

## Face Plana Conecta sob Pressão (Série BM180000CR)

Cara Plana Conectar bajo presión (Serie BM180000CR)

Flat Face Connect Under Pressure (BM180000CR Series)

### Aplicações / Aplicaciones / Applications



### Propriedades

**Principal fluido de passagem:** óleo hidráulico  
**Conexão:** empurrando o engate macho  
**Desconexão:** alinhar a ranhura da luva com as esferas de bloqueio e retraia a luva  
**Conexão sob pressão:** permitida  
**Intercambiabilidade:** norma ISO 16028  
**Material:** aço carbono de alta qualidade com peças de desgaste tratadas termicamente (luva e pino)  
**Tratamento superficial:** banho de zinco níquel  
**Vedação:** NBR (Borracha Nitrílica), Poliuretano e anel anti-extrusão em PTFE  
**Temperatura de trabalho:** -25°C (-13°F) até 100°C (212°F)  
 Outras vedações, molas e roscas sob consulta

### Propiedades

**Principal fluido de pasaje:** aceite hidráulico  
**Conexión:** empujando el acople macho  
**Desconexión:** alinee la ranura del casco con las bolas de bloqueo, luego retraiga el casco  
**Conexión bajo presión:** permitido  
**Intercambiabilidad:** estándar ISO 16028  
**Material:** acero al carbono de alta calidad con piezas de desgaste tratadas térmicamente (casco y manguito)  
**Tratamiento superficial:** baño de zinc níquel  
**Sello:** NBR (Goma de Nitrilo), Poliuretano y anillo anti-extrusión de PTFE  
**Temperatura de trabajo:** -25°C (-13°F) hasta 100°C (212°F)  
 Otros sellos, resortes y roscas bajo consulta

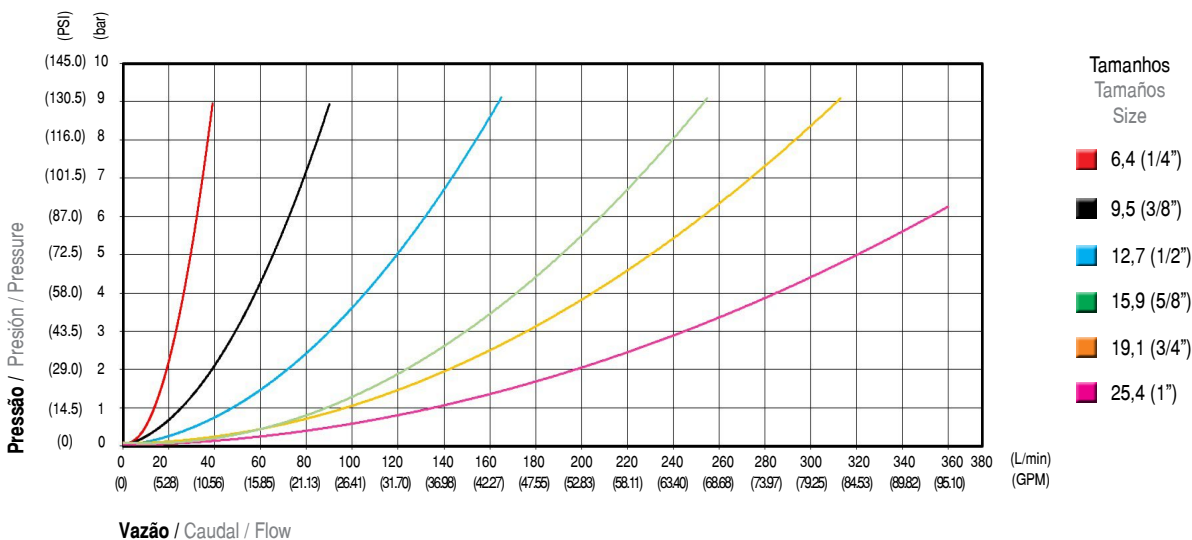
### Features

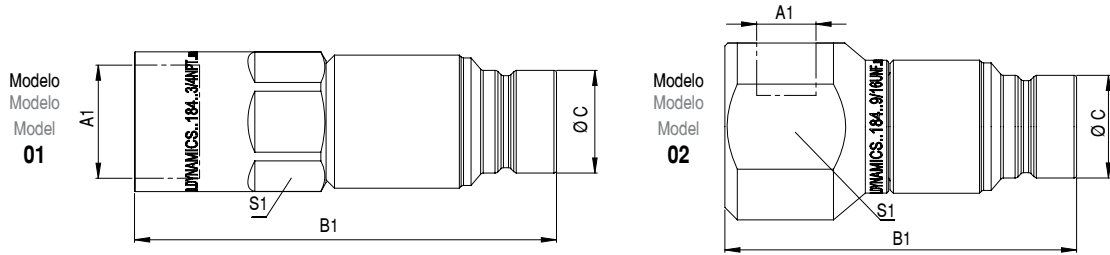
**Main fluid of passage:** hydraulic oil  
**Connection:** pushing the male coupling  
**Disconnection:** align the groove of the sleeve with the locking balls, then retract the sleeve  
**Connection under pressure:** allowed  
**Interchangeability:** SO 16028 standard  
**Material:** high-grade carbon 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:** -25°C (-13°F) to 100°C (212°F)  
 Others seals, springs and threads on request

### Informações Técnicas / Informaciones Técnicas / Technical Information

Tamanho Tamaño Size mm (in)	Vazão Nominal com perda de pressão de 2 bar (29 PSI) Caudal Nominal con pérdida de presión de 2 bar (29 PSI) Rated Flow with 2 bar (29 PSI) of pressure drop L/min (GPM)	Pressão Máxima de Trabalho Presión Máx. de Trabajo Maximum Working Pressure bar (PSI)	Pressão de Ruptura Presión de Rotura Burst Pressure			Perda de óleo ao desconectar (1 bar) Pérdida de aceite al desconectar (1 bar) Fluid loss during disconnection (14 PSI) ml (cc)
			Fêmea Hembra Female bar (PSI)	Macho Macho Male bar (PSI)	Conectado Conectado Connected 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)

### Perda de Carga / Pérdida de Presión / Pressure Drop



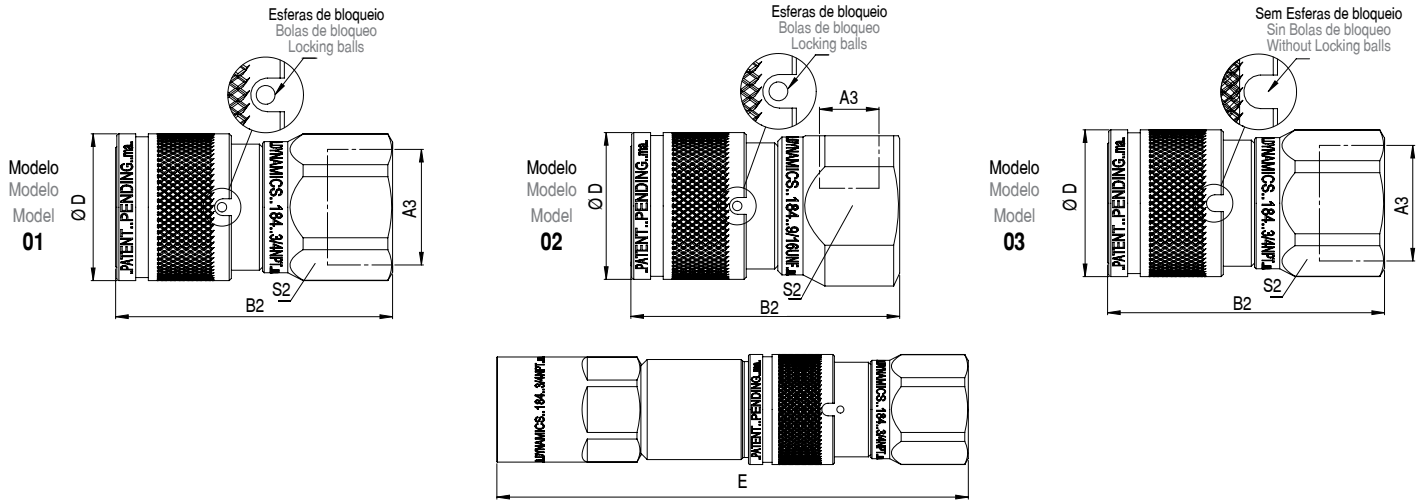


Macho / Macho / Male

Tamanho Tamaño Size mm (in)	Código Código Part Number	A1 Rosca Rosca Thread	Norma da Rosca Norma de la Rosca Thread Standard	Torque Torque Torque Nm	B1 mm (in)	S1 mm (in)	C Ø mm (in)	Peso Peso Wight g(lb)	Modelo Modelo Model	Estoque Stock 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 - 56	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	72 - 88	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	✓
	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")	30,0 (1.3/16")	24,5 (0.96")	377 (0.83)	01	🔍
	115.184781.M	1/2" BSP (int.)	DIN 3852-2	72 - 88	97,6 (3.84")	22,2 (7/8")	24,5 (0.96")	272 (0.60)	01	✓
12,7 (1/2")	115.184782.M	3/4" BSP (int.)	DIN 3852-2	120 - 150	100,7 (3.96")	30,0 (1.3/16")	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")	30,0 (1.3/16")	24,5 (0.96")	370 (0.82)	01	✓
	115.184757.B	1" UNS ORFS (ext.) <b>BHS</b>	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.) <b>BHS</b>	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.) <b>90°</b>	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.) <b>90°</b>	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	120 - 150	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	🔍
	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	🔍
19,1 (3/4")	115.186761.M	3/4" BSP (int.)	DIN 3852-2	120 - 150	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	200 - 240	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	🔍
25,4 (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	200 - 240	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	320 - 380	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.)	Rosca Interna / Rosca Interna / Internal Thread
(ext.)	Rosca Externa / Rosca Externa / External Thread
<b>BHS</b>	Rosca para chapa sem porca / Rosca para chapa sem tuerca / Bulkhead without nut

✓	Normal de Linha / Disponible / Available
🔍	Sob Consulta / Bajo Pedido / On request



Fêmea / Hembra / Female

Tamanho Tamaño Size mm (in)	Código Código Part Number	A3 Rosca Rosca Thread	Norma da Rosca Norma de la Rosca Thread Standard	Torque Torque Torque Nm	B2 mm (in)	S2 mm (in)	D Ø mm (in)	E mm (in)	Peso Peso Wight g(lb)	Modelo Modelo Model	Estoque Stock Stock
6,4 (1/4")	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	✓
	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	🔍
9,5 (3/8")	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 - 56	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	72 - 88	57,8 (2.28")	25,4 (1")	30,0 (1.18")	L1 + L2 -15 (0.60")	165 (0.36)	01	🔍
	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.) <b>BHS</b>	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	🔍
12,7 (1/2")	117.184421.C	1/2" NPT (int.)	ANSI B1.20.1	52 - 66	64,0 (2.52")	28,6 (1.18")	35,0 (1.38")	L1 + L2 -17 (0.66")	248 (0.55)	01	✓
	117.184422.C	1/2" BSP (int.)	DIN 3852-2	72 - 88	64,0 (2.52")	28,6 (1.18")	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 (1.12")	35,0 (1.38")	L1 + L2 -17 (0.66")	260 (0.57)	01	✓
	117.184426.C	3/4" BSP (int.)	DIN 3852-2	120 - 150	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 (1.18")	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 (1.18")	35,0 (1.38")	L1 + L2 -17 (0.66")	237 (0.52)	01	✓
	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.) <b>BHS</b>	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.) <b>BHS</b>	SAE J1453	58 - 70	105,2 (4.14")	28,6 (1.18")	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.) <b>90°</b>	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.) <b>90°</b>	SAE J1926	48 - 62	68,7 (2.70")	38,1 (1.12")	35,0 (1.38")	L1 + L2 -17 (0.66")	420 (0.93)	02	🔍	
117.184437.R	1.1/16" UN ORB (int.) <b>WLB</b>	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.)	Rosca Interna / Rosca Interna / Internal Thread
(ext.)	Rosca Externa / Rosca Externa / External Thread
<b>BHS</b>	Rosca para chapa sem porca / Rosca para chapa sem tuerca / Bulkhead without nut
<b>WLB</b>	Sem esferas de bloqueio / Sin bolas de bloqueio / Without locking balls

✓	Normal de Linha / Disponible / Available
🔍	Sob Consulta / Bajo Pedido / On request