

ISO A Push Pull (BN80200EHP Series)

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Applications / Anwendungen / Applications



Features

Main fluid of passage: hydraulic oil

Connection: pushing the male coupling (automatic), when the sleeve of the female coupling is fixed or panel mounted.

Disconnection: pulling the male coupling (automatic), when the sleeve of the female coupling is fixed or panel mounted.

Connection under pressure: not allowed

Interchangeability: ISO 7241-1 A Series standard

Material: high-grade carbon steel with heat treated wear parts

Surface treatment: zinc plating Cr(III)

Seals: NBR (Nitrile Rubber) and backup ring in PTFE

Working temperature: -25°C (-13°F) to 100°C (212°F)
Others seals and threads on request

Eigenschaften

Hauptdurchflussflüssigkeit: hydrauliköl

Verbindung: männlichen steckanschluss (automatisch) eindrücken, wenn das weibliche teil mit der festen hülse auf einer platte versehen ist

Trennung: männlichen steckanschluss (automatisch) herausziehen, wenn das weibliche teil mit der festen hülse auf einer platte versehen ist

Verbindung unter druck: nicht erlaubt

Interkompatibilität: ISO 7241-1 Serie A Standard

Material: hochwertiger kohlenstoffstahl mit wärme-behandelten verschleißteilen

Oberflächenbehandlung I: dreiwertige zinkbeschi-
chtung Cr(III)

Dichtung: NBR (nitrilkautschuk) und PTFE-antiextru-
sionsring

Arbeitstemperatur: -25°C (-13°F) bis 100°C (212°F)
Weitere dichtungen und gewinde auf anfrage

Propriétés

Fluide principal de passage: huile hydraulique

Connexion: enfoncer le raccord mâle (automatique) lorsque la partie femelle est munie d'une douille fixée sur une plaque

Déconnexion: tirer sur le raccord mâle (automatique) lorsque la partie femelle est munie d'une douille fixée sur une plaque

Connexion sous pression: non autorisée

Interchangeabilité: norme ISO 7241-1 Série A

Matériau: acier au carbone de haute qualité avec pièces d'usure traitées thermiquement

Traitement de surface: galvanisation trivalente au Cr(III)

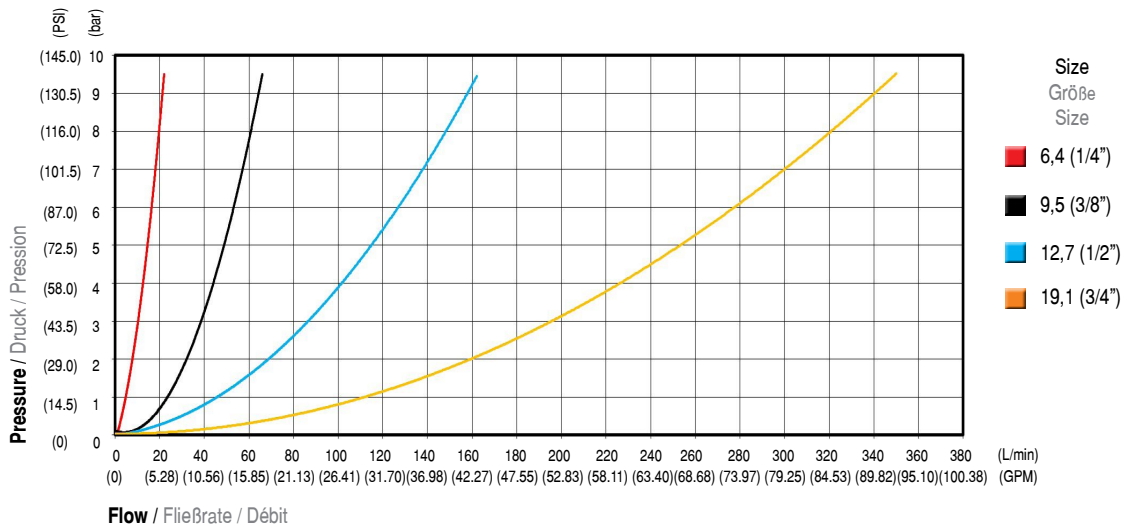
Joint: NBR (caoutchouc nitrile) et bague anti-extrusion en PTFE

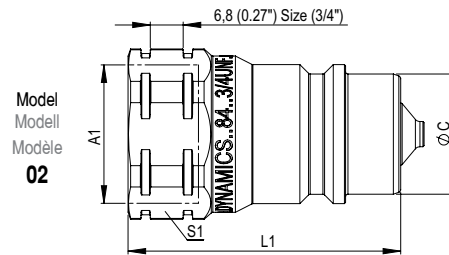
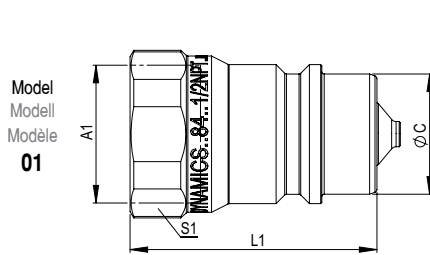
Température de travail: -25°C (-13°F) à 100°C (212°F)
Autres joints et filetages sur demande

Technical Information / Technische Information / Informations

Size Größe Taille mm (in)	Rated Flow with 2 bar (29 PSI) of pressure drop Nenndurchfluss mit Verlust von 2 bar Druck (29 PSI) Débit nominal avec perte de Pression de 2 bars (29 PSI) L/min (GPM)	Maximum Working Pressure Maximaler Arbeitsdruck Pression de Service Maximale bar (PSI)	Burst Pressure Berstdruck Pression D'éclatement			Fluid loss during discon- nection (14 PSI) Överlust beim trennen (1 bar) Perte d'huile lors de la déconnexion (1 bar) ml (cc)
			Female Weiblich bar (PSI)	Male Männlich bar (PSI)	Connected Verbunden Connecté bar (PSI)	
6,4 (1/4")	8 (2.11)	300 (4,351)	1.600 (23,206)	1.460 (21,175)	1.400 (20,305)	0,80 (0.027)
9,5 (3/8")	32 (8.45)	300 (4,351)	1.200 (17,404)	1.140 (16,534)	1.100 (15,954)	1,20 (0.041)
12,7 (1/2")	70 (18.49)	270 (3,916)	1.300 (18,855)	1.000 (14,504)	1.110 (16,099)	1,80 (0.061)
19,1 (3/4")	160 (42.27)	250 (3,626)	1.000 (14,503)	900 (13,053)	960 (13,924)	5,00 (0.169)

Pressure Drop / Ladungsverlust / Perte de Cargaion





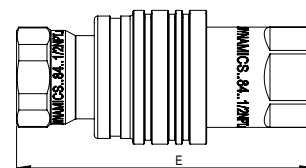
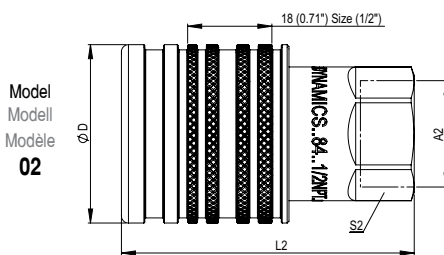
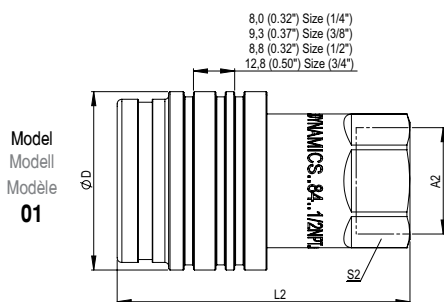
Male / Männlich / Homme

Size Größe Taille mm (in)	Part Number Code Code	A1 Thread Schraube Filetage	Thread Standard Gewindestandard Norme de Filetage	Torque Drehmoment Couple Nm	L1 mm (in)	S1 mm (in)	C Ø mm (in)	Weight Gewicht Poids g	Model Modell Modèle	Stock Lagerbestand Stock
6,4 (1/4")	115.071245.B	9/16" UNF ORB (int.)	SAE J1926	26 - 34	32,1 (1.26")	19,1 (3/4")	11,8 (0.46")	28 (0.06)	01	✓
	115.071247.B	1/4" NPT (int.)	ANSI B1.20.1	18 - 26	30,1 (1.19")	19,1 (3/4")	11,8 (0.46")	29 (0.06)	01	✓
	115.071248.B	1/4" BSP (int.)	DIN 3852-2	24 - 32	32,7 (1.29")	19,1 (3/4")	11,8 (0.46")	33 (0.07)	01	🔍
9,5 (3/8")	115.081249.B	3/8" NPT (int.)	ANSI B1.20.1	30 - 40	36,0 (1.42")	22,2 (7/8")	17,3 (0.68")	50 (0.11)	01	✓
	115.081250.B	3/8" BSP (int.)	DIN 3852-2	40 - 56	36,0 (1.42")	22,2 (7/8")	17,3 (0.68")	49 (0.11)	01	🔍
	115.081253.N	9/16" UNF ORB (int.)	SAE J1926	26 - 34	34,1 (1.34")	19,1 (3/4")	17,3 (0.68")	40 (0.09)	01	🔍
12,7 (1/2")	115.081262.BC	11/16" UN ORFS (ext.)	SAE J1453	32 - 38	53,8 (2.12")	22,2 (7/8")	17,3 (0.68")	89 (0.20)	01	🔍
	115.084250.B	M22x1,50 ORB (int.)	ISO 6149	74 - 96	45,0 (1.77")	27,0 (1.1/16")	20,5 (0.81")	93 (0.21)	01	🔍
	115.084251.B	1/2" NPT (int.)	ANSI B1.20.1	52 - 66	42,1 (1.66")	27,0 (1.1/16")	20,5 (0.81")	98 (0.22)	01	✓
	115.084252.B	1/2" BSP (int.)	DIN 3852-2	72 - 88	43,1 (1.70")	27,0 (1.1/16")	20,5 (0.81")	98 (0.22)	01	✓
	115.084253.B	3/4" UNF ORB (int.)	SAE J1926	48 - 62	42,1 (1.66")	27,0 (1.1/16")	20,5 (0.81")	99 (0.22)	01	✓
	115.084254.B	7/8" UNF ORB (int.)	SAE J1926	58 - 74	45,0 (1.77")	27,0 (1.1/16")	20,5 (0.81")	93 (0.21)	01	✓
	115.084224.BD	1" UNS ORFS (int.)	SAE J1453	58 - 70	61,1 (2.41")	30,0 (1.3/16")	20,5 (0.81")	152 (0.34)	01	🔍
	115.084235.BD	M14x1,50 DKO L12 (ext.)	ISO 8434-1-L	20 - 28	59,1 (2.33")	22,2 (7/8")	20,5 (0.81")	139 (0.31)	01	🔍
	115.084237.BD	M18x1,50 DKO L12 (ext.)	ISO 8434-1-L	46 - 60	60,6 (2.39")	22,2 (7/8")	20,5 (0.81")	129 (0.28)	01	✓
	115.084239.BD	M26x1,50 DKO L18 (ext.)	ISO 8434-1-L	100 - 125	62,1 (2.44")	27,0 (1.1/16")	20,5 (0.81")	145 (0.32)	01	🔍
19,1 (3/4")	115.084254.BD	1.3/16" UN ORFS (ext.) BHS	SAE J1453	106 - 134	84,3 (3.32")	31,8 (1.1/4")	20,5 (0.81")	297 (0.65)	01	🔍
	115.084276.BD	M22x1,50 ORB (ext.)	ISO 6149	74 - 96	67,2 (2.65")	27,0 (1.1/16")	20,5 (0.81")	163 (0.36)	01	🔍
	115.085253.B	3/4" NPT (int.)	ANSI B1.20.1	68 - 88	52,9 (2.08")	33,4 (1.5/16")	29,1 (1.14")	167 (0.37)	01	✓
	115.085254.B	3/4" BSP (int.)	DIN 3852-2	120 - 150	52,9 (2.08")	33,4 (1.5/16")	29,1 (1.14")	160 (0.35)	01	🔍
	115.085267.B*	1.1/16" UN ORB (int.)	SAE J1926	90 - 116	55,5 (2.19")	33,4 (1.5/16")	29,1 (1.14")	160 (0.35)	02	✓

(int.)	Internal Thread / Innengewinde / Filetage Intérieur
(ext.)	External Thread / Außengewinde / Filetage Extérieur
BHS	Bulkhead Thread / Durchführungsgewinde / Filetage Traversant Le Mur

	* Retaining Ring / O-Ring / Joint Torique = 451.501036.0 (Ø36 mm) Sold separately / Separat erhältlich / Vendu séparément
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✓	Available / Liniennorm / Norme de Ligne
🔍	On request / Auf Anfrage / Sur demande



Female / Weiblich / Femelle

Size Größe Taille mm (in)	Part Number Code Code	A2 Thread Schraube Filetage	Thread Standard Gewindestandard Norme de Filetage	Torque Drehmoment Couple Nm	L2 mm (in)	S2 mm (in)	D Ø mm (in)	E mm (in)	Weight Gewicht Poids g	Model Modell Modèle	Stock Lagerbestand Stock
6,4 (1/4")	117.071223.P*	1/4" NPT (int.)	ANSI B1.20.1	18 - 26	44,8 (1.76")	15,0 (19/32")	21,0 (0.83")	L1+L2-13 (0.51")	57 (0.13)	01	🔍
9,5 (3/8")	117.083225.P**	3/8" NPT (int.)	ANSI B1.20.1	30 - 40	52,5 (2.07")	19,9 (25/32")	27,0 (1.06")	L1+L2-16 (0.63")	109 (0.24)	01	🔍
	117.083226.P**	3/8" BSP (int.)	DIN 3852-2	40 - 56	52,5 (2.07")	19,9 (25/32")	27,0 (1.06")	L1+L2-16 (0.63")	108 (0.24)	01	🔍
	117.083229.P**	9/16" UNF ORB (int.)	SAE J1926	26 - 34	50,6 (1.99")	19,9 (25/32")	27,0 (1.06")	L1+L2-16 (0.63")	112 (0.25)	01	🔍
	117.084226.P***	M22x1,50 ORB (int.)	ISO 6149	74 - 96	64,8 (2.55")	28,6 (1.1/8")	38,1 (1.50")	L1+L2-20 (0.79")	246 (0.54)	01	🔍
	117.084227.P***	1/2" NPT (int.)	ANSI B1.20.1	52 - 66	62,5 (2.46")	25,4 (1")	38,1 (1.50")	L1+L2-20 (0.79")	237 (0.52)	01	✓
	117.084228.P***	1/2" BSP (int.)	DIN 3852-2	72 - 88	62,5 (2.46")	25,4 (1")	38,1 (1.50")	L1+L2-20 (0.79")	234 (0.52)	01	🔍
	117.084229.P***	3/4" UNF ORB (int.)	SAE J1926	48 - 62	62,5 (2.46")	25,4 (1")	38,1 (1.50")	L1+L2-20 (0.79")	238 (0.52)	01	🔍
	117.084231.P***	7/8" UNF ORB (int.)	SAE J1926	58 - 74	65,1 (2.56")	28,6 (1.1/8")	38,1 (1.50")	L1+L2-20 (0.79")	247 (0.54)	01	🔍
12,7 (1/2")	117.084242.E***	11/16" UN ORFS (ext.)	SAE J1453	32 - 38	61,9 (2.44")	22,2 (7/8")	38,1 (1.50")	L1+L2-20 (0.79")	194 (0.43)	01	🔍
	117.084243.E***	13/16" UN ORFS (ext.)	SAE J1453	42 - 52	59,7 (2.35")	22,2 (7/8")	38,1 (1.50")	L1+L2-20 (0.79")	193 (0.43)	01	✓
	117.084245.E***	9/16" UNF JIC (int.)	SAE J514	26 - 34	65,3 (2.57")	22,2 (7/8")	38,1 (1.50")	L1+L2-20 (0.79")	190 (0.42)	01	🔍
	117.084246.E***	3/4" UNF JIC (int.)	SAE J514	48 - 62	67,2 (2.65")	22,2 (7/8")	38,1 (1.50")	L1+L2-20 (0.79")	198 (0.44)	01	🔍
	117.084247.E***	M20x1,50 S12 (ext.)	ISO 8434-1-S	68 - 86	61,5 (2.42")	20,7 (13/16")	38,1 (1.50")	L1+L2-20 (0.79")	186 (0.41)	01	✓
	117.084227.H***	1/2" NPT (int.)	ANSI B1.20.1	52 - 66	62,5 (2.46")	25,4 (1")	38,1 (1.50")	L1+L2-20 (0.79")	258 (0.57)	02	✓
	117.084228.H***	1/2" BSP (int.)	DIN 3852-2	72 - 88	62,5 (2.46")	25,4 (1")	38,1 (1.50")	L1+L2-20 (0.79")	255 (0.56)	02	🔍
	117.084229.H***	3/4" UNF ORB (int.)	SAE J1926	48 - 62	62,5 (2.46")	25,4 (1")	38,1 (1.50")	L1+L2-20 (0.79")	259 (0.57)	02	✓
19,1 (3/4")	117.084231.H***	7/8" UNF ORB (int.)	SAE J1926	58 - 74	65,1 (2.56")	28,6 (1.1/8")	38,1 (1.50")	L1+L2-20 (0.79")	268 (0.59)	02	🔍
	117.085229.P****	3/4" NPT (int.)	ANSI B1.20.1	68 - 88	79,1 (3.11")	33,4 (1.5/16")	44,0 (1.73")	L1+L2-26 (1.02")	433 (0.95)	01	🔍
	117.085231.P****	3/4" BSP (int.)	DIN 3852-2	120 - 150	79,1 (3.11")	33,4 (1.5/16")	44,0 (1.73")	L1+L2-26 (1.02")	431 (0.95)	01	🔍
	117.085235.P****	1.1/16" UN ORB (int.)	SAE J1926	90 - 116	80,6 (3.17")	32,0 (1.9/32")	44,0 (1.73")	L1+L2-26 (1.02")	431 (0.95)	01	🔍

(int.) Internal Thread / Innengewinde / Filetage Intérieur
(ext.) External Thread / Außengewinde / Filetage Extérieur

	* Retaining Ring / O-Ring / Joint Torique = 451.501021.0 (Ø21mm) ** Retaining Ring / O-Ring / Joint Torique = 451.501027.0 (Ø27mm) *** Retaining Ring / O-Ring / Joint Torique = 451.501038.0 (Ø38mm) **** Retaining Ring / O-Ring / Joint Torique = 451.501042.0 (Ø42mm) Sold separately / Separat erhältlich / Vendu séparément
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✓ Available / Liniennorm / Norme de Ligne
🔍 On request / Auf Anfrage / Sur demande