ISO A (BN80200AKM Series)

ISO A (Serie BN80200AKM)

ISO A (Série BN80200AKM)

Applications / Anwendung / Applications

Features

Main fluid of passage: hydraulic oil
Connection: pulling back the female sleeve
Disconnection: pulling back the female sleeve
Connection under pressure: not allowed
Interchangeability: ISO 7241-1 A Series standard
Material: high-grade carbon steel with heat treated wear parts (sleeve and nipple)
Surface treatment: zinc plating Cr(III)
Seals: NBR (Nitrile Rubber) and backup ring in PTFE
Working temperature: -25ºC (-13ºF) to 100ºC (212ºF)
Others seals and threads on request

Eigenschaften

Hauptdurchflussflüssigkeit: hydrauliköl
Verbindung: zurückziehen der hülse des weiblichen anschlusses
Trennung: zurückziehen der hülse des weiblichen anschlusses
Verbindung unter druck: nicht erlaubt
Interkompatibilität: ISO 7241-1 Serie A Standard
Material: hochwertiger kohlenstoffstahl mit wärmebehandelten verschleißteilen (hülse und stift)
Oberflächenbehandlung: dreiwertige zinkbeschichtung Cr(III)
Dichtung: NBR (nitrilkautschuk) und PTFE-antiextrusionsring
Arbeitstemperatur: -25ºC (-13ºF) bis 100ºC (212ºF)
Weitere dichtungen und gewinde auf anfrage

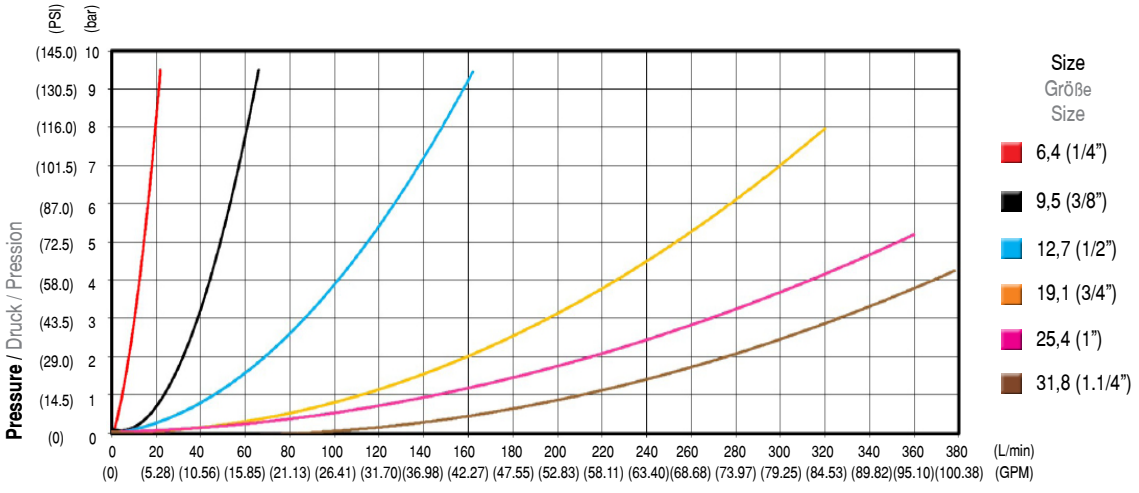
Propriétés

Fluide principal de passage: huile hydraulique
Connexion: retrait de la douille de l'accouplement femelle
Déconnexion: retrait de la douille de l'accouplement femelle
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 (douille et goupille)
Traitement de surface: galvanisation trivalente au Cr(III)
Joint: NBR (caoutchouc nitrile) et bague anti-extrusion en PTFE
Température de travail: -25ºC (-13ºF) à 100ºC (212ºF)
Autres joints et filetages sur demande

Technical Information / Technische Information / Informations Techniques

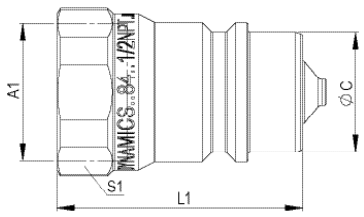
Size Größe Taille mm (in)	Rated Flow with 2 bar (29 PSI) of pressure drop Nenndurchfluss mit Verlust von 2 bar Druck (29 PSI) Débit nominal avec perte de Pression de 2 bars (29 PSI) L/min (GPM)	Maximum Working Pressure Maximaler Arbeitsdruck Pression de Service Maximale bar (PSI)	Burst Pressure Berstdruck Pression D'éclatement			Fluid loss during disconnection (14 PSI) Ölverlust beim trennen (1 bar) Perte d'huile lors de la déconnexion (1 bar) ml (cc)
			Female Weiblich Femme bar (PSI)	Male Männlich Mâle bar (PSI)	Connected Verbunden Connecté bar (PSI)	
6,4 (1/4")	8 (2.11)	350 (5,076)	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)	1.140 (16,534)	900 (13,053	960 (13,924)	5,00 (0.169)
25,4, (1")	220 (58.12)	250 (3,626)	1.200 (17,404)	900 (13,053)	915 (13,271)	9,50 (0.321)
38,1, (1.1/4")	280 (73.96)	200 (3,900)	800 (11,603)	800 (11,603)	800 (11,603)	27,0 (0.91)

Pressure Drop / Ladungsverlust / Perte de Cargaison

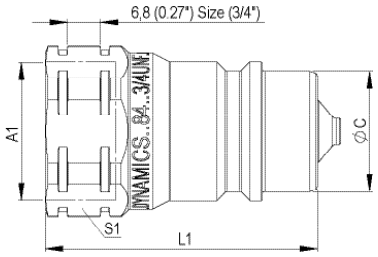


Threads / Threads / Fils

Model
Modell
Modèle
01



Model
Modell
Modèle
02



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)	**Wight** 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 - 55	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	🔍
	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	🔍
12,7 (1/2")	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	60 - 80	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	✓
	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	🔍
19,1 (3/4")	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	100 - 130	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	🔍
25,4 (1")	115.086253.B	3/4" NPT (int.)	ANSI B1.20.1	68 - 88	55,3 (2.18")	38,1 (1.1/2")	34,3 (1.35")	280 (0.62)	01	✓
	115.086255.B	1" NPT (int.)	ANSI B1.20.1	82 - 108	58,4 (2.30")	39,7 (1.9/16")	34,3 (1.35")	279 (0.62)	01	✓
	115.086256.B	1" BSP (int.)	DIN 3852-2	130 - 180	57,4 (2.26")	39,7 (1.9/16")	34,3 (1.35")	263 (0.58)	01	✓
	115.086259.B	1.5/16" UN ORB (int.)	SAE J1926	128 - 160	58,6 (2.31")	39,7 (1.9/16")	34,3 (1.35")	273 (0.60)	01	✓
31,8 (1.1/4")	115.087257.B	1.1/4" NPT (int.)	ANSI B1.20.1	94 - 126	70,3 (2.77")	49,2 (1.15/16")	45,0 (1.77")	559 (1.23)	01	🔍
	115.087258.B	1.1/4" BSP (int.)	DIN 3852-2	180 - 240	70,3 (2.77")	49,2 (1.15/16")	45,0 (1.77")	542 (1.19)	01	🔍

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

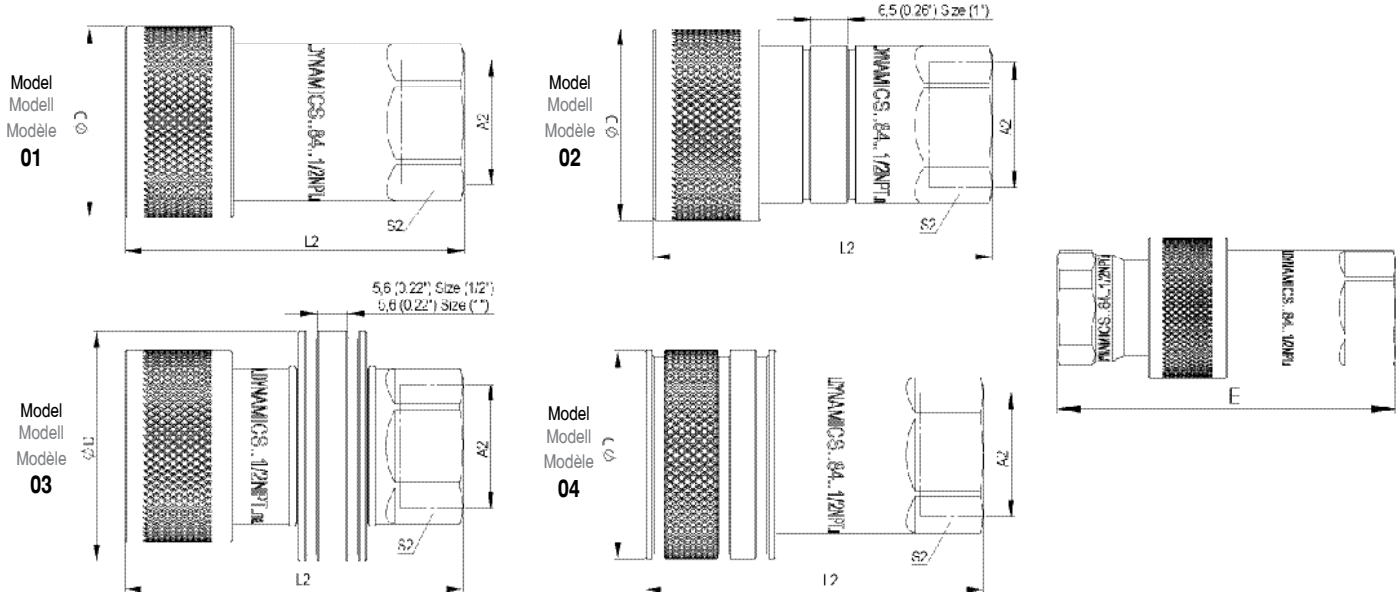
DIN 471

* Retaining Ring / O-Ring / Joint Torique = 451.501036.0 (Ø36 mm)
Sold separetely / Separat erhältlich / Vendu séparément

✓	Available / Liniennorm / Norme de Ligne
🔍	On request / Auf Anfrage / Sur demande

Dynamics

Threads / Threads / Fils



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)	**Wight** Gewicht Poids g	**Model** Modell Modèle	**Stock** Lagerbestand Stock
	117.071230.A	9/16"UNF ORB (int.)	SAE J1926	26 - 34	46,2 (1.82")	18,0 (23/32")	22,3 (0.88")	L1+L2-13 (0.51")	67 (0.15)	01	✓
6,4 (1/4")	117.071233.A	1/4" NPT (int.)	ANSI B1.20.1	18 - 26	44,8 (1.76")	17,5 (11/16")	22,3 (0.88")	L1+L2-13 (0.51")	68 (0.15)	01	✓
	117.071234.A	1/4" BSP (int.)	DIN 3852-2	24 - 32	46,2 (1.82")	17,5 (11/16")	22,3 (0.88")	L1+L2-13 (0.51")	70 (0.15)	01	🔍
	117.081235.A	3/8" NPT (int.)	ANSI B1.20.1	30 - 40	52,5 (2.07")	19,9 (25/32")	28,6 (1.13")	L1+L2-16 (0.63")	104 (0.23)	01	✓
9,5 (3/8")	117.081236.A	3/8" BSP (int.)	DIN 3852-2	40 - 55	52,5 (2.07")	19,9 (25/32")	28,6 (1.13")	L1+L2-16 (0.63")	103 (0.23)	01	🔍
	117.081239.M	9/16"UNF ORB (int.)	SAE J1926	26 - 34	50,6 (1.99")	19,9 (25/32")	28,6 (1.13")	L1+L2-16 (0.63")	105 (0.23)	01	🔍
	117.084236.A	M22x1,50 ORB (int.)	ISO 6149	74 - 96	64,0 (2.52")	28,6 (1.1/8")	35,0 (1.38")	L1+L2-19 (0.75")	236 (0.52)	01	🔍
	117.084237.A	1/2" NPT (int.)	ANSI B1.20.1	52 - 66	61,5 (2.42")	25,4 (1")	35,0 (1.38")	L1+L2-19 (0.75")	202 (0.45)	01	✓
	117.084238.A	1/2" BSP (int.)	DIN 3852-2	60 - 80	62,3 (2.45")	25,4 (1")	35,0 (1.38")	L1+L2-19 (0.75")	201 (0.44)	01	🔍
	117.084239.A	3/4"UNF ORB (int.)	SAE J1926	48 - 62	61,5 (2.42")	25,4 (1")	35,0 (1.38")	L1+L2-19 (0.75")	203 (0.45)	01	✓
12,7 (1/2")	117.084241.A	7/8"UNF ORB (int.)	SAE J1926	58 - 74	64,1 (2.52")	28,6 (1.1/8")	35,0 (1.38")	L1+L2-19 (0.75")	237 (0.52)	01	🔍
	117.084257.K**	1/2" NPT (int.)	ANSI B1.20.1	52 - 66	61,5 (2.42")	25,4 (1")	42,0 (1.65")	L1+L2-19 (0.75")	269 (0.59)	03	✓
	117.084236.F*	M22x1,50 ORB (int.)	ISO 6149	74 - 96	64,0 (2.52")	28,6 (1.1/8")	38,1 (1.50")	L1+L2-19 (0.75")	269 (0.59)	04	🔍
	117.084237.F*	1/2" NPT (int.)	ANSI B1.20.1	52 - 66	61,5 (2.42")	25,4 (1")	38,1 (1.50")	L1+L2-19 (0.75")	235 (0.52)	04	✓
	117.085239.A	3/4" NPT (int.)	ANSI B1.20.1	68 - 88	80,1 (3.15")	33,4 (1.5/16")	44,0 (1.73")	L1+L2-27 (1.06")	389 (0.86)	01	✓
19,1 (3/4")	117.085241.A	3/4" BSP (int.)	DIN 3852-2	100 - 130	80,1 (3.15")	33,4 (1.5/16")	44,0 (1.73")	L1+L2-27 (1.06")	388 (0.86)	01	🔍
	117.085244.A	1.1/16" UN ORB (int.)	SAE J1926	90 - 116	81,6 (3.21")	32,0 (1.9/32")	44,0 (1.73")	L1+L2-27 (1.06")	380 (0.84)	01	✓
	117.086243.A	1" BSP (int.)	DIN 3852-2	130 - 180	89,8 (3.54")	39,7 (1.9/16")	50,8 (2")	L1+L2-32 (1.26")	590 (1.30)	01	✓
	117.086247.A	1.5/16" UN ORB (int.)	SAE J1926	128 - 160	90,3 (3.56")	39,7 (1.9/16")	50,8 (2")	L1+L2-32 (1.26")	582 (1.28)	01	✓
25,4 (1")	117.086239.A**	3/4" NPT (int.)	ANSI B1.20.1	68 - 88	87,7 (3.45")	38,1 (1.1/2")	50,8 (2")	L1+L2-32 (1.26")	603 (1.33)	02	✓
	117.086242.A**	1" NPT (int.)	ANSI B1.20.1	82 - 108	90,8 (3.57")	39,7 (1.9/16")	50,8 (2")	L1+L2-32 (1.26")	604 (1.33)	02	✓
	117.086242.K***	1" NPT (int.)	ANSI B1.20.1	82 - 108	90,8 (3.57")	39,7 (1.9/16")	50,8 (2")	L1+L2-32 (1.26")	664 (1.46)	03	🔍
31,8 (1.1/4")	117.087244.A	1.1/4" NPT (int.)	ANSI B1.20.1	94 - 126	108,9 (4.29")	50,8 (2")	63,5 (2.50")	L1+L2-38 (1.50")	1.146 (2.53)	01	🔍
	117.087245.A	1.1/4" BSP (int.)	DIN 3852-2	180 - 240	108,9 (4.29")	50,8 (2")	63,5 (2.50")	L1+L2-38 (1.50")	1.129 (2.49)	01	🔍

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

DIN 471

* Retaining Ring / O-Ring / Joint Torique = 451.501038.0 (Ø38mm)
** Retaining Ring / O-Ring / Joint Torique = 451.501042.0 (Ø42 mm)
*** Retaining Ring / O-Ring / Joint Torique = 451.501052.0 (Ø52mm)
Sold separetely / Separat erhältlich / Vendu séparément

✓	Available / Liniennorm / Norme de Ligne
🔍	On request / Auf Anfrage / Sur demande