Flat Face Connect Under Pressure (BM180000CR Series)

Flachdichtend Druckverbindung (Serie BM180000CR)

Face Plate Connexion sous pression (Série BM180000CR)

Applications / Anwendung / Applications

Features

Main fluid of passage: hydraulic oil
Connection: pushing the male coupling
Disconnection: align the groove of the sleeve with the locking balls, then retract the sleeve
Connection under pressure: allowed
Interchangeability: SO 16028 standard
Material: high-grade carbon steel with heat treated wear parts (sleeve and nipple)
Surface treatment: zinc nickel plating
Seals: NBR (Nitrile Rubber), Polyurethane and backup ring in PTFE
Working temperature: -25ºC (-13ºF) to 100ºC (212ºF)
Others seals, springs and threads on request

Eigenschaften

Hauptdurchflussmedium: hydraulikŏl
Verbindung: einrasten des steckers
Trennung: ausrichten der nut am ärmel mit den blockierkugeln und zurückziehen des ärmels
Verbindung unter Druck: erlaubt
Austauschbarkeit: ISO 16028 standard
Material: hochwertiger Kohlenstoffstahl mit wärmebehandelten Verschleißteilen (Hülse und Stift)
Oberflächenbehandlung: Zink-Nickel-Beschichtung
Dichtung: NBR (Nitrilkautschuk), Polyurethan und Anti-Extrusionsring aus PTFE
Arbeitstemperatur: -25ºC (-13ºF) bis 100ºC (212ºF)
Andere dichtungen, federn und gewinde auf anfrage

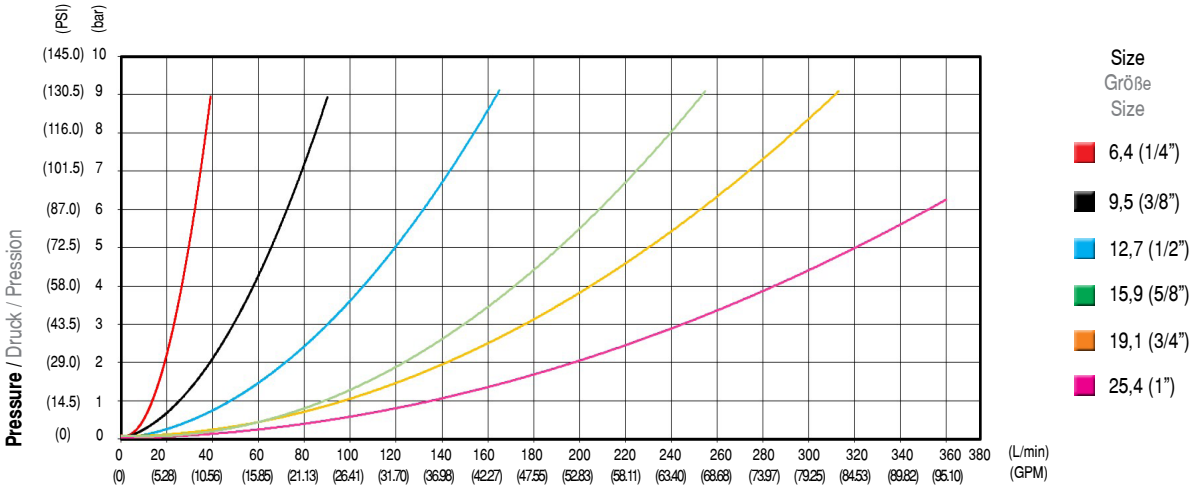
Propriétés

Fluide principal de passage: huile hydraulique
Connexion: enfoncer le raccord mâle
Déconnexion: aligner la rainure du manchon avec les billes de blocage et rétracter le manchon
Connexion sous pression: autorisée
Interchangeabilité: norme ISO 16028
Matériau: acier au carbone de haute qualité avec pièces d'usure traitées thermiquement (manchon et broche)
Traitement de surface: revêtement de zinc-nickel
Joint: NBR (caoutchouc nitrile), polyuréthane et bague anti-extrusion en PTFE
Température de travail: -25ºC (-13ºF) à 100ºC (212ºF)
Autres joints, ressorts et filetages sur demande

Technical Information / Technische Information / Informations Techniques

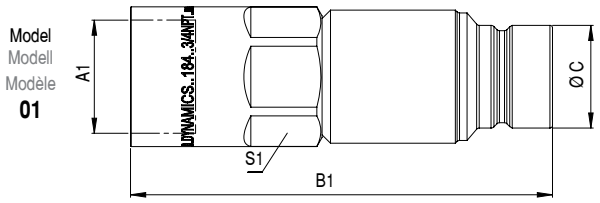
Size Größe Taille mm (in)	Rated Flow with 2 bar (29 PSI) of pressure drop Nenndurchfluss mit Verlust von 2 bar Druck (29 PSI) Débit nominal avec perte de Pression de 2 bars (29 PSI) L/min (GPM)	Maximum Working Pressure Maximaler Arbeitsdruck Pression de Service Maximale bar (PSI)	Burst Pressure Berstdruck 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")	18 (4.75)	350 (5,076)	1.350 (19,580)	1.090 (15,809)	1.120 (16,244)	0,008 (0.0003)
9,5 (3/8")	38 (10.04)	350 (5,076)	1.040 (15,083)	1.070 (15,519)	1.070 (15,519)	0,008 (0.0003)
12,7 (1/2")	72 (19.02)	350 (5,076)	1.150 (16,679)	1.240 (17,985)	1.020 (14,794)	0,010 (0.0003)
15,9 (5/8")	125 (33.02)	350 (5,076)	------	1.330 (19,290)	1.110 (16,099)	0,014 (0.0005)
19,1 (3/4")	140 (36.98)	350 (5,076)	------	1.330 (19,290)	1.160 (16,825)	0,020 (0.0007)
25,4, (1")	200 (52.83)	350 (5,076)	------	1.000 (14,504)	1.020 (14,794)	0,030 (0.0010)

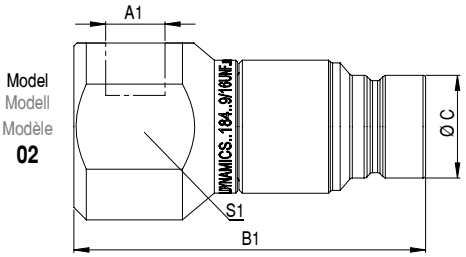
Pressure Drop / Ladungsverlust / Perte de Cargaison



Flow / Fließrate / Débit

Threads / Gewinde / Filet





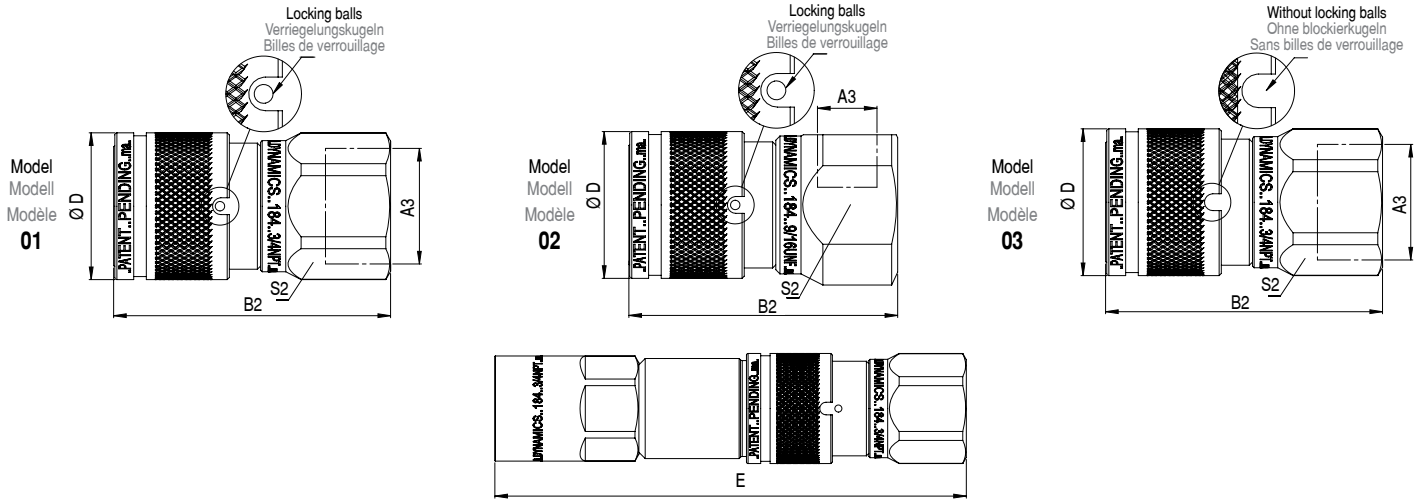
Male / Männlich / Homme

Size Größe Taille mm (in)	Part Number Code Code	A1 Thread Schraube Filetage	Thread Standard Gewindestandard Norme de Filetage	Torque Drehmoment Couple Nm	B1 mm (in)	S1 mm (in)	C Ø mm (in)	Weight Gewicht Poids g(lb)	Model Modell Modèle	Stock Lagerbestand Stock
6,4 (1/4")	115.182762.M	9/16" UNF ORB (int.)	SAE J1926	26 - 34	84,7 (3.33")	15,9 (5/8")	16,0 (0.63")	111 (0.24)	01	🔍
9,5 (3/8")	115.183758.M	3/8" NPTF (int.)	ANSI B1.20.3	30 - 40	92,6 (3.65")	19,1 (3/4")	19,7 (0.78")	159 (0.35)	01	🔍
	115.183759.M	1/2" NPTF (int.)	ANSI B1.20.3	52 - 66	94,7 (3.73")	25,4 (1")	19,7 (0.78")	216 (0.48)	01	🔍
	115.183761.M	3/8" BSP (int.)	DIN 3852-2	40 - 55	93,3 (3.67")	19,1 (3/4")	19,7 (0.78")	158 (0.35)	01	🔍
	115.183762.M	1/2" BSP (int.)	DIN 3852-2	60 - 80	94,9 (3.74")	25,4 (1")	19,7 (0.78")	213 (0.47)	01	🔍
	115.183763.M	3/4" UNF ORB (int.)	SAE J1926	48 - 62	94,9 (3.74")	23,8 (15/16")	19,7 (0.78")	196 (0.43)	01	🔍
12,7 (1/2")	115.184778.M	1/2" NPTF (int.)	ANSI B1.20.3	52 - 66	96,7 (3.81")	22,2 (7/8")	24,5 (0.96")	274 (0.60)	01	🔍
	115.184779.M	3/4" NPTF (int.)	ANSI B1.20.3	68 - 88	100,7 (3.96")	28,6 (1.1/8")	24,5 (0.96")	377 (0.83)	01	🔍
	115.184781.M	1/2" BSP (int.)	DIN 3852-2	60 - 80	97,6 (3.84")	22,2 (7/8")	24,5 (0.96")	272 (0.60)	01	🔍
	115.184782.M	3/4" BSP (int.)	DIN 3852-2	100 - 130	100,7 (3.96")	28,6 (1.1/8")	24,5 (0.96")	371 (0.82)	01	🔍
	115.184783.M	3/4" UNF ORB (int.)	SAE J1926	48 - 62	97,1 (3.82")	22,2 (7/8")	24,5 (0.96")	276 (0.61)	01	🔍
	115.184784.M	7/8" UNF ORB (int.)	SAE J1926	58 - 74	99,2 (3.90")	25,4 (1")	24,5 (0.96")	287 (0.63)	01	🔍
	115.184785.M	1.1/16" UN ORB (int.)	SAE J1926	90 - 116	102,7 (4.04")	28,6 (1.1/8")	24,5 (0.96")	370 (0.82)	01	🔍
	115.184757.B	1" UNS ORFS (ext.) BHS	SAE J1453	58 - 70	93,9 (3.70")	30,0 (1.3/16")	24,5 (0.96")	296 (0.65)	01	🔍
	115.184758.B	1.3/16" UN ORFS (ext.) BHS	SAE J1453	106 - 134	97,4 (3.83")	33,4 (1.5/16")	24,5 (0.96")	376 (0.83)	01	🔍
	115.184760.B	9/16" UNF ORB (int.) 90°	SAE J1926	26 - 34	83,9 (3.30")	39,7 (1.9/16")	24,5 (0.96")	468 (1.03)	02	🔍
	115.184761.B	3/4" UNF ORB (int.) 90°	SAE J1926	48 - 62	84,9 (3.34")	44,5 (1.3/4")	24,5 (0.96")	554 (1.22)	02	🔍
15,9 (5/8")	115.185758.M	3/4" NPT (int.)	ANSI B1.20.1	68 - 88	124,6 (4.91")	30,0 (1.3/16")	27,0 (1.06")	434 (0.96)	01	🔍
	115.185761.M	3/4" BSP (int.)	DIN 3852-2	100 - 130	124,6 (4.91")	30,0 (1.3/16")	27,0 (1.06")	435 (0.96)	01	🔍
	115.185764.M	1.1/16" UN ORB (int.)	SAE J1926	90 - 116	126,8 (4.99")	31,8 (1.1/2")	27,0 (1.06")	480 (1.06)	01	🔍
19,1 (3/4")	115.186758.M	3/4" NPT (int.)	ANSI B1.20.3	68 - 88	128,5 (5.06")	30,0 (1.3/16")	29,9 (1.18")	583 (1.29)	01	🔍
	115.186759.M	1" NPTF (int.)	ANSI B1.20.1	82 - 108	130,7 (5.14")	36,5 (1.7/16")	29,9 (1.18")	729 (1.61)	01	🔍
	115.186761.M	3/4" BSP (int.)	DIN 3852-2	100 - 130	128,5 (5.06")	30,0 (1.3/16")	29,9 (1.18")	585 (1.29)	01	🔍
	115.186762.M	1" BSP (int.)	DIN 3852-2	130 - 180	131,0 (5.16")	36,5 (1.7/16")	29,9 (1.18")	716 (1.58)	01	🔍
	115.186764.M	1.1/16" UN ORB (int.)	SAE J1926	90 - 116	130,7 (5.14")	31,8 (1.1/2")	29,9 (1.18")	634 (1.40)	01	🔍
	115.186765.M	1.5/16" UN ORB (int.)	SAE J1926	128 - 160	132,6 (5.22")	38,1 (1.1/2")	29,9 (1.18")	754 (1.66)	01	🔍
25,40 (1")	115.187764.M	1" NPTF (int.)	ANSI B1.20.1	82 - 108	152,4 (6.00")	36,5 (1.7/16")	36,0 (1.42")	1.050 (2.31)	01	🔍
	115.187765.M	1" BSP (int.)	DIN 3852-2	130 - 180	152,8 (6.02")	36,5 (1.7/16")	36,0 (1.42")	1.040 (2.29)	01	🔍
	115.187766.M	1.1/4" NPTF (int.)	ANSI B1.20.1	94 -126	154,1 (6.07")	46,1 (1.13/16")	36,0 (1.42")	1.282 (2.83)	01	🔍
	115.187767.M	1.1/4" BSP (int.)	DIN 3852-2	180 - 240	154,1 (6.07")	46,1 (1.13/16")	36,0 (1.42")	1.267 (2.79)	01	🔍
	115.187768.M	1.5/16" UN ORB (int.)	SAE J1926	128 - 160	153,8 (6.06")	36,5 (1.7/16")	36,0 (1.42")	1.034 (2.28)	01	🔍
	115.187769.M	1.5/8" UN ORB (int.)	SAE J1926	180 - 210	151,6 (5.97")	46,1 (1.13/16")	36,0 (1.42")	1.245 (2.74)	01	🔍

(int.)	Internal Thread / Innengewinde / Filetage Intérieur
(ext.)	External Thread / Außengewinde / Filetage Extérieur
BHS	Bulkhead without nut / Gewinde für Blech ohne Mutter/ Filetage pour tôle sans écrou

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

Threads / Gewinde / Filet



Fêmea / Hembra / Female

Size Größe Taille mm (in)	Part Number Code Code	A3 Thread Schraube Filetage	Thread Standard Gewindestandard Norme de Filetage	Torque Drehmoment Couple Nm	B2 mm (in)	S2 mm (in)	D Ø mm (in)	E mm (in)	Weight Gewicht Poids g(lb)	Model Modell Modèle	Stock Lagerbestand Stock
	117.182418.C	1/4" NPT (int.)	ANSI B1.20.1	18 - 26	50,1 (1.97")	19,1 (3/4")	25,4 (1.00")	L1 + L2 -11 (0.45")	102 (0.22)	01	✓
6,4 (1/4")	117.182419.C	1/4" BSP (int.)	DIN 3852-2	24 - 32	50,6 (1.99")	19,1 (3/4")	25,4 (1.00")	L1 + L2 -11 (0.45")	102 (0.22)	01	🔍
	117.182421.C	9/16"UNF ORB (int.)	SAE J1926	26 - 34	50,6 (1.99")	19,1 (3/4")	25,4 (1.00")	L1 + L2 -11 (0.45")	99 (0.22)	01	🔍
	117.183421.C	3/8" NPT (int.)	ANSI B1.20.1	30 - 40	57,1 (2.25")	23,8 (1.18")	30,0 (1.18")	L1 + L2 -15 (0.60")	168 (0.37)	01	✓
	117.183422.C	3/8" BSP (int.)	DIN 3852-2	40 - 55	56,2 (2.20")	23,8 (1.18")	30,0 (1.18")	L1 + L2 -15 (0.60")	164 (0.36)	01	🔍
	117.183426.C	1/2" NPT (int.)	ANSI B1.20.1	52 - 66	58,8 (2.31")	25,4 (1")	30,0 (1.18")	L1 + L2 -15 (0.60")	170 (0.37)	01	✓
	117.183434.C	1/2" BSP (int.)	DIN 3852-2	60 - 80	57,8 (2.28")	25,4 (1")	30,0 (1.18")	L1 + L2 -15 (0.60")	165 (0.36)	01	🔍
9,5 (3/8")	117.183435.C	3/4" UNF ORB (int.)	SAE J1926	48 - 62	58,1 (2.29")	23,8 (1.18")	30,0 (1.18")	L1 + L2 -15 (0.60")	158 (0.35)	01	🔍
	117.183462.CC	11/16" UN ORFS (ext.)	SAE J1453	32 - 38	74,0 (2.91")	23,8 (1.18")	30,0 (1.18")	L1 + L2 -15 (0.60")	207 (0.46)	01	🔍
	117.183463.CC	13/16" UN ORFS (ext.)	SAE J1453	42 - 52	76,0 (2.99")	23,8 (1.18")	30,0 (1.18")	L1 + L2 -15 (0.60")	219 (0.48)	01	🔍
	117.183467.CC	13/16" UN ORFS (ext.) BHS	SAE J1453	42 - 52	92,0 (3.62)	23,8 (1.18")	30,0 (1.18")	L1 + L2 -15 (0.60")	250 (0.55)	01	🔍
	117.184421.C	1/2" NPT (int.)	ANSI B1.20.1	52 - 66	64,0 (2.52")	28,6 (1.1/8")	35,0 (1.38")	L1 + L2 -17 (0.66")	248 (0.55)	01	✓
	117.184422.C	1/2" BSP (int.)	DIN 3852-2	60 - 80	64,0 (2.52")	28,6 (1.1/8")	35,0 (1.38")	L1 + L2 -17 (0.66")	245 (0.54)	01	🔍
	117.184423.C	3/4" NPT (int.)	ANSI B1.20.1	68 - 88	65,9 (2.59")	31,8 (1.1/2")	35,0 (1.38")	L1 + L2 -17 (0.66")	260 (0.57)	01	✓
	117.184426.C	3/4" BSP (int.)	DIN 3852-2	100 - 130	64,7 (2.55")	33,4 (1.5/16")	35,0 (1.38")	L1 + L2 -17 (0.66")	276 (0.61)	01	🔍
	117.184434.C	3/4" UNF ORB (int.)	SAE J1926	48 - 62	64,2 (2.53")	28,6 (1.1/8")	35,0 (1.38")	L1 + L2 -17 (0.66")	250 (0.55)	01	🔍
	117.184436.C	7/8" UNF ORB (int.)	SAE J1926	58 - 74	64,5 (2.54")	28,6 (1.1/8")	35,0 (1.38")	L1 + L2 -17 (0.66")	237 (0.52)	01	🔍
12,7 (1/2")	117.184437.C	1.1/16" UN ORB (int.)	SAE J1926	90 - 116	66,5 (2.62")	33,4 (1.5/16")	35,0 (1.38")	L1 + L2 -17 (0.66")	274 (0.60)	01	✓
	117.184452.CN	13/16"UN ORFS (ext.) BHS	SAE J1453	42 - 52	100,7 (3.96")	23,8 (1.18")	35,0 (1.38")	L1 + L2 -17 (0.66")	346 (0.76)	01	🔍
	117.184453.CN	1" UNS ORFS (ext.) BHS	SAE J1453	58 - 70	105,2 (4.14")	28,6 (1.1/8")	35,0 (1.38")	L1 + L2 -17 (0.66")	393 (0.87)	01	🔍
	117.184457.CN	7/8" UNF JIC (int.)	SAE J514	58 - 74	90,8 (3.57")	22,2 (7/8")	35,0 (1.38")	L1 + L2 -17 (0.66")	318 (0.70)	01	🔍
	117.184419.C	9/16" UNF ORB (int.) 90°	SAE J1926	26 - 34	64,0 (2.52")	33,4 (1.5/16")	35,0 (1.38")	L1 + L2 -17 (0.66")	329 (0.73)	02	🔍
	117.184420.C	3/4" UNF ORB (int.) 90°	SAE J1926	48 - 62	68,7 (2.70")	38,1 (1.1/2")	35,0 (1.38")	L1 + L2 -17 (0.66")	420 (0.93)	02	🔍
	117.184437.R	1.1/16" UN ORB (int.) WLB	SAE J1926	90 - 116	66,5 (2.62")	33,4 (1.5/16")	35,0 (1.38")	L1 + L2 -17 (0.66")	274 (0.60)	03	🔍

(int.)	Internal Thread / Innengewinde / Filetage Intérieur
(ext.)	External Trhead / Außengewinde / Filetage Extérieur
BHS	Bulkhead without nut / Gewinde für blech ohne mutter / Filetage pour tôle sans écrou
WLB	Without locking balls / Ohne Blockierkugeln / Sans billes de verrouillage

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