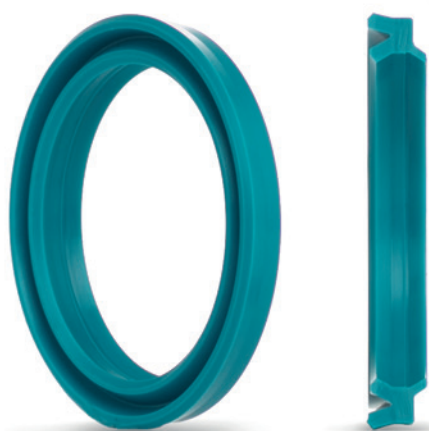


Pneumatic Wipers GWR ASR

FRIDLE
GROUP
SEALING EXPERTS



SEALING SYSTEMS

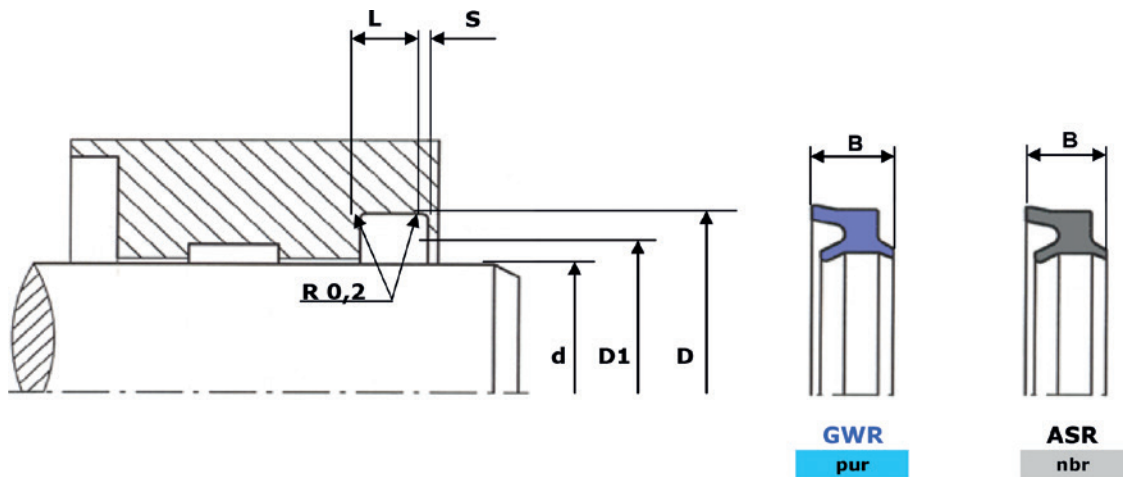


FLUID CONNECTORS



HYDRAULIC COMPONENTS

GWR ASP Raschiatore stelo bidirezionale | GWR ASP two-side wipers



Raschiatore bidirezionale per pneumatica.
Wiper for two-side rods in pneumatic applications.

CARATTERISTICHE PRINCIPALI | MAIN FEATURES

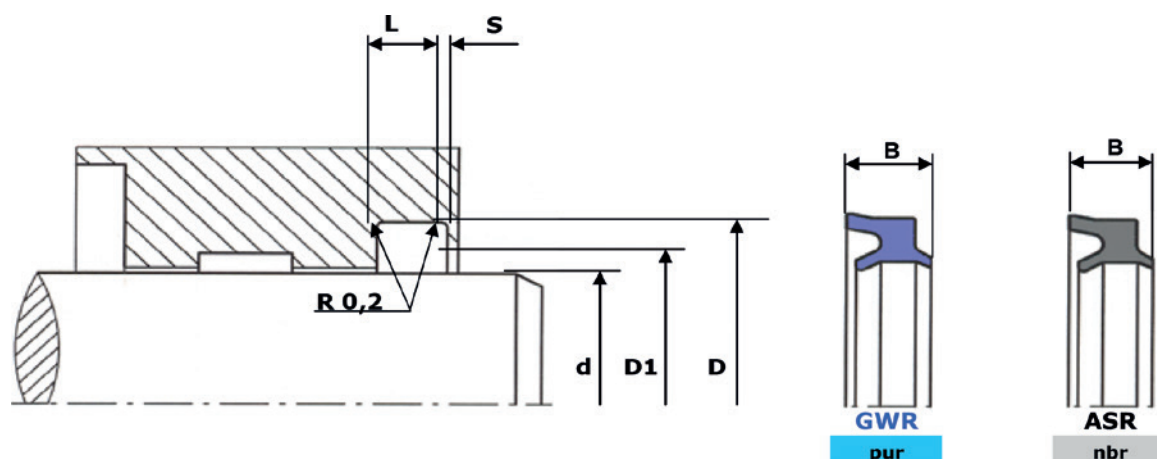
Gli elementi di tenuta tipo GWR e ASR sono ottenuti dalla combinazione di una guarnizione a labbro con un raschiatore. Tale profilo richiede perciò un'unica sede e non due separate come nella combinazione tradizionale tenuta e raschiatore. GWR è in PUR standard a 90° Sh mentre ASR è in NBR, su richiesta può essere realizzato in FPM.

GWR and ASR seals combine a lip-seal gasket with a wiper thus requiring only one groove, not two as in traditional combinations of seals and wipers.

Material: GWR comes in PUR standard 90° Sh and ASR comes in NBR, also available in FPM.

DATI TECNICI TECHNICAL DATA				
Tipo GWR ASR Type GWR ASR	Pres max Max pres bar	Alternativo max Max Alternate m/sec	Durezza Hardness °Sh A	Temperatura °C Temperature °C
PUR	< 20	< 1	90 (standard)	-30 +90
PUR	< 20	< 1	85 (richiesta)	-30 +90
NBR	< 20	< 1	80	-30 +110
FPM	< 16	< 1	75	-30 +200

RUGOSITÀ SUPERFICIALE SURFACE ROUGHNESS		
Parametro Parameter	Superficie di scorrimento Guiding surface	Superficie della sede Groove surface
Rmax	1.00 - 4.00	< 10.0
Rz DIN	0.63 - 2.50	< 6.3
Ra	0.10 - 0.40	< 1.6



Codice Code	Descrizione Description	d	D	L	D1	B	S
		f9	H10				
105GWR003	RASC. GWR 3- 8.8- 4.5/5.2 PUR	3	8.8	4.5	5.0	5.2	1.2
105GWR0041	RASC. GWR 4- 8.8- 4.5/5.2 PUR	4	8.8	4.5	6.0	5.2	1.2
105GWR004	RASC. GWR 4- 7.0- 2.7/2.8 PUR	4	7.0	2.7	5.4	2.8	1.0
105GWR0050	RASC. GWR 5- 8.0- 2.7/2.8 PUR	5	8.0	2.7	6.2	2.8	1.0
105GWR0060	RASC. GWR 6- 9.0- 2.7/2.8 PUR	6	9.0	2.7	7.2	2.8	1.0
105GWR00601	RASC. GWR 6- 10.8- 4.5/5.2 PUR	6	10.8	4.5	8.0	5.2	1.2
105GWR0080	RASC. GWR 8- 11.5- 3.0/3.2 PUR	8	11.5	3.0	9.2	3.2	1.0
105GWR00801	RASC. GWR 8- 12.8- 4.5/5.2 PUR	8	12.8	4.5	10.0	5.2	1.2
105GWR00802	RASC. GWR 8- 14.0- 4.5/5.2 PUR	8	14.0	4.5	11.0	5.2	1.2
105GWR0100	RASC. GWR 10- 14.0- 3.2/3.7 PUR	10	14.0	3.2	11.4	3.7	1.0
105GWR01001	RASC. GWR 10- 16.0- 4.0/4.6 PUR	10	16.0	4.0	12.5	4.6	1.0
105GWR01002	RASC. GWR 10- 16.8- 4.5/5.2 PUR	10	16.8	4.5	13.0	5.2	1.2
105GWR01003	RASC. GWR 10- 18.0- 5.0/6.0 PUR	10	18.0	5.0	14.0	6.0	1.6
105GWR0120	RASC. GWR 12- 16.5- 3.7/4.0 PUR	12	16.5	3.7	13.7	4.0	1.2
105GWR01201	RASC. GWR 12- 18.0- 4.0/4.8 PUR	12	18.0	4.0	14.5	4.8	1.2
105GWR01202	RASC. GWR 12- 20.0- 3.7/4.0 PUR	12	20.0	3.7	16.0	4.0	1.6
105GWR01203	RASC. GWR 12- 20.0- 5.0/6.0 PUR	12	20.0	5.0	16.0	6.0	1.6
105GWR01204	RASC. GWR 12- 20.0- 5.5/6.5 PUR	12	20.0	5.5	16.0	6.5	1.6
105GWR01205	RASC. GWR 12- 22.0- 6.0/6.5 PUR	12	22.0	6.0	16.0	6.5	1.5
105GWR01206	RASC. GWR 12- 22.0- 7.0/7.5 PUR	12	22.0	7.0	16.0	7.5	1.5
105GWR0140	RASC. GWR 14- 18.5- 3.7/4.0 PUR	14	18.5	3.7	15.7	4.0	1.2
105GWR01401	RASC. GWR 14- 20.0- 4.0/4.8 PUR	14	20.0	4.0	16.5	4.8	1.2
105GWR01402	RASC. GWR 14- 22.0- 5.0/6.0 PUR	14	22.0	5.0	18.0	6.0	1.5
105GWR01403	RASC. GWR 14- 24.0- 6.0/6.5 PUR	14	24.0	6.0	18.0	6.5	1.5
105GWR0150	RASC. GWR 15- 22.0- 4.0/5.0 PUR	15	22.0	4.0	18.0	5.0	1.5
105GWR01501	RASC. GWR 15- 25.0- 5.5/6.5 PUR	15	25.0	5.5	19.0	6.5	1.5
105GWR0160	RASC. GWR 16- 20.5- 3.7/4.0 PUR	16	20.5	3.7	17.7	4.0	1.2
105GWR01601	RASC. GWR 16- 22.0- 4.0/5.0 PUR	16	22.0	4.0	18.5	5.0	1.2
105GWR01602	RASC. GWR 16- 24.0- 5.0/6.0 PUR	16	24.0	5.0	18.5	6.0	1.5
105GWR01603	RASC. GWR 16- 26.0- 6.0/6.5 PUR	16	26.0	6.0	20.0	6.5	1.5
105GWR0180	RASC. GWR 18- 22.5- 3.7/4.0 PUR	18	22.5	3.7	19.7	4.0	1.2
105GWR01801	RASC. GWR 18- 24.0- 4.0/5.0 PUR	18	24.0	4.0	20.5	5.0	1.4
105GWR01802	RASC. GWR 18- 26.0- 5.0/6.0 PUR	18	26.0	5.0	21.0	6.0	1.6
105GWR01803	RASC. GWR 18- 28.0- 6.0/6.5 PUR	18	28.0	6.0	22.0	6.5	1.5
105GWR0200	RASC. GWR 20- 25.0- 4.0/4.6 PUR	20	25.0	4.0	21.9	4.6	1.2
105GWR02001	RASC. GWR 20- 26.0- 4.0/4.8 PUR	20	26.0	4.0	22.5	4.8	1.2
105GWR02002	RASC. GWR 20- 30.0- 7.0/7.5 PUR	20	30.0	7.0	24.0	7.5	1.5
105GWR0220	RASC. GWR 22- 27.0- 4.0/4.6 PUR	22	27.0	4.0	23.9	4.6	1.2
105GWR02201	RASC. GWR 22- 28.0- 4.0/5.0 PUR	22	28.0	4.0	24.5	5.0	1.4
105GWR02002	RASC. GWR 22- 32.0- 7.0/7.5 PUR	22	32.0	7.0	26.0	7.5	1.5
105GWR0250	RASC. GWR 25- 30.0- 4.0/4.6 PUR	25	30.0	4.0	26.9	4.6	1.2
105GWR02501	RASC. GWR 25- 31.0- 4.0/4.8 PUR	25	31.0	4.0	27.5	4.8	1.2