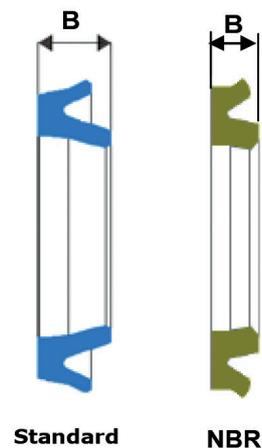
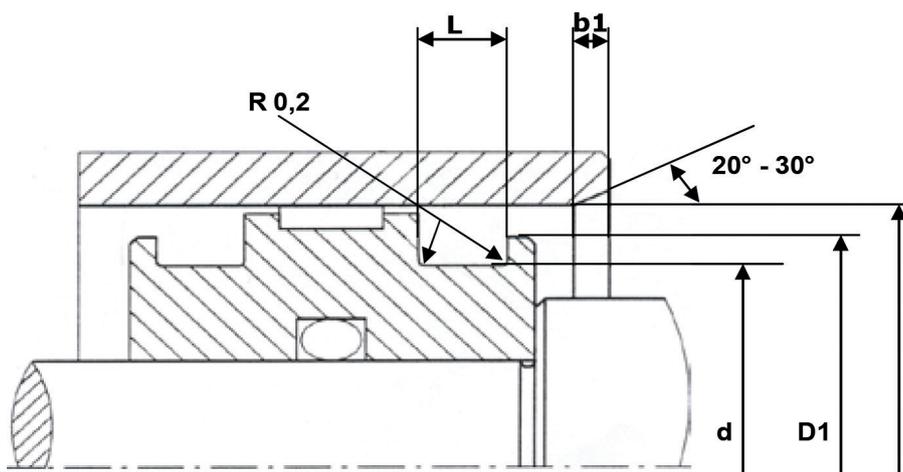
It is important to remove all sharp edges and burrs from the groove and tube before installation to avoid damaging or cutting the gasket. For better sliding, lubricate the gasket.



Codice Code	Descrizione Description	D	d	L	D1	B	b1
		H10	h10	+0.2			
047006003025	DEP 6- 3 - 2.5 PUR90	6	3.00	2.50	5.00	2.00	1.00
047008004030	DEP 8- 4 - 3 PUR90	8	4.00	3.00	7.00	2.55	1.50
0470080048027	DEP 8- 4.8 - 2.7 PUR90	8	4.80	2.70	7.00	2.30	1.50
0470080048030	DEP 8- 4.8 - 3 PUR90	8	4.80	3.00	7.00	2.55	1.50
047010006030	DEP 10- 6 - 3 PUR90	10	6.00	3.00	9.00	2.55	1.50
047012007030	DEP 12- 7 - 3 PUR90	12	7.00	3.00	11.00	2.55	1.50
047013008030	DEP 13- 8 - 3 PUR90	13	8.00	3.00	12.00	2.55	1.50
047014008030	DEP 14- 8 - 3 PUR90	14	8.00	3.00	13.00	2.55	1.50
047015009030	DEP 15- 9 - 3 PUR90	15	9.00	3.00	14.00	2.55	1.50
047016010030	DEP 16- 10 - 3 PUR90	16	10.00	3.00	15.00	2.55	2.00
047017011030	DEP 17- 11 - 3 PUR90	17	11.00	3.00	16.00	2.55	2.00
047018012030	DEP 18- 12 - 3 PUR90	18	12.00	3.00	17.00	2.55	2.00
047020014030	DEP 20- 14 - 3 PUR90	20	14.00	3.00	19.00	2.55	2.00
047020014045	DEP 20- 14 - 4.5 PUR90	20	14.00	4.50	19.00	4.00	2.00
047022016030	DEP 22- 16 - 3 PUR90	22	16.00	3.00	21.00	2.55	2.00
047024018030	DEP 24- 18 - 3 PUR90	24	18.00	3.00	23.00	2.55	2.00
047025017060	DEP 25- 17 - 6 PUR90	25	17.00	6.00	24.00	5.50	2.00
047025019035	DEP 25- 19 - 3.5 PUR90	25	19.00	3.50	24.00	3.25	2.00
047025019045	DEP 25- 19 - 4.5 PUR90	25	19.00	4.50	24.00	4.00	2.00
047028018075	DEP 28- 18 - 7.5 PUR90	28	18.00	7.50	27.00	7.00	2.00
047028022035	DEP 28- 22 - 3.5 PUR90	28	22.00	3.50	27.00	3.25	2.00
047030022035	DEP 30- 22 - 3.5 PUR90	30	22.00	3.50	29.00	3.25	2.00
047032024035	DEP 32- 24 - 3.5 PUR90	32	24.00	3.50	31.00	3.25	2.00
047032024060	DEP 32- 24 - 6 PUR90	32	24.00	6.00	31.00	5.50	2.00
047035027035	DEP 35- 27 - 3.5 PUR90	35	27.00	3.50	34.00	3.25	2.00
047036028035	DEP 36- 28 - 3.5 PUR90	36	28.00	3.50	35.00	3.25	2.00
047038030035	DEP 38- 30 - 3.5 PUR90	38	30.00	3.50	37.00	3.25	2.00
047038030060	DEP 38- 30 - 6 PUR90	38	30.00	6.00	37.00	5.50	2.00
047040030075	DEP 40- 30 - 7.5 PUR90	40	30.00	7.50	39.00	7.00	2.50
047040032035	DEP 40- 32 - 3.5 PUR90	40	32.00	3.50	39.00	3.25	2.50
047042030065	DEP 42- 30 - 6.5 PUR90	42	30.00	6.50	41.00	6.00	2.50
047042034035	DEP 42- 34 - 3.5 PUR90	42	34.00	3.50	41.00	3.25	2.50
047045037035	DEP 45- 37 - 3.5 PUR90	45	37.00	3.50	44.00	3.25	2.50
047050040075	DEP 50- 40 - 7.5 PUR90	50	40.00	7.50	49.00	7.00	2.50
047050042035	DEP 50- 42 - 3.5 PUR90	50	42.00	3.50	49.00	3.25	2.50
047052042045	DEP 52- 42 - 4.5 PUR90	52	42.00	4.50	51.00	4.25	2.50
047055045075	DEP 55- 45 - 7.5 PUR90	55	45.00	7.50	54.00	7.00	2.50
047058048045	DEP 58- 48 - 4.5 PUR90	58	48.00	4.50	57.00	4.25	2.50
047060050057	DEP 60- 50 - 5.7 PUR90	60	50.00	5.70	59.00	5.00	2.50
047060050075	DEP 60- 50 - 7.5 PUR90	60	50.00	7.50	59.00	7.00	2.50



Codice Code	Descrizione Description	D	d	L	D1	B	b1
		H10	h10	+0.2			
047063053045	DEP 63- 53 - 4.5 PUR90	63	53.00	4.50	62.00	4.25	2.50
047063053075	DEP 63- 53 - 7.5 PUR90	63	53.00	7.50	62.00	7.00	2.50
047065055075	DEP 65- 55 - 7.5 PUR90	65	55.00	7.50	64.00	7.00	2.50
047068058055	DEP 68- 58 - 5.5 PUR90	68	58.00	5.50	67.00	4.70	2.50
047070058095	DEP 70- 58 - 9.5 PUR90	70	58.00	9.50	69.00	8.50	2.50
047075063095	DEP 75- 63 - 9.5 PUR90	75	63.00	9.50	74.00	8.50	2.50
0470800673070	DEP 80- 67.3 - 7 PUR90	80	67.30	7.00	79.00	6.35	2.50
047080070045	DEP 80- 70 - 4.5 PUR90	80	70.00	4.50	79.00	4.25	2.50
047085073095	DEP 85- 73 - 9.5 PUR90	85	73.00	9.50	84.00	8.50	2.50
047090078095	DEP 90- 78 - 9.5 PUR90	90	78.00	9.50	89.00	8.50	2.50
047090080045	DEP 90- 80 - 4.5 PUR90	90	80.00	4.50	89.00	4.25	2.50
047100088095	DEP 100- 88 - 9.5 PUR90	100	88.00	9.50	99.00	8.50	2.50
047100090045	DEP 100- 90 - 4.5 PUR90	100	90.00	4.50	99.00	4.25	2.50
04711009511	DEP 110- 95 - 11 PUR90	110	95.00	11.00	109.00	10.00	3.00
04712010511	DEP 120- 105 - 11 PUR90	120	105.00	11.00	119.00	10.00	3.00
047125105085	DEP 125- 105 - 8.5 PUR90	125	105.00	8.50	124.00	8.25	3.00
04712511011	DEP 125- 110 - 11 PUR90	125	110.00	11.00	124.00	10.00	3.00
047140120085	DEP 140- 120 - 8.5 PUR90	140	120.00	8.50	139.00	8.25	3.00
047160140085	DEP 160- 140 - 8.5 PUR90	160	140.00	8.50	159.00	8.25	3.00
04716014511	DEP 160- 145 - 11 PUR90	160	145.00	11.00	159.00	10.00	3.00
04718016015	DEP 180- 160 - 15 PUR90	180	160.00	15.00	179.00	14.00	3.00
0471200180085	DEP 200- 180 - 8.5 PUR90	200	180.00	8.50	199.00	8.25	3.00
04720018015	DEP 200- 180 - 15 PUR90	200	180.00	15.00	199.00	14.00	3.00



Codice Code	Descrizione Description	D	d	L	5D1	B	b1
		H10	h10	+0.2			
047008004030N	DEP 8- 4 - 3 NBR78	8	4.00	3.00	7.00	2.55	1.50
047010006030N	DEP 10- 6 - 3 NBR78	10	6.00	3.00	9.00	2.55	1.50
047012007030N	DEP 12- 7 - 3 NBR78	12	7.00	3.00	11.00	2.55	1.50
047016010030N	DEP 16- 10 - 3 NBR78	16	10.00	3.00	15.00	2.55	2.00
047018012030N	DEP 18- 12 - 3 NBR78	18	12.00	3.00	17.00	2.55	2.00
047020014030N	DEP 20- 14 - 3 NBR78	20	14.00	3.00	19.00	2.55	2.00
047022016030N	DEP 22- 16 - 3 NBR78	22	16.00	3.00	21.00	2.55	2.00
047024018030N	DEP 24- 18 - 3 NBR78	24	18.00	3.00	23.00	2.55	2.00
047025019035N	DEP 25- 19 - 3.5 NBR78	25	19.00	3.50	24.00	3.25	2.00
047028022035N	DEP 28- 22 - 3.5 NBR78	28	22.00	3.50	27.00	3.25	2.00
047030022035N	DEP 30- 22 - 3.5 NBR78	30	22.00	3.50	29.00	3.25	2.00
047032024035N	DEP 32- 24 - 3.5 NBR78	32	24.00	3.50	31.00	3.25	2.00
047035027035N	DEP 35- 27 - 3.5 NBR78	35	27.00	3.50	34.00	3.25	2.00
047040032035N	DEP 40- 32 - 3.5 NBR78	40	32.00	3.50	39.00	3.25	2.50
047042034035N	DEP 42- 34 - 3.5 NBR78	42	34.00	3.50	41.00	3.25	2.50
047050042035N	DEP 50- 42 - 3.5 NBR78	50	42.00	3.50	49.00	3.25	2.50
047063053045N	DEP 63- 53 - 4.5 NBR78	63	53.00	4.50	62.00	4.25	2.50
047080070045N	DEP 80- 70 - 4.5 NBR78	80	70.00	4.50	79.00	4.25	2.50
047100090045N	DEP 100- 90 - 4.5 NBR78	100	90.00	4.50	99.00	4.25	2.50
047125105085N	DEP 125- 105 - 8.5 NBR78	125	105.00	8.50	124.00	8.25	3.00
047140120085N	DEP 140- 120 - 8.5 NBR78	140	120.00	8.50	139.00	8.25	3.00
047160140085N	DEP 160- 140 - 8.5 NBR78	160	140.00	8.50	159.00	8.25	3.00
047200180085N	DEP 200- 180 - 8.5 NBR78	180	180.00	8.50	199.00	8.25	3.00

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